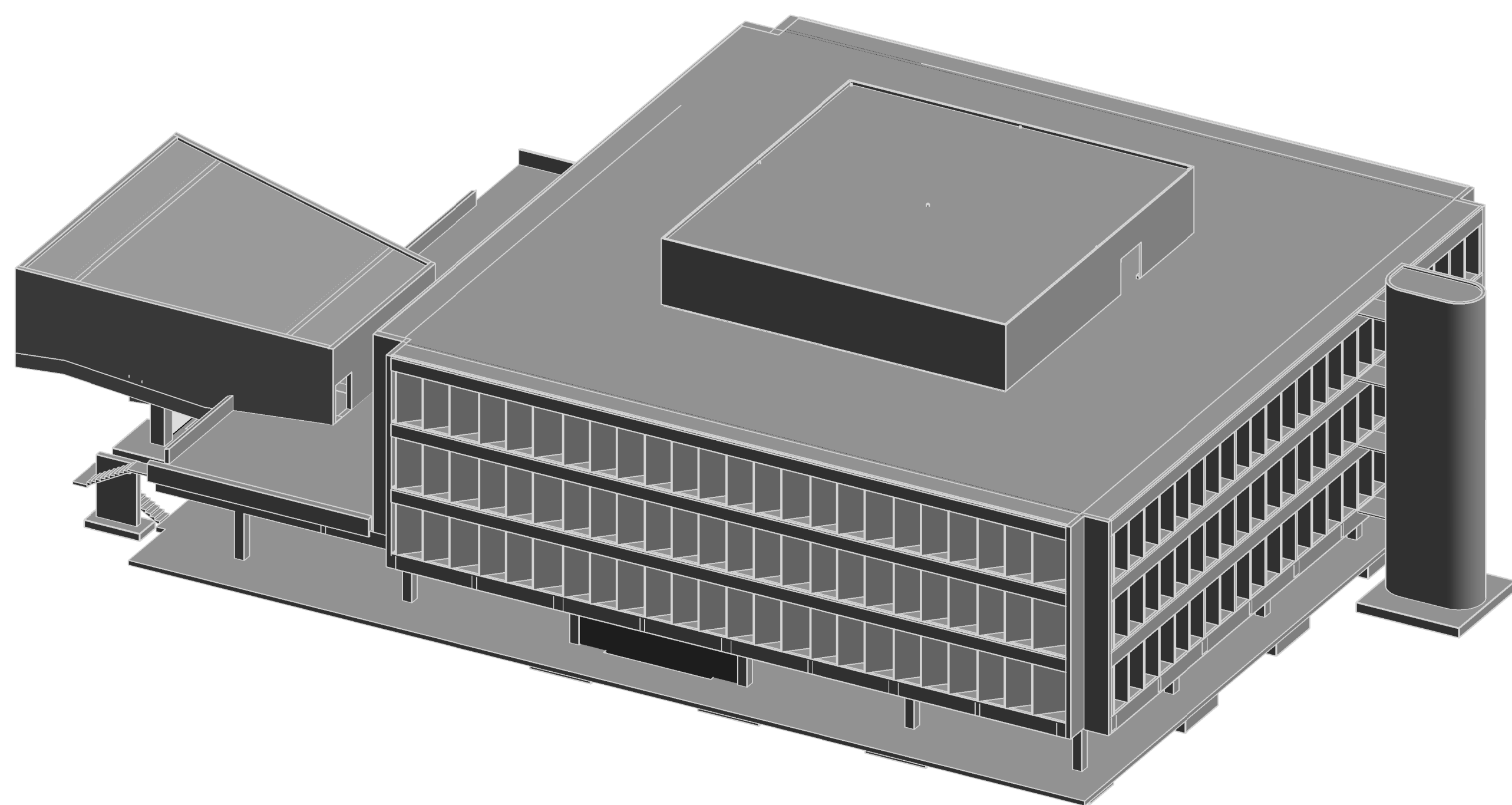


CITY OF INGLEWOOD CIVIC CENTER - LIBRARY

VOLUNTARY SEISMIC IMPROVEMENTS



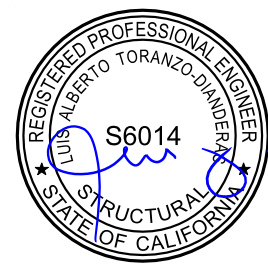
DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By *Edo Pannaghalagha*
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



COVERSHEET
AND SHEET
INDEX

CAUTION: THESE PLANS AND DETAILS ARE REVIEWED FOR CODE COMPLIANCE. THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *Edo Pannaghalagha*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:
S0.00-L

	SECTION REFERENCE BUBBLE
	DETAIL REFERENCE BUBBLE WITH ARROW
	DETAIL REFERENCE BUBBLE
	FULL HEIGHT SECTION INDICATOR
	BUILDING SECTION INDICATOR
	ELEVATION OF WALL OR FRAME
	NORTH ARROW
	SLOPE
	EARTH LAYER
	STEPPED SURFACE; FLOOR DEPRESSION
	SLOPED SURFACE
	INDICATES SAND OR GROUT
	INDICATES GRAVEL
	WELDED WIRE FABRIC (WWF LAYER)
	STEEL TUBE COLUMN
	STEEL PIPE COLUMN
	WIDE FLANGE STEEL COLUMN
	MEMBER SPLICE
	STEEL IN CROSS SECTION
	DIRECTION OF SPAN

LB(S) OR #	LABORATORY POUND(S)	AB	ANCHOR BOLT
LF	LINEAL FOOT	ACI	AMERICAN CONCRETE INSTITUTE
LIN	LINEAL; LINEAR	ADDL	ADDITIONAL
LLBB	LONG LEGS BACK-TO-BACK	ADJ	ADJACENT
LLH	LONG LEG HORIZONTAL	AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
LLV	LONG LEG VERTICAL	AGGR	AGGREGATE
LP	LOW POINT	AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
LSL	LONG SLOTTED HOLES	ALT	ALTERNATE
LT WT	LIGHTWEIGHT	ALUM	ALUMINUM
LEVEL		ANCH	ANCHOR
MAS	MASONRY	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
MATL	MATERIAL	APA	AMERICAN PLYWOOD ASSOCIATION
MAX	MAXIMUM	APVD	APPROVED
MB	MACHINE BOLT	APPROX	APPROXIMATE
MC	MISCELLANEOUS CHANNEL SHAPE	ARCH	ARCHITECTURAL; ARCHITECT
MECH	MECHANICAL	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
MFR	MANUFACTURER	AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION
MIN	MINIMUM; MINUTE	AWS	AMERICAN WELDING SOCIETY
MISC	MISCELLANEOUS	ATC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
(N)	NEW	ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
N	NORTH	&	AND
NF	NEAR FACE	@	AT
NIC	NOT IN CONTRACT	BLDG	BUILDING
NORM	NORMAL	BLK	BLOCK
NO or #	NUMBER	BLKG	BLOCKING
NS	NEAR SIDE	BM	BEAM
NTS	NOT TO SCALE	BN	BOUNDARY NAIL
OC	ON CENTER	BNDRY	BOUNDARY
OD	OUTSIDE DIAMETER	BOT OR B	BOTTOM
OF	OUTSIDE FACE	BRC	BRACE
OH	OPPOSITE HAND	BRG	BEARING
OPNG	OPENING	BT	BENT
OPP	OPPOSITE	BTWN	BETWEEN
ORIG	ORIGINAL	CANT	CANTILEVER
OSB	ORIENTED STRAND BOARD	CAM OR C	CAMBER
PARA OR //	PARALLEL	CC	CENTER TO CENTER
PC	PRECAST; PIECE	CG	CENTER OF GRAVITY
PERP	PERPENDICULAR	CIP	CAST-IN-PLACE
PI	PLYWOOD INDEX	CJ	CONSTRUCTION JOINT; CONTROL JOINT
PL	PLATE	CL	CENTER LINE
P	PROPERTY LINE	CLR	CLEARANCE; CLEAR
PLF	POUNDS PER LINEAL FOOT	CMU	CONCRETE MASONRY UNIT
PLCS	PLACES-	COL	COLUMN
PLY	PLYWOOD	COMP	COMPRESSION
PROP	PROPERTY	CONC	CONCRETE
PT	POST TENSIONED	CONN	CONNECTION; CONNECT
PW	PLATE WASHER	CONSTR	CONSTRUCTION
PJP	PARTIAL JOINT PENETRATION WELD	CONT	CONTINUE; CONTINUOUS
PREFAB	PREFABRICATED	CONTR	CONTRACTOR
PSF	POUNDS PER SQUARE FOOT	CJP	COMPLETE JOINT PENETRATION WELD
PSI	POUNDS PER SQUARE INCH	CTR	CENTER
PVC	POLYVINYL CHLORIDE	CTSK	COUNTERSINK; COUNTERSUNK
PVMT	PAVEMENT	CU FT	CUBIC FOOT
#	POUND; NUMBER	d	PENNY (NAIL OR BAR DIA)
REF	REFERENCE	DBL	DOUBLE
REINF	REINFORCE; REINFORCING	DEPT	DEPARTMENT
REQD	REQUIRED	DET	DETAIL
RF	ROOF	DF	DOUGLAS FIR/LARCH
Ø	DIAMETER	DIA OR ø	DIAMETER
SCHED	SCHEDULE	DIAG	DIAGONAL
SECT	SECTION	DIAPH	DIAPHRAGM
SEP	SEPERATION	DIM	DIMENSION
SHT	SHEET	DN	DOWN
SHTG	SHEATHING	DO	DITTO (REPEAT)
SH	SIMILAR	DWG	DRAWING
SLBB	SHORT LEGS BACK-TO-BACK	DWL	DOWEL
SOG	SLAB ON GRADE	EA	EACH
SPCG	SPACING	EF	EACH FACE
SPECS	SPECIFICATIONS	EJ	EXPANSION JOINT
SPCL	SPECIAL	EL	ELEVATION
SQ	SQUARE	ELEC	ELECTRICAL
SS	SELECT STRUCTURAL	ELEV	ELEVATOR
SSL	SHORT SLOTTED HOLES	EMBED	EMBEDMENT
STAGG	STAGGER	EN	EDGE NAIL
STD	STANDARD	ENGR	ENGINEER
STIFF	STIFFENERS	EQ	EQUAL OR EQUIVALENT
STIRR	STIRRUP	EQUIP	EQUIPMENT
STL	STEEL	ES	EACH SIDE
STRUCT	STRUCTURAL	ETC	ET CETERA
STRUCT I	STRUCTURAL I	EW	EACH WAY
SW	SHEAR WALL	EXIST or (E)	EXISTING
SYM	SYMMETRICAL	EXT	EXTERIOR
TB	TIE BEAM	FDN	FOUNDATION
T & B	TOP AND BOTTOM	FF	FAR FACE
T & G	TONGUE & GROOVE	FF	FINISHED FLOOR
		FIN	FINISH
TOC	TOP OF CURB; TOP OF CONCRETE	FJ	FLOOR JOIST
TOP	TOP OF FOOTING	FL	FLOOR LINE
TEMP	TEMPERATURE; TEMPORARY	FLG	FLANGE
THRU	THROUGH	FLR	FLOOR
THK	THICKNESS/THICK	FN	FIELD NAIL
THR	THREADED	FOC	FACE OF CONCRETE
TOP or T	TOP	FOM	FACE OF MASONRY
TOS	TOP OF STEEL/TOP OF SLAB	FOS	FACE OF STUD
TOW	TOP OF WALL	FOW	FACE OF WALL
TSG	TAPERED STEEL GIRDER	FP	FULL PENETRATION; FIRE PROOFING
TYP	TYPICAL	FRMG	FRAMING
UBC	UNIFORM BUILDING CODE	FS	FULL SIZE; FAR SIDE
UNO	UNLESS NOTED OTHERWISE	FT	FOOT; FEET
UT	ULTRA-SONIC TEST	FTG	FOOTING
VERT	VERTICAL	GA	GAUGE
VSH	VERTICAL SLOTTED HOLES	GALV	GALVANIZED
W/	WITH	GB	GRADE BEAM
W/O	WITHOUT	GLB	GLUED LAMINATED BEAM
WD	WOOD	GR	GRADE
WP	WORK POINT; WATERPROOF	GRND	GROUND
WT	WEIGHT	H or HORIZ	HORIZONTAL
WWF	WELDED WIRE FABRIC	HDR	HEADER
		HGR	HANGER
		HOSP	HOSPITAL
STRUCTURAL STEEL SHAPES		HP	HIGH POINT
		HS	HIGH STRENGTH
Wx	W SHAPE	HSB	HORIZONTALLY SLOTTED HOLES
Cx	AMERICAN STD CHANNEL SHAPE	HT	HEIGHT
MC	MISC CHANNEL SHAPE	HR	HARD ROCK
Lx	ANGLE SHAPE	ID	INSIDE DIAMETER
WT, ST, MT	STRUCT TEE SHAPE	IF	INSIDE FACE
PIPE	STANDARD PIPE SHAPE	I-JST	I-JOIST
PIPE-X	EXTRA STRONG PIPE SHAPE	IN	INCH
PIPE-XX	DBL EXTRA STRONG PIPE SHAPE	INCL	INCLUDE
HSS	STRUCT TUB		

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



SKA HENNESSY
GROUP
Member company of SH Group, Inc.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

ALL NOT BE CONSTRUED TO BE A PERMIT
VIOLATION OF ANY CODE OR ORDINANCE.

[Signature]

2023

ON THE JOB FOR ALL REQUESTED INSPECTIONS

30.01-L

GENERAL

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THESE DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS NOTED BELOW WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR INCONSISTENCIES SHALL BE NOTED ON THE ORIGINAL DRAWINGS. TITLE: CITY OF INGLEWOOD CIVIC CENTER LIBRARY EXECUTIVE ARCHITECTS: BY CHARLES LUCKMAN ASSOCIATES DATE: 1/28/1971.
- ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
2019 CALIFORNIA BUILDING CODE, PART 2, VOLUME 2 OF 2, AND TITLE 24 C.C.R. 2019 EDITION AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED
B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS UNLESS NOTED AND/OR DETAILED ON THE STRUCTURAL DRAWINGS
C. SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGE IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC
D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN
E. FLOOR AND ROOF FINISHES
F. MISCELLANEOUS DRAINAGE AND WATERPROOFING
G. ALL FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL
H. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS

- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FITURES.
D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.

- THE CONTRACT STRUCTURAL DRAWINGS INDICATE THE PORTION OF THE STRUCTURE TO BE DEMOLISHED. THEY DO NOT INDICATE THE METHOD OF DEMOLITION. CONTRACTOR TO EMPLOY NECESSARY METHODS AND SEQUENCING (SUCH AS SHORING, CABLE BRACING, STAGED DEMOLITION, ETC.) TO ENSURE THAT NONE OF REMAINING STRUCTURAL OR ARCHITECTURAL COMPONENTS ARE DAMAGED.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT ETC. THE CONTRACTOR IS RESPONSIBLE FOR PROVISION OF TEMPORARY AND OTHER CONSTRUCTION AIDS, INCLUDING ALL ENGINEERING OF SUCH SYSTEMS, FOR TEMPORARY SUPPORT OF NEW AND/OR EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR ERECTION AND OTHER CONTRACTORS' MEANS AND METHODS OF CONSTRUCTION (UNO). OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. CONTRACTOR SHALL MAKE PROVISIONS IN THE CONSTRUCTION SEQUENCING OF THE BUILDING TO TAKE INTO ACCOUNTS SHRINKAGE, CREEP, SHORTENING, ETC.
- FOR PIPES AND CONDUITS PENETRATING THROUGH OR EMBEDDED IN CONCRETE/CMU OR SLEEVED THROUGH CONCRETE/CMU, REFER TO THE CONCRETE/CMU GENERAL NOTES.
- ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE THE VERSION REFERENCED IN CHAPTER 35 OF THE CODE OR AS REFERENCED IN THE APPLICABLE DESIGN STANDARD.
- CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED 40 POUNDS PER SQUARE FOOT. THE CONTRACTOR TO DESIGN AND PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
- WHERE NOT SHOWN ON THE DRAWINGS, CONTRACTOR TO PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES, BRACING SHORING DESIGN EMPLOYING THE BACK ANCHORS, WHEN USED, SHALL BE SUBMITTED TO SEOR FOR REVIEW.

SEISMIC REHABILITATION CRITERIA

- THE NONLINEAR PARAMETERS OF THE CONCRETE BEAMS ARE BASED ON THE PROVISIONS OF ASCE 41-23. ALL OTHER ASPECTS OF SEISMIC DESIGN ARE BASED ON THE TIER 3 NONLINEAR DYNAMIC PROCEDURE IN ASCE 41-17. SEISMIC EVALUATION AND RETROFIT OF EXISTING BUILDING SHALL BE BASED ON THE FOLLOWING:
LIFE SAFETY (S-3) AT 225-YR RETURN PERIOD EARTHQUAKE (BSE-1E)
COLLAPSE PREVENTION (S-5) AT 975-YR RETURN PERIOD EARTHQUAKE (BSE-2E)
- DUE TO BOTH THE AGE OF THE STRUCTURE AND TYPE OF CONSTRUCTION, THIS PROJECT IS EXEMPT FROM MEETING THE SPECIAL STUDY REQUIREMENTS OF THE ALQUIST-PRIOLO ACT. THIS SEISMIC RETROFIT DOES NOT ATTEMPT TO ADDRESS A POTENTIAL FAULT RUPTURE HAZARD.
- GROUND ACCELERATION TIME HISTORIES PER GEOTECHNICAL REPORT BY GROUP DELTA DATED 12/18/2020.

BSE 1E			BSE 2E		
EARTHQUAKE NAME	STATION NAME	DATE	EARTHQUAKE NAME	STATION NAME	DATE
NORTHDRIDGE-01	LA-SEPULVEDA VA HOSPITAL	1/17/1994	KERN COUNTY	TAFT LINCOLN SCHOOL	7/21/1952
CHI-CHI, TAIWAN	TCU049	9/21/1999	IMPERIAL VALLEY-06	BRAWLEY AIRPORT	10/15/1979
DUZCE, TURKEY	BOLU	11/12/1999	IMPERIAL VALLEY-06	EL CENTRO DIFFERENTIAL ARRAY	10/15/1979
IMPERIAL VALLEY-06	EL CENTRO DIFFERENTIAL ARRAY	10/15/1979	LOMA PRIETA	SARATOGA, - ALOHA AVE	10/17/1989
LANDERS	BAKER FIRE STATION	6/28/1992	LANDERS	AMBOY	6/28/1992
LOMA PRIETA	SARATOGA, - ALOHA AVE	10/17/1989	NORTHDRIDGE-01	LA-SEPULVEDA VA HOSPITAL	01/17/1994
DENALI, ALASKA	CARLO	11/03/2002	CHI-CHI, TAIWAN	TCU049	09/21/1999
NIIGATA, JAPAN	NGH11	10/23/2004	DUZCE, TURKEY	DUZCE	11/12/1999
CHIETSU-SU-OKI, JAPAN	KAWANISHI LZUMOZAKI	07/16/2007	NIIGATA, JAPAN	NGH11	10/23/2004
IWATE, JAPAN	SANGBONGI OSAKI CITY	06/14/2008	CHIETSU-SU-OKI, JAPAN	KAWANISHI LZUMOZAKI	07/16/2007
DARFIELD, NEW ZEALAND	DSLCL	09/04/2013	DARFIELD, NEW ZEALAND	HORC	09/04/2010

- THIS VOLUNTARY SEISMIC IMPROVEMENT PROJECT DOES NOT ADDRESS THE REHABILITATION OF ATTACHMENTS AND/OR SEISMIC BRACING OF EXISTING NONSTRUCTURAL COMPONENTS (ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC).

FOR REFERENCE ONLY, SEE ASCE 41-17 FOR A COMPREHENSIVE LIST OF NONSTRUCTURAL COMPONENTS THAT WOULD NEED TO BE EVALUATED AND REHABILITATED WHERE NECESSARY TO MEET THE LIFE SAFETY BUILDING PERFORMANCE LEVEL (3-C) PER ASCE 41.

AT THE DISCRETION OF THE CITY OF INGLEWOOD, ATTACHMENTS AND/OR SEISMIC BRACING OF THE FOLLOWING SELECT EXISTING NONSTRUCTURAL COMPONENTS ARE RECOMMENDED TO BE REHABILITATED SINCE THEY CAN POSE A MAJOR RISK TO THE LIFE SAFETY OF BUILDING OCCUPANTS:

- SEISMIC BRACING OF (E) LARGE/HEAVY OVERHEAD UTILITIES (MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION) PER DETAIL 2/58.00-L
- SEISMIC BRACING OF (E) LIBRARY SHELVES PER DETAIL 1/58.00-L

SEISMIC CRITERIA FOR DELEGATED DESIGN ITEMS

RISK CATEGORY	II
SEISMIC DESIGN CATEGORY	D
SITE CLASS	C
IMPORTANCE FACTOR	1.0
DESIGN SPECTRAL ACCELERATION, SDS (g)	1.534
DESIGN SPECTRAL ACCELERATION, SD1 (g)	0.629

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH AISC 360-16 AND CHAPTER 22 OF THE CODE.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):
W SHAPES, WT SHAPES A992
ANGLES, CHANNELS A36
PLATES (AS NOTED ON DRAWINGS) A36, A572 GR 50
SIMPLE SHEAR TAB CONNECTION PLATES (AS NOTED ON DRAWINGS) A36
PIPE COLUMNS A53, GR B
HSS SECTIONS A500, GR B
HIGH STRENGTH BOLTS (AS NOTED ON DRAWINGS) A325/ASTM A449
THREADED RODS (FULLY THREADED) ASTM A449
COMMON MACHINE BOLTS A307 GR A
CLEVIS PINS A108, GR 1117 OR A572 GR 50
- THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR REVIEW AND APPROVAL BY THE AOR AND SEOR PRIOR TO FABRICATION.
- BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.
- ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED EXCEPT AS REQUIRED FOR DESIGNATION OF PROTECTED ZONES.
- PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED TO REINFORCED CONCRETE/MASONRY USING POST-INSTALLED ANCHORS, CONTRACTOR SHALL LOCATE ALL REINFORCEMENT AND CONFIRM CONSISTENCY OF ANCHOR LOCATIONS. SHOULD CONFLICTS WITH REINFORCEMENT OCCUR, CONTRACTOR SHALL COORDINATE AND SUBMIT ALTERNATE ANCHOR LOCATIONS AND REVISED STEEL FABRICATIONS TO SEOR FOR REVIEW AND APPROVAL. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION, UNLESS CALLED OUT TO BE PAINTED ON THE CONSTRUCTION DOCUMENTS. PROTECT FIELD WELDS EXPOSED TO THE WEATHER VIA PRIME AND PAINT OR BRUSH / COLD GALVANIZING. REFER TO ARCH DRAWINGS FOR STEEL FINISH.
- ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL CONFORM TO REQUIREMENTS OF AISC 303-16.
- ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1-15) OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS. ALL WELDING FOR ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM SHALL PER AWS D1.8-16.
- THE CONTRACTOR SHALL SUBMIT ALL WELDING PROCEDURE SPECIFICATIONS (WPS) FOR REVIEW BY SEOR. THE SUBMITTED WELDING PROCEDURES SHALL INCLUDE ONLY THOSE PROCEDURES RELEVANT TO THIS PROJECT. ALL WELDING PROCEDURE SPECIFICATIONS INTENDED FOR USE AT DEMAND CRITICAL WELDS OF DESIGNATED LATERAL FORCE-RESISTING SYSTEMS SHALL BE IDENTIFIED ON THE WPS. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT/TRADE NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.
- ALL WELDING OF DESIGNATED LATERAL FORCE RESISTING SYSTEM MEMBERS (INCLUDING DRAG AND CHORD BEAMS) IS TO BE PERFORMED AND INSPECTED IN ACCORDANCE WITH AISC 341-16 AND AWS D1.8-16, IN ADDITION TO ALL OTHER REQUIREMENTS NOTED IN THIS SECTION.
- WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED, WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE. USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-16 SECTION J2.2b.
- THE CONTRACTOR SHALL SUBMIT ALL WELDING PROCEDURE SPECIFICATIONS (WPS) FOR REVIEW BY SEOR. THE SUBMITTED WELDING PROCEDURES SHALL INCLUDE ONLY THOSE PROCEDURES RELEVANT TO THIS PROJECT. ALL WELDING PROCEDURE SPECIFICATIONS INTENDED FOR USE AT DEMAND CRITICAL WELDS OF DESIGNATED LATERAL FORCE-RESISTING SYSTEMS SHALL BE IDENTIFIED ON THE WPS. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT/TRADE NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.

CHARPY V NOTCH (CVN) REQUIREMENTS			
WELD TYPE	MINIMUM ABSORBED ENERGY (FT-LB)	TEMPERATURE (°F)	REFERENCE
ALL WELDS	20	0°	AWS D1.8-16 SECTION 6.3
DEMAND CRITICAL WELDS	40	70°	AISC 341-16 SECTION 4b

- 100 PERCENT ULTRASONIC TESTING IS REQUIRED FOR ALL COMPLETE JOINT PENETRATION GROOVE WELDS.
- IF INTERMIXING OF WELD FILLER MATERIAL IS REQUIRED AT SPECIFIC WELDED JOINTS, AND IF ONE OF THE FILLER METALS IS FCAW-S, SUBMIT A WELDING PROCEDURE SPECIFICATION (WPS) AND QUALIFY BY TESTING.
- BACKUP BARS FOR STRUCTURAL MEMBERS NOT DESIGNATED AS PART OF THE SEISMIC LATERAL FORCE-RESISTING SYSTEM MAY REMAIN IN PLACE UNLESS NOTED IN DRAWINGS, OR WHEN ULTRASONIC TESTING INDICATES A POSSIBLE WELD DEFECT. IF DEFECTS ARE INDICATED, BACKUP BAR IS TO BE REMOVED AND THE ROOT INSPECTED. IF IMPERFECTIONS ARE FOUND, THEY ARE TO BE REMOVED AND REPAIRED PER AWS STANDARDS.
- DISCONTINUITIES IN WELDS CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR ARC GOUTING AND FLAME CUTTING SHALL BE REPAIRED AS DETAILED BY THE SEOR.

FLUID VISCOUS DAMPERS

REFERENCE SPECIFICATION SECTION 13.08.85 FOR FABRICATION, TESTING, AND INSTALLATION OF DAMPERS. VISCOUS DAMPERS SHALL BE SUPPLIED BY A PRE-QUALIFIED MANUFACTURER AND SHALL BE INSTALLED BY QUALIFIED CONTRACTORS PER THE CONTRACT DOCUMENTS. MOUNTING PINS SHALL BE SUPPLIED BY THE VENDOR AND INSTALLED WITHOUT APPLICATION OF HEAT. IN MOUNTING BRACKETS WITH HOLES DRILLED TO +0.00 INCHES, ALIGNMENT BUSHINGS SHALL BE INSTALLED SIMULTANEOUSLY WITH PINS, FLUERS, HAMMERS, CLAMPS SHALL NOT BE ATTACHED TO THE VISCOUS DAMPERS IN ANY MANNER THAT MAY SCREW THE STAINLESS STEEL SHAFT. DAMPERS SHALL BE STORED IN SHIPPING CRATES AND PROTECTED FROM DAMAGE AND WEATHER UNTIL INSTALLATION. ENGINEER SHALL BE NOTIFIED WHEN DAMPERS ARE INSTALLED FOR FINAL INSPECTION PRIOR TO CONCEALMENT.

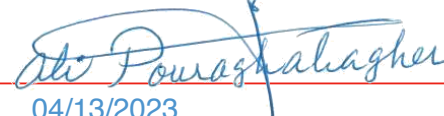
DAMPER ACCESS PANELS

INSTALL ACCESS PANEL AT EACH DAMPER SITE WHERE THE DAMPER WILL NOT BE PERMANENTLY EXPOSED. PANELS TO BE 36" SQUARE (24" MIN), CENTERED ON DAMPER, AND RATED AS REQUIRED TO MATCH WALL CONSTRUCTION. EACH DAMPER REQUIRES ACCESS FROM ATLEAST ONE SIDE.

MEP SEISMIC BRACING & MEP COORDINATION

- THE CONTRACTOR SHALL DEVELOP ENGINEERED AND COORDINATED SHOP DRAWINGS TO PROVIDE SPECIFIC LOCATIONS FOR BRACING SYSTEMS THAT ARE REPRESENTATIVE MEP LAYOUT IN THE COORDINATION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THESE DRAWINGS TO AVOID CONFLICTS WITH NEW AND EXISTING WORK.
- THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A CALIFORNIA REGISTERED STRUCTURAL ENGINEER AND SUBMITTED TO THE DESIGN TEAM FOR REVIEW AS A DEFERRED SUBMITTAL.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By 
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

CONCRETE

- ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19 OF THE CODE AND WITH THE PROVISIONS OF ACI 318-14.
- REINFORCED CONCRETE IS DESIGNED BY THE "ULTIMATE STRENGTH DESIGN METHOD".
- CONCRETE MIXES SHALL BE DESIGNED BY THE APPROVED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER. THE COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE PROPORTIONED BASED ON SECTION 26.4.3.1.

SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES:

LOCATION IN STRUCTURE	STRENGTH (PSI)	DENSITY (PCF)	WATER/CEMENT RATIO	SLUMP (IN)
ALL CONCRETE	4000	150	0.5	4

- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II.
- AGGREGATE FOR HARDBOOK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C-33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
- CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C-94.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 318 SECTION 26.5.2.1 AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.
- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS. SEE THESE DRAWINGS FOR ADDITIONAL RESTRICTIONS ON THE PLACEMENT OF OPENINGS IN SLABS AND WALLS.
- PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY STRUCTURAL ENGINEER. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS. SPACE EMBEDDED PIPES AND SLEEVES AT A MINIMUM OF 3 DIAMETERS. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.

SCHEDULE OF EXISTING STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES PER ORIGINAL DRAWINGS BY CHARLES LUCKMAN ASSOCIATES DATED 1/29/1971:

ELEMENT	STRENGTH (PSI)	DENSITY (PCF)
TYPICAL SLAB/BEAM CONCRETE COMPRESSIVE STRENGTH (PSI)	4000	115
SLAB/BEAM CONCRETE @ LECTURE HALL COMPRESSIVE STRENGTH (PSI)	4000	150
COLUMN CONCRETE COMPRESSIVE STRENGTH (PSI)	4000	150
WALL/FOOTING CONCRETE COMPRESSIVE STRENGTH (PSI)	3000	150

- EXISTING CONCRETE SURFACES WITH GOUGES, EXPOSED REINFORCING STEEL OR SIMILAR TYPES OF DAMAGE SHALL BE REPAIRED USING NON-SHRINK GROUT.

POST-INSTALLED ANCHORS IN CONCRETE

- ADHESIVE ANCHORS FOR CONCRETE SHALL BE HILTI HIT-RE 500 V3 (ICC ESR-3814), OR EQUAL.
- INSTALLATION OF POST INSTALLED ANCHORS SHALL BE IN ACCORDANCE WITH THE APPLICABLE ICC EVALUATION REPORT.
- ANCHOR DIAMETER REFERS TO THE THREAD SIZE OF THE ANCHOR.
- THE SPECIAL INSPECTOR SHALL BE ON THE JOBSITE PERIODICALLY DURING ANCHOR INSTALLATION, UNLESS OTHERWISE NOTED IN ICC-ES ESR, TO VERIFY ANCHOR, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACINGS, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.
- LOCATE REINFORCEMENT IN CONCRETE BY NON-DESTRUCTIVE MEANS (X-RAY, ETC.) PRIOR TO DRILLING ANY HOLE FOR INSTALLATION OF POST-INSTALLED ANCHORS. DAMAGE TO REINFORCEMENT IN CONCRETE SHALL BE AVOIDED.
- WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR.
- IF REBAR IS ENCOUNTERED DURING THE DRILLING, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE DRILLING AND CONTACT THE ENGINEER OF RECORD.
- LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
- IF THE CONCRETE CRACKS DURING THE INSTALLATION OF THE ANCHOR, THE ANCHOR SHALL BE REMOVED OR ABANDONED.
- PROOF LOAD TESTS SHALL BE IN ACCORDANCE WITH MANUFACTURER AND CODE REQUIREMENTS.
- THE CONTRACTOR SHALL COORDINATE HOURS OF OPERATION WITH THE CITY WHEN DRILLING INTO CONCRETE/MASONRY TO MINIMIZE DISRUPTION.

NON-SHRINK GROUT

- MINIMUM COMPRESSIVE STRENGTH OF GROUT SHALL BE 5000 PSI.

MATERIAL TEST PROGRAM

- SCHEDULE OF LABORATORY TEST RESULTS PER REPORT BY ACCU TEST STRUCTURAL LABORATORIES, DATED 06/08/2018.

SUMMARY OF MATERIAL TEST RESULT				
	MEAN	ST. DEV.	COV	# OF SAMPLES
TYPICAL SLAB/BEAM CONCRETE COMPRESSIVE STRENGTH (PSI)	5436	395	0.07	3
SLAB/BEAM CONCRETE @ LECTURE HALL COMPRESSIVE STRENGTH (PSI)	5723	1146	0.2	5
COLUMN CONCRETE COMPRESSIVE STRENGTH (PSI)	5990	1446	0.24	4
WALL/FOOTING CONCRETE COMPRESSIVE STRENGTH (PSI)	6718	1431	0.21	2
REINFORCING BAR YIELD STRENGTH * (KSI)	73	7.7	0.11	4

TESTING CRITERIA FOR POST-INSTALLED ANCHORS IN CONCRETE

- CONDUCT TESTING OF POST-INSTALLED ANCHORS PER SECTION 1901.3.4 OF THE CODE.
- WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC-ES EVALUATION SERVICES REPORT CALL FOR THE APPLICATION OF AN INSTALLATION TORQUE, THE SPECIFIED TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH. THE SPECIFIED INSTALLATION TORQUE SHALL NOT BE EXCEEDED.
- THE SPECIAL INSPECTOR SHALL BE ON THE JOBSITE DURING ANCHOR INSTALLATIONS AS REQUIRED PER CHAPTER 17 OF THE CODE, UNLESS OTHERWISE NOTED IN ICC-ES ESR, TO VERIFY ANCHOR, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND INSTALLATION TORQUE.
- TEST LOAD: REQUIRED TEST LOADS SHALL BE DETERMINED BY ONE OF THE FOLLOWING METHODS:
A. TWICE THE MAXIMUM ALLOWABLE TENSION LOAD OR ONE AND A QUARTER (1 1/4) TIMES THE MAXIMUM DESIGN STRENGTH PROVIDED BY THE ICC REPORT OR DETERMINED PER ACI 318. THE TENSION TEST LOAD NEED NOT TO EXCEED 80 PERCENT OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR (0.8 As Fy). SEE STRUCTURAL DETAILS FOR DESIGN-BASED TENSION TEST LOADS FOR ADHESIVE ANCHORS.
B. THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE AS APPROVED BY THE ICC REPORT.
- TENSION OR TORQUE TESTING OF POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE IOR AND ENFORCEMENT AGENCY.
- THE SPECIAL INSPECTOR SHALL SELECT ANCHORS FOR TESTING AT RANDOM.

- TEST FREQUENCY:
APPLICATION QUANTITY
STRUCTURAL 100% OF BOLTS
NON-STRUCTURAL 50%; ALTERNATE BOLTS IN A GROUP (SUCH AS EQUIPMENT ANCHORAGE)
SHEAR DOWELS 25% OF DOWELS (WHERE THE REQUIREMENTS OF THE 2016 CBC 1901.3.4.3 ARE MET)
- TEST METHODS: TEST LOADS MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR. ACCEPTABLE METHODS INCLUDE:
A. USE OF HYDRAULIC, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE.
B. USE OF CALIBRATED SPRING LOADED DEVICES; OR
C. USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE-CONTROLLED EXPANSION ANCHORS.

TESTING CRITERIA FOR POST-INSTALLED ANCHORS IN CONCRETE (CONT'D)

- TEST ACCEPTANCE CRITERIA: ACCEPTANCE CRITERIA FOR POST-INSTALLED ANCHORS SHALL BE BASED ON THE ICC REPORT OR MANUFACTURER'S WRITTEN INSTRUCTION AS ACCEPTABLE TO OSHPD. FIELD TESTS SHALL SATISFY THE FOLLOWING MINIMUM REQUIREMENTS:
A. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, E.G. AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT. SCREW ANCHORS MAY BE LOOSENEED A MAXIMUM ONE FULL TURN TO FACILITATE THE POSITIONING OF A TENSION TEST COLLAR.
B. TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN HALF (1/2) TURN OF THE NUT.
EXCEPTIONS:
 - WEDGE OR SLEEVE TYPE: ONE-QUARTER (1/4) TURN OF THE NUT FOR A 3/8 INCH ANCHOR ONLY
 - THREADED TYPE: ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.
- IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST FREQUENCY.

REINFORCING STEEL (FOR CONCRETE)

- REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19 OF THE CODE, ASTM A706, GRADE 60 UNO.
- BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. PROVIDE LAPS AS PER ACI 318-14 SECTION 25.5.9, IF MINIMUM. WWP SHALL BE SUPPORTED ON APPROVED CHAIRS.
- MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN CONCRETE SHALL AS PER ACI 318-14 SECTION 25.5.9 LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.
- ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
- WHERE WELDING OF REINFORCING IS APPROVED BY THE STRUCTURAL ENGINEER, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E70XX OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF STRUCTURAL WELDING CODE: REINFORCING STEEL: AWS-D1.1, LATEST REVISION. REINFORCING BARS TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706.
- BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, PRIOR TO PLACING CONCRETE.
- REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
- COMPLETE AND DETAILED REINFORCING PLACEMENT DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ARCHITECT FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE CODES. THESE DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO PLACING OF CONCRETE.
- MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED PRIOR TO PLACEMENT OF CONCRETE.
- CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL, CONDUIT, SLEEVES, AND EMBEDDED ITEMS MAY BE CORRECTED PRIOR TO PLACEMENT OF OVERLYING GRIDS OR REINFORCING STEEL.
- ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.
- CONCRETE PROTECTION FOR REINFORCEMENT
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH MINIMUM COVER 3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER: NO. 8 THROUGH NO. 18 BAR 2"
NO. 5 BAR & SMALLER 1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS: NO. 14 AND NO. 18 BAR 1 1/2"
NO. 11 BAR & SMALLER 3/4"
BEAMS, COLUMNS: PRIMARY REINFORCEMENT TIES, STIRRUPS, SPIRALS 1 1/2"
- EXISTING REINFORCING STEEL IS GRADE 60, CONFORMING TO ASTM A-615. REINFORCING STEEL FOR STIRRUPS, TIES, AND SLABS ON GRADE IS GRADE 40, CONFORMING TO ASTM A-615 PER ORIGINAL DRAWINGS BY CHARLES LUCKMAN ASSOCIATES DATED 1/29/1971.

FIBER REINFORCED POLYMER (FRP) GENERAL NOTES:

THE GENERAL NOTES HEREIN ARE NOT COMPLETE BY ITSELF AND SHALL BE READ IN CONJUNCTION WITH THE FRP COMPOSITE MATERIALS STRENGTHENING SYSTEM SPECIFICATION PROVIDED WITH THE CONTRACT DOCUMENTS. SEE FRP COMPOSITE MATERIALS STRENGTHENING SYSTEM SPECIFICATION FOR SUBMITTAL REQUIREMENTS.

FIBER REINFORCED POLYMER (FRP) COMPOSITE STRENGTHENING IS A DELEGATED DESIGN TO BE PERFORMED BY A SPECIALTY REPAIR/STRENGTHENING ENGINEER WORKING FOR THE CONTRACTOR. ALL FRP STRENGTHENING SOLUTIONS SHALL BE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.

FRP LOAD VARIATIONS TO

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By *John P. Poulos*
Date 04/13/2023
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

SHOTCRETE

- SHOTCRETE SHALL CONFORM TO THE REQUIREMENTS OF CODE SECTION 1910 AND THE PROVISIONS OF ACI 506.
- REFER TO CONCRETE SECTION FOR ADDITIONAL INFORMATION NOT LISTED BELOW.
- SHOTCRETE SHALL NOT BE USED AT WALLS BELOW THE WATER TABLE.
- FORMS SHALL BE ADEQUATELY BRACED TO ENSURE AGAINST EXCESSIVE VIBRATION AND SHALL BE BUILT SO AS TO PERMIT THE ESCAPE OF AIR AND REBOUND AND TO FACILITATE THE PLACING OF THE SHOTCRETE TO FINISH TOLERANCES. USE A FORM-COATING MATERIAL ON REMOVABLE FORMS TO PREVENT THE ABSORPTION OF MOISTURE AND TO PREVENT BONDING WITH THE SHOTCRETE. USE A NON-STAINING MATERIAL FOR SURFACES EXPOSED TO VIEW WHEN CONSTRUCTION IS COMPLETED.
- REINFORCEMENT SHALL BE FASTENED RIGIDLY TO ELIMINATE VIBRATION AND ENSURE PROPER EMBEDMENT IN THE SHOTCRETE. BAR SPACING IN SHOTCRETE WALLS SHALL HAVE A MINIMUM CLEAR DISTANCE BETWEEN BARS OF 2 1/2" FOR #5 AND SMALLER BARS AND 6 BAR DIAMETERS FOR #6 AND LARGER BARS. LAP SPLICES SHALL BE NON-CONTACT WITH A MINIMUM CLEAR DISTANCE OF 2" AND STANDARD SPLICE LENGTH. CONTACT LAPS WILL BE ACCEPTED UPON SUCCESSFUL CONSTRUCTION AND TESTING OF PRECONSTRUCTION TEST PANEL. REINFORCEMENT SHALL BE INSPECTED BY SPECIAL INSPECTOR PRIOR TO PLACEMENT OF SHOTCRETE.
- GROUND WIRES SHALL BE INSTALLED IN SUCH A MANNER THAT THEY ACCURATELY OUTLINE THE FINISHED SURFACE OF THE SHOTCRETE AS INDICATED ON THE STRUCTURAL DRAWINGS. THROUGHOUT, THE WIRE SHALL BE STRETCHED TIGHT AND SHALL NOT BE REMOVED PRIOR TO APPLICATION OF THE FINISH COAT. ALL SURFACES SHALL BE RODDED TO THESE WIRES TO FINISH TOLERANCES.

WET-MIX SHOTCRETE MATERIALS

- SHOTCRETE SHALL HAVE A MINIMUM STRENGTH OF 5000 PSI AT 56 DAYS AND A MAXIMUM WATER/CEMENT RATIO OF 0.5.
- SHOTCRETE SHALL HAVE A MINIMUM SLUMP OF 3" AND A MINIMUM SLUMP OF 1" AT THE DISCHARGE POINT WHERE WATER MAY HAVE BEEN ADDED.
- CEMENT SHALL BE PORTLAND CEMENT, TYPE II, AND SHALL CONFORM TO ASTM C150 WITH TEST AMENDMENTS.
- AGGREGATE SHALL BE COMPRISED OF 20 TO 40 PERCENT ROUND PEA GRAVEL AND 60 TO 80 PERCENT FINE AGGREGATE. THE AGGREGATE SHALL BE THOROUGHLY WASHED, FREE FROM OIL OR OTHER DELETERIOUS SUBSTANCES SUCH AS CLAY LUMPS, SHALE, AND FREE ALKALIES. COATED GRAINS OR SOFT, FLAKY PARTICLES. PEA GRAVEL SHALL CONFORM TO ASTM C33 REQUIREMENTS FOR COARSE AGGREGATES WITH 3/8 INCH DIAMETER MAXIMUM. FINE AGGREGATES SHALL BE EVENLY GRADED FROM FINE TO COARSE IN ACCORDANCE WITH ASTM C33 AND SHALL CONTAIN NO PARTICLES LARGER THAN 3/8 INCH IN DIAMETER. WHEN TESTED IN ACCORDANCE WITH ASTM C33, SAND SHALL NOT SHOW A COLOR SOLUTION DARKER THAN THE STANDARD COLOR SOLUTION NO.2.
- WATER SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIES, SALTS OR ORGANIC MATERIALS.
- WATER-REDUCING ADMIXTURES SHALL BE ASTM C494 TYPE A, POZZOLITH 300-N BY MASTER BUILDERS, WRDA BY I. F. GRADE CO., OR EQUAL. DO NOT USE CALCIUM CHLORIDE IN CONCRETE.
- MATERIALS SHALL BE MIXED IN APPROVED POWER BATCH MIXER EQUIPMENT WITH A DEVICE FOR ACCURATELY MEASURING THE QUANTITY OF FINE AGGREGATE. THE MATERIALS SHALL BE THOROUGHLY MIXED UNTIL FULLY BLENDED AS INDICATED BY VISUAL INSPECTION. THE WET MIXED SHOTCRETE SHALL BE PLACED WITHIN 90 MINUTES AFTER THE CEMENT, ADMIXTURE, AND WATER HAVE BEEN MIXED WITH THE AGGREGATE.

PRECONSTRUCTION TEST PANELS

- PRODUCE TEST PANELS BEFORE SHOTCRETE PLACEMENT ACCORDING TO REQUIREMENTS OF ACI 506.2 AND ASTM C1140 FOR EACH DESIGN MIX, SHOOTING ORIENTATION AND NOZZLE OPERATOR.
- TEST PANELS SHALL BE REPRESENTATIVE OF THE MOST CONGESTED REINFORCING, INCLUDING LAPS, HOOKS, MECHANICAL COUPLERS OR TERMINATORS.
- TEST PANELS SHALL BE 8'-0" WIDE BY 8'-0" TALL MIN AND SHALL BE CONSTRUCTED IN THICKNESSES EQUAL TO THE MINIMUM AND MAXIMUM THICKNESS OF SHOTCRETE BEING PERFORMED, BUT NOT LESS THAN 6 INCHES.
- IF PILASTERS ARE TO BE SHOTCRETED, INCORPORATE PILASTERS INTO THE PRECONSTRUCTION TEST PANEL AND WIDEN TEST PANEL AS NECESSARY TO INCORPORATE PILASTER.
- COUPLING BEAMS SHALL NOT BE SHOTCRETED.
- TEST PANELS SHALL ALLOW FOR SIX 6" DIAMETER REINFORCED CORES TO BE TAKEN THROUGH THE MOST CONGESTED REINFORCING STEEL (THREE AT THE BOTTOM AND THREE AT THE TOP OF THE TEST PANEL) TO BE EVALUATED FOR CONSOLIDATION. THE TEST PANEL WILL ALSO BE SAW CUT HORIZONTALLY NEAR MID-HEIGHT ADJACENT TO HORIZONTAL REINFORCING.
 - VISUALLY INSPECT EACH SET OF REINFORCED SHOTCRETE CORES TAKEN FROM TEST PANELS AND DETERMINE MEAN CORE GRADES ACCORDING TO ACI 506.2.
 - VISUALLY INSPECT HORIZONTAL SAW CUT THROUGH TEST PANEL AND RELATE TO CORE GRADES ACCORDING TO ACI 506.2.
 - EACH NOZZLE OPERATOR SHALL ACHIEVE AN AVERAGE GRADE OF 2.5 OR BETTER (LOWER), WITH NO SINGLE CORE GRADE WORSE (HIGHER) THAN 3.0.
- TEST PANELS SHALL ALLOW FOR THREE 6" DIAMETER UNREINFORCED CORES TO BE TAKEN BETWEEN REINFORCING BARS TO BE EVALUATED FOR COMPRESSIVE STRENGTH.
 - THE STRENGTH OF THE THREE UNREINFORCED TEST CORES SHALL EQUAL OR EXCEED THE SPECIFIED COMPRESSIVE STRENGTH NOTED IN THESE DRAWINGS WHEN TESTED IN ACCORDANCE WITH ACI 214.
- SUBMIT PRECONSTRUCTION TEST PANEL ELEVATION AND DETAILS TO THE STRUCTURAL ENGINEER FOR REVIEW.
- PRECONSTRUCTION TEST PANELS SHALL COMPLY WITH CODE SECTION 1908A.5

DELEGATED DESIGNED ITEMS

- SEE ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF SYSTEMS REQUIRING CONTRACTOR OBTAINED DEFERRED APPROVAL BY THE AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, ANCHORAGE, AND INSTALLATION OF THE FOLLOWING LIST OF ITEMS NOT DESIGNED BY KPFF CONSULTING ENGINEERS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SIGNED BY AND BEARING THE SEAL OF A REGISTERED CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA TO THE ARCHITECT AND KPFF CONSULTING ENGINEERS. KPFF WILL REVIEW DELEGATED DESIGN SUBMITTALS FOR CONFORMANCE WITH THE PROJECT DESIGN AND PERFORMANCE CRITERIA AFTER REVIEW BY THE ARCHITECT AND DESIGN TEAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED SUBMITTALS AND APPROVALS BY THE BUILDING DEPARTMENT.
 - UTILITY DISTRIBUTION ANCHORAGE & SEISMIC BRACING
 - EQUIPMENT ANCHORAGE
 - STEEL STAIRS, LADDERS, GUARDRAILS & ANCHORAGE
 - FLUID VISCOUS DAMPING DEVICES
- ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS, AND SUPPORTS AND ATTACHMENTS SHALL MEET THE REQUIREMENTS OF THE CODE AND ASCE 7-16, CH. 13.
- THE DESIGN OF DELEGATED ITEMS SHALL COMPLY WITH THE CODE FOR AND ALL PROJECT SPECIFICATIONS AND CRITERIA INDICATED ON THE CONSTRUCTION DOCUMENTS. ADDITIONAL SUPPORT FRAMING, BRACING, STIFFENER PLATES, AND/OR OTHER STABILIZING ELEMENTS SHALL BE PROVIDED BY CONTRACTOR AT CONNECTIONS TO THE MAIN STRUCTURE TO PREVENT ECCENTRIC LOADING, TWISTING, WARPING, ROTATION, AND/OR TORSION OF THE MAIN STRUCTURAL MEMBERS. THE DESIGN OF THESE ELEMENTS SHALL MAKE PROVISIONS FOR ACCOMMODATING THE APPROPRIATE SEISMIC/WIND FORCES AND DISPLACEMENTS, AS WELL AS FLOOR DEFLECTIONS DUE TO GRAVITY LOADS OF THE MAIN STRUCTURE.
- PRE-APPROVED STANDARD DETAILS MAY BE USED PROVIDED THEY ARE AN ACCEPTABLE APPROVED STANDARD BY THE GOVERNING BUILDING OFFICIAL AND THE CODE FOR THIS PROJECT.
- DESIGN DISPLACEMENT CRITERIA FOR NON-STRUCTURAL COMPONENTS DESIGN:
ACCOMMODATE A MAXIMUM SEISMIC INELASTIC RESPONSE DISPLACEMENT (INTER-STORY DRIFT),
$$\Delta = \frac{3/4"}{3/4"} \text{ INCHES/STORY IN NORTH-SOUTH DIRECTION}$$
$$\frac{3/4"}{3/4"} \text{ INCHES/STORY IN EAST-WEST DIRECTION}$$

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



GENERAL
NOTES -
LIBRARY

THESE PLANS AND DETAILS ARE
REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *John P. Poulos*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S0.11-L

TABLE 2 - REQUIRED TESTING FOR SPECIAL INSPECTIONS			
SYSTEM OR MATERIAL	TESTING		REMARKS
	CODE REFERENCE	REFERENCED STANDARDS	
GEOTECHNICAL			
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	ASTM D1557	BY GEOTECHNICAL ENGINEER
MATERIAL VERIFICATION		CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIAL	BY GEOTECHNICAL ENGINEER
CONCRETE			
CONCRETE STRENGTH	1903 1705.3	ASTM C39	FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED. TEST EACH 150 CY NOR LESS THAN EACH 5000 SF OF SLAB OR WALL PLACED EACH DAY
CONCRETE SLUMP		ASTM C143	
CONCRETE AIR CONTENT		ASTM C231	
CONCRETE TEMPERATURE		ASTM C1064	
UNIT WEIGHT OF FRESH STRUCTURAL LIGHTWEIGHT CONCRETE		ASTM C567	
FLOOR FLATNESS AND LEVELNESS		ASTM E1155	TEST WITHIN 24 HOURS OF FINISHING
SHOTCRETE STRENGTH	1910.5 1910.10	ASTM C39	SPECIMEN TAKEN FROM THE IN-PLACE OR FROM TEST PANELS. EACH 50 CY NOR LESS THAN EACH 5000 SF OF WALL PLACED EACH SHIFT
STEEL			
NDT OF COMPLETE JOINT PENETRATION WELDS	1705.2	AISC 360 J5b AWS D1.1 6.13 AND 6.14.3	ALL C.J.P. WELDS IN MATERIALS 5/16 AND THICKER REQUIRE UT TESTING
NDT OF ACCESS HOLES IN HEAVY SECTION		AISC 360 J1.6 & N5.5c	MT OR PT ALL THERMALLY CUT SURFACES OF ACCESS HOLES WHEN FLANGE EXCEEDS 2" FOR ROLLED SHAPES OR WEB EXCEEDS 2" FOR BUILT-UP SHAPES
PRE-CONSTRUCTION TESTING OF WELDING STUDS		AWS D1.1 7.7.1	TEST EACH SIZE AND TYPE OF STUD EACH SHIFT
PRE-INSTALLATION TESTING OF WELDING STUDS WELDED THROUGH DECKING		AWS D1.1 7.6	TEST EACH STUD SIZE AND DECK GAUGE COMBINATION
PRE-INSTALLATION VERIFICATION OF PRETENSIONED HIGH STRENGTH BOLTS		RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS SECTION 7	TEST EACH COMBINATION OF DIAMETER LENGTH, GRADE, AND LOT TO BE USED IN THE WORK
STEEL SEISMIC FORCE RESISTING SYSTEM (SFRS)			
a. NDT OF K-AREA OF ROLLED WIDE FLANGE COLUMN WEBS ADJACENT TO DOUBLER/CONTINUITY PLATE WELDS	1705.12.1	AISC 341 J6.2a AWS D1.1 6.14.4	MT TEST EACH K-AREA BASE METAL WITHIN 3 INCHES OF THE WELD. NO SOONER THAN 48 HOURS AFTER COMPLETION OF WELD
b. NDT OF COMPLETE JOINT PENETRATION GROOVE (C.J.P.) WELDS IN MATERIALS 5/16" THICK AND GREATER		AISC 341 J6.2b MT - AWS D1.1 6.14.4 UT - AWS D1.1 6.13 AND 6.14.3	PERFORM THE FOLLOWING TESTS: 1. UT TEST 100% OF CJP WELDS 2. MT TEST 25% OF WELDS AT BEAM/COLUMN CJP GROOVE WELDS
c. NDT OF BASE METAL FOR LAMELLAR TEARING AND LAMINATIONS		AISC 341 J6.2c AWS D1.1 6.13 AND 6.14.3	PERFORM UT INSPECTION ON BASE METAL OF JOINTS WHERE THICKNESS (t) OF 1 1/2" AND GREATER AND CONNECTED MATERIAL THICKNESS OF 3/4" AND GREATER FOR DISCONTINUITIES BEHIND AND ADJACENT TO THE FUSION LINE. ANY BASE METAL DISCONTINUITIES FOUND WITHIN t/4 OF THE STEEL SURFACE SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF THE CRITERIA OF AWS D1.10.1.1M TABLE 6.2
d. NDT AT BEAM COPE AND ACCESS HOLE		AISC 341 J6.2d AWS D1.1 6.14.4	PERFORM MT TESTING OF WELD SPLICES AND CONNECTIONS, THERMALLY CUT SURFACES OF BEAM COPES AND ACCESS HOLES WHERE FLANGE THICKNESS EXCEEDS 1 1/2" FOR ROLLED SHAPES OR WHEN THE WEB THICKNESS EXCEEDS 1 1/2" FOR BUILT-UP SHAPES
e. NDT AT REDUCED BEAM SECTION REPAIR		AISC 341 J6.2e AWS D1.1 6.14.4	MT SHALL BE PERFORMED ON ANY WELD AND ADJACENT AREA OF THE RBS CUT SURFACE THAT HAS BEEN REPAIRED BY WELDING OR ON THE BASE METAL OF THE RBS CUT SURFACE IF A SHARP NOTCH HAS BEEN REMOVED BY GRINDING
f. NDT AT WELD TAB REMOVAL SITES		AISC 341 J6.2f AWS D1.1 6.14.4	AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MT SHALL BE PERFORMED ON THE SAME BEAM-TO-COLUMN JOINTS RECEIVING UT AS REQUIRED UNDER ITEM b

TABLE 1 (CONT.) - REQUIRED SPECIAL INSPECTIONS				
SYSTEM OR MATERIAL	INSPECTION		REMARKS	
	INSPECTION TYPE	CODE REFERENCE REFERENCED STANDARDS		
STEEL				
INSPECTION TASKS PRIOR TO WELDING				
1. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	PERFORM	1705.2.1 AISC 360, TABLE N5.4-1 AISC 341, TABLE J6-1	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACK WELD QUALITY, BACKING TYPE AND FIT	
2. MANUFACTURER CERTIFICATION FOR WELDING CONSUMABLES AVAILABLE	PERFORM			
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE			
4. WELDER IDENTIFICATION SYSTEM	OBSERVE			
5. FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY)	OBSERVE			
6. CONFIGURATION AND FINISH OF ACCESS HOLE	OBSERVE			
7. FIT-UP OF FILLET WELDS	OBSERVE			
8. CHECK WELDING EQUIPMENT	OBSERVE		VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND QUALITY OF TACK WELD	
INSPECTION TASKS DURING WELDING				
1. USE OF QUALIFIED WELDERS	OBSERVE	1705.2.1 AISC 360, TABLE N5.4-2 AISC 341, TABLE J6-2	VERIFY PACKAGING AND EXPOSURE CONTROL	
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE			
3. NO WELDING OVER TACK WELDS	OBSERVE			
4. ENVIRONMENTAL CONDITIONS	OBSERVE			
5. WELDING PROCEDURE SPECIFICATION (WPS) FOLLOWED	OBSERVE			
6. WELDING TECHNIQUES	OBSERVE			
				VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE
			VERIFY SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION (F, V, H, OH)	
			VERIFY INTERPASS TEMPERATURE AND FINAL CLEANING, PROFILE LIMITATIONS AND QUALITY OF EACH PASS	
INSPECTION TASKS AFTER WELDING				
1. WELDS CLEANED	OBSERVE	1705.2.1 AISC 360, TABLE N5.4-3 AISC 341, TABLE J6-3	VERIFY CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES AND SIZE, UNDERCUT, AND POROSITY. DOCUMENT FINDINGS IN REPORT.	
2. SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM			
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM			
4. ARC STRIKES	PERFORM			
5. K-AREA	PERFORM			
6. BACKING REMOVED AND WELD TABS REMOVED WHERE REQUIRED	PERFORM			
7. PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS WHERE REQUIRED	PERFORM			
8. REPAIR ACTIVITIES	PERFORM			
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM			
				VISUALLY INSPECT WEB IN K-AREA FOR CRACKS WITHIN 3" OF WELD WHERE WELDS ARE PROVIDED IN THE K-AREA
INSPECTION TASKS PRIOR TO BOLTING				
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM	1705.2.1 AISC 360, TABLE N5.6-1 AISC 341, TABLE J7-1	VERIFY FAYING SURFACE CONDITION AND HOLD PREPARATION	
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE			
3. PROPER FASTENER SELECTED FOR THE JOINT DETAIL	OBSERVE			
4. PROPER BOLTING PROCEDURE SELECTED FOR THE JOINT DETAIL	OBSERVE			
5. CONNECTING ELEMENTS MEET APPLICABLE REQUIREMENTS	OBSERVE			
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLING PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	OBSERVE			
7. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENT	OBSERVE			
INSPECTION TASKS DURING BOLTING				
1. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED	OBSERVE	1705.2.1 AISC 360, TABLE N5.6-2 AISC 341, TABLE J7-2		
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	OBSERVE			
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE			
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT FORWARD TOWARD THE FREE EDGES	OBSERVE			
INSPECTION TASKS AFTER BOLTING				
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	PERFORM	AISC 360, TABLE N5.6-3 AISC 341, TABLE J7-3		

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Abdullah P. Al-Hajj
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

SPECIAL INSPECTION NOTES:

- OWNER WILL RETAIN A QUALIFIED, INDEPENDENT SPECIAL INSPECTION AGENCY TO PERFORM SPECIAL INSPECTIONS AND TESTS PER CHAPTER 17 OF THE CODE. REFER TO THE TABLES 1 AND 2 FOR TESTS AND INSPECTIONS THAT WILL BE PERFORMED.
- THE SPECIAL INSPECTOR WILL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL NON-CONFORMING WORK WILL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS.
- TESTING FREQUENCIES IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION ARE DEFINED AS FOLLOWS:
 - CONTINUOUS: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
 - PERIODIC: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
 - OBSERVE: THE SPECIAL INSPECTOR WILL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
 - PERFORM: THE SPECIAL INSPECTOR WILL PERFORM THESE TASKS FOR EACH ELEMENT.
 - DOCUMENT: THE SPECIAL INSPECTOR WILL DOCUMENT IN A REPORT THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SPECIAL INSPECTION FOR FABRICATED ITEMS:

- SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP AS REQUIRED IN THE SPECIAL INSPECTION PROGRAM. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES AND SHALL REVIEW FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENT EXCEPT AS NOTED BELOW.
- SPECIAL INSPECTIONS OF FABRICATED ITEMS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1 OF THE CODE.

DEFERRED SUBMITTALS:

- SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SPECIFIED BY THE SYSTEMS ENGINEER AND INCLUDED WITH DEFERRED SUBMITTAL DOCUMENTS.

CONTRACTOR RESPONSIBILITY:

- THE CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND/SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND/SEISMIC FORCE RESISTING COMPONENT LISTED IN TABLE 1 SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
 - ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
 - ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION INCLUDING THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS.
 - IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

SPECIAL INSPECTIONS AND TESTING

TABLE 1 - REQUIRED SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	INSPECTION			REMARKS	
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS		
SOILS					
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC	1705.6	GEOTECHNICAL REPORT	BY THE GEOTECHNICAL ENGINEER	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC				
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	PERIODIC				
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	CONTINUOUS				
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC				
CONCRETE					
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND VERIFY PLACEMENT	PERIODIC	1705.3 1908.4	ACI 318 CHAPTER 20, 25.2 - 25.3, 26.6.1 - 26.6.3	TOLERANCE AND REINFORCING PLACEMENT PER ACI 318, SECTION 26.6.2	
2. REINFORCING BAR WELDING		1705.3	ACI 318 26.6.4 AWS D1.4, SECTION 7	VISUALLY INSPECT ALL WELDS. MATERIAL VERIFICATION OF REINFORCING STEEL FOR WELDING (CERTIFIED MILL TEST REPORTS); VERIFICATION OF WELD FILLER METALS, USE OF PROPER WPS'S AND WELDER QUALIFICATIONS	
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	PERIODIC				
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	PERIODIC				
C. INSPECT ALL OTHER WELDS	CONTINUOUS				
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC		ACI 318 17.8.2		
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.					
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS		ACI 318 17.8.2.4	INSPECTION REQUIREMENTS PER ICC EVALUATION REPORT.	
B. MECHANICAL ANCHORS AND ADHESIVE NOT DEFINED IN 4A.	PERIODIC		ACI 318 17.8.2	VERIFY THAT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION ARE INSTALLED BY CERTIFIED INSTALLERS.	
5. VERIFY USE OF REQUIRED DESIGN MIX	PERIODIC	1904.1, 1904.2, 1908.2, 1908.3	ACI 318 CH 19, 24.4.3, 26.4.4	VERIFY THAT ALL MIXES USED COMPLY WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED CODES AND STANDARDS	
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF CONCRETE.	CONTINUOUS	1908.10	ASTM C172 ASTM C31 ACI 318 26.4, 26.12		
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	1904.6, 1908.7, 1908.8	ACI 318 26.5		
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	1908.9	ACI 318 26.5.3 - 26.5.5		
9. INSPECT PRESTRESSED CONCRETE FOR:					
A. APPLICATION OF PRESTRESSING FORCES; AND	CONTINUOUS		ACI 318 26.10		
B. GROUTING OF BONDED PRESTRESSING TENDONS.	CONTINUOUS				
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC		ACI 318 26.8		
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC		ACI 318 26.11.2		
12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.	PERIODIC		ACI 318 26.11.1.2(b)		
13. INSPECT INSTALLATION OF MECHANICAL COUPLING DEVICES.	CONTINUOUS		ICC EVALUATION REPORT	VERIFY GRADE AND SIZE OF REBAR BEING SPLICED, COUPLER IDENTIFICATION AND POSITION, AND INSTALLATION OF COUPLER	

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



TESTING,
INSPECTION,
AND
OBSERVATION

THESE PLANS AND DETAILS ARE
REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By John Lee
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S0.12-L

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

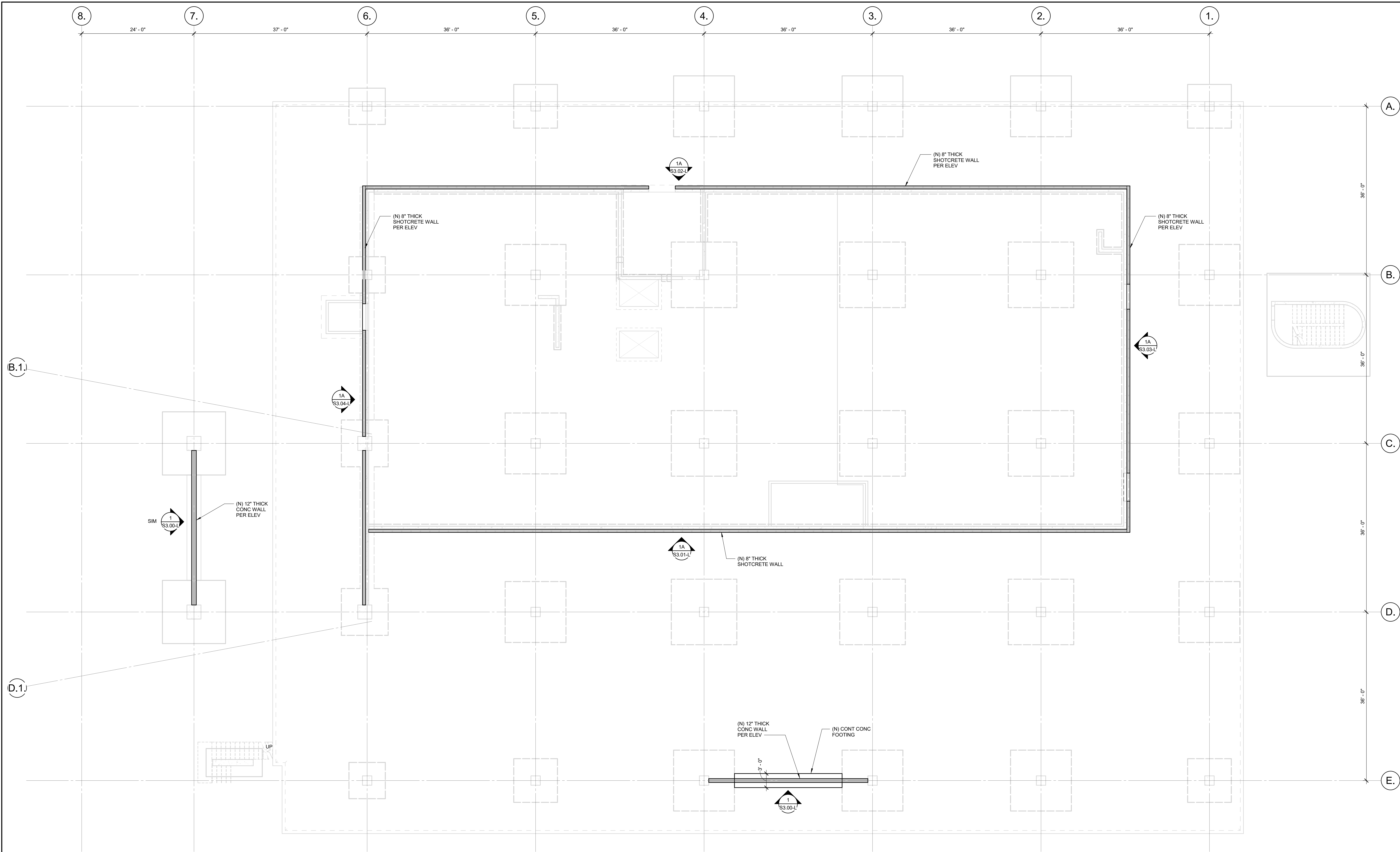


LIBRARY -
FOUNDATION
PLAN

REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By Glenn Lee
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S2.00-L



PLAN NOTES:

- SEE SHEET S0.10-L FOR GENERAL NOTES.
- SEE SHEET S4.00-L THROUGH S4.03-L FOR VISCOUS DAMPER FRAME ELEVATIONS.
- SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.
- CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND REFRAMING WORK.

LEGEND:

- XXXX-XXXX" (E) INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.
- (N) INDICATES EXISTING.
- INDICATES EXISTING STRUCTURE.
- INDICATES NEW.
- INDICATES NEW CONSTRUCTION.
- INDICATES PORTION OF BUILDING TO BE DEMOLISHED.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Edi Puroshatagha
Date 04/13/2023

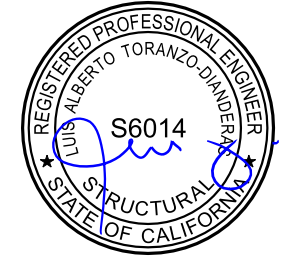
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

1 LIBRARY - GROUND FLOOR FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

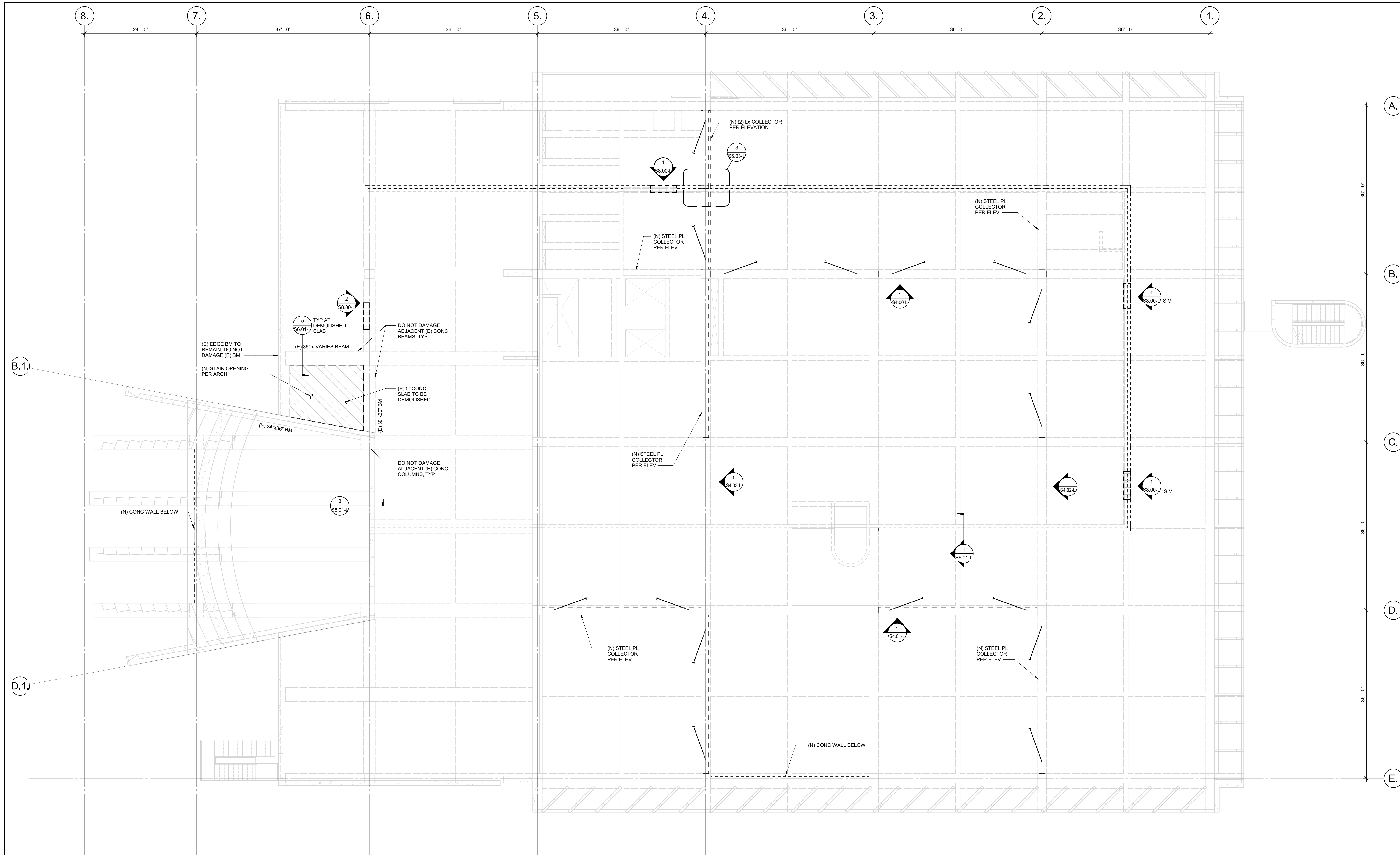


LIBRARY - 1ST
FLOOR PLAN

REVIEWED FOR
CODE COMPLIANCE
By: [Signature]
Date: 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S2.01-L



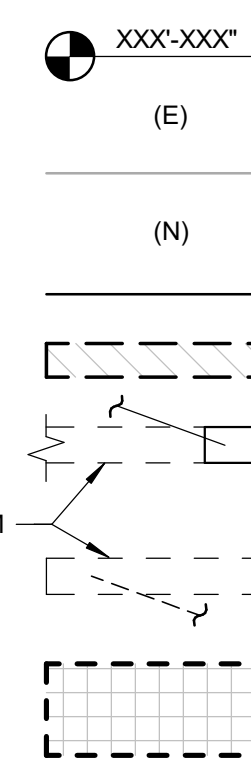
DEMOLITION NOTES:

1. CONTRACTOR TO EMPLOY NECESSARY METHODS AND SEQUENCING (SUCH AS SHORING, CABLE BRACING, STAGED DEMOLITION) TO ENSURE THAT NONE OF THE REMAINING STRUCTURAL OR ARCHITECTURAL COMPONENTS ARE DAMAGED.
2. SEE AREA SPECIFIC WARNINGS AND DEMOLITION RESTRICTIONS ON ENLARGED PLANS AND SECTIONS.
3. NOT ALL (E) STRUCTURAL COMPONENTS ARE SHOWN FOR CLARITY.
4. SEE ARCHITECTURAL FOR TEMPORARY CONSTRUCTION BARRIER.

PLAN NOTES:

1. SEE SHEET S0.10-L FOR GENERAL NOTES.
2. SEE SHEET S4.00-L THROUGH S4.03-L FOR VISCOUS DAMPER FRAME ELEVATIONS.
3. SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
4. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.
5. CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND REFRAMING WORK.

LEGEND:

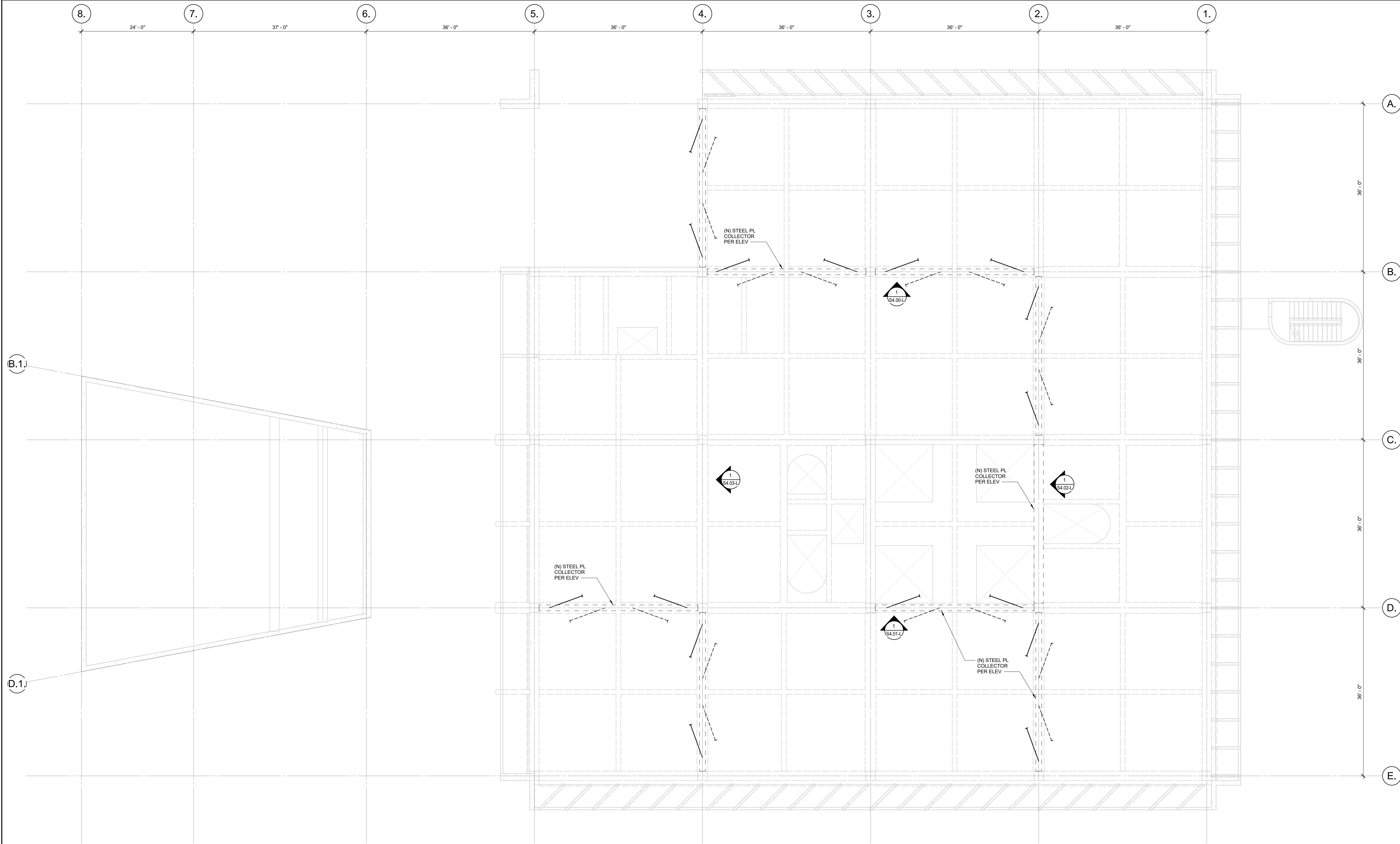


- INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.
- INDICATES EXISTING.
- INDICATES EXISTING STRUCTURE.
- INDICATES NEW.
- INDICATES NEW CONSTRUCTION.
- INDICATES PORTION OF BUILDING TO BE DEMOLISHED.
- INDICATES DAMPER ASSEMBLY ABOVE FLOOR LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L.
- INDICATES DAMPER ASSEMBLY BELOW FLOOR LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L.
- INDICATES FRP CATCH MECHANISM AT WALL SPANDREL ABOVE DOOR OPENING.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By: [Signature]
Date: 04/13/2023
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

1 LIBRARY - 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"



DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By *Edo P. Pappas*
Date 04/13/2023

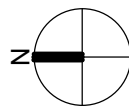
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

PLAN NOTES:

1. SEE SHEET S0.10-L FOR GENERAL NOTES.
2. SEE SHEET S4.00-L THROUGH S4.03-L FOR VISCOUS DAMPER FRAME ELEVATIONS.
3. SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
4. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.
5. CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND REFRAMING WORK.

LEGEND:

- XXXX-XXXX
(E)
INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.
- (N)
INDICATES EXISTING.
- INDICATES EXISTING STRUCTURE.
- INDICATES NEW.
- INDICATES NEW CONSTRUCTION.
- INDICATES PORTION OF BUILDING TO BE DEMOLISHED.
- INDICATES DAMPER ASSEMBLY ABOVE FLOOR LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L.
- INDICATES DAMPER ASSEMBLY BELOW FLOOR LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L.
- STEEL CONNECTOR PLATE BELOW BM



1 LIBRARY - 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

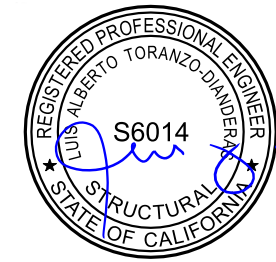
kpff
700 S. Flower St., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

ODM
Syska Hennessy
GROUP
A member company of SH Group, Inc.

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



**LIBRARY - 2ND
FLOOR PLAN**

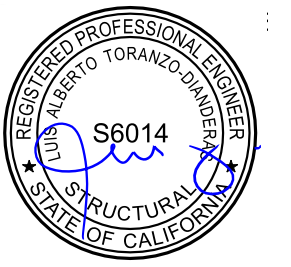
**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *James Lee*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:
S2.02-L

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

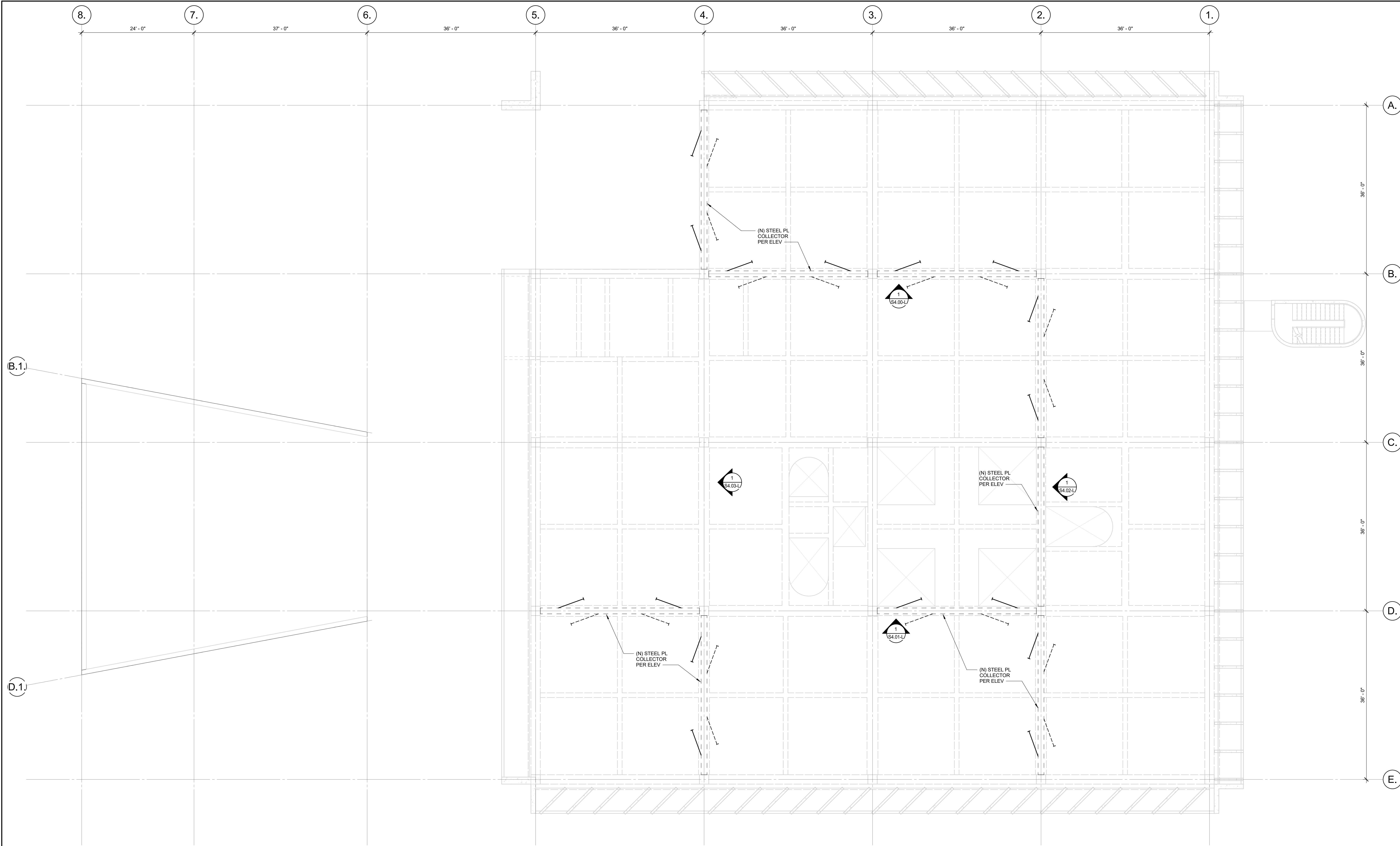


LIBRARY - 3RD
FLOOR PLAN

ANY DATE, DESCRIPTION
THAT THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *[Signature]*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S2.03-L



DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By *[Signature]*
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

PLAN NOTES:

- SEE SHEET S0.10-L FOR GENERAL NOTES.
- SEE SHEET S4.00-L THROUGH S4.03-L FOR VISCOUS DAMPER FRAME ELEVATIONS.
- SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.
- CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND REFRAMING WORK.

LEGEND:

XXXX-XXXX
(E)

INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.

(N)

INDICATES EXISTING.

INDICATES EXISTING STRUCTURE.

INDICATES NEW.

INDICATES NEW CONSTRUCTION.

INDICATES PORTION OF BUILDING TO BE DEMOLISHED.

STEEL CONNECTOR
PLATE BELOW BM

INDICATES DAMPER ASSEMBLY ABOVE FLOOR
LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L.

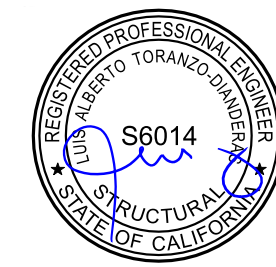
INDICATES DAMPER ASSEMBLY BELOW FLOOR
LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L.

1 LIBRARY - 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

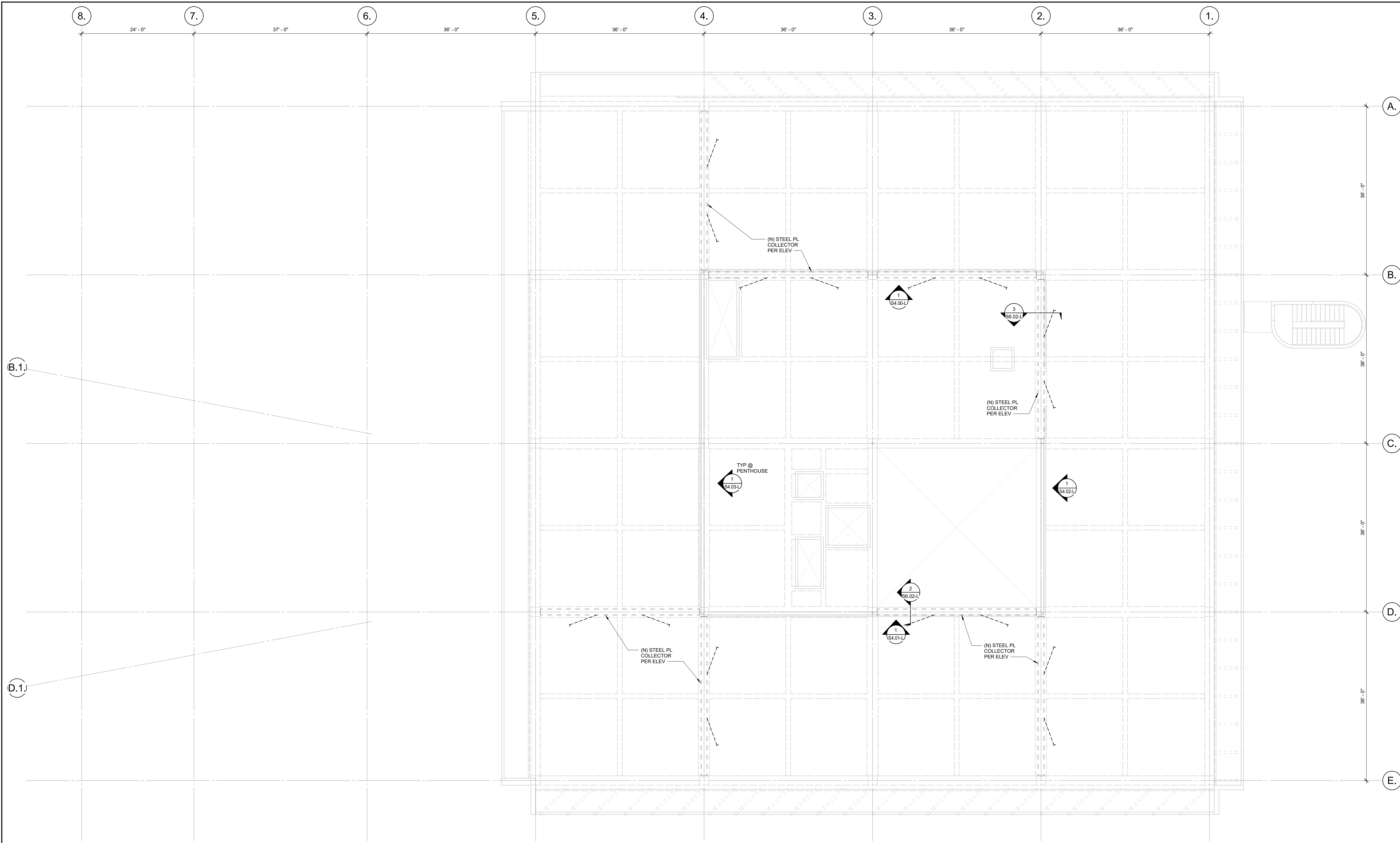


**LIBRARY - MAIN
ROOF AND
PENTHOUSE
FLOOR - L**

**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR VIOLATION OF ANY CODE OR ORDINANCE.
By *[Signature]*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S2.04-L



DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By *[Signature]*
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

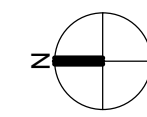
PLAN NOTES:

- SEE SHEET S0.10-L FOR GENERAL NOTES.
- SEE SHEET S4.00-L THROUGH S4.03-L FOR VISCOUS DAMPER FRAME ELEVATIONS.
- SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.
- CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND REFRAMING WORK.

LEGEND:

- | | | |
|--|------------------|--|
| | XXXX-XXXX
(E) | INDICATES TOP OF (E) CONCRETE SLAB ELEVATION. |
| | (N) | INDICATES EXISTING STRUCTURE. |
| | | INDICATES NEW CONSTRUCTION. |
| | | INDICATES PORTION OF BUILDING TO BE DEMOLISHED. |
| | | INDICATES DAMPER ASSEMBLY ABOVE FLOOR LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L. |
| | | INDICATES DAMPER ASSEMBLY BELOW FLOOR LEVEL PER ELEVATIONS S4.00-L THRU S4.03-L. |

STEEL CONNECTOR
PLATE BELOW BM



1 LIBRARY - ROOF PLAN

SCALE : 1/8" = 1'-0"

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



LIBRARY -
PENTHOUSE
ROOF

ANY DATE OF REVISION
THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By [Signature]
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S2.05-L

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By [Signature]
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

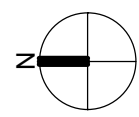
PLAN NOTES:

- SEE SHEET S0.10-L FOR GENERAL NOTES.
- SEE SHEET S4.00-L THROUGH S4.03-L FOR VISCOUS DAMPER FRAME ELEVATIONS.
- SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.
- CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND REFRAMING WORK.

LEGEND:

XXXX-XXXX
(E)
(N)
[] [] [] []

INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.
INDICATES EXISTING.
INDICATES EXISTING STRUCTURE.
INDICATES NEW.
INDICATES NEW CONSTRUCTION.
INDICATES PORTION OF BUILDING TO BE DEMOLISHED.



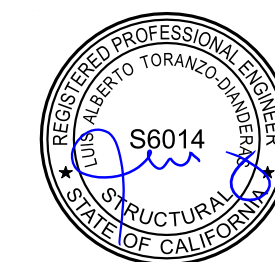
1 LIBRARY - PENTHOUSE PLAN
SCALE: 1/8" = 1'-0"

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022

WALL
ELEVATION

CSG CONSULTANTS, INC.
THESE PLANS AND DETAILS ARE

**REVIEWED FOR
CODE COMPLIANCE**

THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

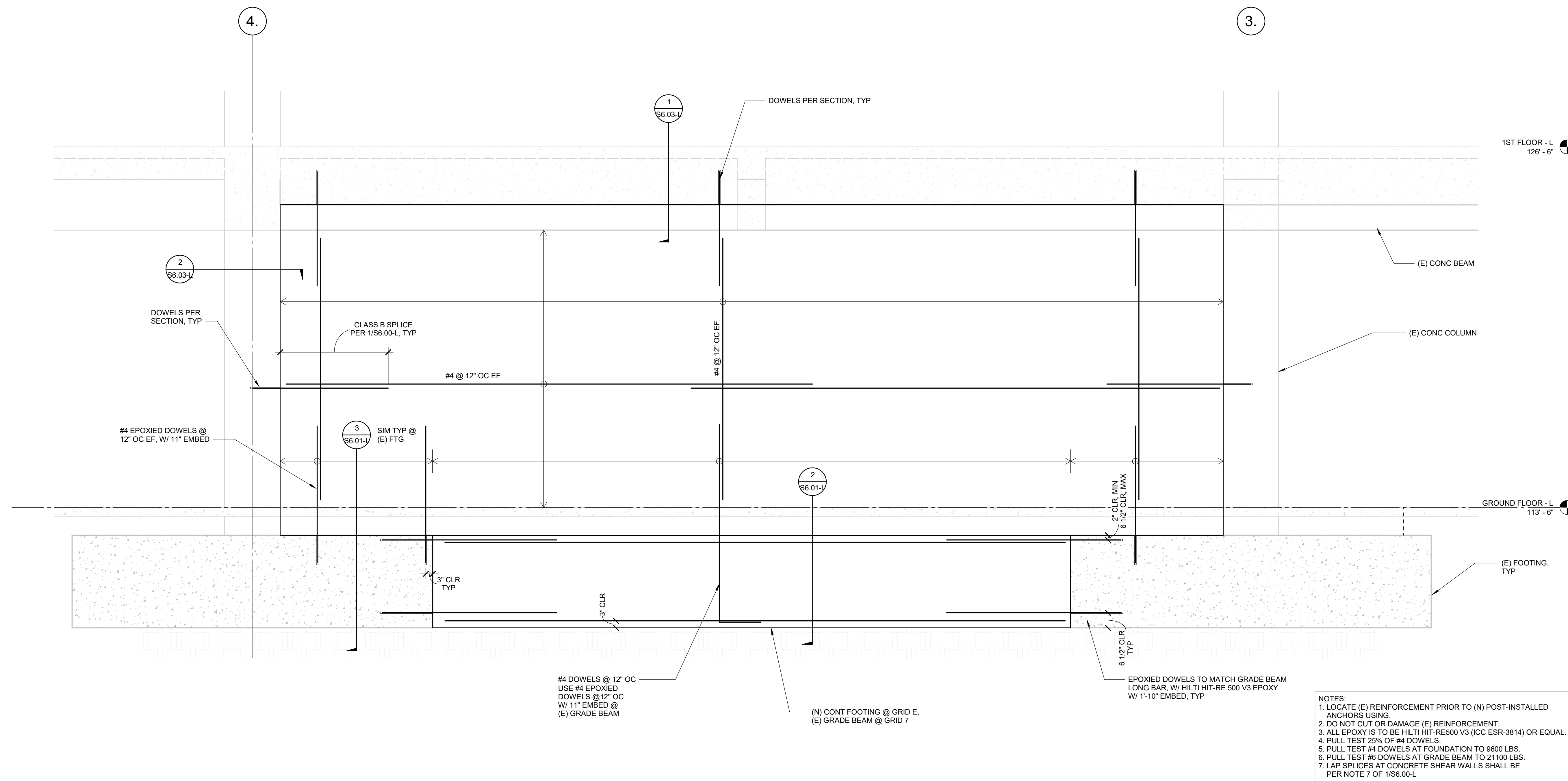
By Genae Ku

Date 2/23/2023

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S3.00-L



1 (N) SHEARWALL ELEVATION
SCALE : 1/2" = 1'-0"

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Ali Pourazadagh
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

1/10/2022 10:50:48 AM
 350 City of Inglewood Seismic
 Upgrade 200362 - Inglewood CCR - Street of

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

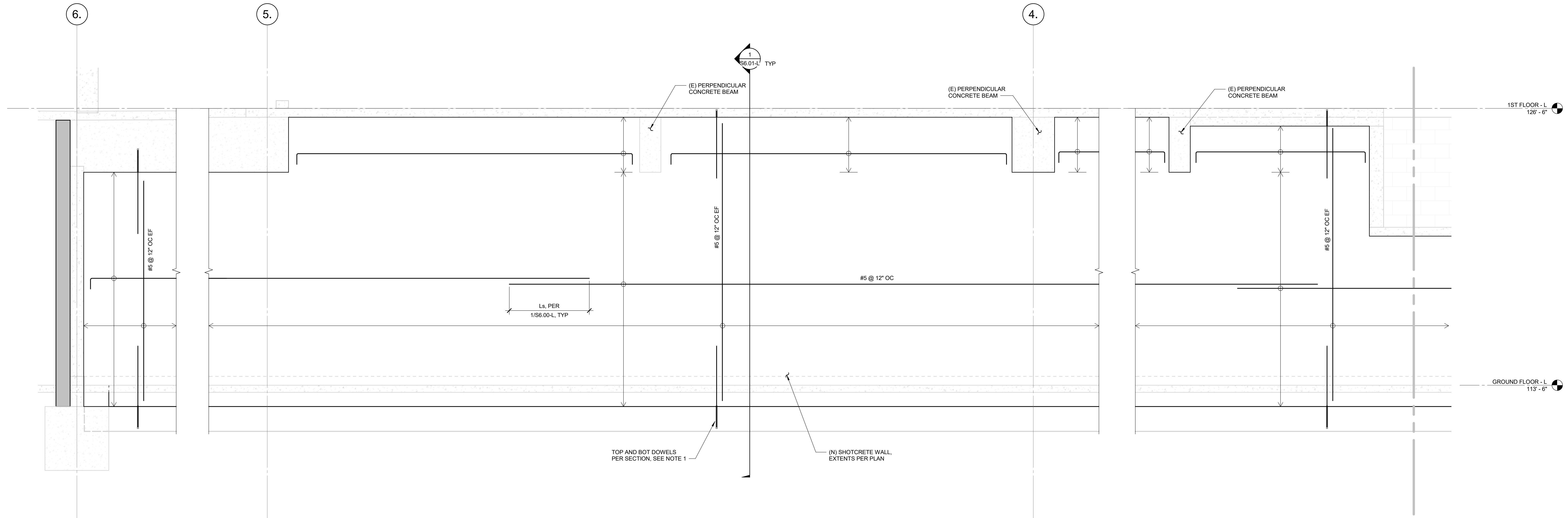


WALL
ELEVATION

REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *James Lee*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S3.01-L

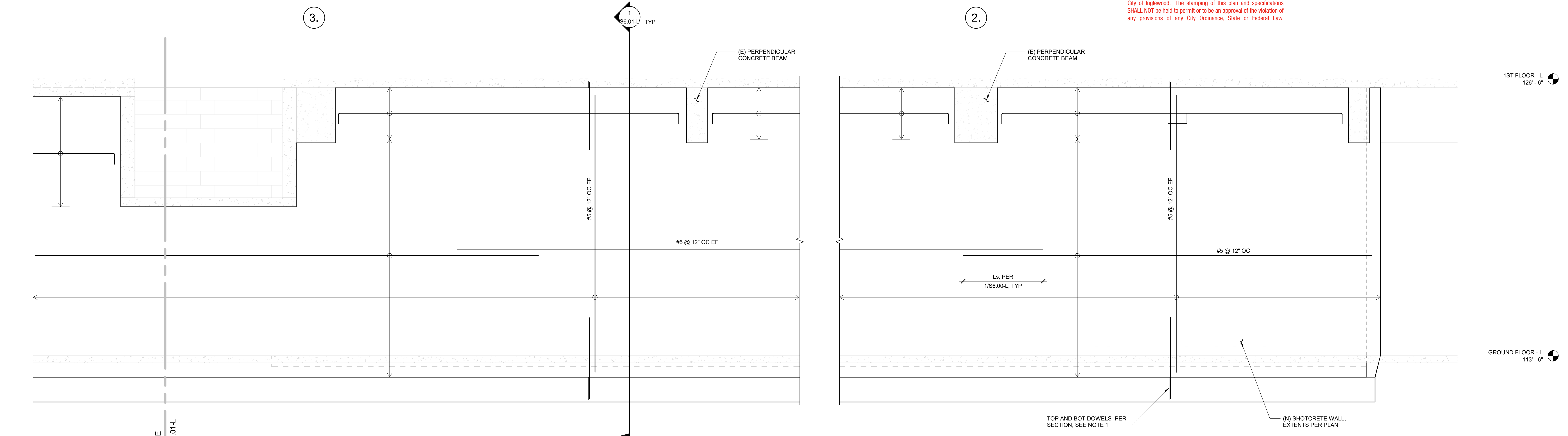


1A ELEVATION

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By *Edo Pannaghalagho*
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



1B ELEVATION

- NOTES:
1. VERTICAL EPOXY DOWELS INSTALLED INTO PARALLEL CONCRETE ELEMENTS ABOVE. EPOXY DOWELS NOT REQUIRED AT PERPENDICULAR BEAM IN ELEVATION.
 2. LAP SPLICES AT CONCRETE SHEAR WALLS SHALL BE PER NOTE 7 OF 106.00-L.
 3. PROVIDE A STANDARD HOOK FOR ALL HORIZ REINF TERMINATING AT DOOR OPENINGS OR PERPENDICULAR BEAMS IN ELEVATION.

1 SHOTCRETE WALL ELEVATION
SCALE: 1" = 1'-0"

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

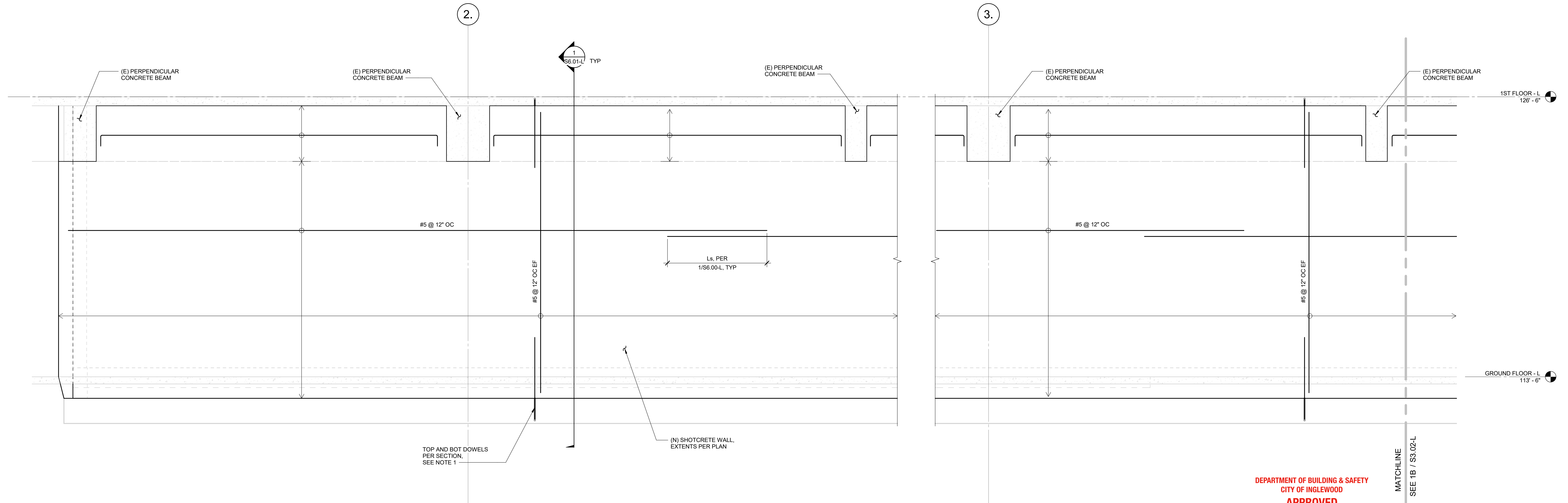
PERMIT SET
KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



WALL
ELEVATION

CAUTION: THESE PLANS AND DETAILS ARE
REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By: *[Signature]*
Date: 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:
S3.02-L

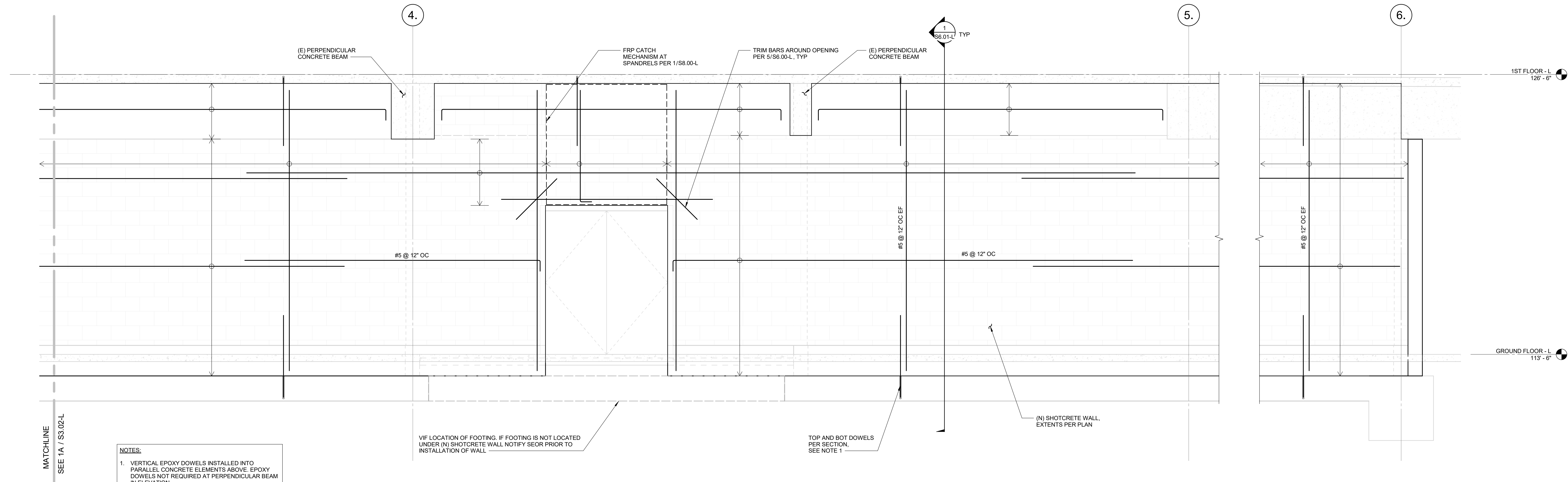


1A ELEVATION

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By: *[Signature]*
Date: 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



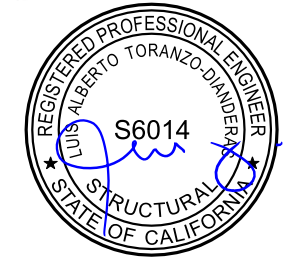
1B ELEVATION

- NOTES:
1. VERTICAL EPOXY DOWELS INSTALLED INTO PARALLEL CONCRETE ELEMENTS ABOVE. EPOXY DOWELS NOT REQUIRED AT PERPENDICULAR BEAM IN ELEVATION.
 2. LAP SPLICES AT CONCRETE SHEAR WALLS SHALL BE PER NOTE 7 OF 1/S6.00-L.
 3. PROVIDE A STANDARD HOOK FOR ALL HORIZ REINF TERMINATING AT DOOR OPENINGS OR PERPENDICULAR BEAMS IN ELEVATION.

1 SHOTCRETE WALL ELEVATION
SCALE: 1" = 1'-0"

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

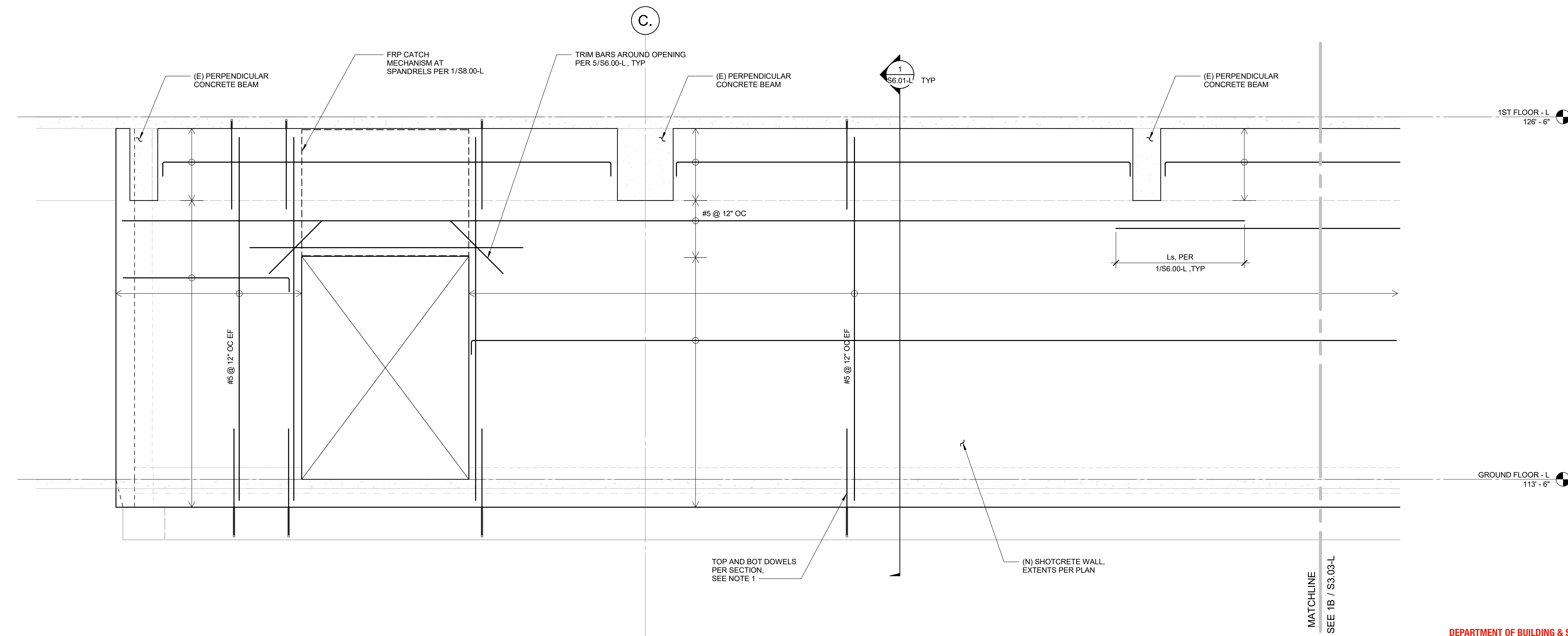
PERMIT SET
KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



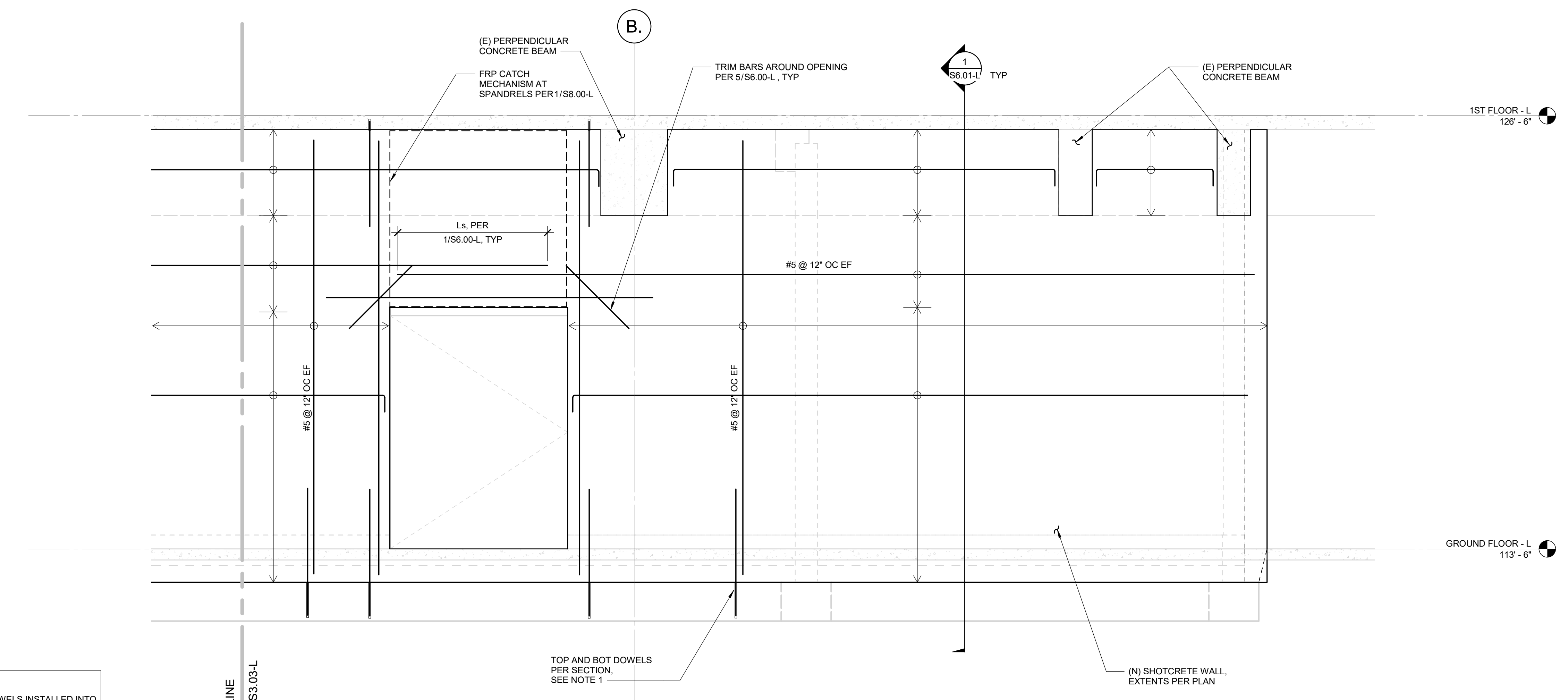
WALL ELEVATION

REVIEWED FOR CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *[Signature]*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:
S3.03-L



1A ELEVATION



1B ELEVATION

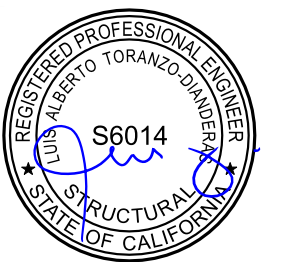
- NOTES:**
1. VERTICAL EPOXY DOWELS INSTALLED INTO PARALLEL CONCRETE ELEMENTS ABOVE. EPOXY DOWELS NOT REQUIRED AT PERPENDICULAR BEAM IN ELEVATION.
 2. LAP SPLICES AT CONCRETE SHEAR WALLS SHALL BE PER NOTE 7 OF 1/S6.00-L.
 3. PROVIDE A STANDARD HOOK FOR ALL HORIZ REINF. TERMINATING AT DOOR OPENINGS OR PERPENDICULAR BEAMS IN ELEVATION.

1 SHOTCRETE WALL ELEVATION
1" = 1'-0"

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

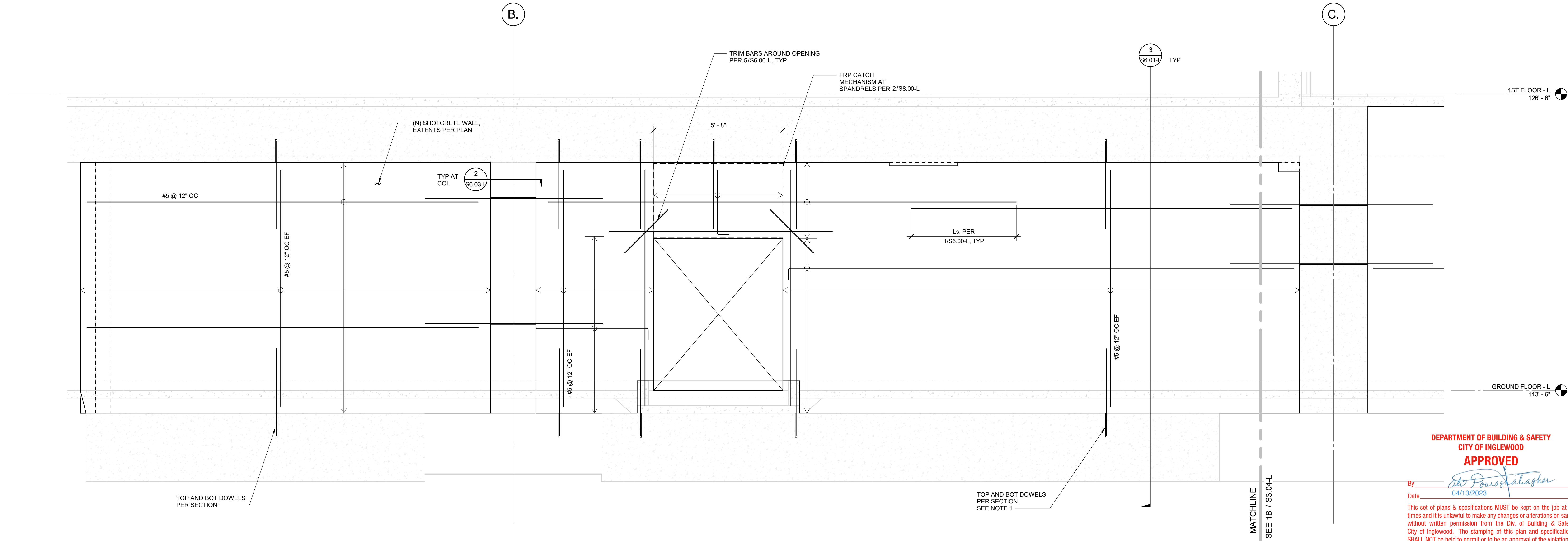


**WALL
ELEVATION**

REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *James Lee*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

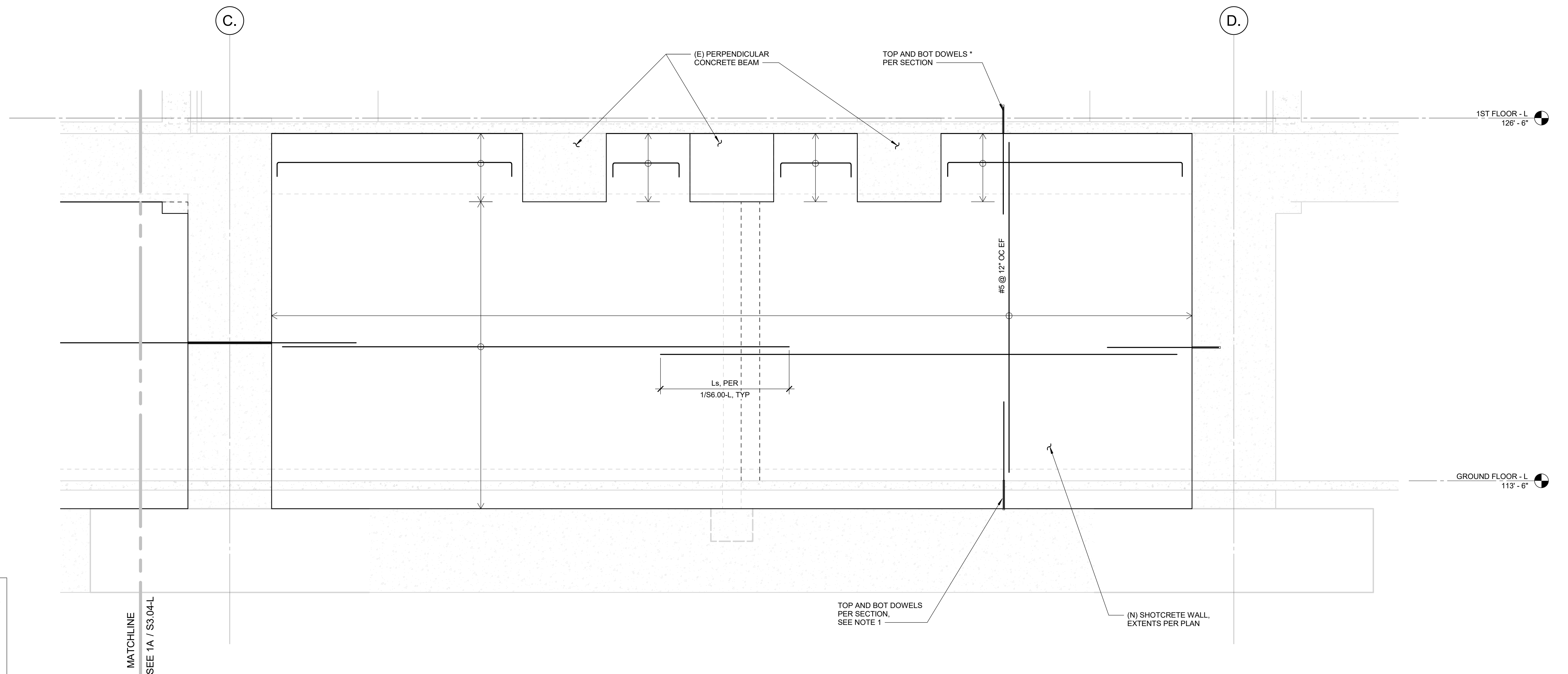
Drawing No:

S3.04-L



DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By *John P. ...*
Date 04/13/2023
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

1A ELEVATION



1B ELEVATION

- NOTES:
1. VERTICAL EPOXY DOWELS INSTALLED INTO PARALLEL CONCRETE ELEMENTS ABOVE. EPOXY DOWELS NOT REQUIRED AT PERPENDICULAR BEAM IN ELEVATION.
 2. LAP SPLICES AT CONCRETE SHEAR WALLS SHALL BE PER NOTE 7 OF 1/S8.00-L.
 3. PROVIDE A STANDARD HOOK FOR ALL HORIZ REINF. TERMINATING AT DOOR OPENINGS OR PERPENDICULAR BEAMS IN ELEVATION.

1 SHOTCRETE WALL ELEVATION
SCALE: 1" = 1'-0"

NOTES:

1. SEE SHEET S0.10-L FOR GENERAL NOTES.

2. SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.

3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.

LEGEND:

XXX'-XXX" INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.

(E) INDICATES EXISTING.

INDICATES EXISTING STRUCTURE.

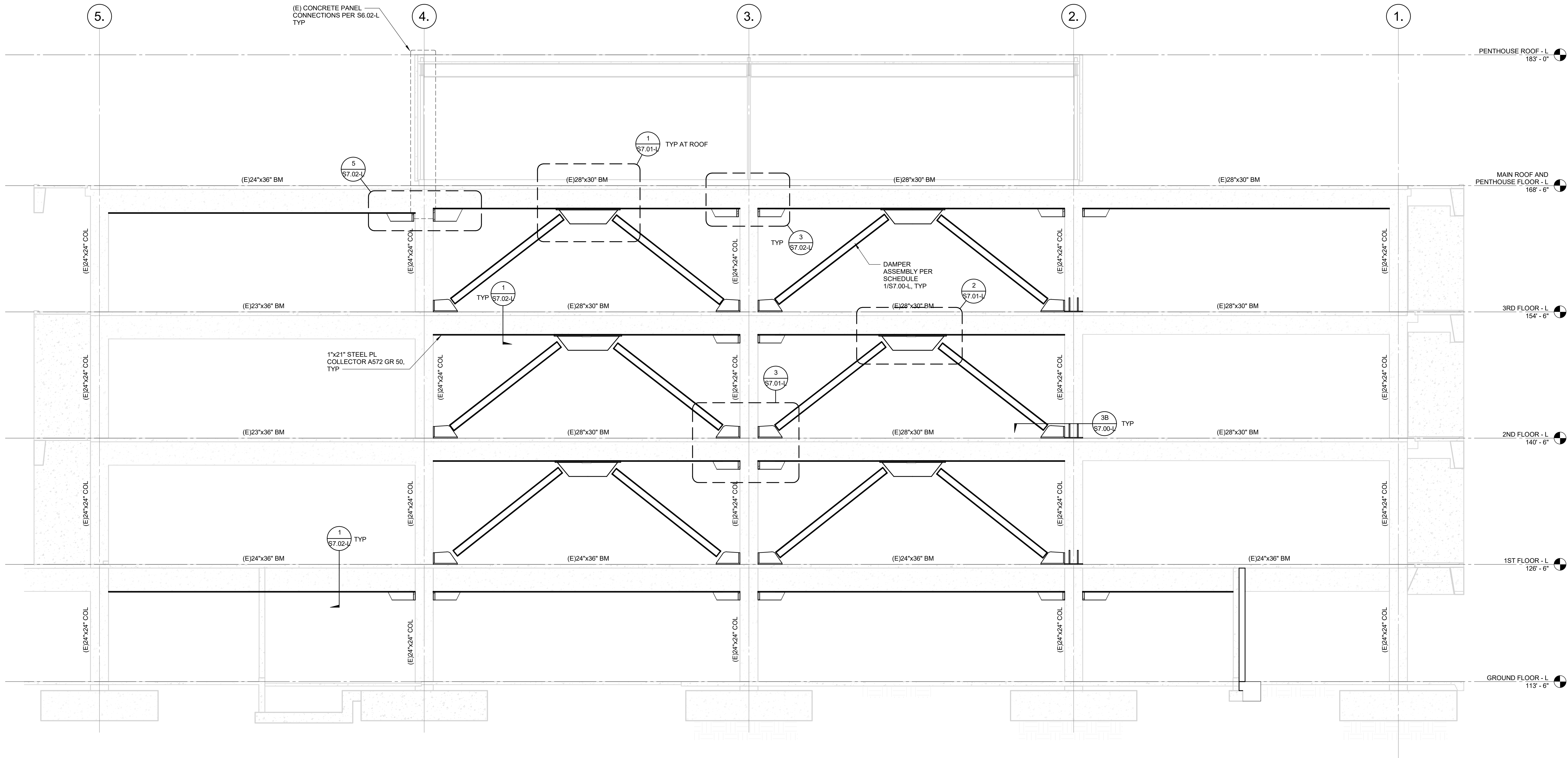
(N) INDICATES NEW.

INDICATES NEW CONSTRUCTION.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By *Dr. Poojashatish*
Date 04/13/2023

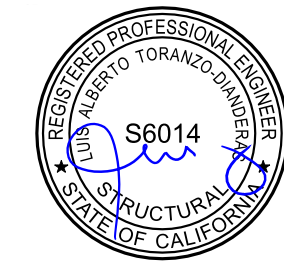
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



1 ELEVATION ALONG GRID B.
SCALE : 3/16" = 1'-0"

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET
KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



**DAMPER
FRAME
ELEVATION**

**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *James Lee*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:
S4.00-L

NOTES:

- SEE SHEET S0.10-L FOR GENERAL NOTES.
- SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.

LEGEND:

XXX'.XXX" INDICATES TOP OF (E) CONCRETE SLAB ELEVATION.

(E) INDICATES EXISTING.

INDICATES EXISTING STRUCTURE.

(N) INDICATES NEW.

INDICATES NEW CONSTRUCTION.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By John P. Pappalardo
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



DAMPER
FRAME
ELEVATION

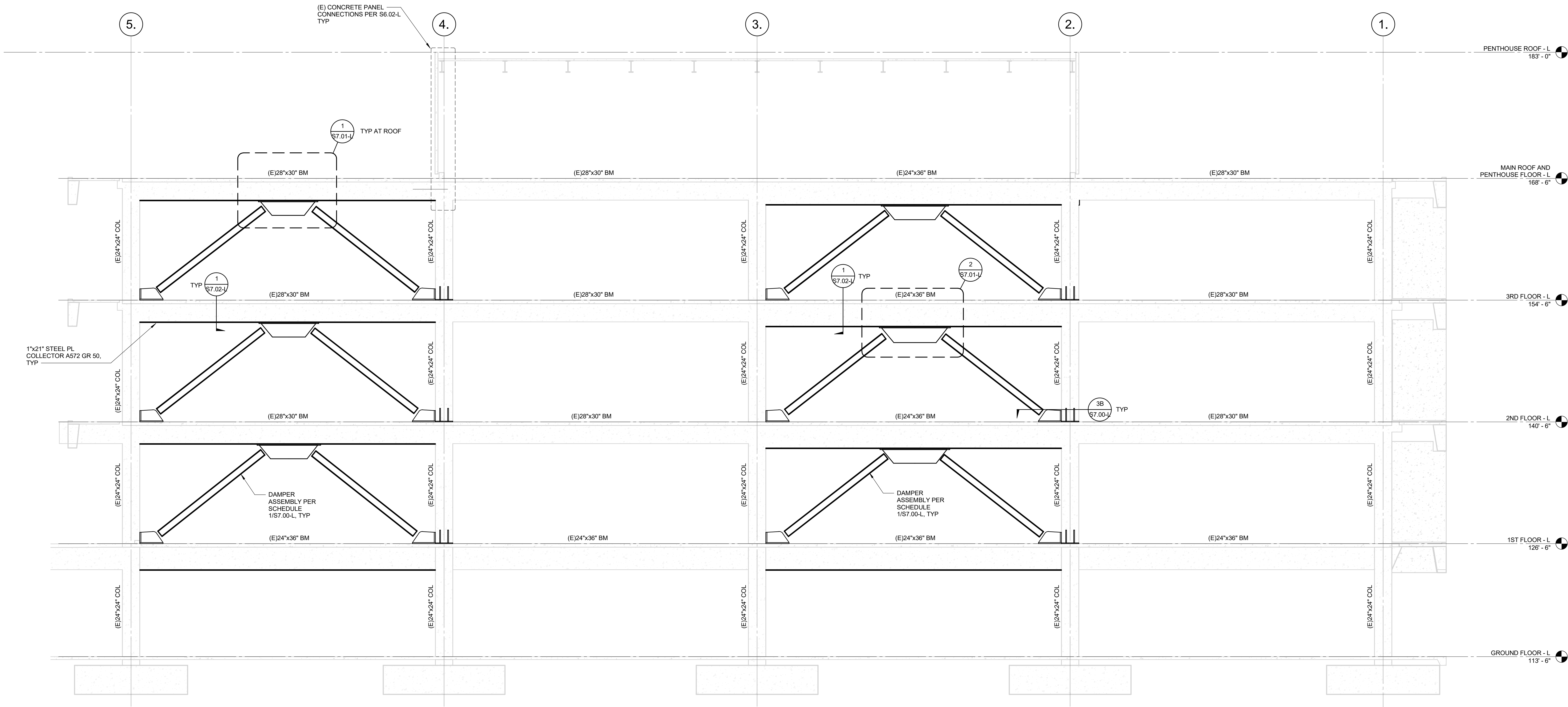
CAUTION: THESE PLANS AND DETAILS ARE REVIEWED FOR CODE COMPLIANCE. THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By John P. Pappalardo
Date 2/23/2023

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S4.01-L



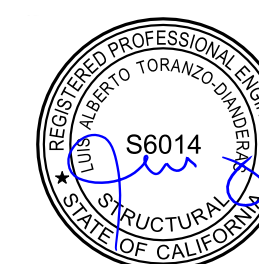
1 ELEVATION ALONG GRID D.
SCALE: 3/16" = 1'-0"

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



DAMPER FRAME ELEVATION

MARK DATE DESCRIPTION

CSG CONSULTANTS, INC.

THESE PLANS AND DETAILS ARE

REVIEWED FOR

CODE COMPLIANCE

THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By Chenae Ky

Drawing No:

S4.02-L

NOTES:

1. SEE SHEET S0.10-L FOR GENERAL NOTES.
2. SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.

LEGEND:

XXX'-XXX" INDICATES TOP OF (E) CONCRETE SLAB ELEVATION

(E) INDICATES EXISTING

INDICATES EXISTING STRUCTURE.

(N) INDICATES NEW

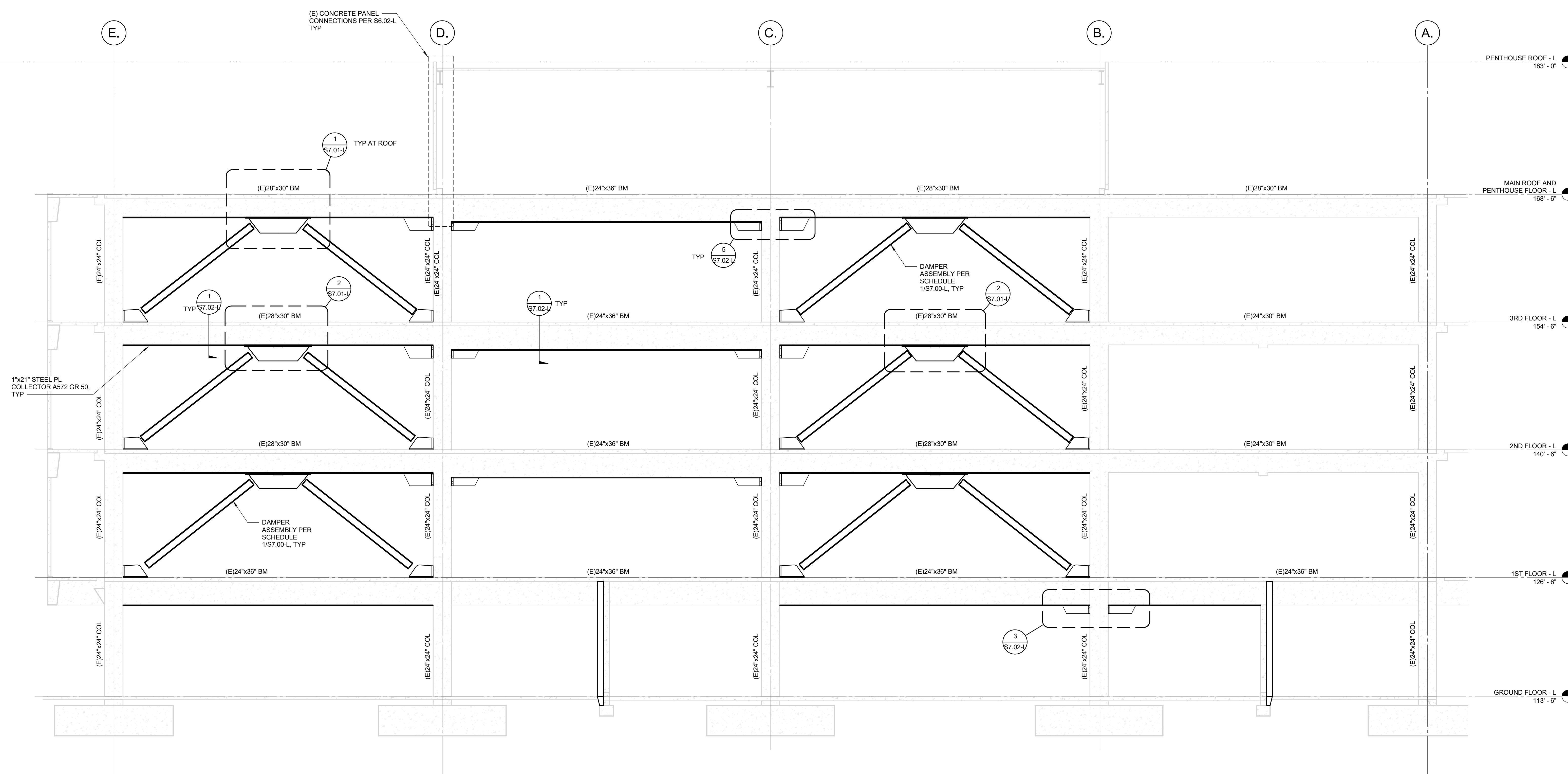
INDICATES NEW CONSTRUCTION

**DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD**

APPROVED

By Ali Pouraghalagheh
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



1 ELEVATION ALONG GRID 2.
SCALE: 3/16" = 1'-0"

SCALE : 3/16" = 1'-0"

1. SEE SHEET S0.10-L FOR GENERAL NOTES.
2. SEE ARCH DRAWINGS FOR DIMENSIONS NOT SHOWN.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION AND NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THAT SHOWN ON THE DRAWINGS.

 XXX'-XXX'

(E)

(E) INDICATES EXISTING.

INDICATES EXISTING STRUCTURE.

(N) INDICATES NEW.

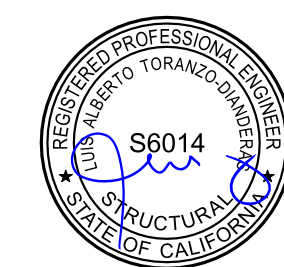
INDICATES NEW CONSTRUCTION.

**DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD**

APPROVED

By Ali Pourazadaghari
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

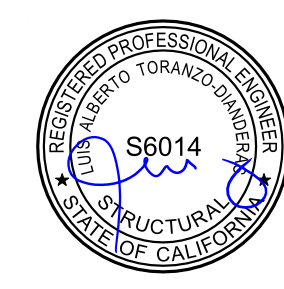


CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



TYPICAL CONCRETE DETAILS

CSG CONSULTANTS, INC.
THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**

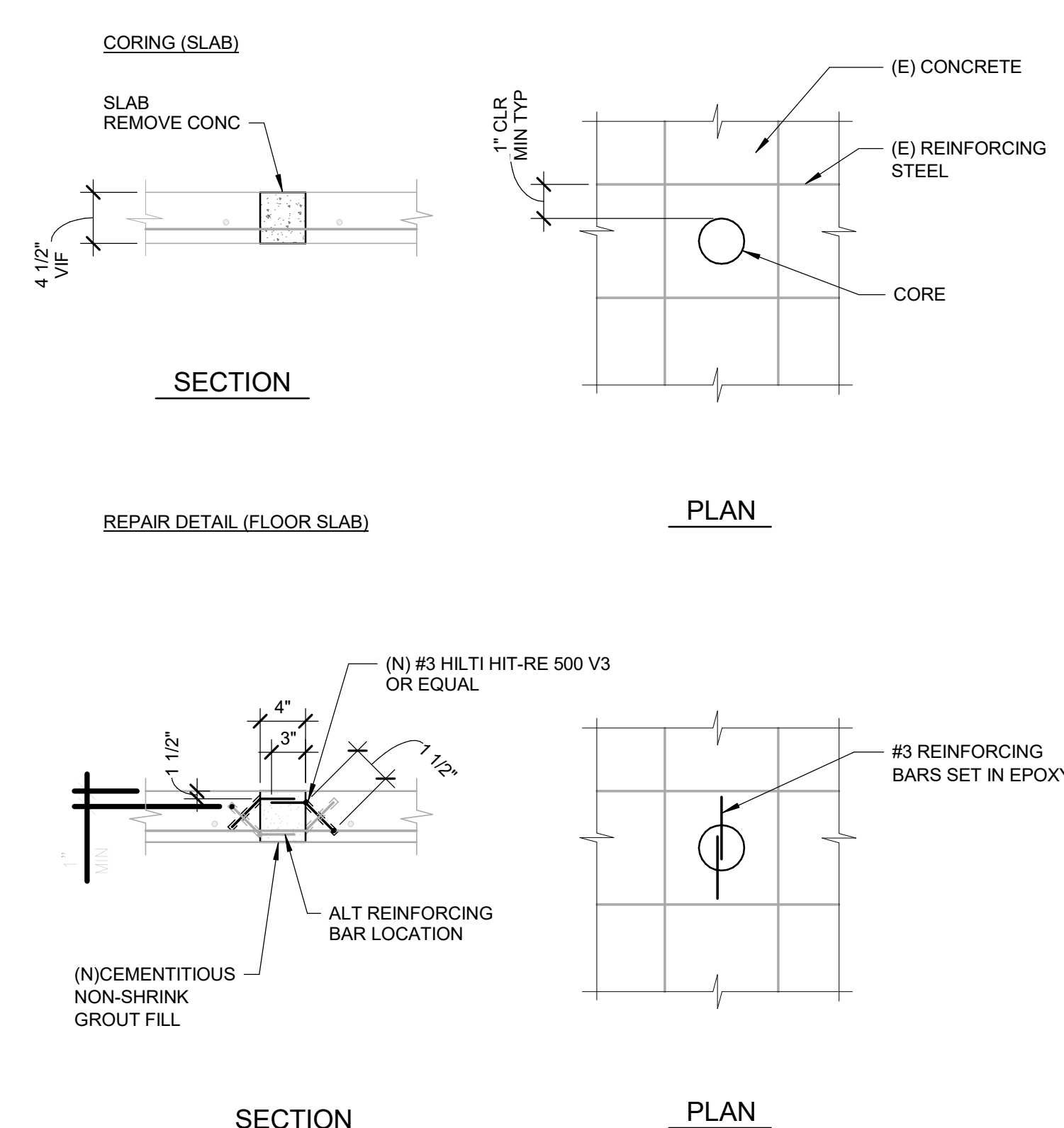
THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR VIOLATION OF ANY CODE OR ORDINANCE

By James Ky

Date 2/23/2023

Drawing No:

S6.00-L



NOTE:
CONTRACTOR TO LOCATE &
AVOID CUTTING (E)
REINFORCING STEEL OR
WELDED WIRE FABRIC PRIOR
TO CORING.

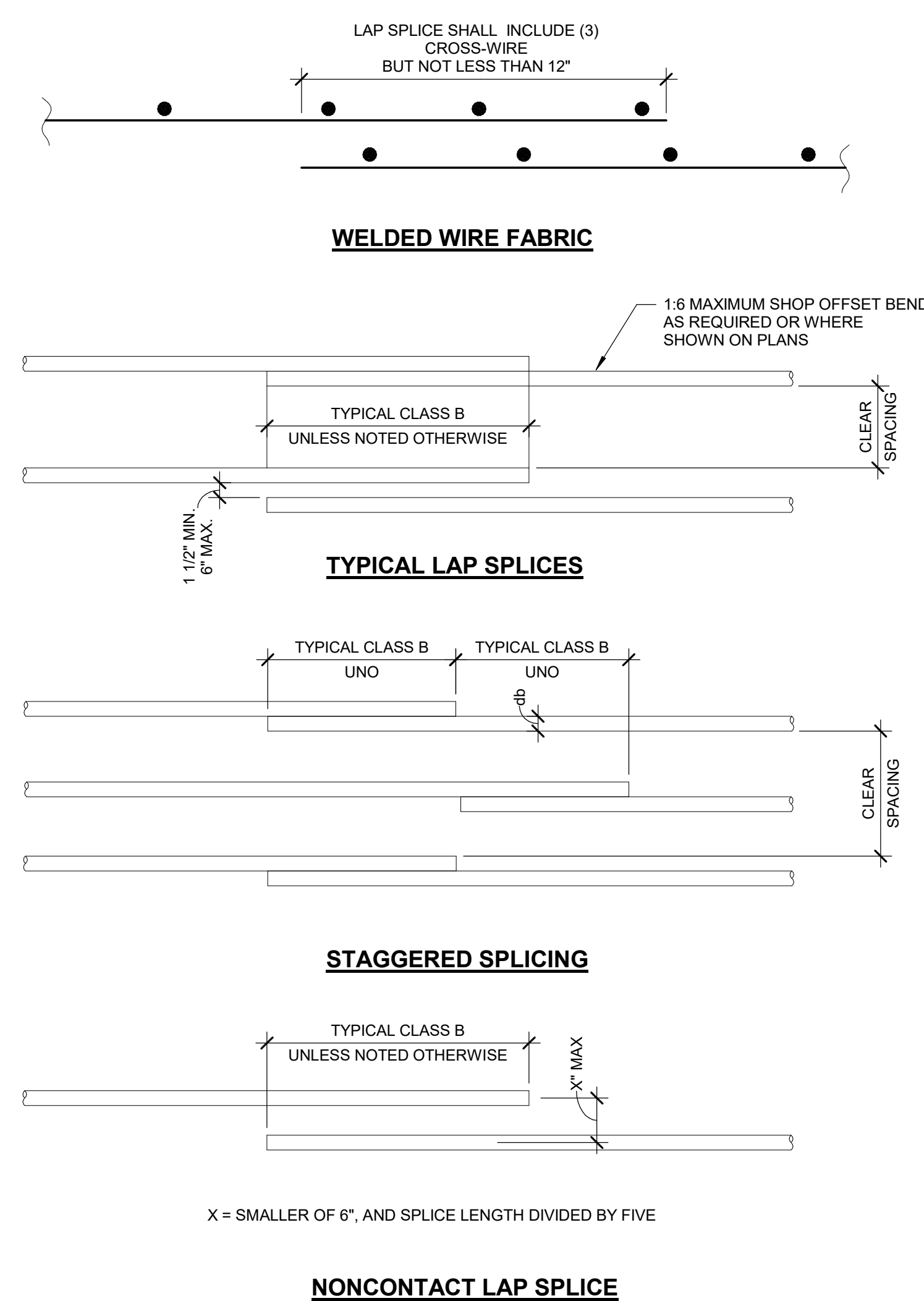
4 CORING & SLAB REPAIR DETAIL

SCALE : 1" = 1'-0"

		REINFORCING BAR TENSION LAP SCHEDULE											
		fc = 3,000 psi				fc = 4,000 psi				fc = 5,000 psi OR HIGHER			
BAR SIZE	LAP CLASS	NORMAL WEIGHT CONCRETE				NORMAL WEIGHT CONCRETE				NORMAL WEIGHT CONCRETE			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	1'-10"	2'-9"	1'-5"	2'-1"	1'-7"	2'-4"	1'-3"	1'-10"	1'-5"	2'-1"	1'-1"	1'-8"
	B	2'-4"	3'-6"	1'-10"	2'-9"	2'-1"	3'-1"	1'-7"	2'-4"	1'-10"	2'-9"	1'-5"	2'-1"
#4	A	2'-5"	3'-7"	1'-10"	2'-9"	2'-1"	3'-1"	1'-7"	2'-5"	1'-11"	2'-10"	1'-5"	2'-2"
	B	3'-2"	4'-8"	2'-5"	3'-7"	2'-9"	4'-1"	2'-1"	3'-1"	2'-5"	3'-8"	1'-11"	2'-10"
#5	A	3'-0"	4'-6"	2'-4"	3'-6"	2'-7"	3'-11"	2'-0"	3'-0"	2'-4"	3'-6"	1'-10"	2'-8"
	B	3'-11"	5'-10"	3'-0"	4'-6"	3'-5"	5'-1"	2'-7"	3'-11"	3'-0"	4'-8"	2'-4"	3'-6"
#6	A	3'-11"	5'-5"	2'-9"	4'-2"	3'-1"	4'-8"	2'-5"	3'-7"	2'-10"	4'-2"	2'-2"	3'-3"
	B	4'-8"	7'-0"	3'-7"	5'-5"	4'-1"	6'-1"	3'-1"	4'-8"	3'-8"	5'-5"	2'-10"	4'-2"
#7	A	5'-3"	7'-10"	4'-0"	6'-0"	4'-6"	8'-9"	3'-6"	5'-3"	4'-1"	6'-1"	3'-2"	4'-8"
	B	6'-9"	10'-2"	5'-3"	7'-10"	5'-11"	8'-10"	4'-6"	6'-9"	5'-3"	7'-11"	4'-1"	6'-1"
#8	A	6'-0"	8'-11"	4'-7"	6'-11"	5'-2"	7'-9"	4'-0"	6'-0"	4'-8"	6'-11"	3'-7"	5'-4"
	B	7'-9"	11'-8"	6'-0"	8'-11"	6'-9"	10'-2"	5'-2"	7'-9"	6'-0"	9'-0"	4'-8"	6'-11"
#9	A	6'-9"	10'-2"	5'-2"	7'-9"	5'-10"	8'-9"	4'-6"	6'-9"	5'-3"	7'-10"	4'-0"	6'-0"
	B	8'-9"	13'-2"	6'-9"	10'-2"	7'-7"	11'-5"	5'-10"	8'-9"	6'-9"	10'-2"	5'-3"	7'-10"
#10	A	7'-7"	11'-5"	5'-10"	8'-9"	6'-7"	9'-10"	5'-1"	7'-7"	5'-11"	8'-10"	4'-6"	6'-9"
	B	9'-10"	14'-9"	6'-7"	11'-5"	8'-6"	12'-9"	6'-7"	9'-10"	7'-8"	11'-5"	5'-11"	8'-10"
#11	A	8'-5"	12'-8"	6'-6"	9'-8"	7'-3"	10'-11"	5'-7"	8'-5"	6'-6"	9'-9"	5'-0"	7'-6"
	B	10'-11"	16'-4"	8'-5"	12'-8"	9'-6"	14'-2"	7'-3"	10'-11"	8'-5"	12'-8"	6'-6"	9'-9"

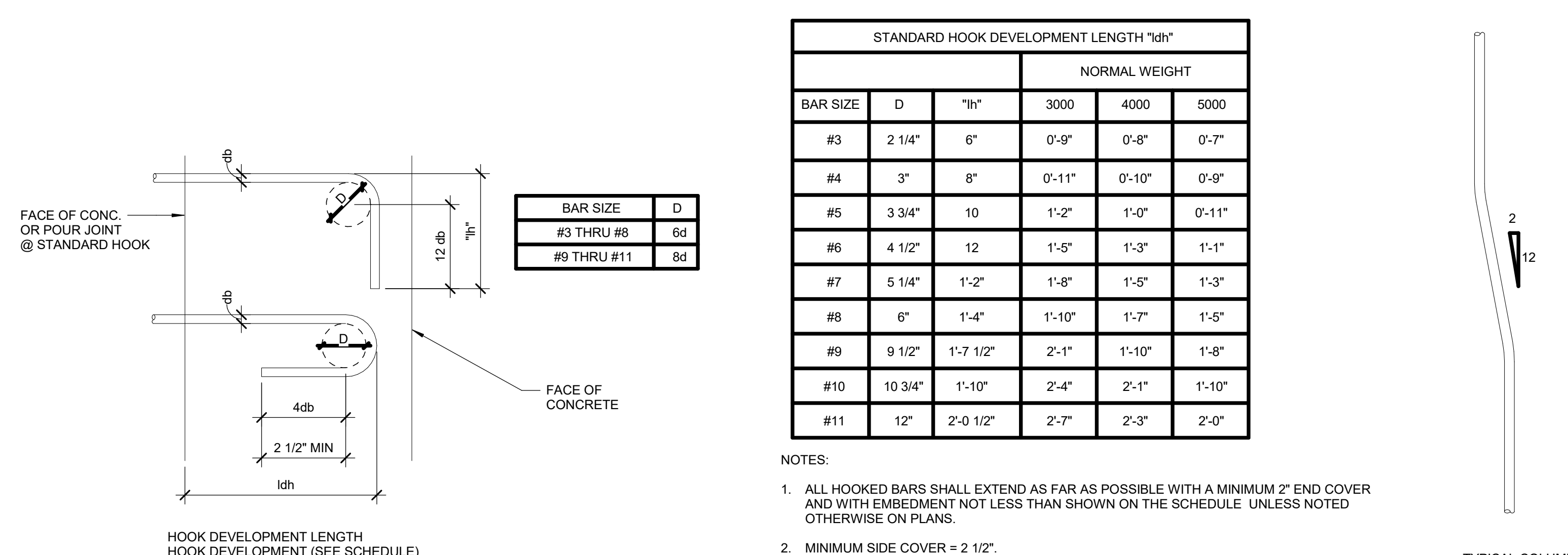
NOTES

1. BARS 1 AND 2 WHICH DEPEND ON CLEAR CONCRETE COVER AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:
CASE 1: COVER AT LEAST 1in. AND $c \leq$ SPACING AT LEAST 2in;
CASE 2: COVER LEAST 1in. AND $c \leq$ SPACING AT LEAST 2in. 2B5
2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
3. OTHER BARS INCLUDE VERTICAL BARS AND HORIZONTAL BARS WITH LESS THAN 12" OF CONCRETE CAST BELOW HORIZONTAL BARS.
4. BAR SPLICES NOT COVERED BY THIS SCHEDULE ARE SPECIFICALLY DETAILED AND DIMENSIONED ON PLANS.
5. ALL SPLICES SHALL BE CLASS "B" UNLESS NOTED OTHERWISE ON PLANS.
6. FOR DEVELOPMENT LENGTH, Ld, USE CLASS A LAP SPLICE LENGTH.
7. FOR SHEAR WALL REINFORCING MULTIPLY THE LENGTHS IN THE SCHEDULE BY 1.25
8. FOR LIGHTWEIGHT CONCRETE, MULTIPLY LENGTHS IN SCHEDULE BY 1.33.



1 DEVELOPMENT AND SPLICES OF CONCRETE REINFORCING BARS

SCALE : 1" = 1'-0"



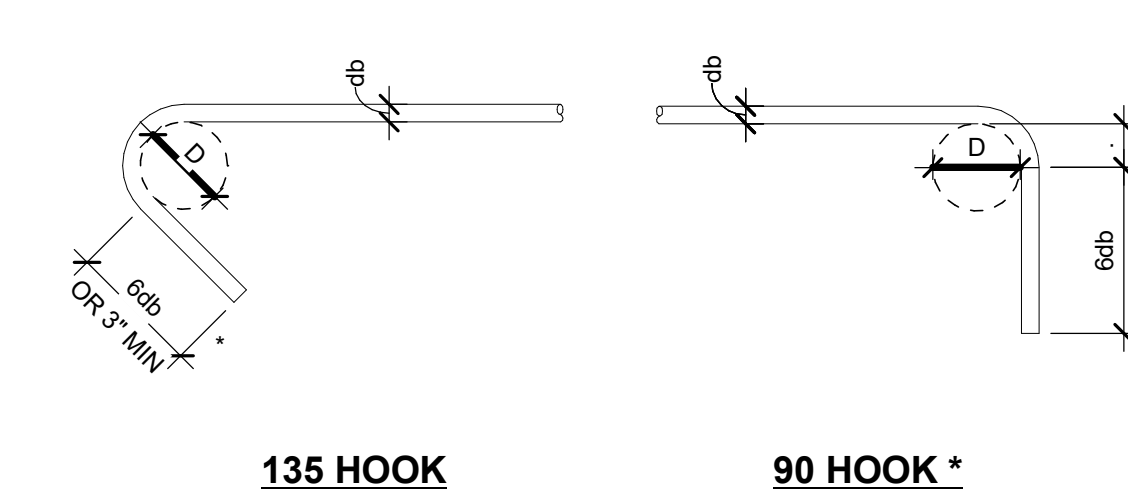
② STANDARD HOOK DEVELOPMENT LENGTH BENDING DETAIL

SCALE: 1" = 41.0'

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Ali Pourghashegher
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specification SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

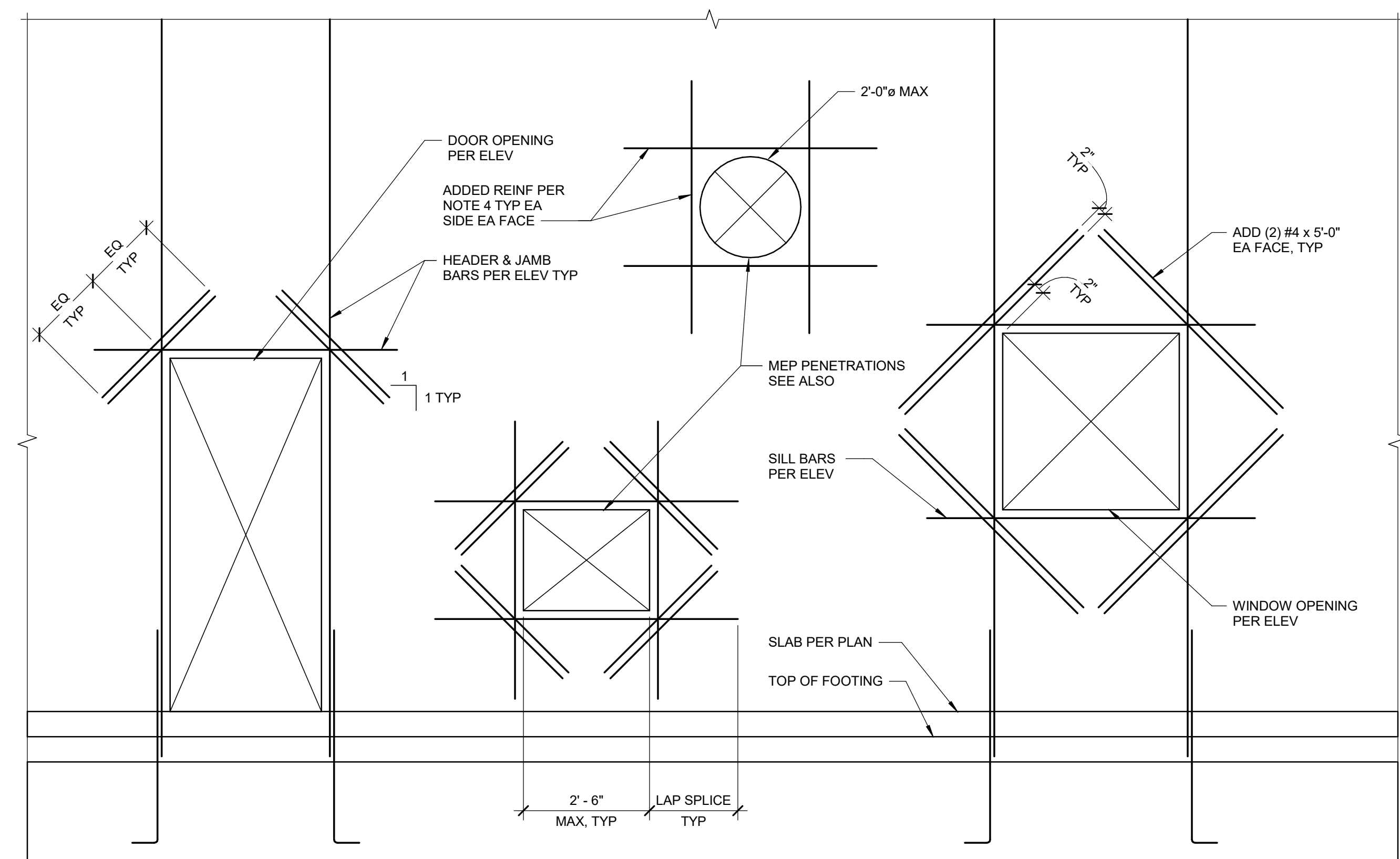


135 HOOK

90 HOOK *

BAR SIZE	D
#3	1 1/2"
#4	2"
#5	2 1/2"

* PROVIDE 10db EXTENSIONS IN LIEU OF 6db AT ALL FRAME COLUMNS, GIRDERS, SHEAR WALLS AND SHEAR WALL BOUNDARY MEMBERS.



5 MINIMUM ADDED TRIM REINFORCEMENT @ WALL OPENINGS

SCALE : 1/2" = 1'-0"

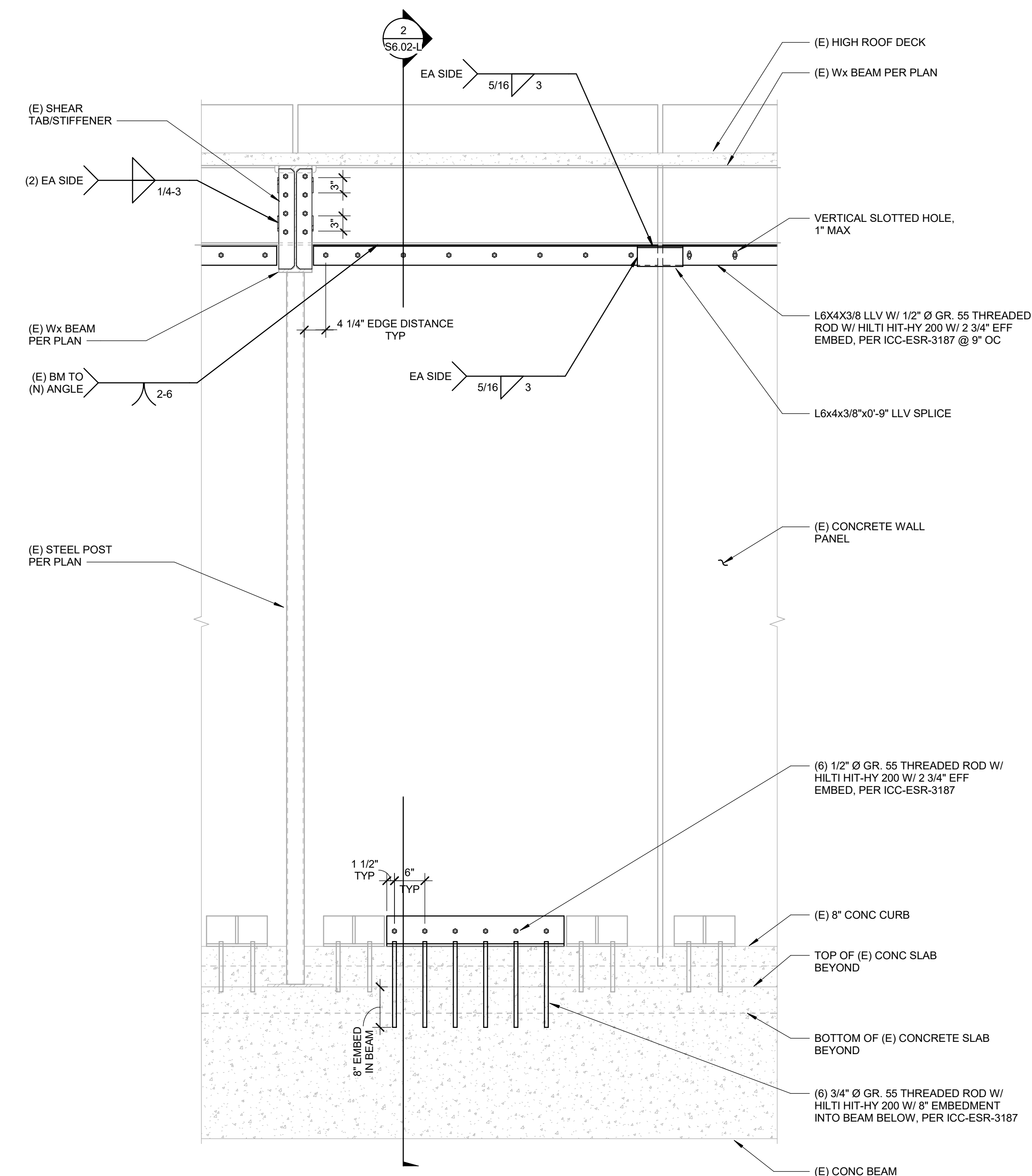
3 TIES & STIRRUPS DETAIL

SCALE: 1" = 1'-0"

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Ati Pourazhahagheh
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

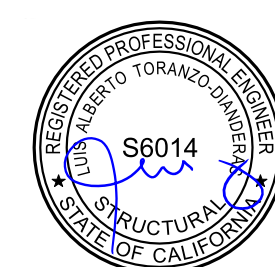


CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



CONCRETE
SECTION AND
ELEVATION

MARK DATE DESCRIPTION
CSG CONSULTANTS, INC.
 THESE PLANS AND DETAILS ARE
REVIEWED FOR
CODE COMPLIANCE

THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By Chen K.

Date 2/23/2023

Drawing No:

S6.02-L

SECTION AT LOUVER
SCALE : 3/4" = 1'-0"

2 SECTION
SCALE: 3/4" = 1'-0"

1 ELEVATION
SCALE : 3/4" = 1'-0"

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

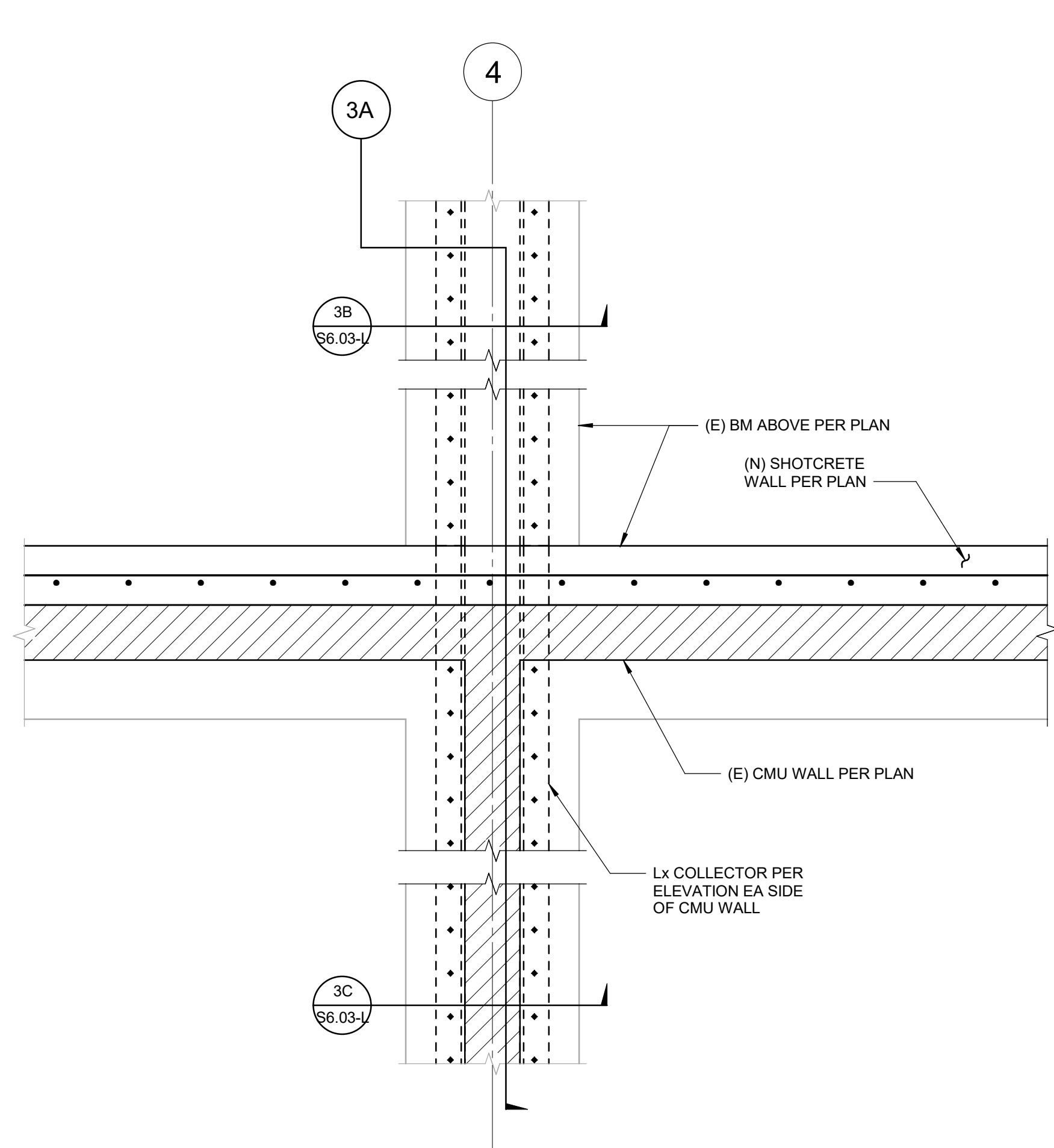
PERMIT SET
KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



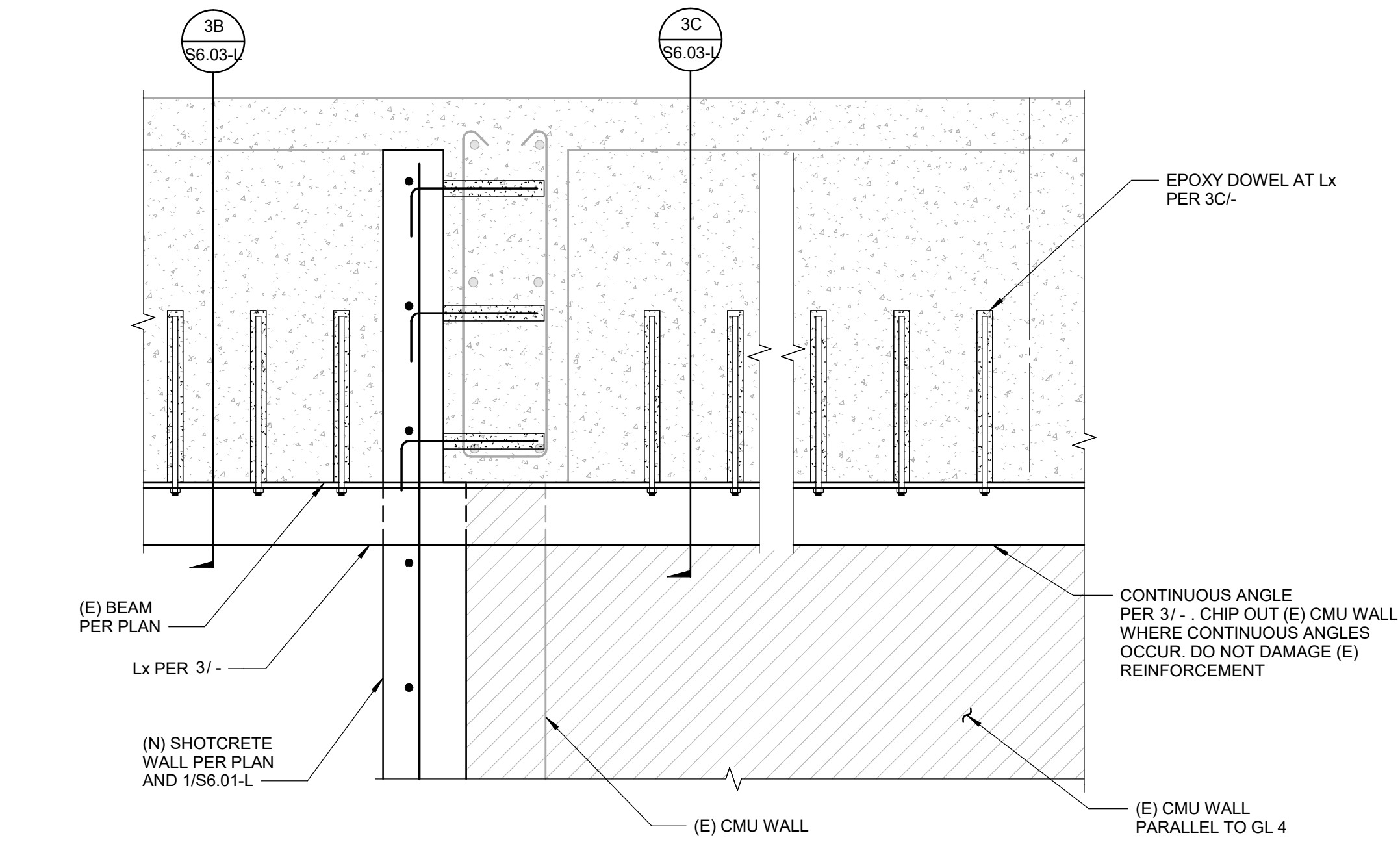
**CONCRETE
DETAILS**

**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR VIOLATION OF ANY CODE OR ORDINANCE.
By *[Signature]*
Date *2/23/2023*
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

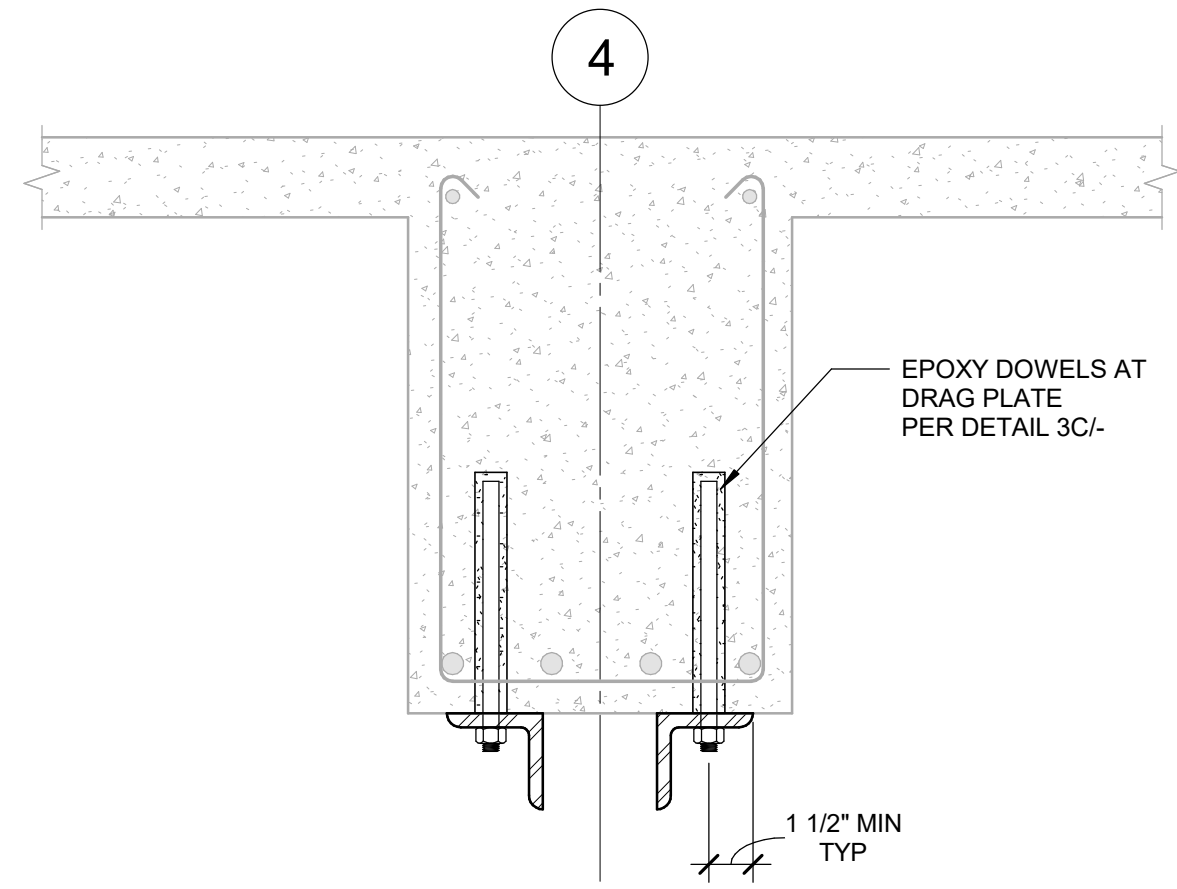
Drawing No:
S6.03-L



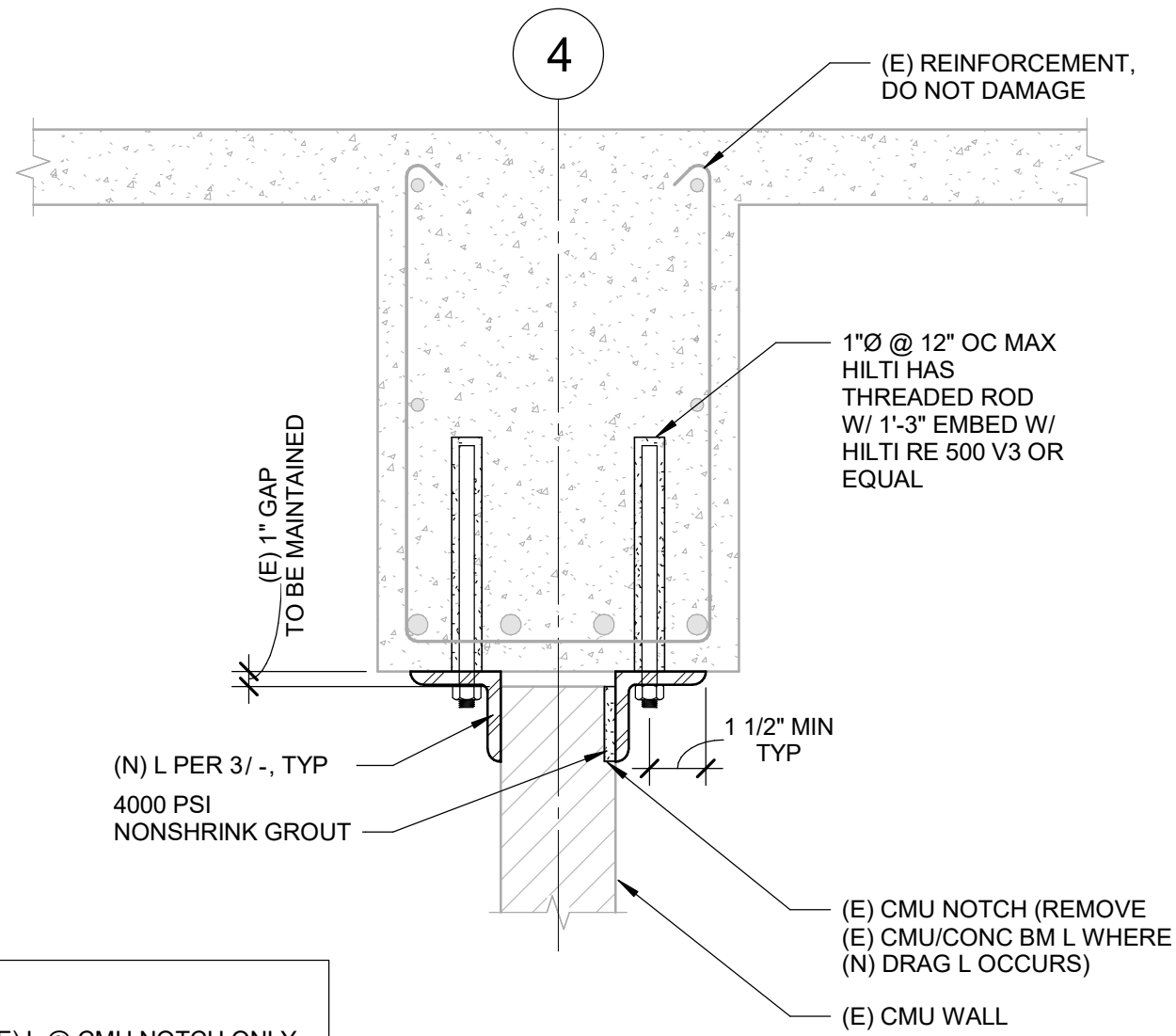
3A SECTION
1" = 1'-0"



3A SECTION
1" = 1'-0"

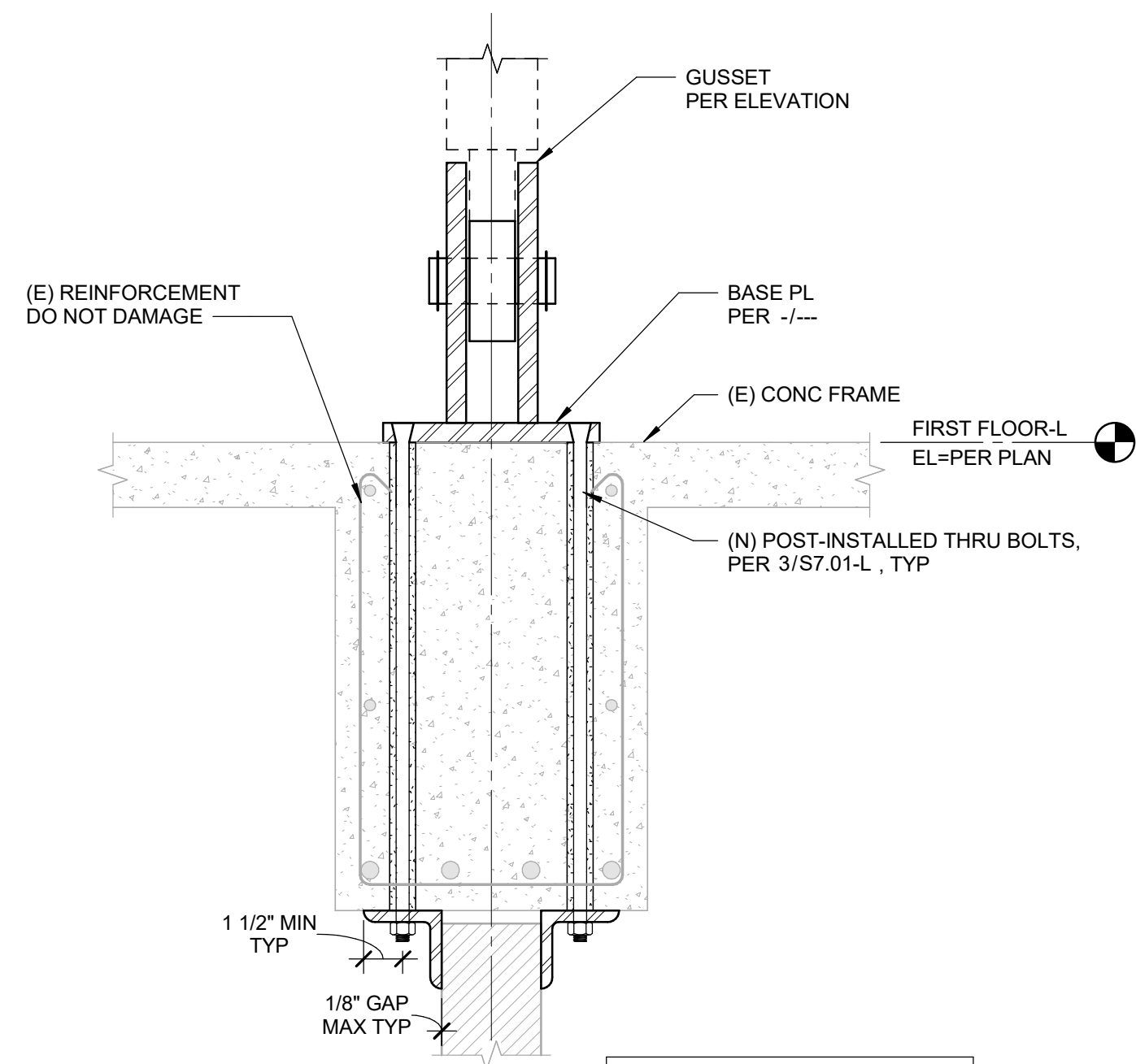


3B SECTION
1" = 1'-0"



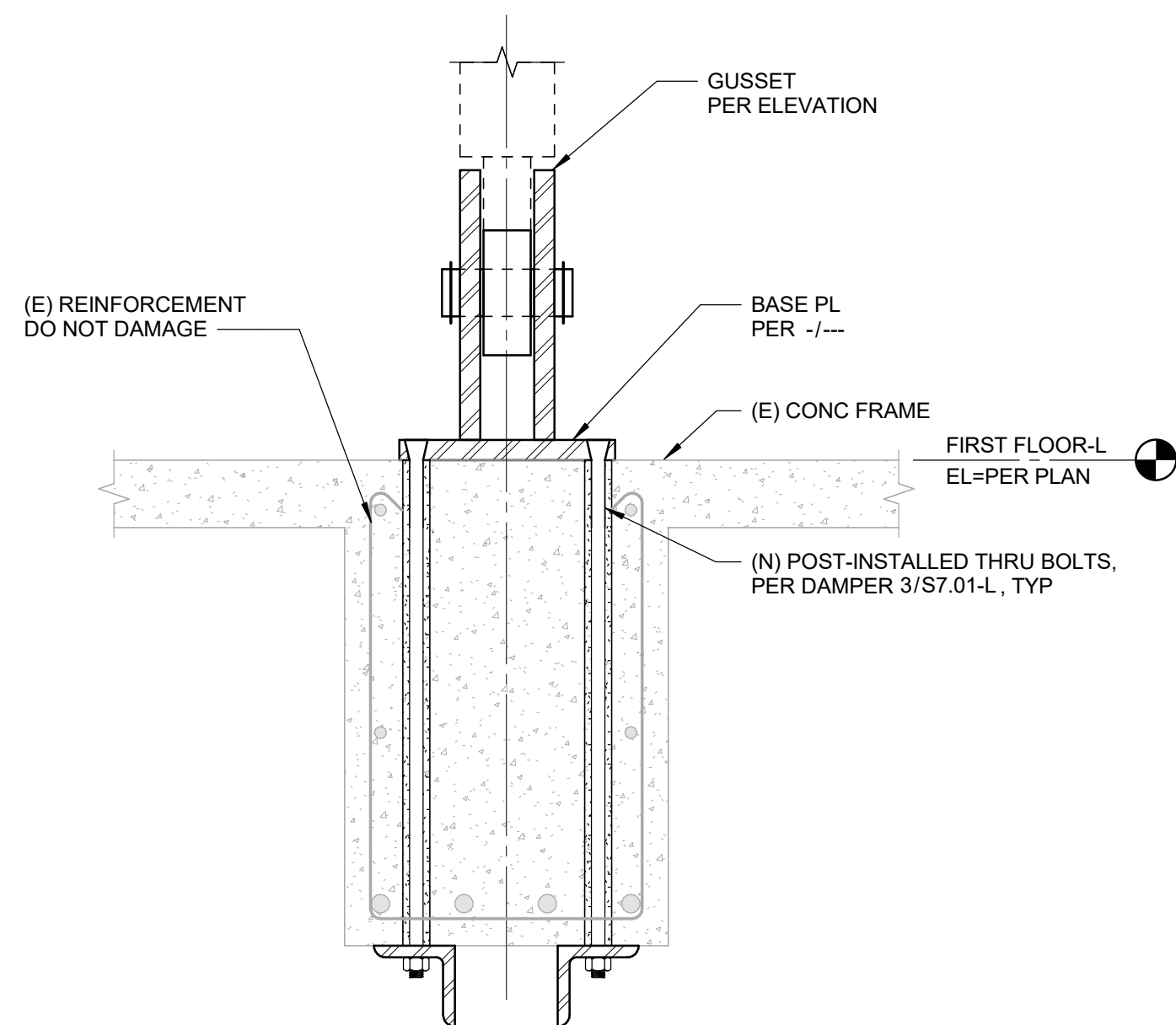
3C SECTION
1" = 1'-0"

NOTE:
REMOVE (E) L @ CMU NOTCH ONLY
WHERE NEW L OCCURS.



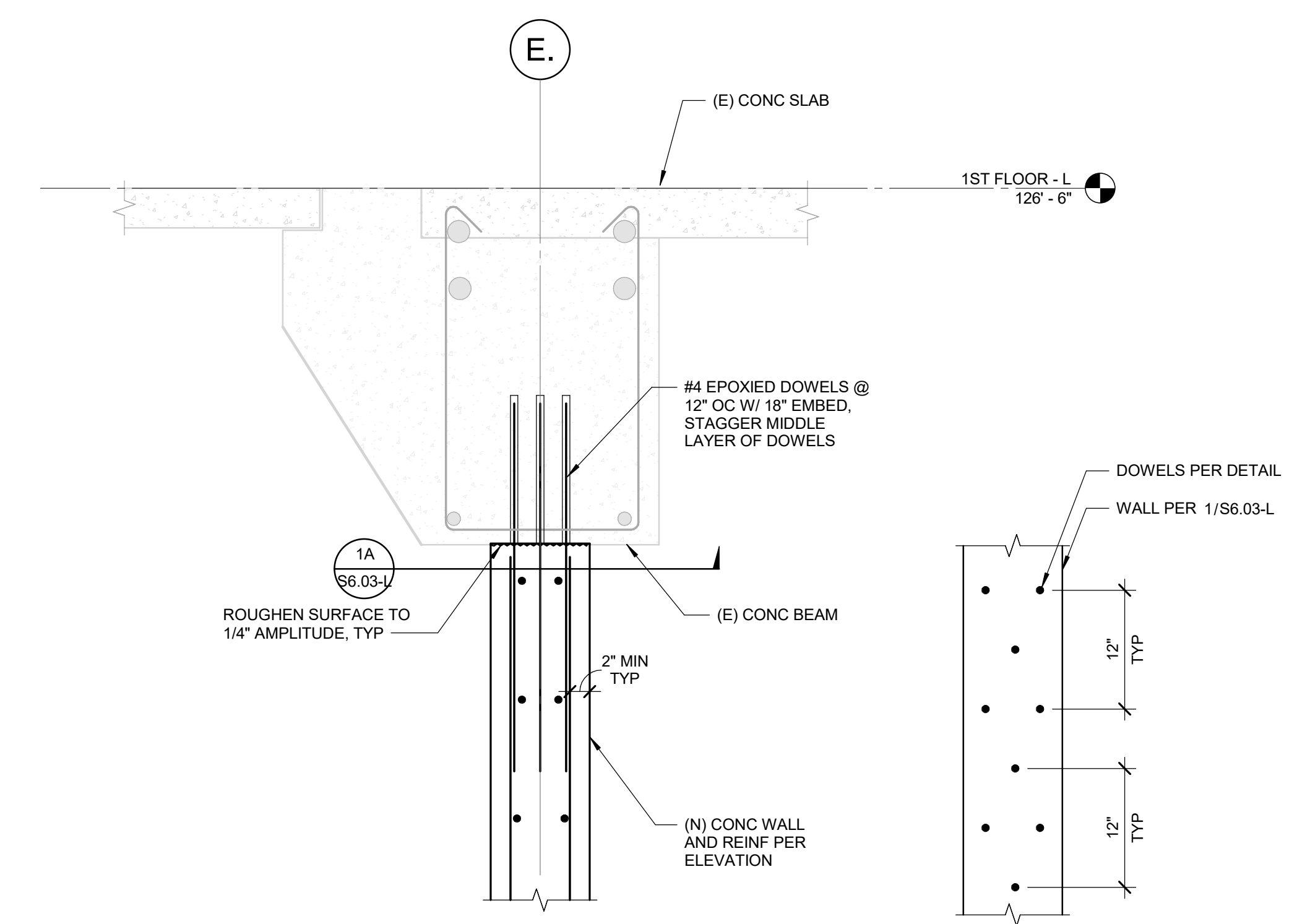
3D SECTION
1" = 1'-0"

NOTE:
SEE 3C-1 FOR BALANCE OF INFO.



3E SECTION
1" = 1'-0"

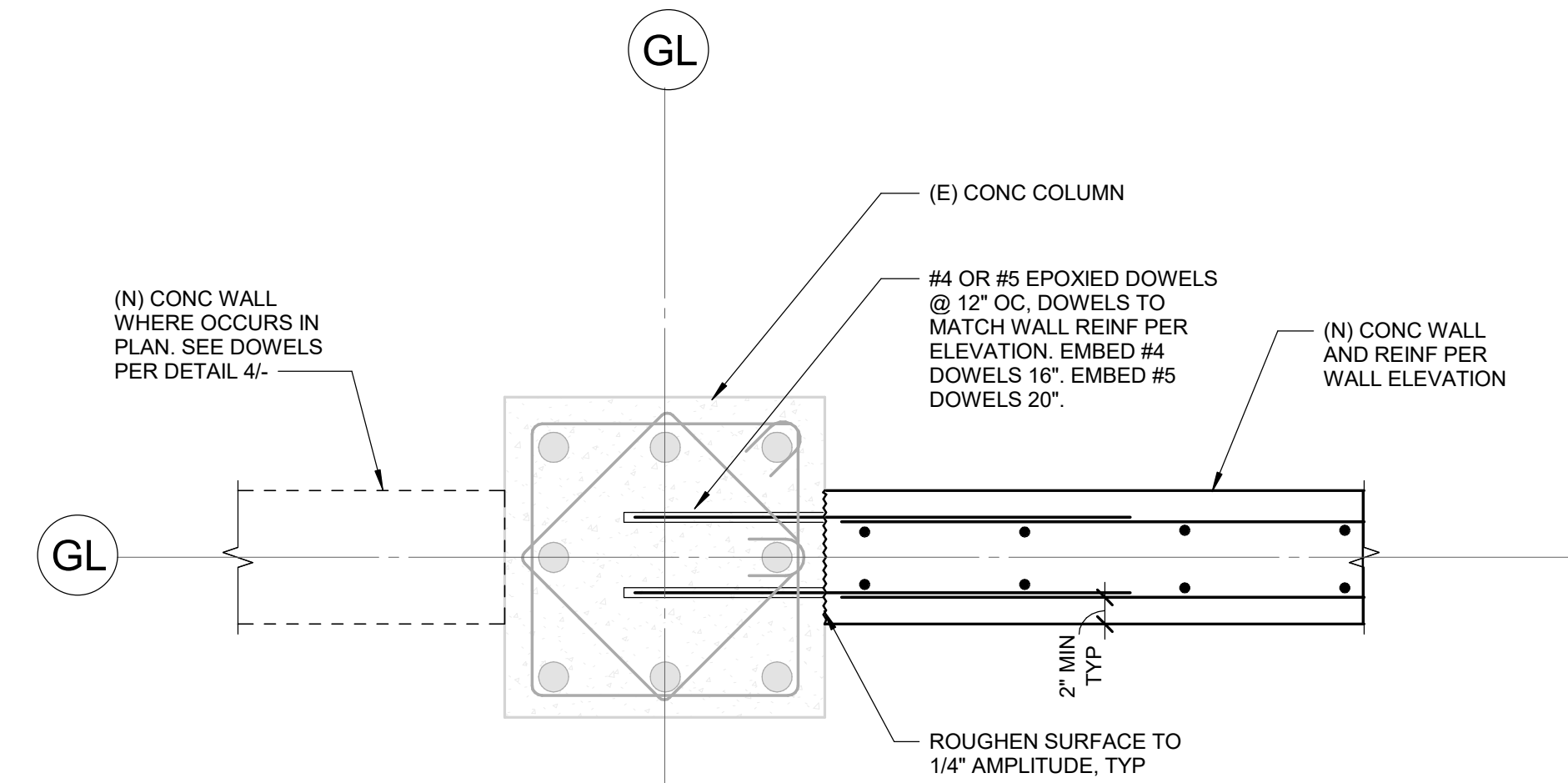
NOTE:
SEE 3D-1 FOR BALANCE OF INFO.



1A DOWEL SPACING

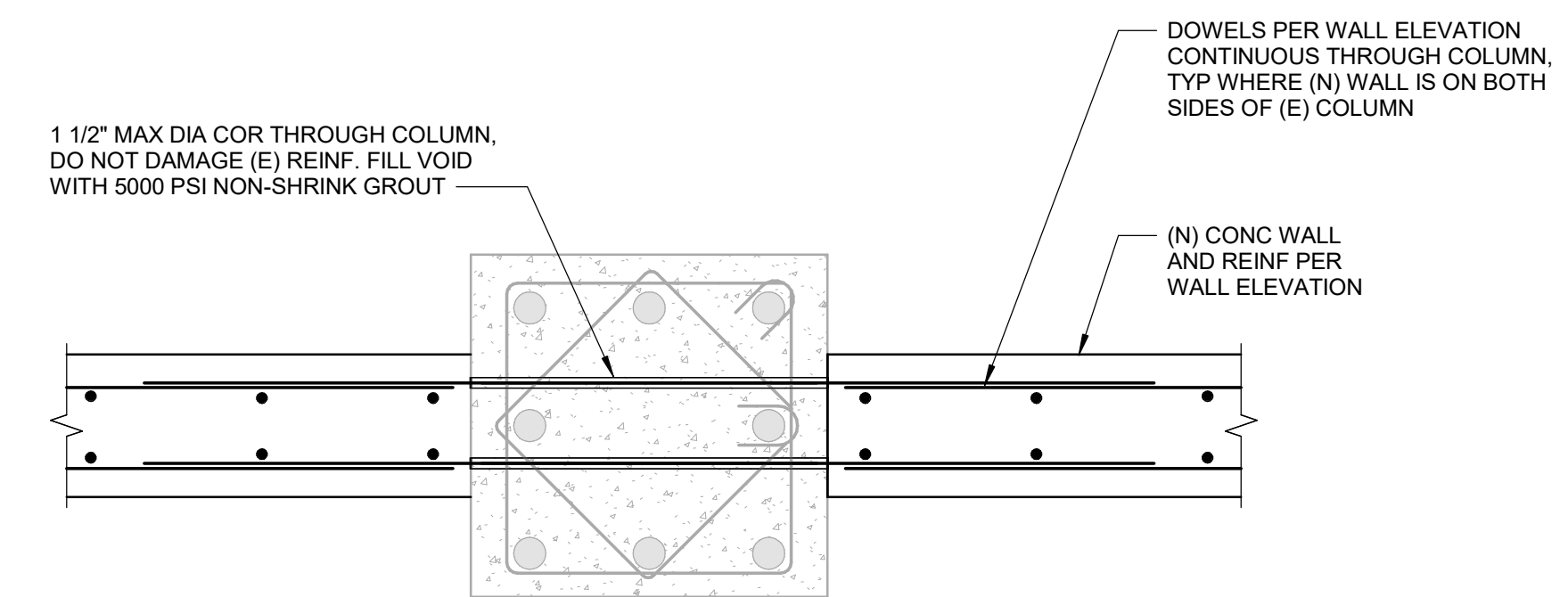
NOTES:
1. LOCATE (E) REINFORCEMENT PRIOR TO (N) POST-INSTALLED ANCHORS USING NON-DESTRUCTIVE METHODS.
2. DO NOT CUT OR DAMAGE (E) REINFORCEMENT.
3. ALL EPOXY IS TO BE HILTI HIT-RE500 V3 (ICC ESR-3814) OR EQUAL.
4. PULL TEST 25% OF #4 DOWELS.
5. PULL TEST #4 DOWELS TO 9600 LBS.

1 DOWELS AT (N) WALL / (E) BEAM DETAIL
SCALE: 1" = 1'-0"



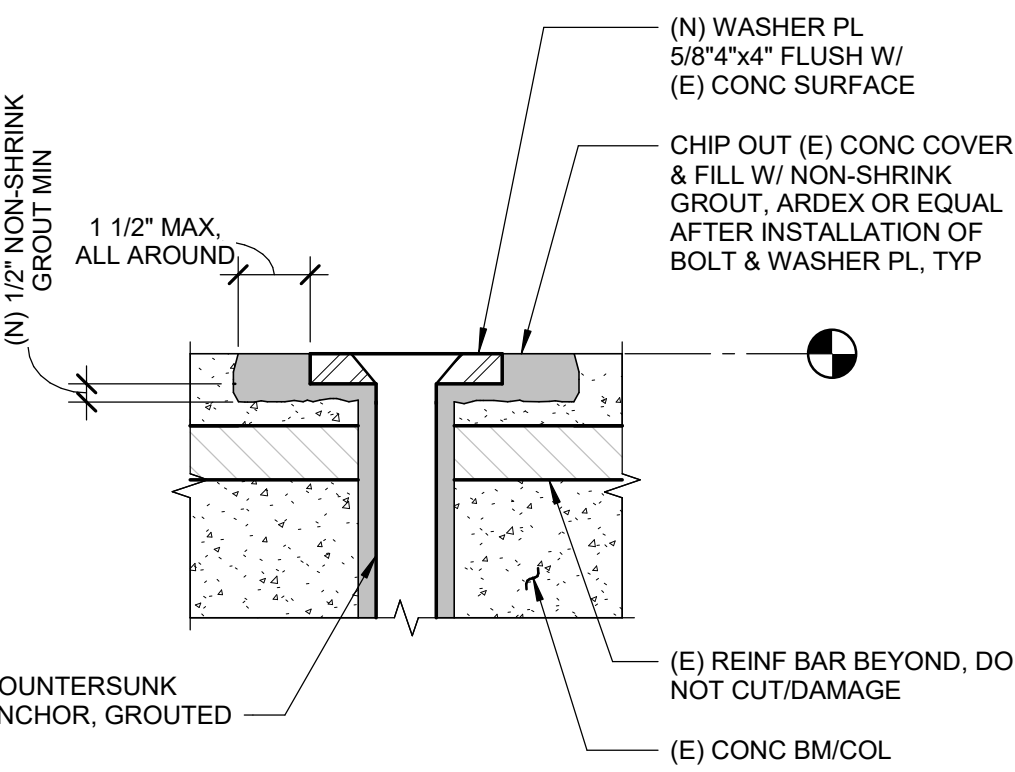
NOTES:
1. LOCATE (E) REINFORCEMENT PRIOR TO (N) POST-INSTALLED ANCHORS USING NON-DESTRUCTIVE METHODS.
2. DO NOT CUT OR DAMAGE (E) REINFORCEMENT.
3. ALL EPOXY IS TO BE HILTI HIT-RE500 V3 (ICC ESR-3814) OR EQUAL.
4. PULL TEST 100% OF DOWELS.
5. PULL TEST #4 DOWELS TO 9600 LBS.
6. PULL TEST #5 DOWELS TO 14900 LBS.

2 DOWELS AT (N) WALL / (E) COL DETAIL
SCALE: 1" = 1'-0"



4 DOWELS AT (N) WALLS / (E) COL DETAIL
SCALE: 1" = 1'-0"

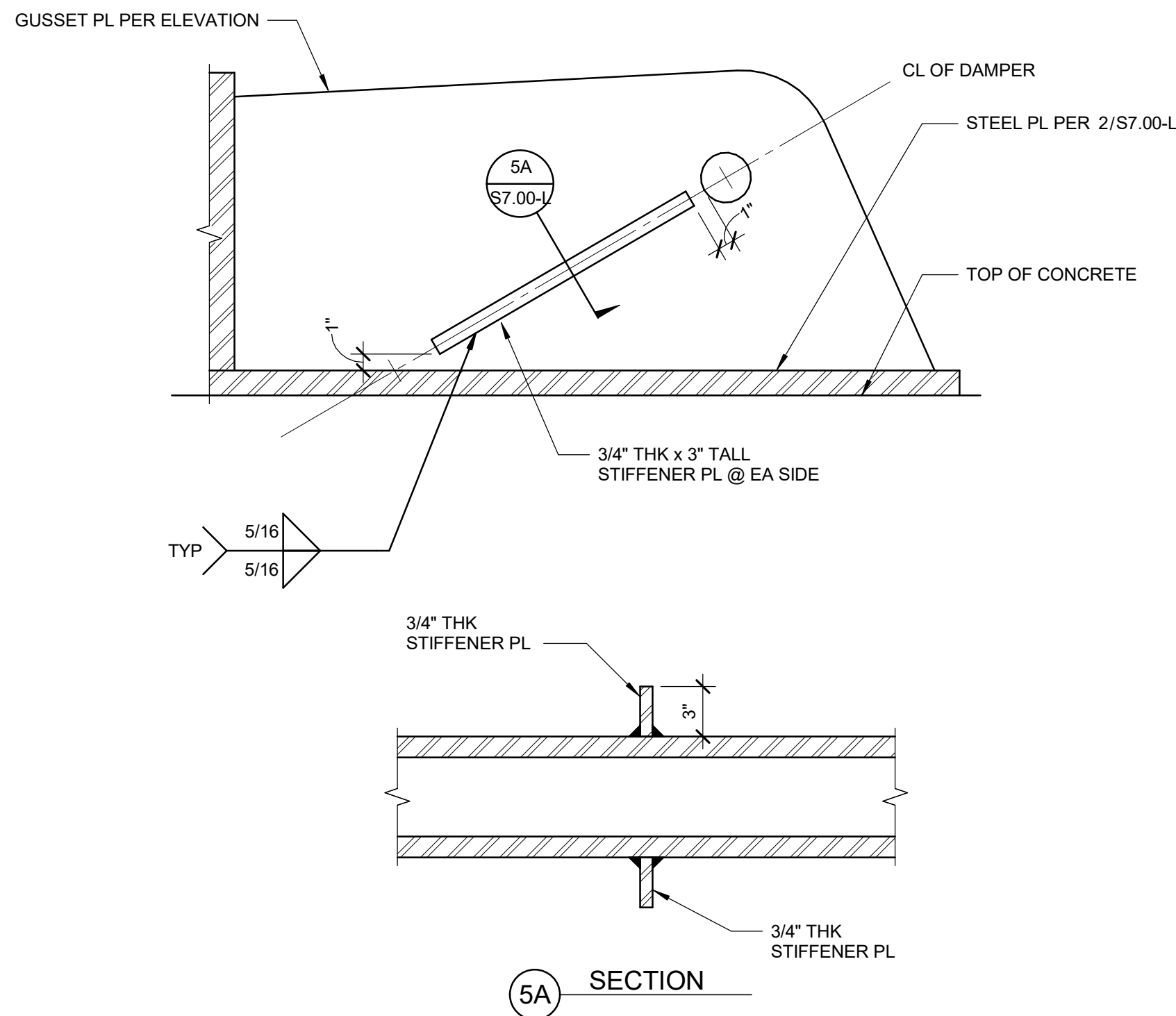
3 DRAG AT GRID LINE 4
SCALE: 3/4" = 1'-0"



COUNTERSUNK BOLT DETAILS W/ WASHER PLATE

SCALE : 3" = 1'-0"

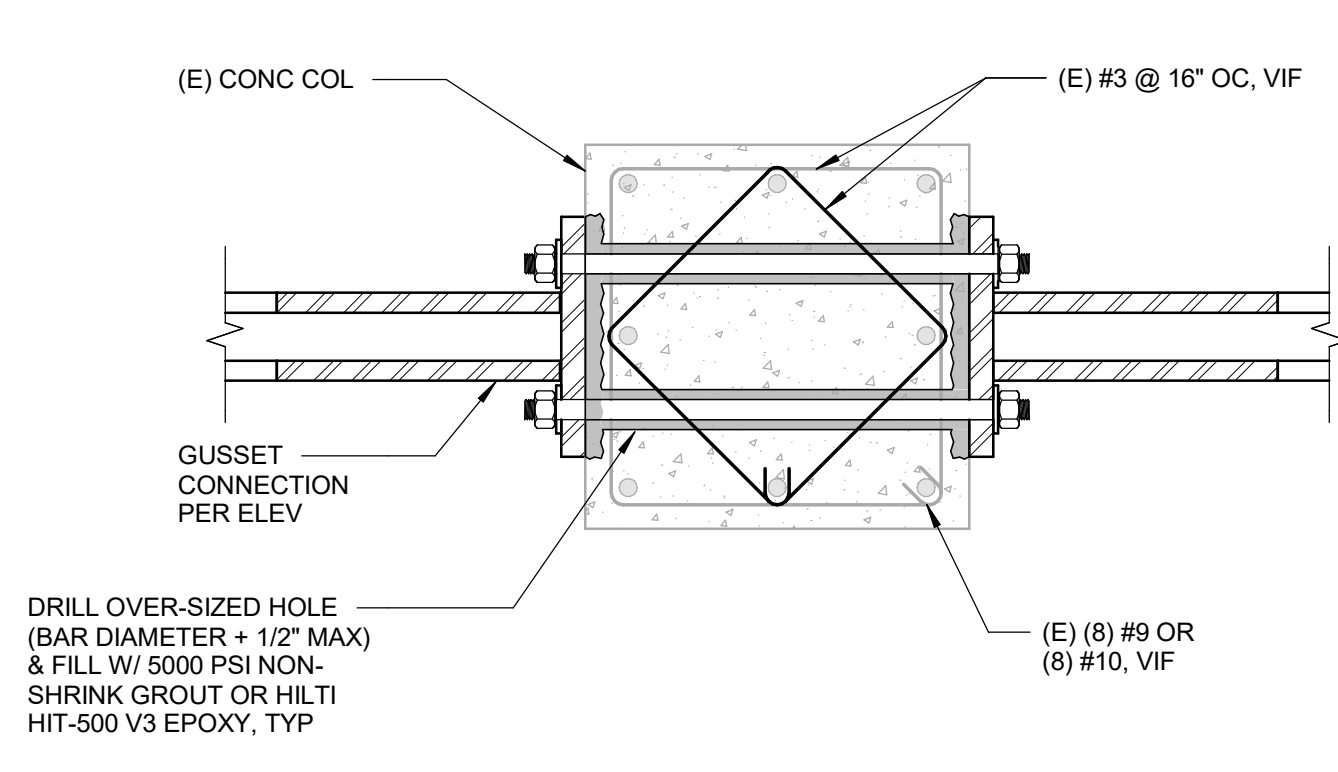
4



STIFFENER DETAIL AT (N) GUSSET PL

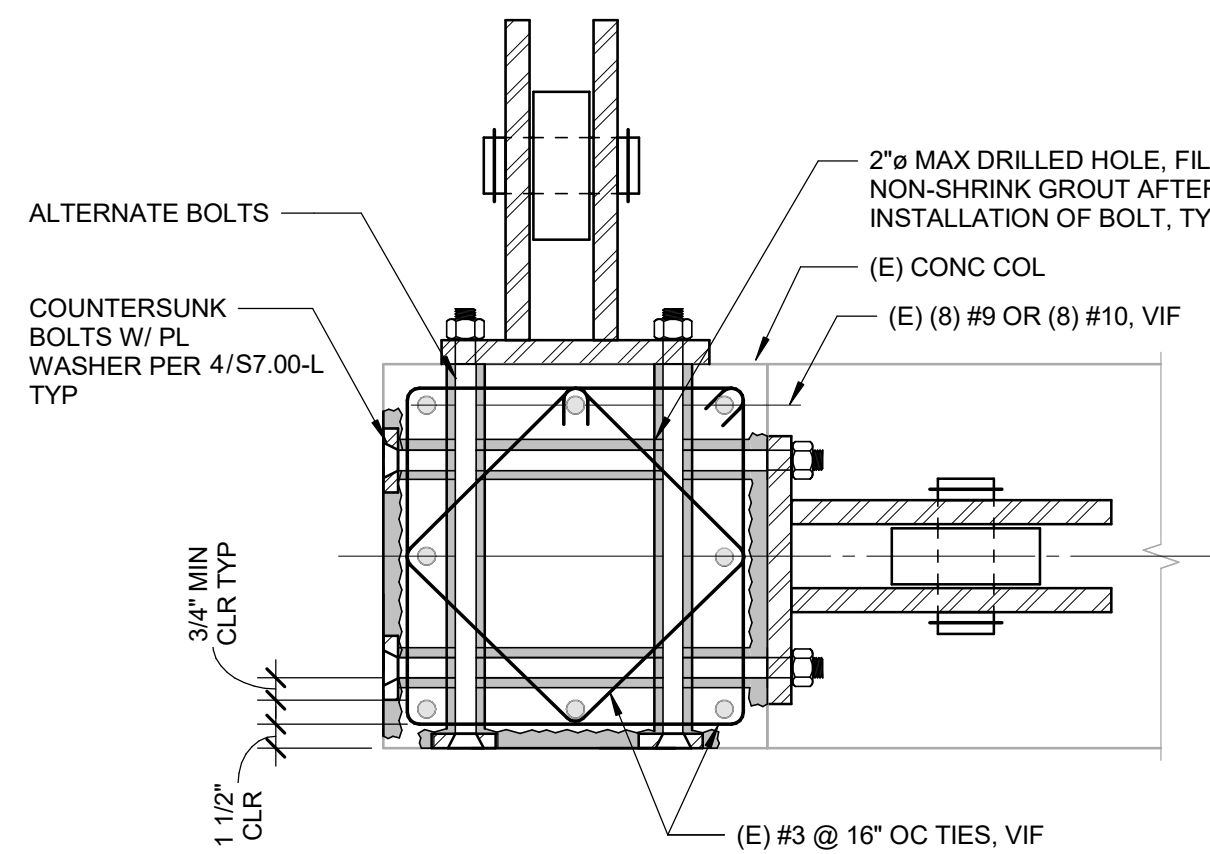
SCALE : 1 1/2\" = 1'-0"

5



NOTE:
DAMPER ASSEMBLY NOT SHOWN FOR CLARITY

3A 24" x 24" COL



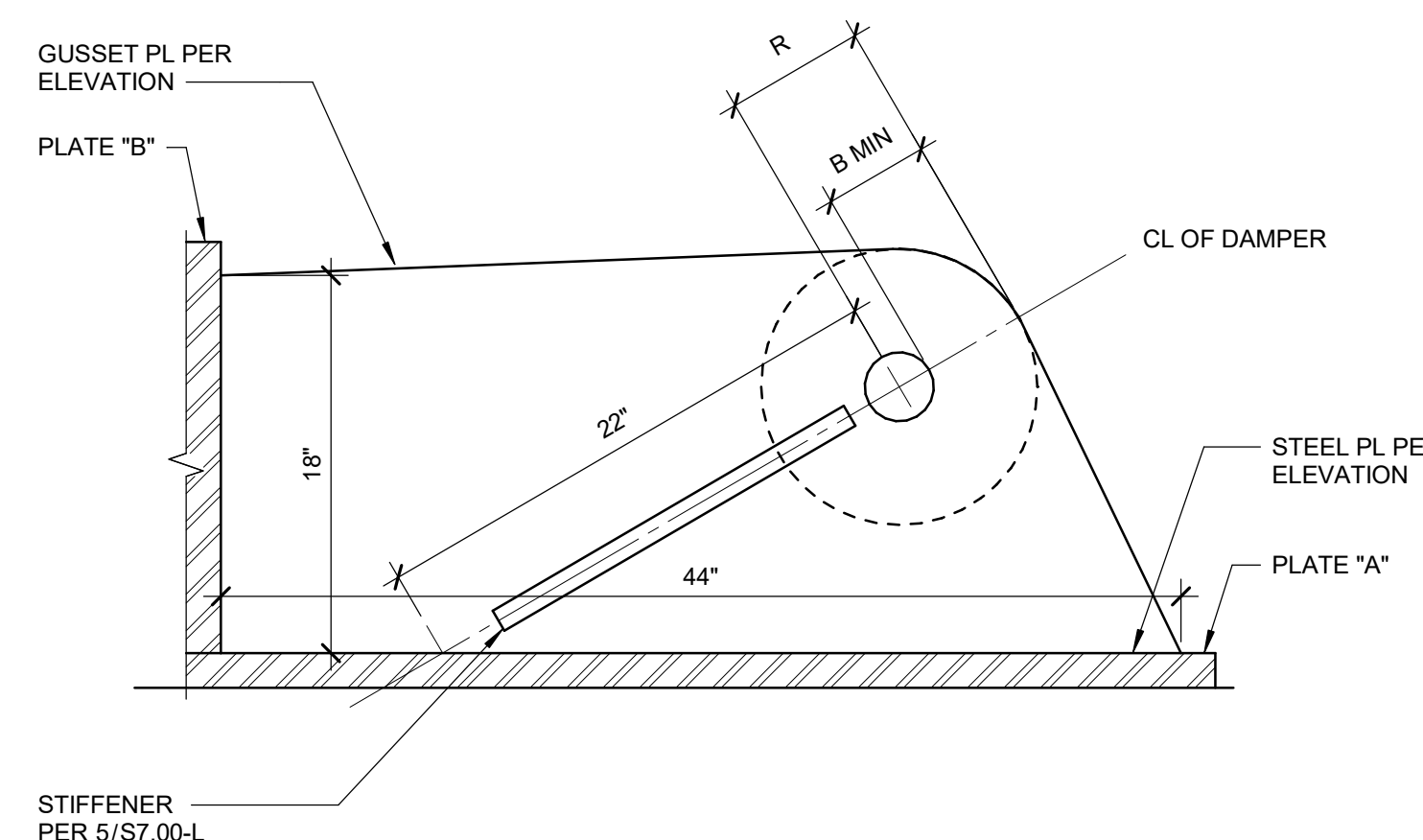
NOTE:
DAMPER ASSEMBLY NOT SHOWN FOR CLARITY

3B 24"x24" COL (CORNER CONDITION)

TYPICAL GUSSET PLATE CONNECTION AT (E) COLUMN

SCALE : 1" = 1'-0"

3



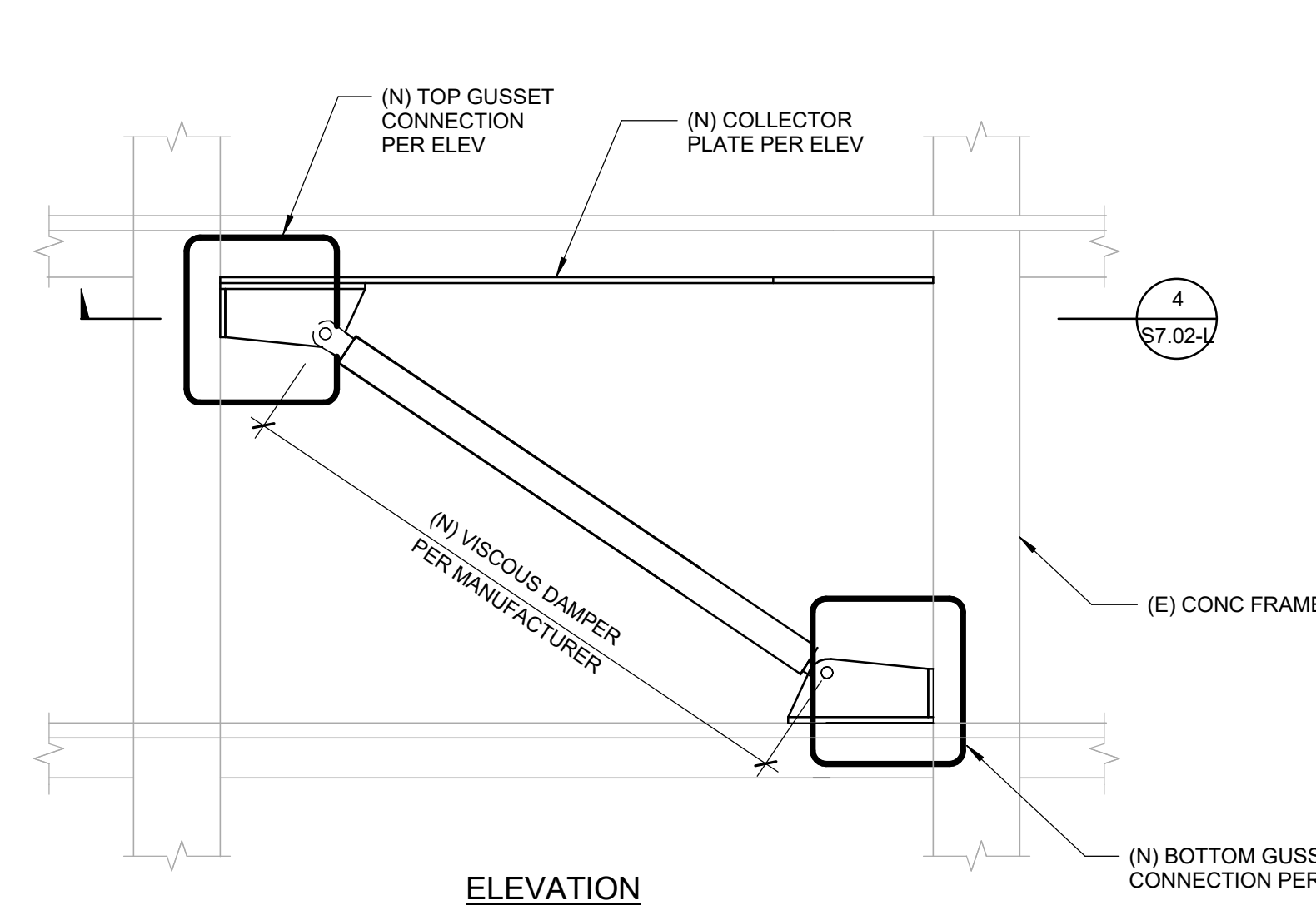
NOTE:
SEE DETAIL 1/S7.00-L
FOR R AND B MIN DIMENSIONS.

2C GUSSET ELEVATION

TYP GUSSET PLATE CONN. DETAIL AT (E) BEAM

SCALE : 1 1/2\" = 1'-0"

2



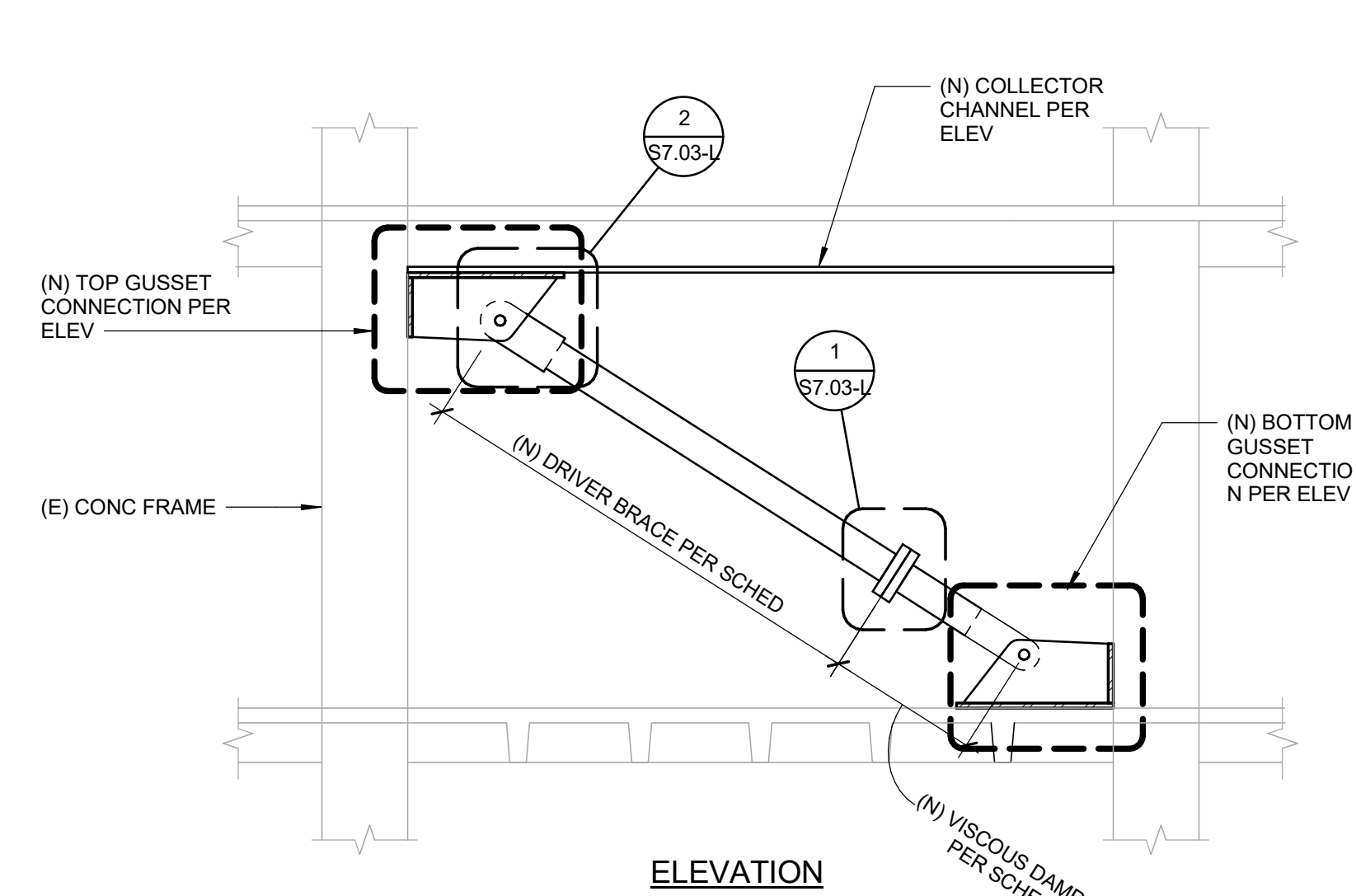
NOTES FOR THIS CONFIGURATION:
1. DAMPER SHALL BE INTEGRAL DAMPER FOR FULL LENGTH ACROSS BAY. FURNISHED BY DAMPER MNUFACTURER.

1B VISCOUS INTEGRAL DAMPER

FLOOR LEVEL	DAMPER PROPERTIES									DRIVER BRACE PROPERTIES		GUSSET PLATE PROPERTIES	
	DAMPING COEFFICIENT	NUMBER OF DAMPERS	VELOCITY EXPONENT	BSE-2E DAMPER DEMANDS						DRIVER BRACE	COTTER PIN DIAMETER (IN)	R (IN)	B MIN (IN)
	C (KIP-SEC/IN)	N	ALPHA	NOMINAL DAMPER FORCE (KIPS)1	MAX DAMPER FORCE (KIPS)2	NOMINAL DAMPER VELOCITY (IN/SEC)3	MAX DESIGN VELOCITY (IN/SEC)4	NOMINAL DAMPER STROKE (IN)5	MAX DAMPER DESIGN STROKE (IN)6				
3	70.0	16	0.4	161.6	206.4	8.1	11.8	2.8	3.6	HSS9.625X.312	2.75	4.88	3.50
2	107.0	16	0.4	254.3	324.8	8.7	12.6	3.4	4.4	HSS9.625X.500	3.00	5.00	3.50
1	141.0	16	0.4	328.0	419.0	8.3	11.7	2.7	3.5	HSS10X.625	3.50	6.00	4.25

NOTES:

1. NOMINAL DAMPER FORCE IS THE MAX AVERAGE FORCE OBTAINED FROM A MODEL WITH NOMINAL DAMPER PROPERTIES.
2. $P = P_{NOMINAL} * 1.15 * 1.3^{0.4}$
3. $V = (P_{NOMINAL} / C)^{10.4}$
4. $V_{DESIGN} = V_{18} * 1.3$. V_{18} OBTAINED AS MAX AVERAGE VELOCITY FROM A MODEL WITH LOWER BOUND DAMPER PROPERTIES.
5. NOMINAL DAMPER STROKE IS THE MAXIMUM STROKE OBTAINED FROM A MODEL WITH LOWER BOUND DAMPER PROPERTIES.
6. $S_{DESIGN} = S_{NOMINAL} * 1.3$.



NOTES FOR THIS CONFIGURATION:
1. DRIVER BRACE SHALL BE FURNISHED BY CONTRACTOR.

1A VISCOUS DAMPER WITH BASE PLATE CONFIGURATION

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

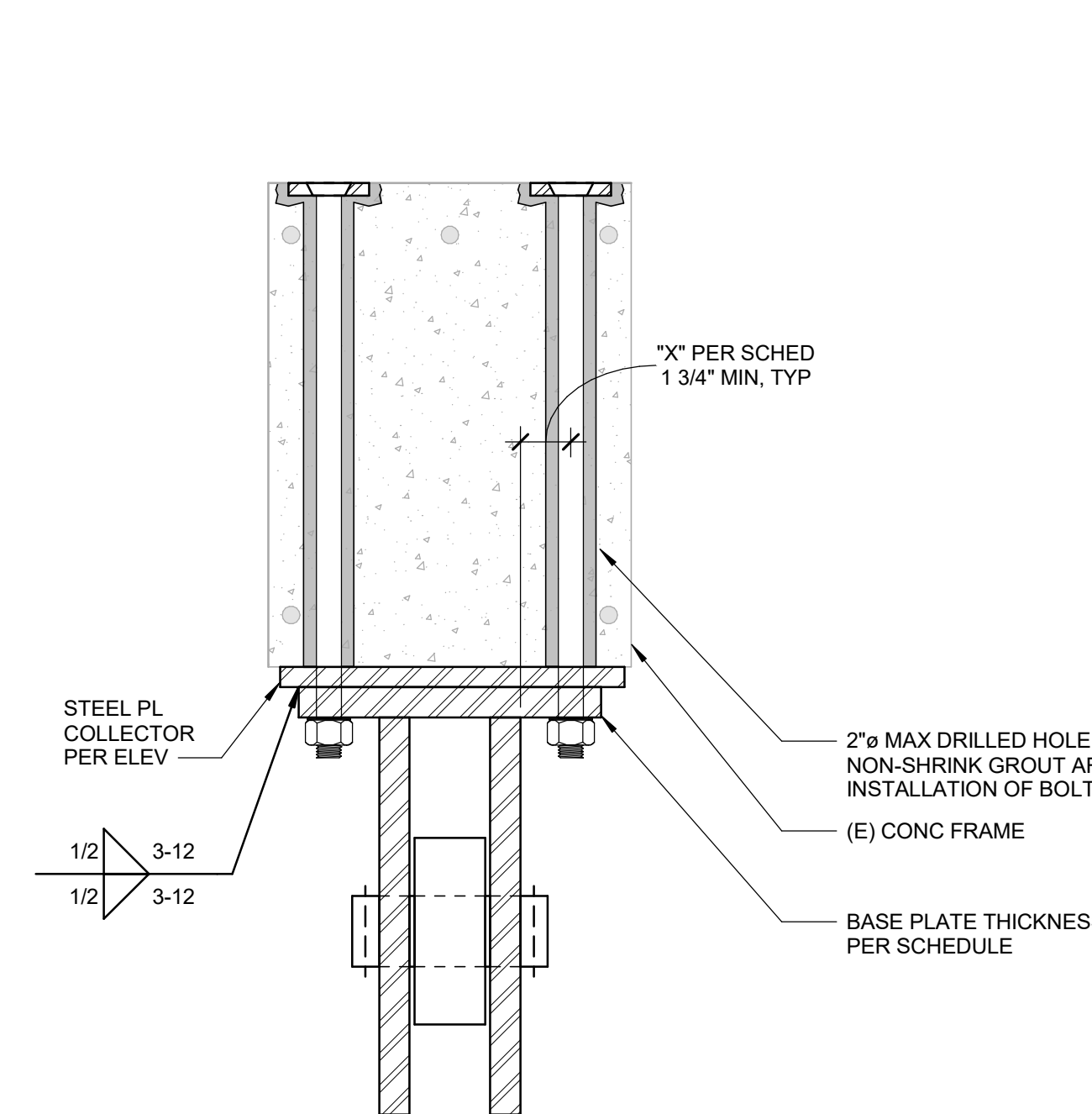
By *Ed Pawasataghu*
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

1 DAMPER ASSEMBLY SCHEDULE

SCALE : NTS

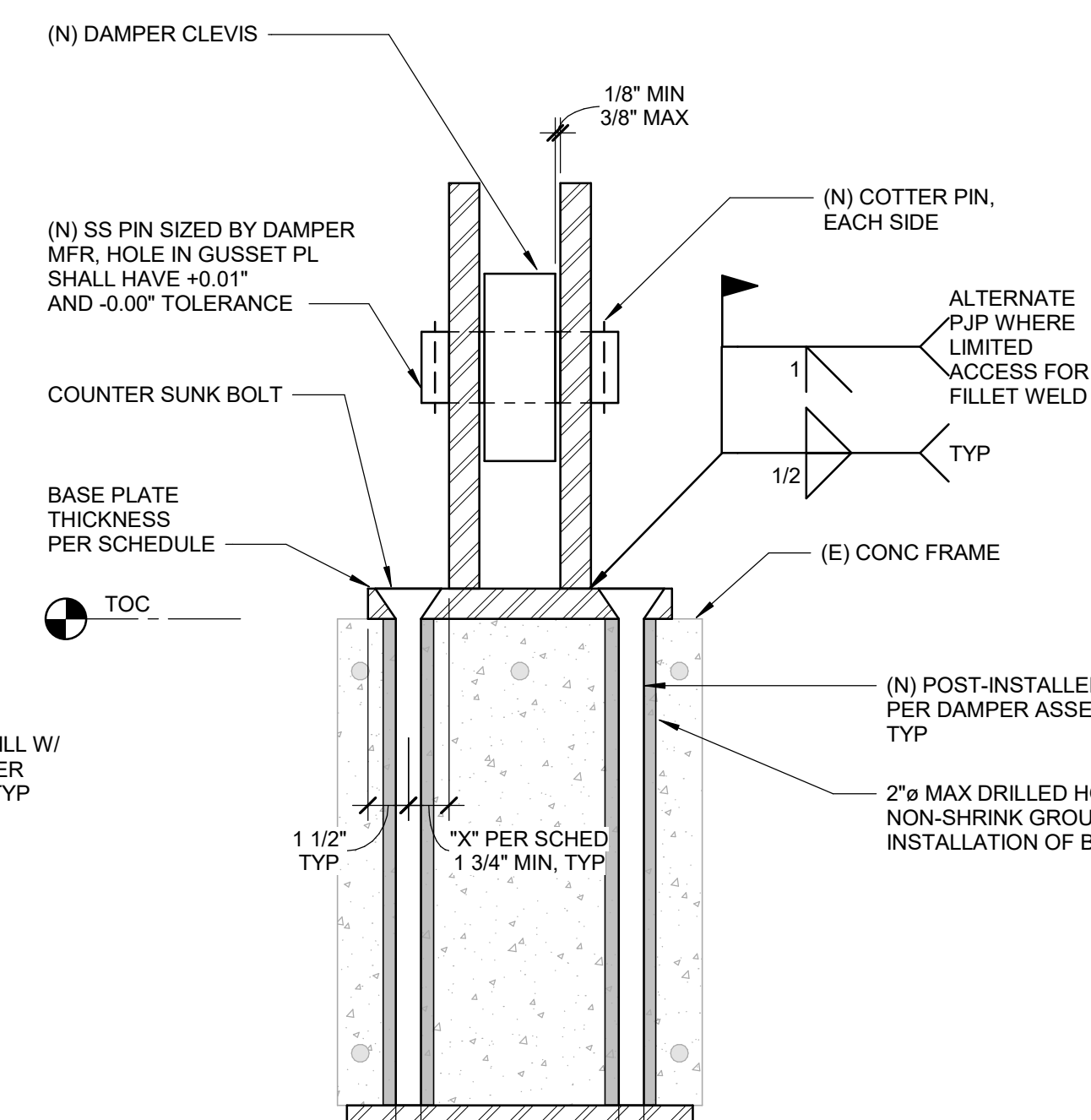
1



NOTE:

1. SEE DETAIL 2A/S7.00-L FOR BALANCE OF INFORMATION.
2. "X" TO BE DETERMINED BY CONTRACTOR BASED ON EXISTING CONDITIONS TO PREVENT DAMAGE TO EXISTING BEAM REBAR.

2B SECTION



NOTE:
"X" TO BE DETERMINED BY CONTRACTOR BASED ON EXISTING CONDITIONS TO PREVENT DAMAGE TO EXISTING BEAM REBAR.

2A SECTION

SCHEDULE	
DIM "X"	PLATE THICKNESS "I"
2 1/2" MAX	1 1/4"
3 1/2" MAX	1 1/2"
4 1/2" MAX	1 3/4"

kpff

700 S. Flower St., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

ODM



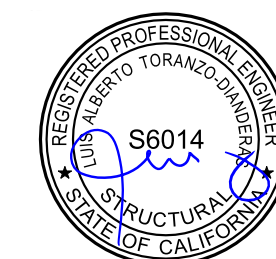
SYSKA HENNESSY GROUP
A member company of SH Group, Inc.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



DAMPER ASSEMBLY DETAILS

REVIEWED FOR
CODE COMPLIANCE
Date 2/23/2023

Drawing No:

S7.00-L

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

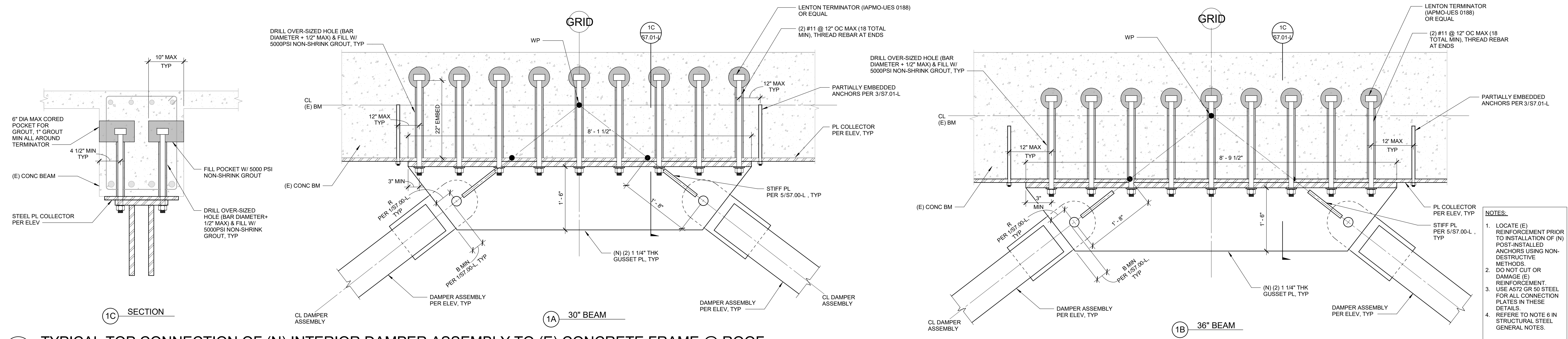


**DAMPER
CONNECTION DETAILS**

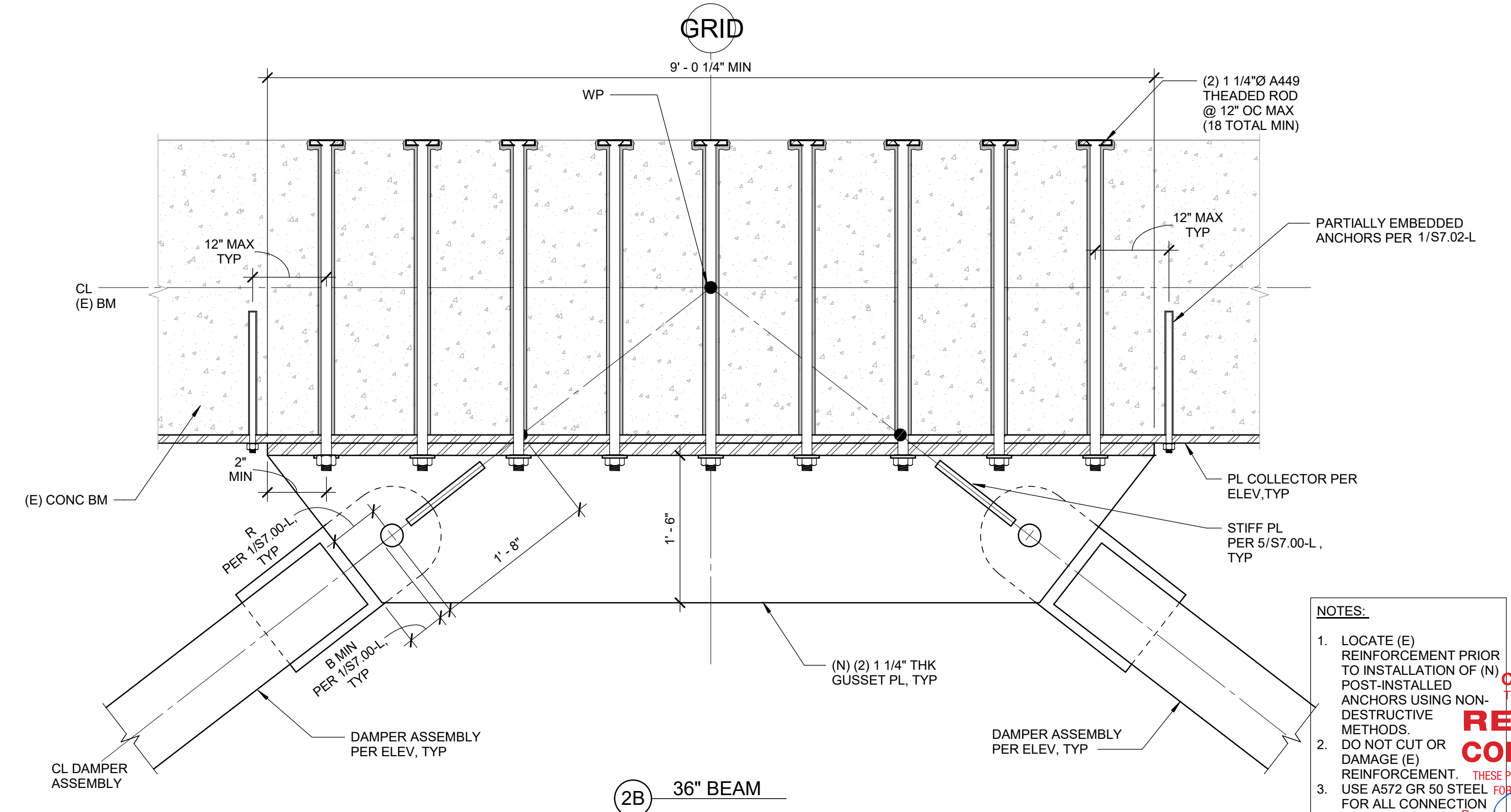
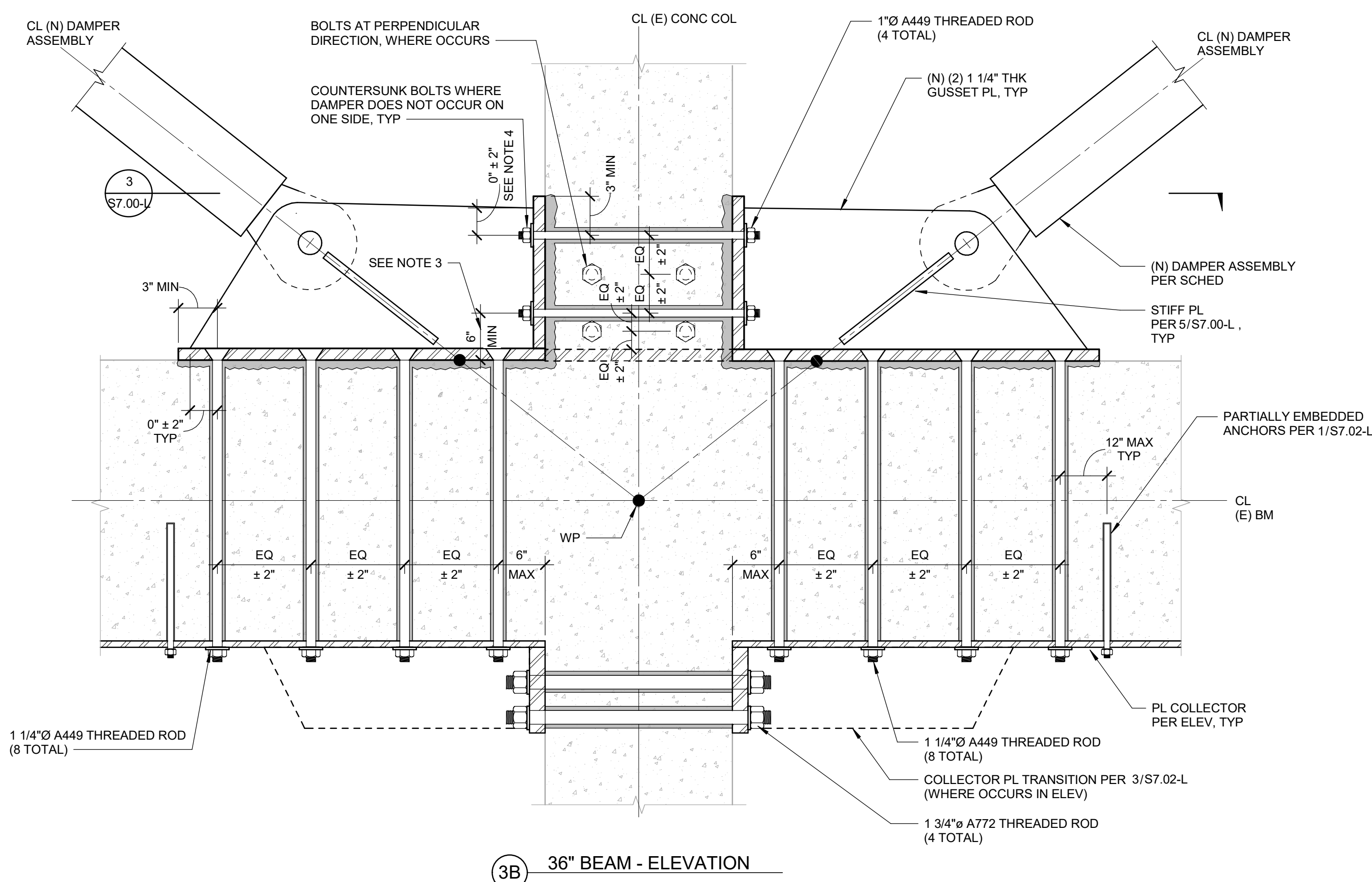
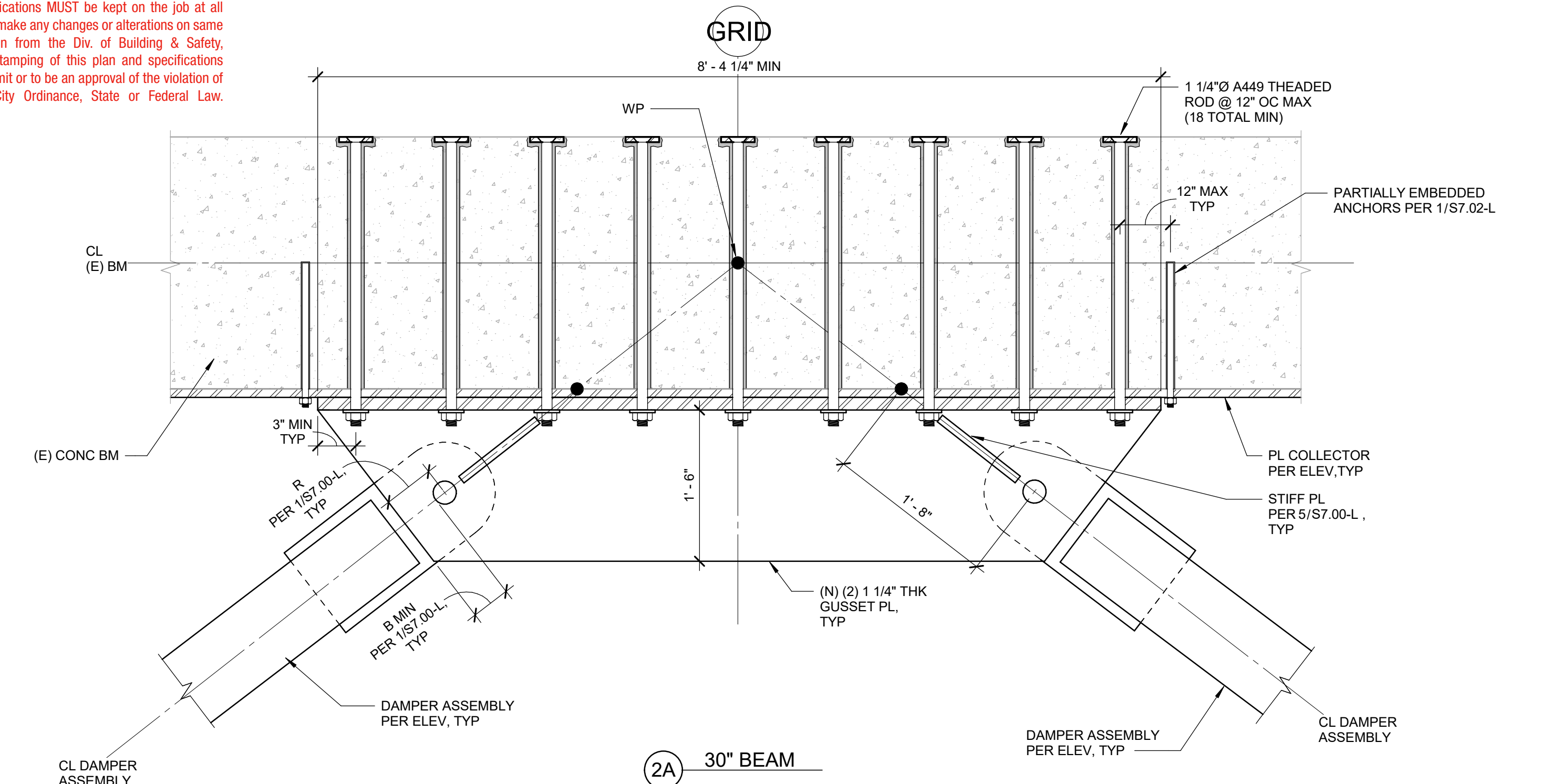
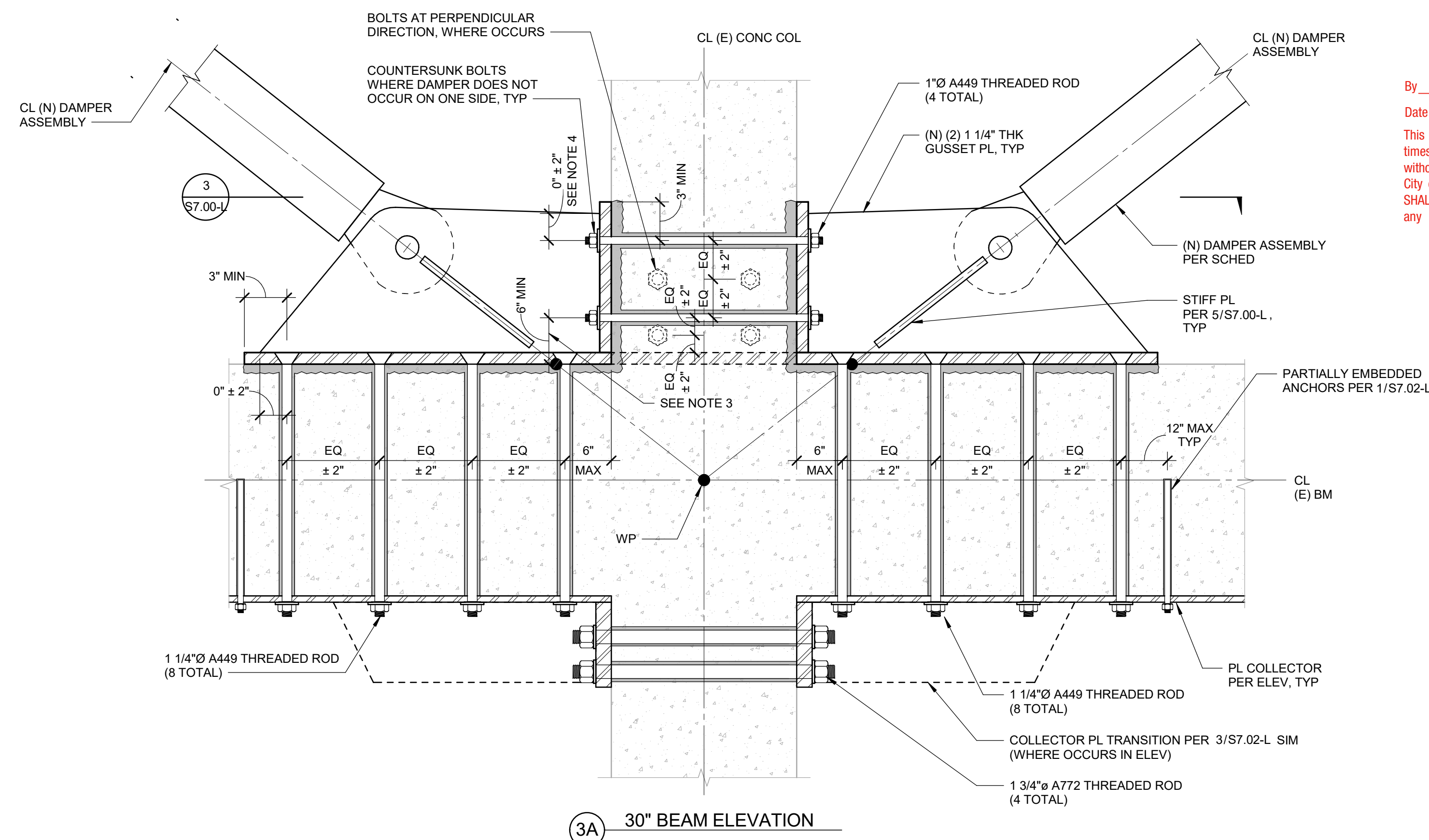
**REVIEWED FOR
CODE COMPLIANCE**
DATE: 2/23/2023
BY: [Signature]

Drawing No:

S7.01-L



1 TYPICAL TOP CONNECTION OF (N) INTERIOR DAMPER ASSEMBLY TO (E) CONCRETE FRAME @ ROOF
1" = 1'-0"

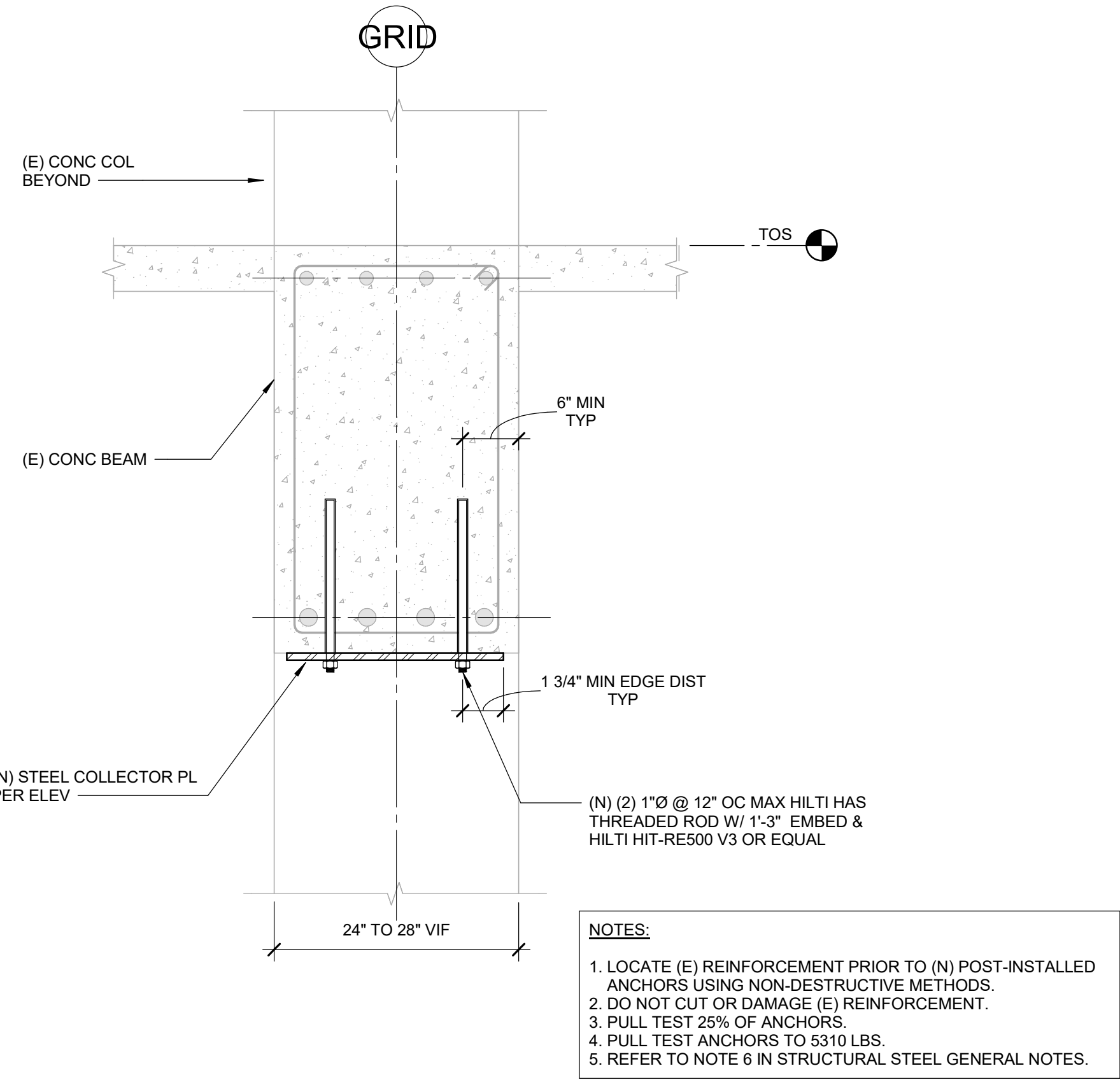
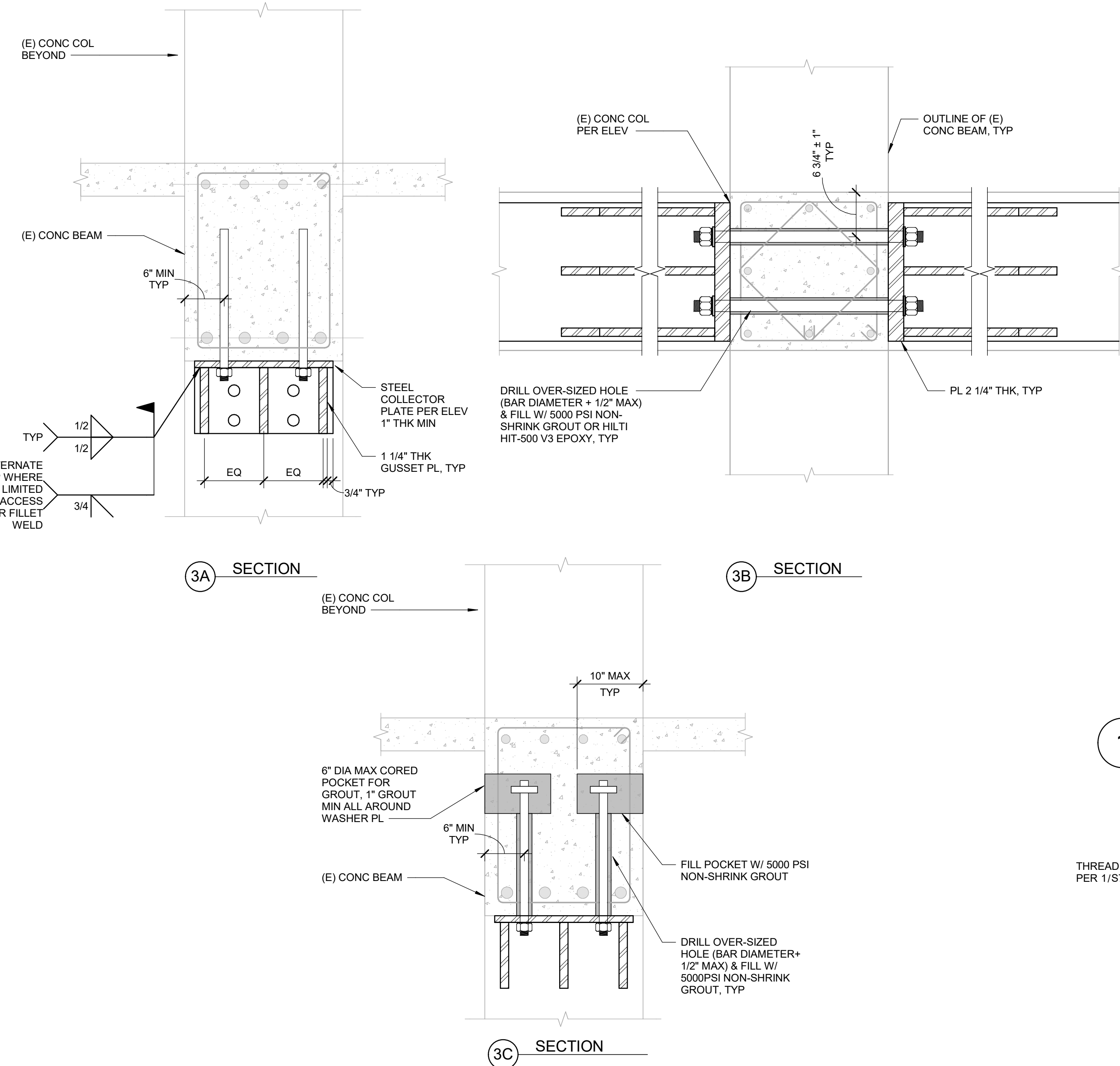
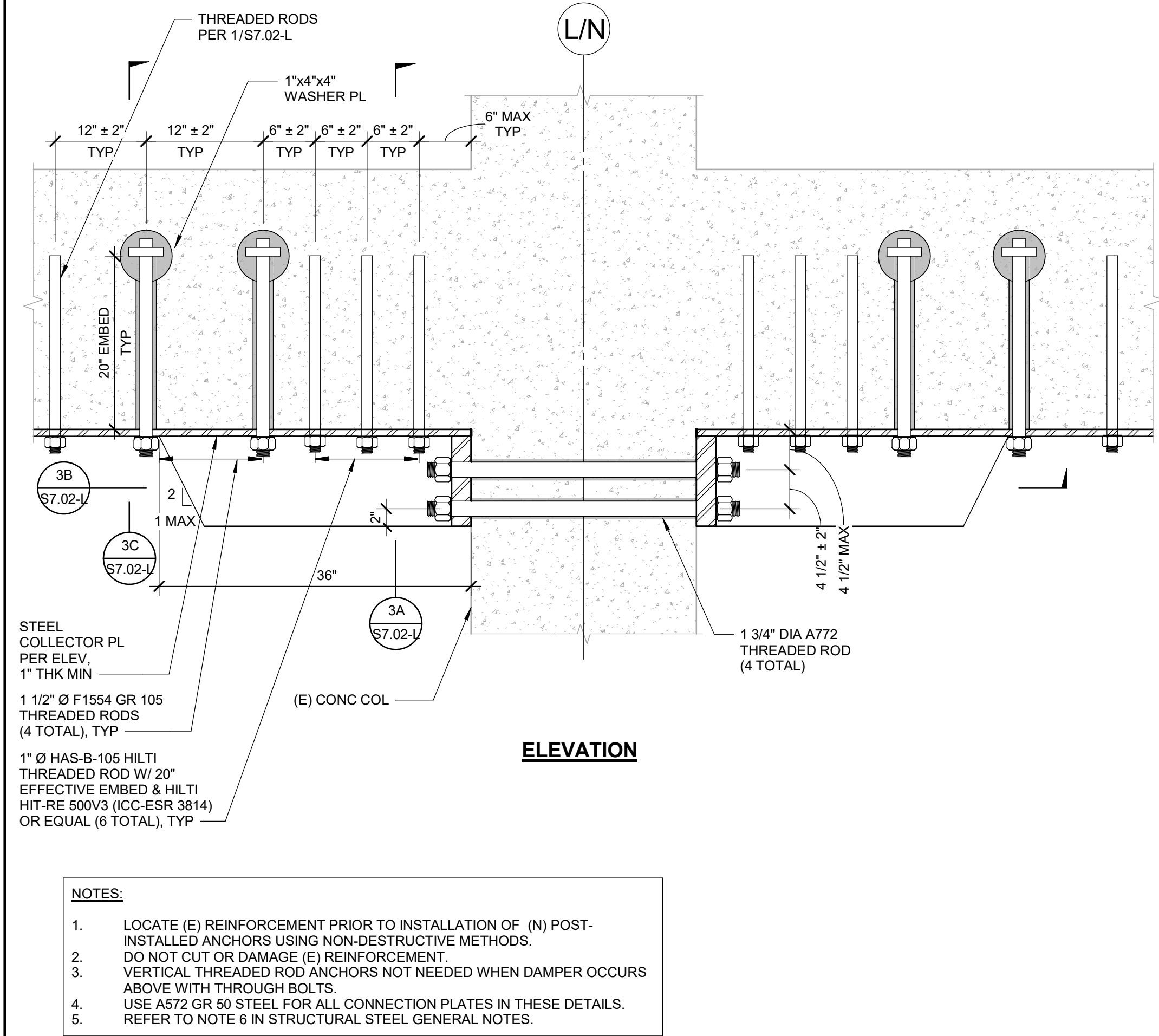


3 TYPICAL BOTTOM CONNECTION OF (N) INTERIOR DAMPER ASSEMBLY TO (E) CONCRETE FRAME
1" = 1'-0"

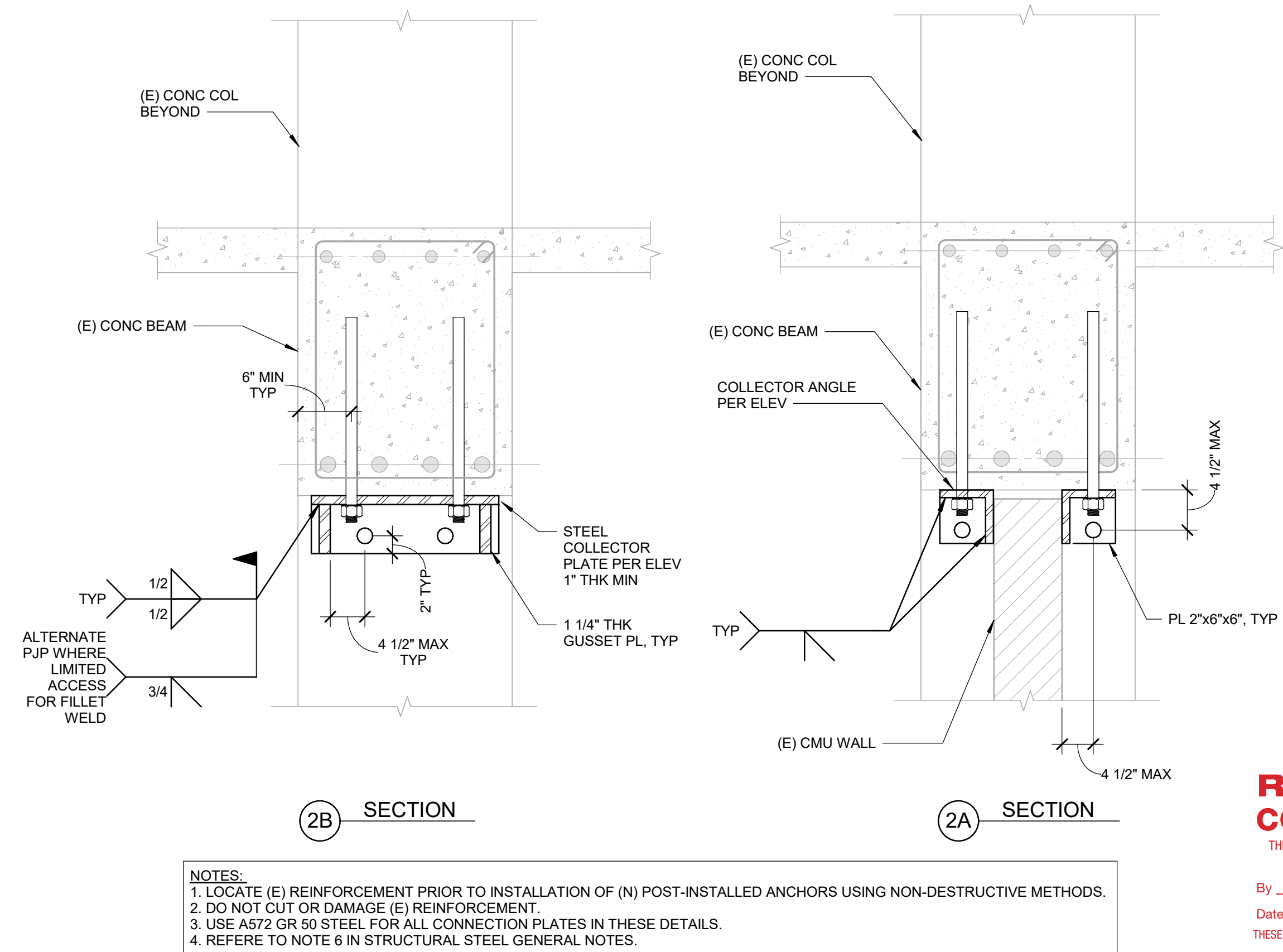
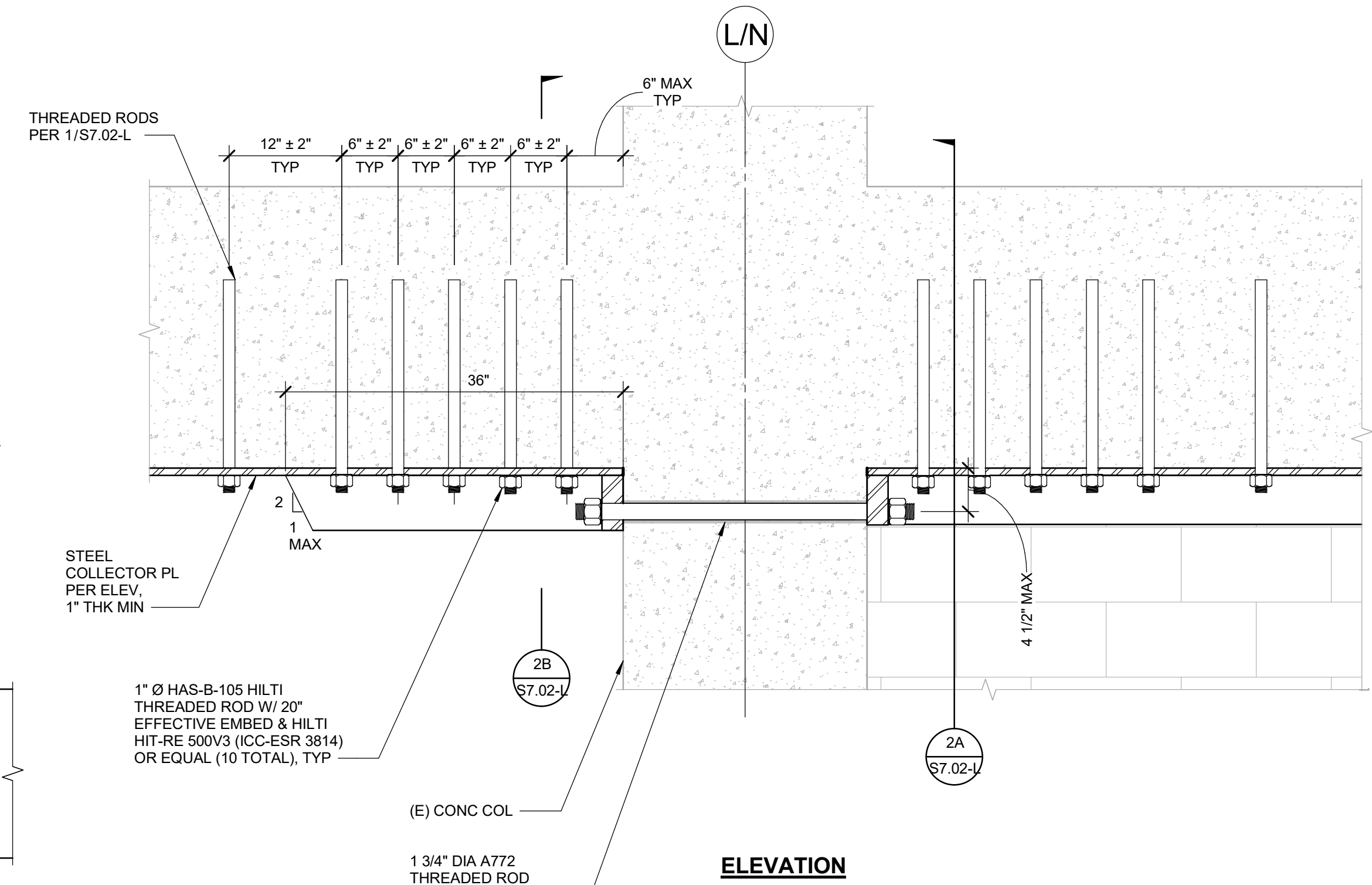
2 TYPICAL TOP CONNECTION OF (N) INTERIOR DAMPER ASSEMBLY TO (E) CONCRETE FRAME
1" = 1'-0"

- NOTES:**
1. LOCATE (E) REINFORCEMENT PRIOR TO INSTALLATION OF (N) POST-INSTALLED ANCHORS USING NON-DESTRUCTIVE METHODS.
2. DO NOT CUT OR DAMAGE (E) REINFORCEMENT.
3. INCREASE TO 8" MAX AT COLUMN CONDITIONS RECEIVING (2) PERPENDICULAR DAMPERS. AT CORNER CONDITIONS IT IS STRUCTURALLY ACCEPTABLE TO CUT (2) EXISTING COLUMN TIES IF REQUIRED FOR THREADED REBAR INSTALLATION PURPOSES. DO NOT CUT OR DAMAGE ANY COLUMN LONGITUDINAL REINFORCEMENT.
4. INCREASE TO 4" AT COLUMN CONDITIONS RECEIVING (2) PERPENDICULAR DAMPERS.
5. USE A572 GR 50 STEEL FOR ALL CONNECTION PLATES IN THESE DETAILS.
6. REFER TO NOTE 6 IN STRUCTURAL STEEL GENERAL NOTES

- NOTES:**
1. LOCATE (E) REINFORCEMENT PRIOR TO INSTALLATION OF (N) POST-INSTALLED ANCHORS USING NON-DESTRUCTIVE METHODS.
2. DO NOT CUT OR DAMAGE (E) REINFORCEMENT.
3. USE A572 GR 50 STEEL FOR ALL CONNECTION PLATES IN THESE DETAILS.
4. REFER TO NOTE 6 IN STRUCTURAL STEEL GENERAL NOTES.

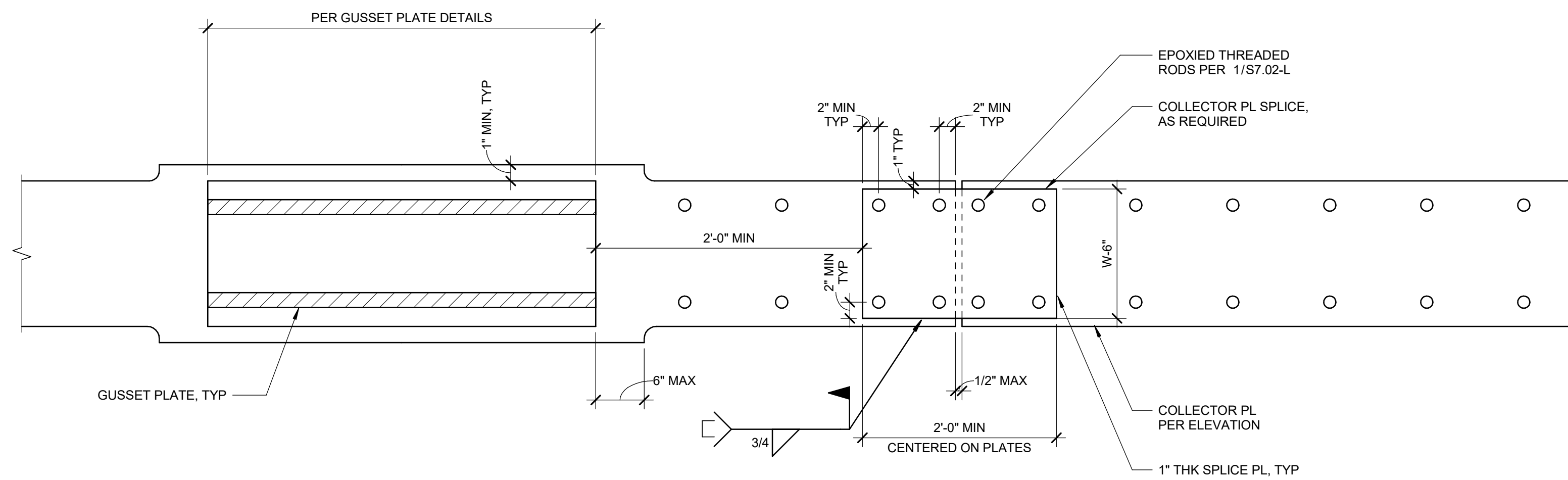


1 TYPICAL CONN OF COLLECTOR TO (E) BEAM
SCALE: 1" = 1'-0"

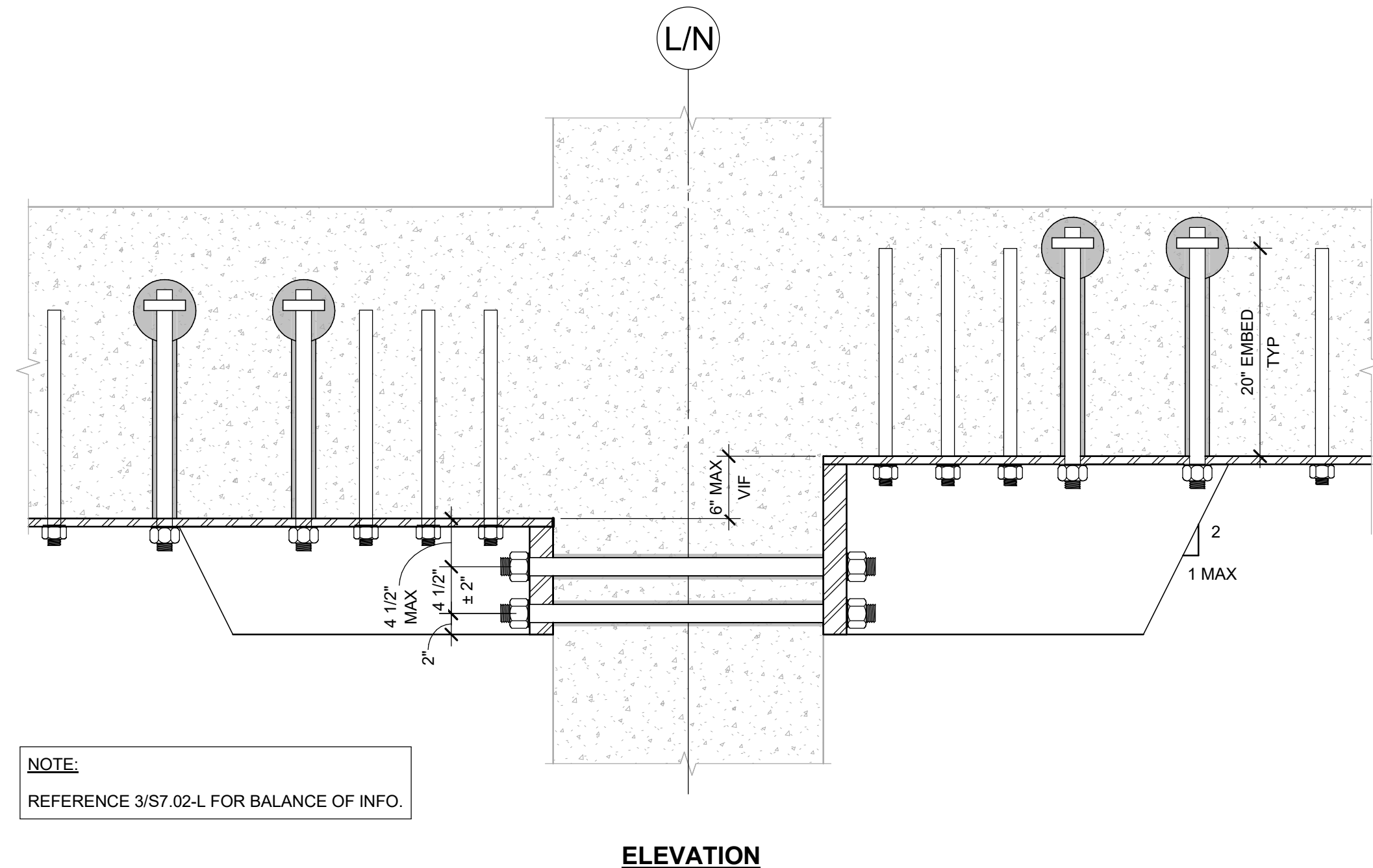


2 COLLECTOR ANGLE TO COLLECTOR PLATE TRANSITION AT CONCRETE COLUMN
SCALE: 1" = 1'-0"

3 COLLECTOR SPLICE DETAIL AT CONCRETE COLUMN
SCALE: 1" = 1'-0"



4 COLLECTOR PLATE SPLICE DETAIL
SCALE: 1" = 1'-0"



5 COLLECTOR SPLICE DETAIL AT CONCRETE COLUMN W/ BEAM DEPTH TRANSITION
SCALE: 1" = 1'-0"

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By: *[Signature]*
Date: 04/13/2023
This set of plans and specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



**COLLECTOR
PLATE DETAILS**

**REVIEWED FOR
CODE COMPLIANCE**
DATE: 2/23/2023
BY: *[Signature]*
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

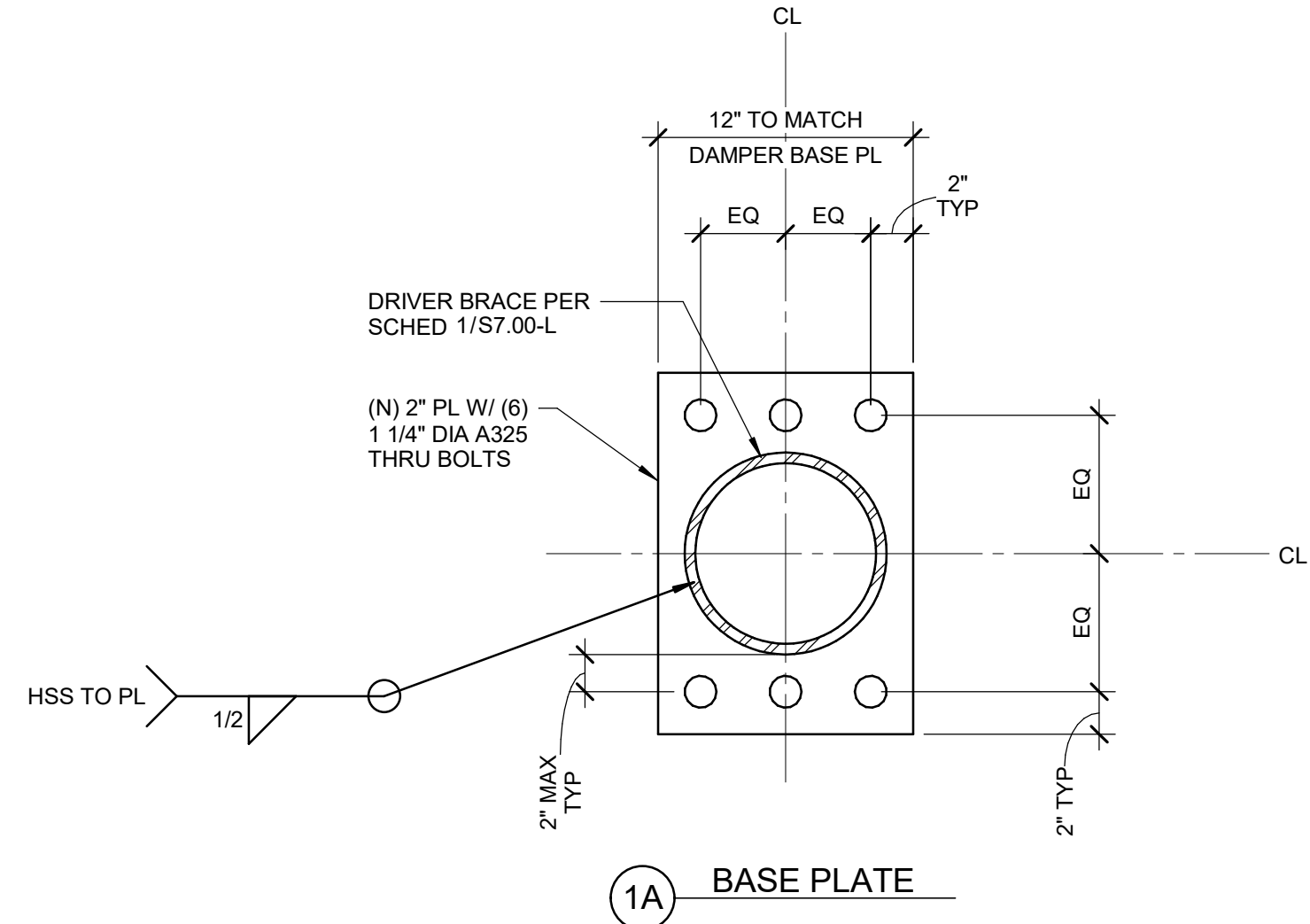
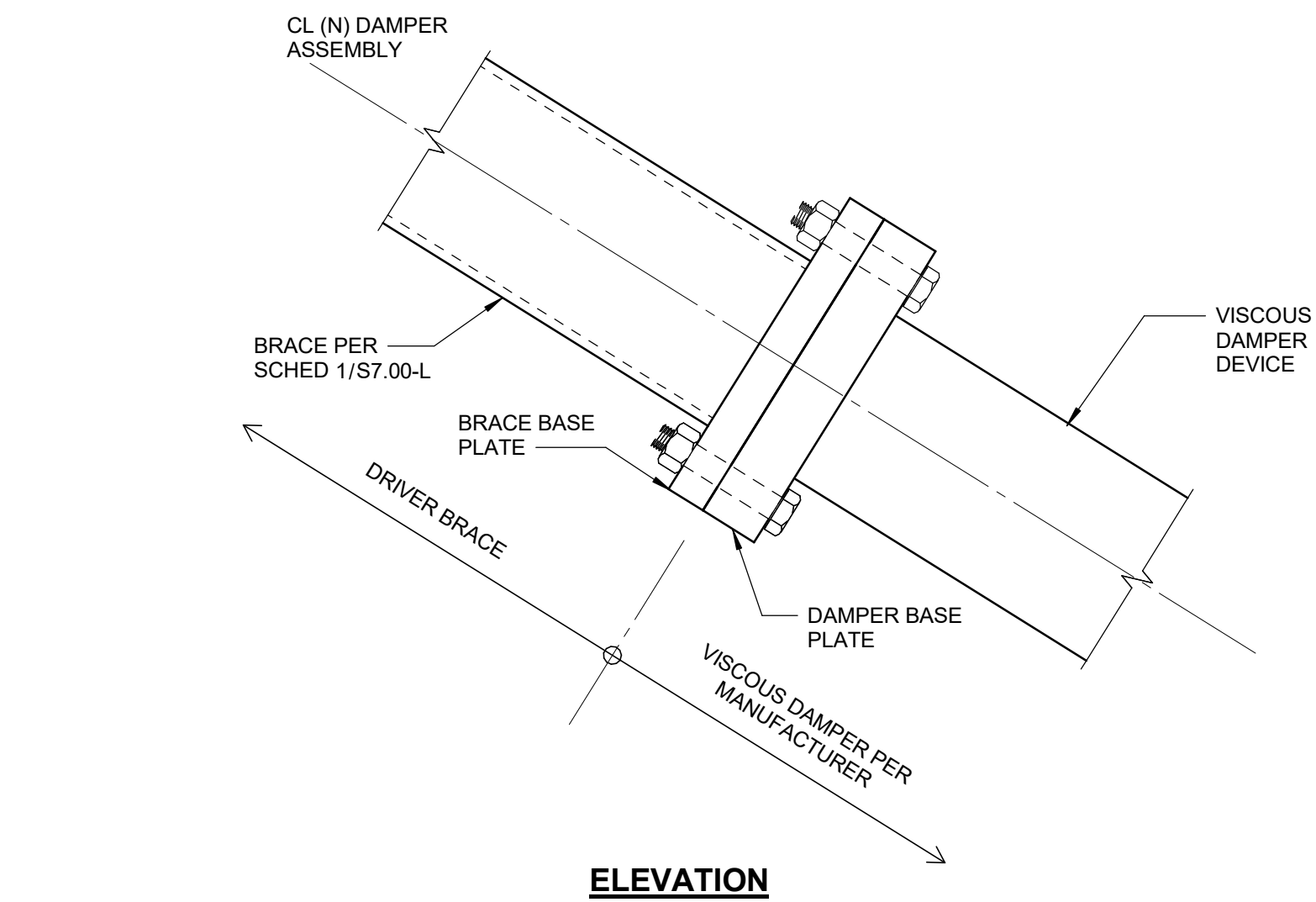
Drawing No:

S7.02-L

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

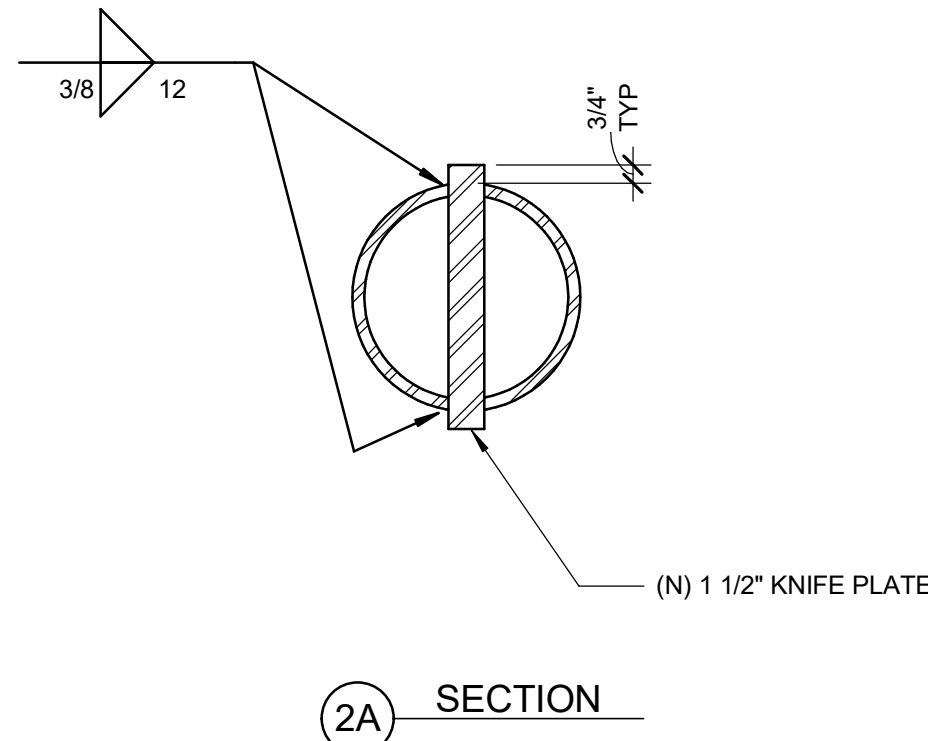
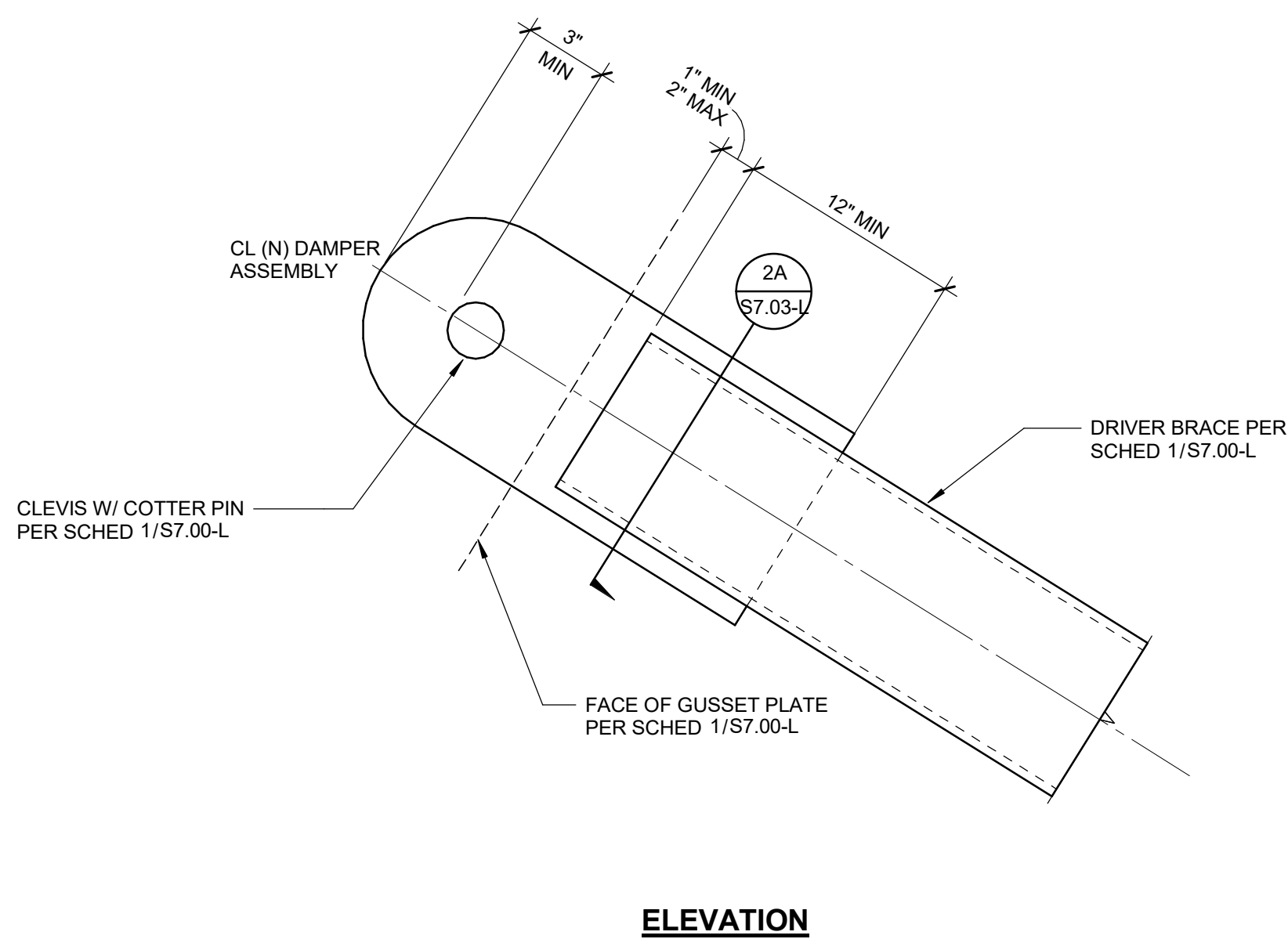
By *Ata Pourghassemi*
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



- NOTES:
1. CONTRACTOR SHALL COORDINATE PLATE DIMENSIONS AND BOLT LOCATIONS WITH DAMPER MANUFACTURER.
 2. USE A572 GR 50 STEEL FOR ALL CONNECTION PLATES IN THESE DETAILS.

1 TYP. DRIVER BRACE TO VISCOUS DAMPER CONN.
SCALE : 1 1/2\"/>



- NOTE:
1. USE A572 GR 50 STEEL FOR ALL CONNECTION PLATES IN THESE DETAILS.

2 DRIVER BRACE TO GUSSET PL CONNECTION
SCALE : 1 1/2\"/>

kpff
700 S. Flower St., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

ODM
SYSKA HENNESSY GROUP
A member company of SH Group, Inc.

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



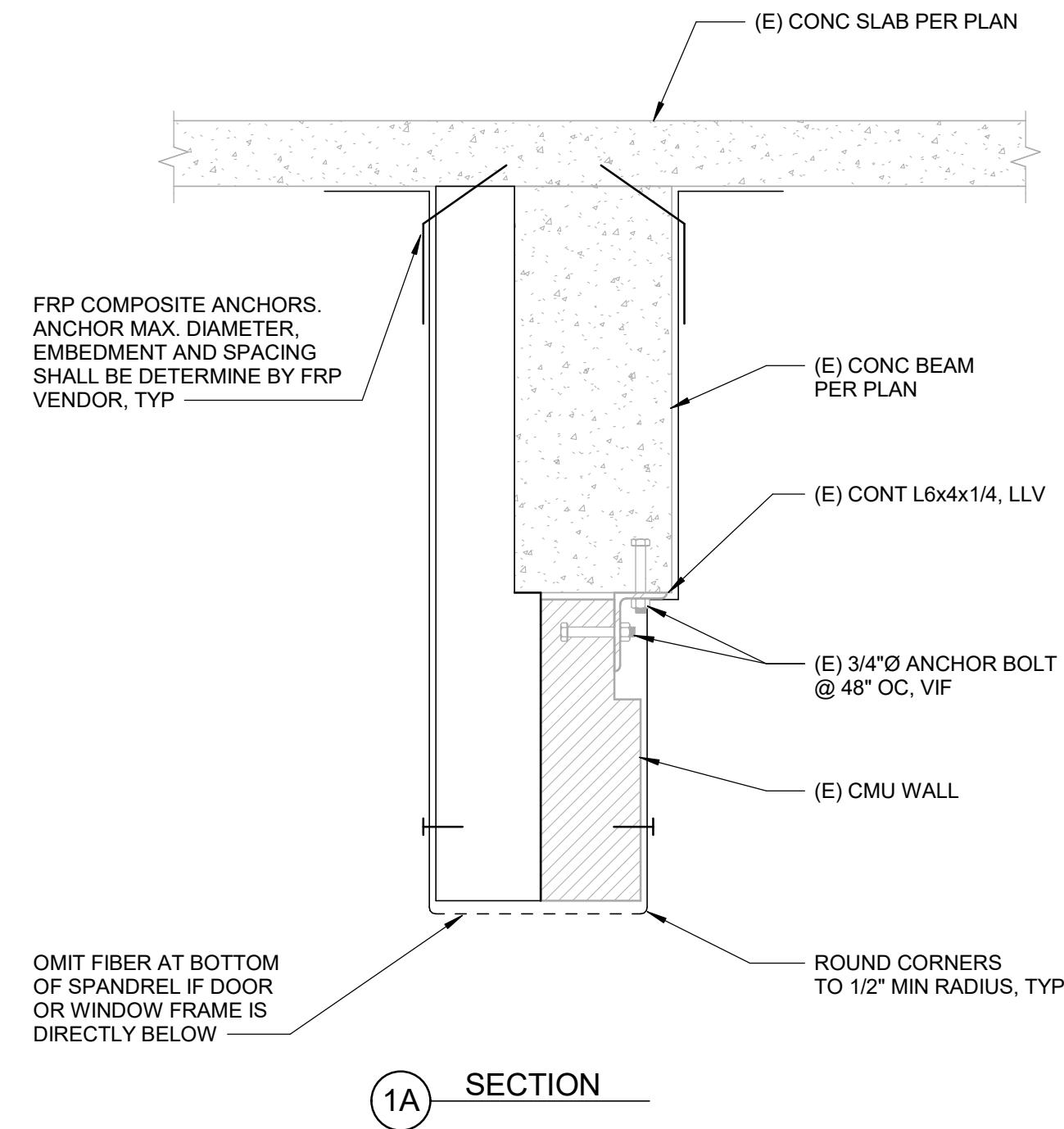
**DRIVER BRACE
DETAILS**

ALL PLANS AND DETAILS ARE
THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *James Lee*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S7.03-L

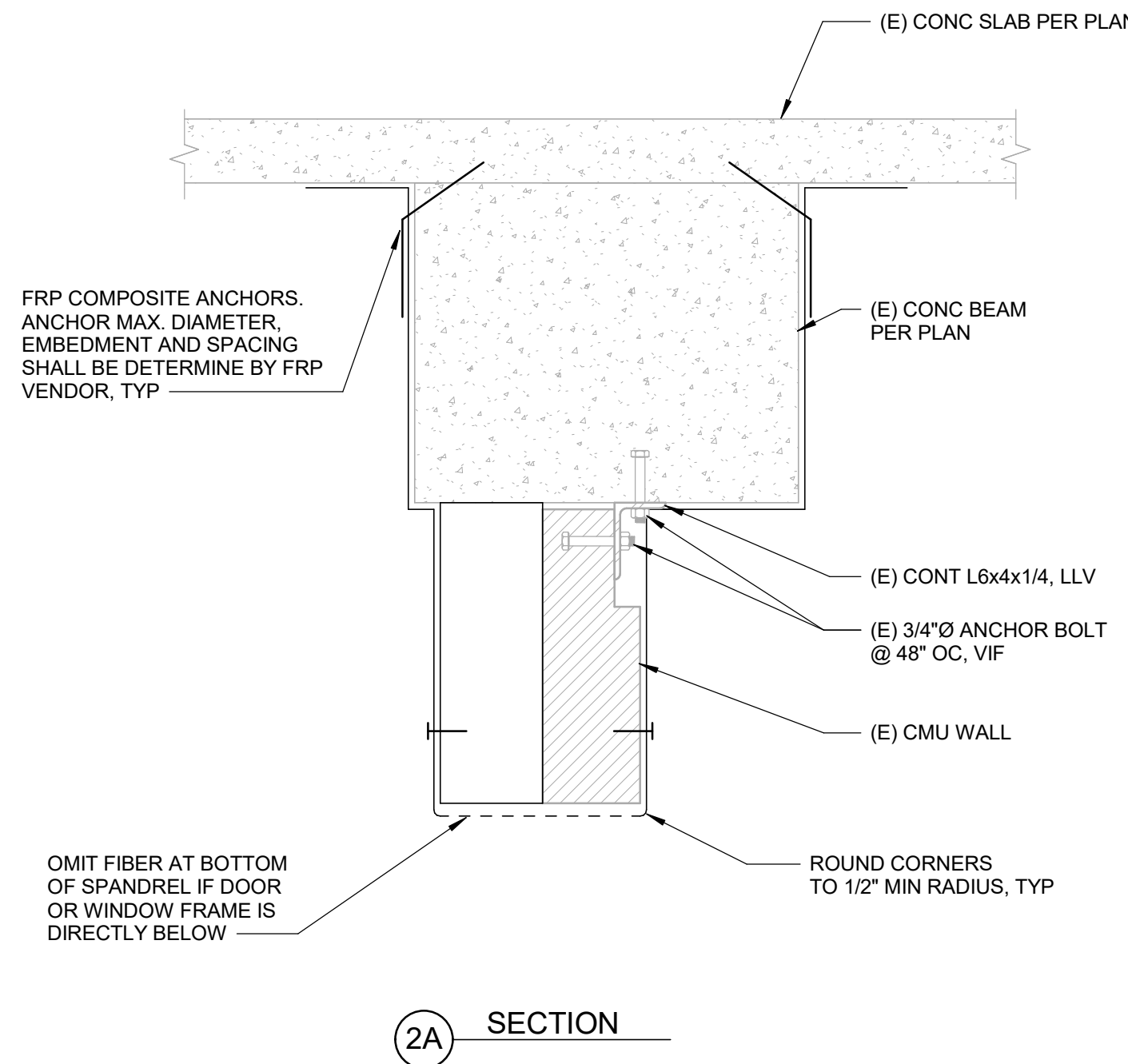
DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By *Ali Pourghassemi*
Date 04/13/2023
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



NOTES:
1. REINFORCEMENT NOT SHOWN FOR CLARITY.
2. FRP MANUFACTURER TO DESIGN FRP SUCH THAT IT PROVIDES MINIMAL ADDED STRENGTH.

1 FRP CATCH MECHANISM AT SPANDRELS

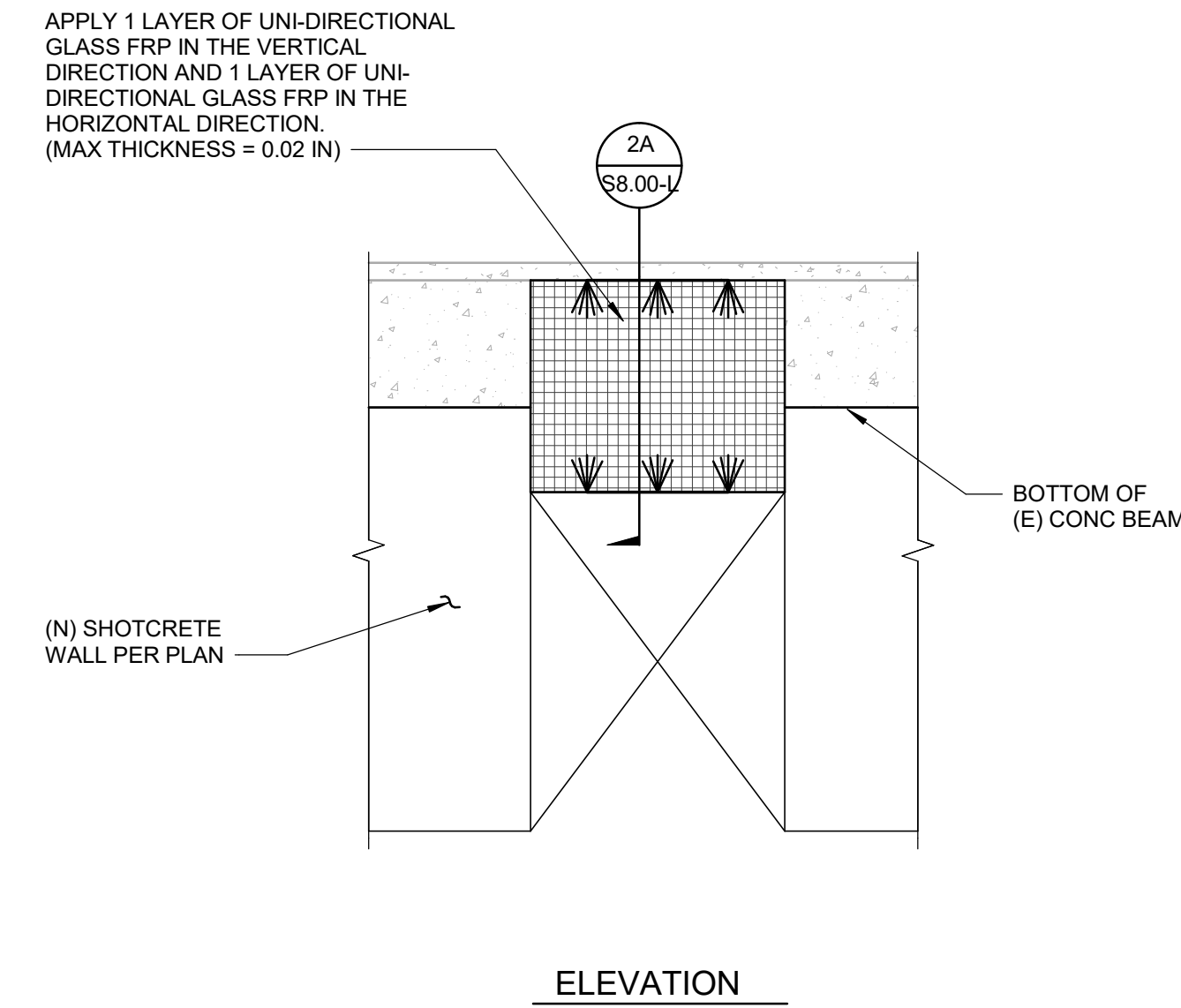
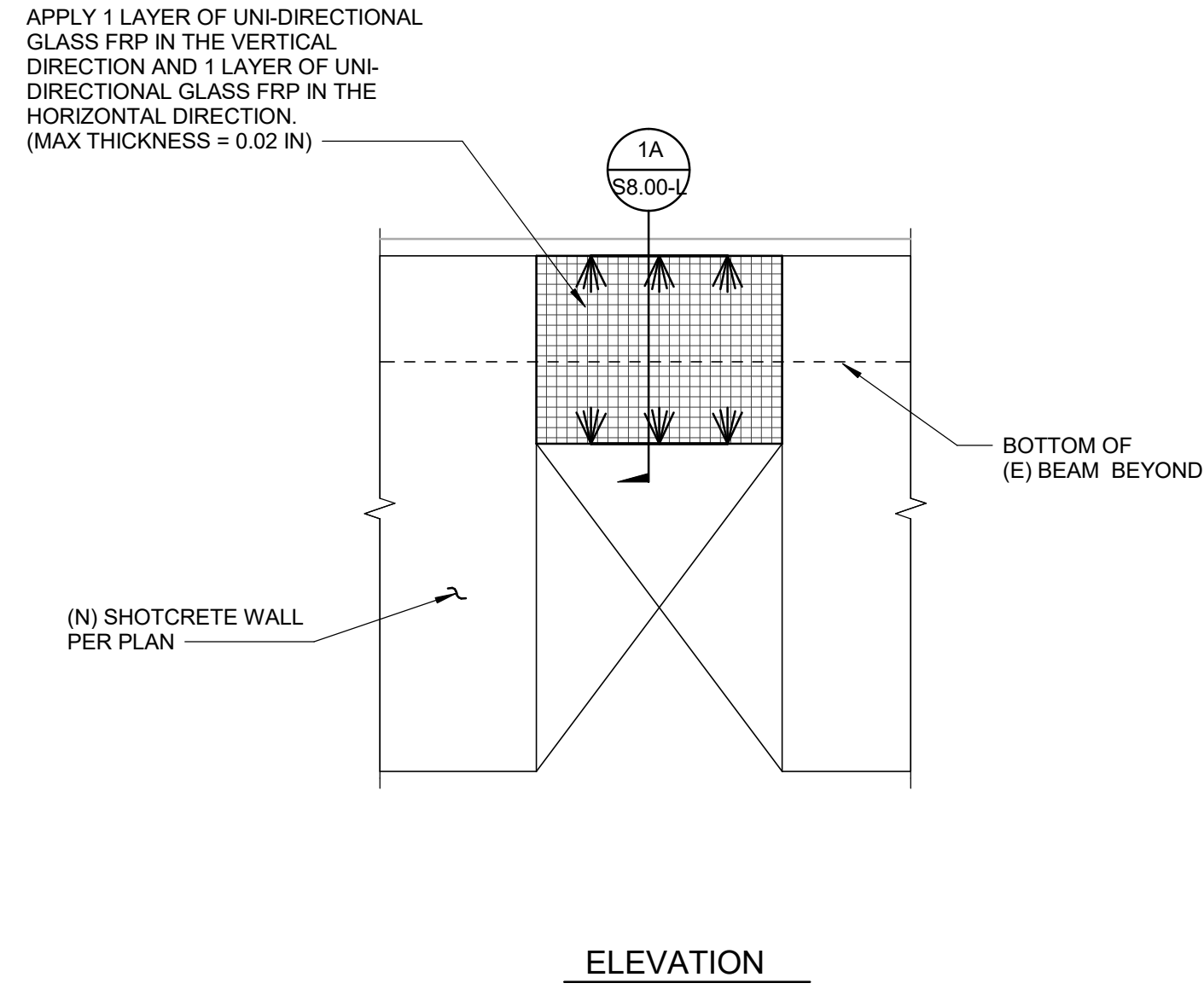
SCALE : 1/4" = 1'-0"



NOTES:
1. REINFORCEMENT NOT SHOWN FOR CLARITY.
2. FRP MANUFACTURER TO DESIGN FRP SUCH THAT IT PROVIDES MINIMAL ADDED STRENGTH.

2 FRP CATCH MECHANISM AT SPANDRELS

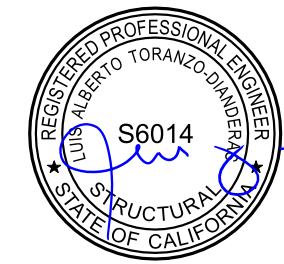
SCALE : 1/4" = 1'-0"



CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



FRP CATCH MECHANISM FOR (E) CONC WALLS

REVIEWED FOR
CODE COMPLIANCE
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By *Ali Pourghassemi*
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

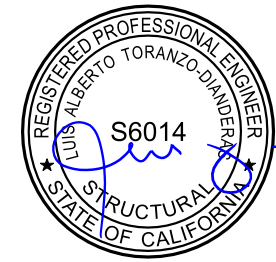
Drawing No:

S8.00-L

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022

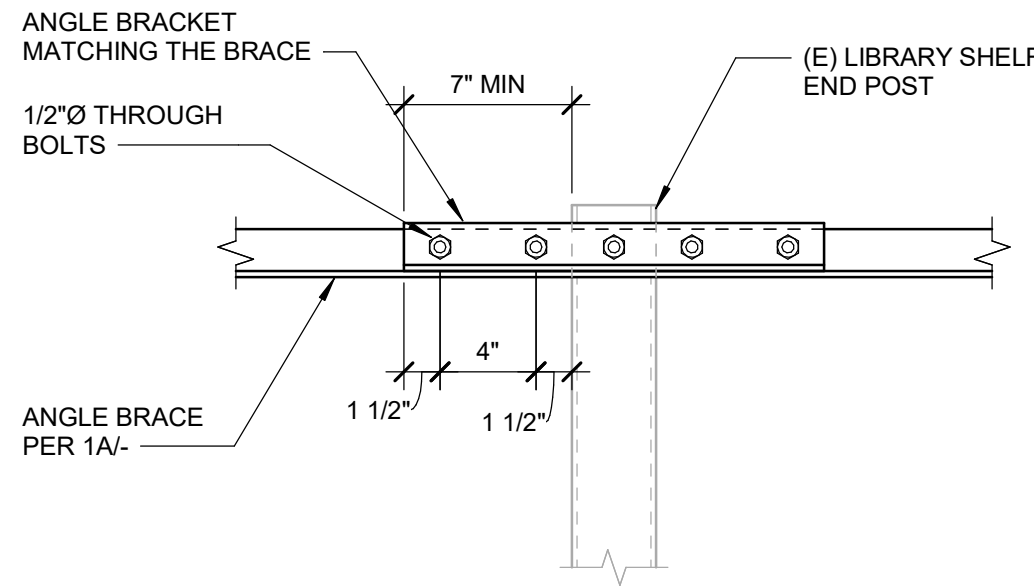


NON-
STRUCTURAL
RETROFIT

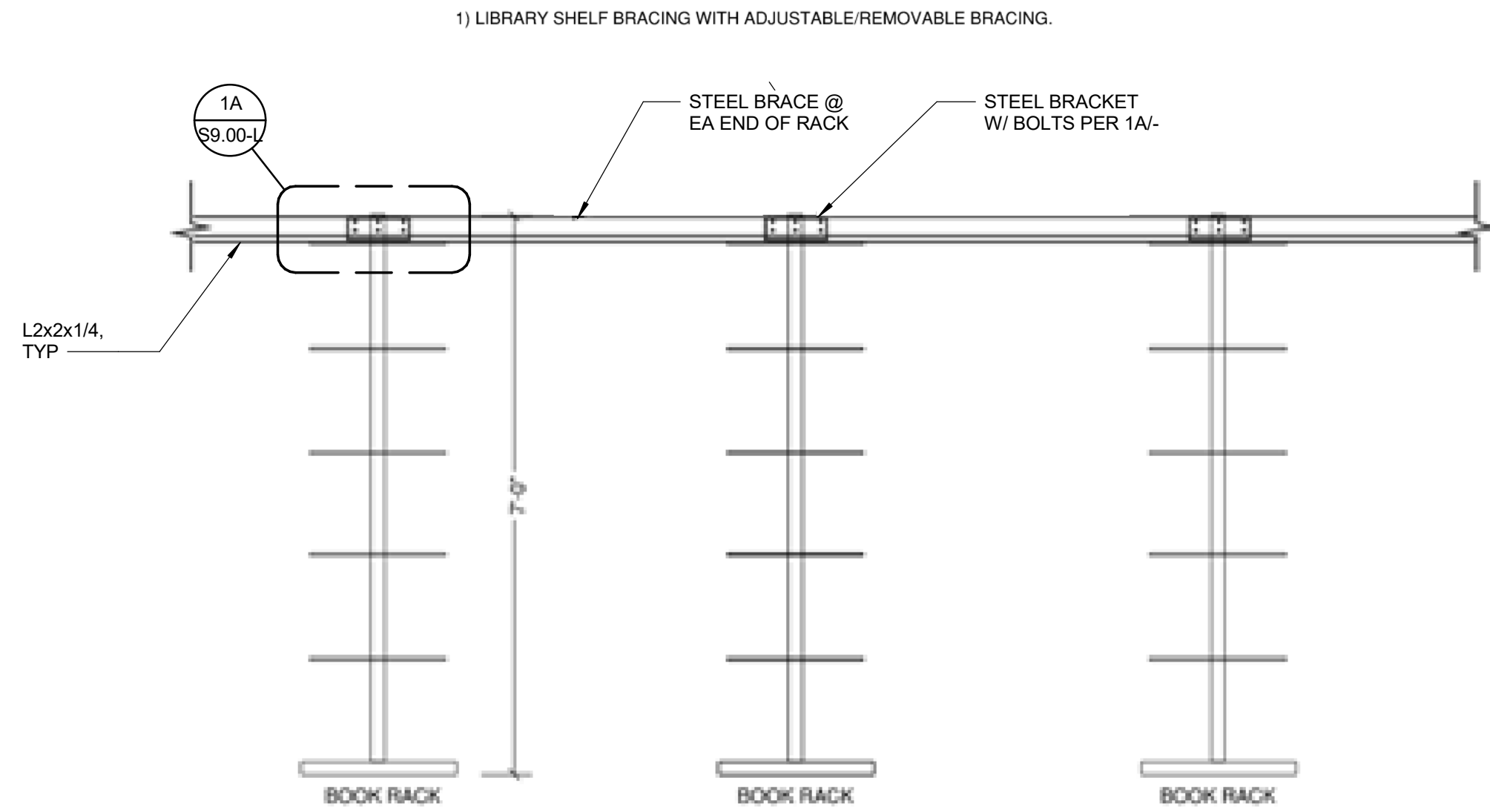
DATE: 2/23/2023
DESCRIPTION:
THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.
By: [Signature]
Date: 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

S9.00-L

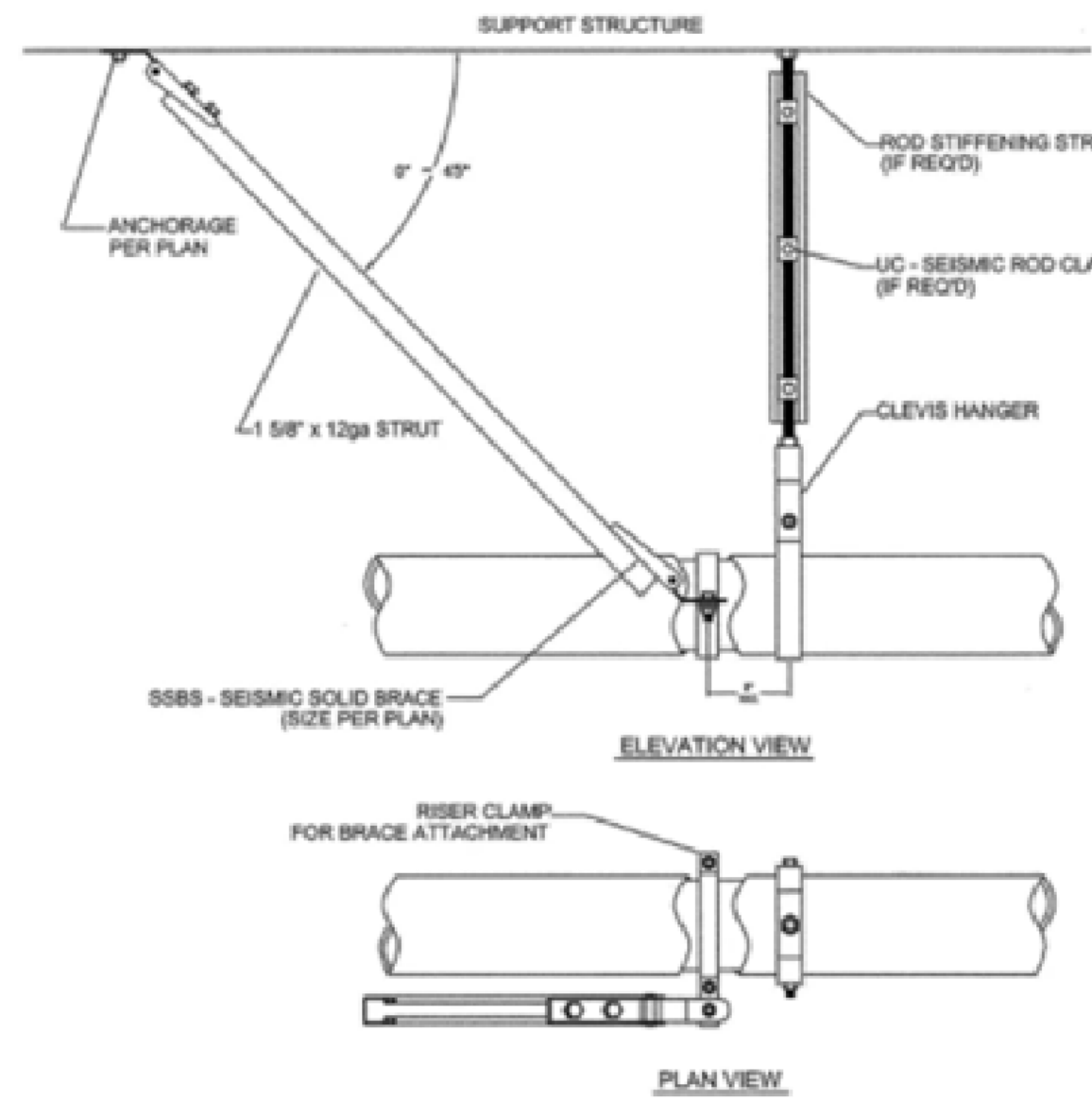


1A CONNECTION
1 1/2" = 1'-0"



1 LIBRARY SHELF BRACING
SCALE : NTS

1) PIPE RUN SURVEY AND SEISMIC BRACING UPGRADES FOR PIPES OVER 2.5' DIAMETER
2) CONDUIT RUN SURVEY AND BRACING FOR TRAPEZE SUPPORTED AND LARGE ENCASED BUNDLES EXCEEDING 10 PLF WEIGHT OR RACEWAYS EXCEEDING 5' DIAMETER
SURVEY SHALL INCLUDE ALL ACCESSIBLE HORIZONTAL RUNS OF PIPES. BRACING CRITERIA PER CURRENT BUILDING CODE AND APPLICABLE INDUSTRY STANDARDS. OSHPD LEVEL BRACING FOR SYSTEMS WITH IMPORTANCE FACTOR $I_p > 1$ PER ASCE 7 REQUIREMENTS AND MODIFICATIONS PER 2019 CBC CHAPTER 16, SECTIONS 1616A.1.24 THROUGH 1.26
THE SURVEY WOULD IDENTIFY COMPLIANCE WITH THE FOLLOWING:
-2 WAY BRACING AT ALL HORIZONTAL TURNS
-PARALLEL AND PERPENDICULAR BRACE SPACING BASED ON THE PIPE AND CONDUIT SIZE
TYPICAL MASON OR ISAT BRACING DETAILS SHALL BE USED FOR BRACING UPGRADES WHERE DEFICIENCIES ARE IDENTIFIED.



SEISMIC BRACING OF (E) LARGE/HEAVY OVERHEAD UTILITIES -
CONCEPT SKETCH
SCALE : 1/2" = 1'-0"

2

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By: [Signature]
Date: 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

#-		HVAC	HEATING, VENTILATION, & AIR CONDITIONING
2WAY	TWO-WAY	HWP	HOT WATER PUMP
3WAY	THREE-WAY	HWR	HOT WATER RETURN
-A-		HWS	HOT WATER SUPPLY
A/C	AIR CONDITION	HZ	HERTZ
AD	ACCESS DOOR	-I-	
ADA	AMERICAN DISABILITIES ACT	ID	INSIDE DIMENSION
ADDL	ADDITIONAL	IN	INCH
ADJ	ADJUSTABLE	INSUL	INSULATION
AFF	ABOVE FINISHED FLOOR	-K-	
AHJ	AUTHORITY HAVING JURISDICTION	KW	KILOWATT
AHU	AIR HANDLING UNIT	-L-	
AIA	AMERICAN INSTITUTE OF ARCH	(L)	LINED
AMP	AMPHERE	LAT	LEAVING AIR TEMPERATURE
ARCH	ARCHITECT	LBS	POUND(S)
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION & AIR CONDITIONING ENGINEERS	LH	LATENT HEAT
AUTO	AUTOMATIC	LTH	LENGTH
AVG	AVERAGE	LVR	LOUVER
-B-		LWT	LEAVING WATER TEMPERATURE
BDD	BACKDRAFT DAMPER	-M-	
BFP	BACKFLOW PREVENTOR	MAT	MIXED AIR TEMPERATURE
BLDG	BUILDING	MAX	MAXIMUM
BLW	BELOW / UNDERGROUND	MBTUH	THOUSAND BTU PER HOUR
BTU	BRITISH THERMAL UNIT	MECH	MECHANICAL
BTUH	BRITISH THERMAL UNIT/HOUR	MED	MEDIUM
-C-		MER	MECHANICAL EQUIPMENT ROOM
CAP	CAPACITY, CAPACITOR	MFR	MANUFACTURER
CC	COOLING COIL	MHP	MOTOR HORSEPOWER
CD	CEILING DIFFUSER, CONSTRUCTION DOCUMENT	MIN	MINIMUM, MINUTE
CFM	CUBIC FEET PER MINUTE	MOT	MOTOR
CFSD	COMBINATION FIRE/SMOKE DAMPER	MS	MOTOR STARTER
CH	CHILLER	MTD	MEAN TEMP DIFFERENCE
CHWP	CHILLED WATER PUMP	MTGHT	MOUNTING HEIGHT
CHWR	CHILLED WATER RETURN	MU	MAKE UP WATER LINE
CHWS	CHILLED WATER SUPPLY	-N-	
CL	CENTER LINE, CLOSE, CLOSET	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NORMALLY OPEN, NUMBER
CNDS	CONDENSATE DRAIN	NTS	NOT TO SCALE
CO2	CARBON DIOXIDE	OA	OUTSIDE AIR
COND	CONDENSER	OD	OUTSIDE DIAMETER
CONN	CONNECT, CONNECTION	-P-	
CP	CONTROL PANEL, CHROME PLATED	PD	PRESSURE DROP/DIFFERENCE
CV	CONSTANT VOLUME	PERF	PERFORATED
CWP	CONDENSER WATER PUMP	PH	PHASE
CWR	CONDENSER WATER RETURN	PLBG	PLUMBING
CWS	CONDENSER WATER SUPPLY	POS	POSITIVE
-D-		PRV	PRESSURE REDUCING VALVE
(D)	EXISTING TO BE DEMOLISHED	PSI	POUNDS PER SQUARE INCH
DB	DRY BULB	-R-	
dB	DECIBEL	(R)	REMOVE EXISTING
DBA	UNIT OF SOUND LEVEL	RISE	
DBT	DRY BULB TEMPERATURE	RA	RETURN AIR
DDC	DIRECT DIGITAL CONTROL	RAG	RETURN AIR GRILLE
DEG	DEGREE	REC	RECESSED
DIA	DIAMETER	REFR	REFRIGERATION
DMPR	DAMPER	REG	REGISTER
DN	DOWN	REM	REMOVABLE
DPT	DEW POINT TEMPERATURE	REQD	REQUIRED
DR	DRAIN	RFGT	REFRIGERANT
DWG	DRAWING	RH	RELATIVE HUMIDITY
-E-		RHC	REHEAT COIL
(E)EX	EXISTING TO REMAIN	RLA	RUNNING LOAD AMPERES
(ER)	EXISTING TO BE RELOCATED	RLI	REFRIGERANT LIQUID LINE
EA	EXHAUST AIR	RM	ROOM
EAR	EXHAUST AIR REGISTER	RPM	REVOLUTIONS PER MINUTE
EAT	ENTERING AIR TEMPERATURE	RSL	REFRIGERANT SUCTION LINE
EDBT	ENTERING DRY BULB TEMP	-S-	
EER	ENERGY EFFICIENCY RATIO	SA	SUPPLY AIR, SHOCK ABSORBER
EF	EXHAUST FAN	SAR	SUPPLY AIR REGISTER
EL	ELEVATION / ELEVATOR LOBBY	SD	SMOKE DAMPER/DETECTOR, STORM DRAIN
ELEC	ELECTRIC / ELECTRICAL	SEER	SEASONAL ENERGY EFFICIENCY
EQ	EQUAL	SF	SQUARE FOOT (FEET), SUPPLY FAN
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EWBT	ENTERING WET BULB TEMP	SPEC	SPECIFICATION
EWT	ENTERING WATER TEMP	SS	STAINLESS STEEL
EXH	EXHAUST	STRUC	STRUCTURAL
EXIST	EXISTING	-T-	
-F-		T	THROAT
F	FAHRENHEIT, FIRE SERVICE, FEMALE	TA	TRANSFER AIR
FA	FACE, FREE AREA, FIRE ALARM	TDH	TOTAL DYNAMIC HEAD
FCU	FAN COIL UNIT	TEMP	TEMPERATURE
FD	FIRE DAMPER	TSTAT	THERMOSTAT
FIN FLR	FINISH FLOOR	Typ	TYPICAL
FLA	FULL LOAD AMPERES	-V-	
FLEX	FLEXIBLE	V	VOLT, VENT, VIDEO
FLTR	FILTER	VAV	VARIABLE AIR VOLUME
FPM	FEET PER MINUTE	VD	VOLUME DAMPER
FT	FOOT, FEET	VFD	VARIABLE FREQUENCY DRIVE
-G-		-W-	
GAL	GALLON	W	WIDTH, WIRE, WATT, WASTE,
GALV	GALVANIZED	W/	WITH
GPM	GALLONS PER MINUTE	W/O	WITHOUT
GRL	GRILLE	WB	WET BULB
-H-		WMS	WIRE MESH SCREEN
HD	HEAD	WP	WEATHERPROOF, WORKING PRESSURE
HORIZ	HORIZONTAL		
HP	HORSEPOWER		

ANNOTATION	
	PLAN TITLE NO. - 1
	TITLE MARK DETAIL OR PLAN NO. - 1 FOUND IN M-201
	DETAIL REFERENCE DETAIL NO. - 1 FOUND IN M-501
	SECTION MARK SECTION NO. - 1 FOUND IN M-501
	DETAIL BOUNDARY (RECTANGLE) DETAIL NO. - 2
	SHEET KEYNOTE
	REVISION CLOUD (DELTA 1)
	EQUIPMENT TAG MARK - AC MARK NO. - 1-1
	LOUVER IN DOOR MINIMUM 1.0 SQ FT, FREE AREA
	POINT OF CONNECTION
	POINT OF DISCONNECTION
DUCT	
	DUCTWORK (NEW)
	DUCTWORK (EXISTING)
	DUCTWORK (EXISTING TO BE DEMOLISHED)
	DUCTWORK WITH ACOUSTIC LINING
	DUCT UNDER POSITIVE PRESSURE
	DUCT UNDER NEGATIVE PRESSURE
	RISE IN DUCT (IN DIRECTION OF AIR FLOW)
	DROP IN DUCT (IN DIRECTION OF AIR FLOW)
	REHEAT COIL
	FLEX DUCT
	DUCT TRANSITION
	VANED ELBOW
	RADIUS ELBOW
	DUCT FITTING (SEE DETAILS)
	FLEXIBLE DUCT CONNECTION
	TRANSFER AIR BOOT (STRAIGHT) SEE SCHEDULE REQUIREMENTS
	TRANSFER AIR ELBOW WITH ACOUSTIC LINING
	SOUND ATTENUATOR
	ACCESS PANEL
DIFFUSERS	
	CEILING SUPPLY DIFFUSER, TYPE A, THROW PATTERN 4-WAY, 100 CFM
	CEILING RETURN REGISTER (GRILLE), TYPE A, 100 CFM
	CEILING EXHAUST, TYPE A, 100 CFM
	CEILING SUPPLY WITH BLANKING PLATE (3-WAY)
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED

	SIDEWALL SUPPLY DIFFUSER
	LINEAR SLOT DIFFUSER
	12"X6" SIDEWALL SUPPLY REGISTER, 150 CFM
	12"X6" SIDEWALL RETURN / EXHAUST REGISTER, 150 CFM
	ROUND SUPPLY DIFFUSER
	ROUND RETURN DIFFUSER
	FLOOR REGISTER (GRILLE)
VAV BOXES	
	SINGLE DUCT VAV BOX
	SINGLE DUCT VAV BOX WITH ATTENUATOR
	SINGLE DUCT VAV BOX WITH REHEAT
	SINGLE DUCT VAV BOX WITH REHEAT AND ATTENUATOR
	SHUT-OFF VAV BOX WITH HYDRONIC HEATING COIL AND OUTLET BOX
DAMPERS AND CONTROLS	
	COMBINATION SMOKE/FIRE DAMPER
	SMOKE DAMPER
	BACK DRAFT DAMPER
	AUTOMATIC DAMPER (MOTORIZED)
	VOLUME DAMPER
	THERMOSTAT
PIPING	
	NEW PIPING (SEE ABBREVIATION FOR PIPE I.D.)
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
CONTROL DEVICES	
	PIPE HEAT TRACER
VALVES	
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	FLOAT VALVE
	FUSIBLE LINK
	GATE VALVE
	GATE VALVE - OS&Y
	GLOBE VALVE
	MOTORIZED BALL VALVE
	PLUG VALVE
	PLUG SAFETY VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	SOLENOID VALVE
	VALVED AND CAPPED OUTLET
	BACK FLOW PREVENTER
FITTINGS	
	ELBOW DOWN
	ELBOW DOWN TO TEE
	ELBOW UP
	END CAP
	TEE DOWN
	TEE UP
	UNION

- DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

04/13/2023
- ... of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications on this form is NOT to be held to permit or to be an approval of the violation or provisions of any City Ordinance, State or Federal Law.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

MARK	DATE	DESCRIPTION
		CS&C CONSULTANTS, INC. THESE PLANS AND DETAILS ARE REVIEWED FOR CODE COMPLIANCE THE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT OR ANY VIOLATION OF ANY CODE OR ORDINANCE. <i>James Kuo</i> 2/23/2023 AND SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTION

Drawing No:
M0.01-L

EXHAUST FAN SCHEDULE (SHOWN FOR REFERENCE ONLY)												
TAG	SERVICE	PERFORMANCE DATA				MOTOR DATA		DIMENSIONAL DATA		MANUFACTURER	MODEL NO.	NOTES
		CFM	TSP (IN)	HP	FAN TYPE	HP	V/PH/Hz	OPERATING WEIGHT (LB)	LxWxH (IN)			
LE-1	LIBRARY	2600	3/4	1	BELT	1.3	460/3/60	-	-	SHELDON	165F	-

NOTES:

1. -

TAG	SERVICE	PERFORMANCE DATA				MOTOR DATA		DIMENSIONAL DATA		MANUFACTURER	MODEL NO.	NOTES
		CFM	TSP (IN)	HP	FAN TYPE	HP	V/PH/Hz	OPERATING WEIGHT (LB)	LxWxH (IN)			
LE-1	LIBRARY	2600	3/4	1	BELT	1.3	460/3/60	-	-	SHELDON	165F	-

NOTES:

1.-

SUPPLY FAN SCHEDULE (SHOWN FOR REFERENCE ONLY)												
TAG	SERVICE	TSP (IN)	CFM					GPM		LAT		NOTES
			SA	RA MAX	OSA MIN	COOLING COIL MAX	HEATING COIL MAX	COOLING COIL	HEATING COIL	COLD SA TEMP ("F DB)	HOT SA TEMP ("F DB)	
LS-1	LIBRARY	4	43200	-	-	-	-	260	82	55	95	-
LS-2	LIBRARY	4	46400	-	-	-	-	280	88	55	95	-

NOTES:

1.-

TAG	SERVICE	TSP (IN)	CFM					GPM		LAT		NOTES
			SA	RA MAX	OSA MIN	COOLING COIL MAX	HEATING COIL MAX	COOLING COIL	HEATING COIL	COLD SA TEMP (*F DB)	HOT SA TEMP (*F DB)	
LS-1	LIBRARY	4	43200	-	-	-	-	260	82	55	95	-
LS-2	LIBRARY	4	46400	-	-	-	-	280	88	55	95	-

NOTES:

1.-

APPROVED

APPROVED

By Ali Pourazghalagheh
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

700 S. Flower St., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

700 S. Flower St., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

TSKA HENNESSY
GROUP

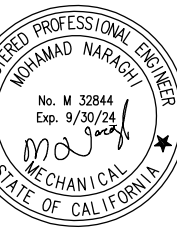
Member company of SH Group, Ltd.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

MIT SET

PROJECT # 10012000362

EMBER 28, 2022



SCHEDULES

DATE	DESCRIPTION
------	-------------

PLANS AND DETAILS ARE

VIEWED FOR COMPLIANCE

ALL NOT BE CONSTRUED TO BE A PERM
ITION OF ANY CODE OR ORDINANCE.

me Ku

023 7

ONLY USE FOR FOR ALL REQUESTED WORKS

ing No:

10.02-L

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



MECHANICAL
DETAILS

MARK DATE DESCRIPTION
11-1-2023 MECHANICAL REVISIONS

**REVIEWED FOR
CODE COMPLIANCE**

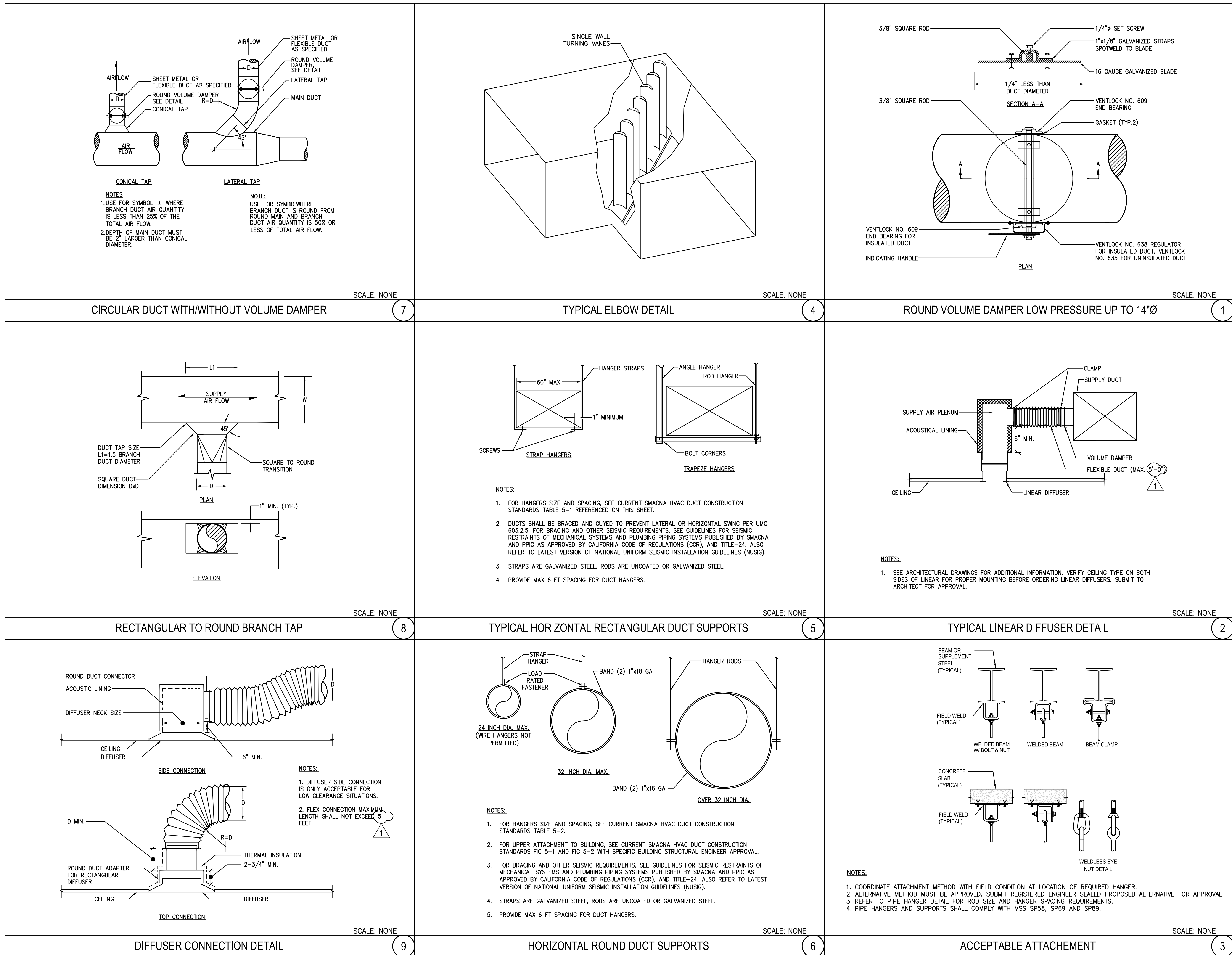
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By James Lee
Date 2/23/2023

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

M0.03-L



DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Edo Ponnasathaghe
Date 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

①

M2.01-L

DEMOLITION
PLAN - LEVEL 1

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



DEMOLITION
PLAN - LEVEL 2

MARK DATE DESCRIPTION

**REVIEWED FOR
CODE COMPLIANCE**

THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By Genae Ku

Date 2/23/2023

Drawing No:

M2.02-L

1. CUT AND CAP ANY AND ALL DUCTWORK, AND PRESERVE ALL EQUIPMENT, ACCESSORIES, AND DIFFUSERS THAT WILL INTERFERE WITH SEISMIC RETROFIT/ ARCHITECTURAL SCOPE OF WORK UPGRADES. ALL (E) HVAC DISTRIBUTION TO BE REROUTED AND RECONNECTED ONCE STRUCTURAL AND ARCHITECTURAL SCOPES OF WORK HAVE BEEN COMPLETE.
2. CONTRACTOR SHALL VERIFY AND DOCUMENT ALL EQUIPMENT, DUCTWORK, AND DIFFUSER SIZES PRIOR TO ANY DEMOLITION WORK.

1. CONTRACTOR SHALL PROVIDE PRE BALANCE TAB REPORT FOR ALL EXISTING DIFFUSERS & GRILLES PRIOR TO ANY DEMOLITION WORK.
2. DEMOLISH (E) CEILING DIFFUSERS & PROVIDE TEMPORARY CAP. THE REMAINDER OF (E) HVAC EQUIPMENT AND DUCTWORK IN THIS AREA SHALL REMAIN.
3. DISCONNECT AND/OR REMOVE HVAC DISTRIBUTION, INCLUDING TERMINAL UNITS, DUCTWORK, AND DUCT ACCESSORIES, THAT WILL CONFLICT WITH INSTALLATION OF NEW SEISMIC DAMPERS.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Ali Pourazghalagheh
Date 04/13/2023

This set of plans & specifications **MUST** be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications **SHALL NOT** be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

	Mean	SD	95% CI
Age at baseline	60.7	8.1	(54.6-66.8)
Female sex	50.0	50.0	(0-100)
Married	50.0	50.0	(0-100)
White ethnicity	50.0	50.0	(0-100)
High education	50.0	50.0	(0-100)
Smoker	50.0	50.0	(0-100)
Alcohol consumption	50.0	50.0	(0-100)
Depression	50.0	50.0	(0-100)
Stroke	50.0	50.0	(0-100)
Hypertension	50.0	50.0	(0-100)
Diabetes	50.0	50.0	(0-100)
Heart failure	50.0	50.0	(0-100)
Coronary artery disease	50.0	50.0	(0-100)
Chronic kidney disease	50.0	50.0	(0-100)
Cancer	50.0	50.0	(0-100)
Mental health	50.0	50.0	(0-100)
Physical health	50.0	50.0	(0-100)
Social health	50.0	50.0	(0-100)
Economic health	50.0	50.0	(0-100)
Environmental health	50.0	50.0	(0-100)
Healthcare access	50.0	50.0	(0-100)
Healthcare quality	50.0	50.0	(0-100)
Healthcare costs	50.0	50.0	(0-100)
Healthcare outcomes	50.0	50.0	(0-100)
Healthcare equity	50.0	50.0	(0-100)
Healthcare sustainability	50.0	50.0	(0-100)
Healthcare innovation	50.0	50.0	(0-100)
Healthcare leadership	50.0	50.0	(0-100)
Healthcare governance	50.0	50.0	(0-100)
Healthcare regulation	50.0	50.0	(0-100)
Healthcare accreditation	50.0	50.0	(0-100)
Healthcare certification	50.0	50.0	(0-100)
Healthcare inspection	50.0	50.0	(0-100)
Healthcare audit	50.0	50.0	(0-100)
Healthcare evaluation	50.0	50.0	(0-100)
Healthcare research	50.0	50.0	(0-100)
Healthcare development	50.0	50.0	(0-100)
Healthcare improvement	50.0	50.0	(0-100)
Healthcare transformation	50.0	50.0	(0-100)
Healthcare reform	50.0	50.0	(0-100)
Healthcare change	50.0	50.0	(0-100)
Healthcare progress	50.0	50.0	(0-100)
Healthcare success	50.0	50.0	(0-100)
Healthcare achievement	50.0	50.0	(0-100)
Healthcare accomplishment	50.0	50.0	(0-100)
Healthcare realization	50.0	50.0	(0-100)
Healthcare fulfillment	50.0	50.0	(0-100)
Healthcare completion	50.0	50.0	(0-100)
Healthcare conclusion	50.0	50.0	(0-100)
Healthcare result	50.0	50.0	(0-100)
Healthcare outcome	50.0	50.0	(0-100)
Healthcare effect	50.0	50.0	(0-100)
Healthcare impact	50.0	50.0	(0-100)
Healthcare influence	50.0	50.0	(0-100)
Healthcare power	50.0	50.0	(0-100)
Healthcare authority	50.0	50.0	(0-100)
Healthcare control	50.0	50.0	(0-100)
Healthcare management	50.0	50.0	(0-100)
Healthcare organization	50.0	50.0	(0-100)
Healthcare system	50.0	50.0	(0-100)
Healthcare network	50.0	50.0	(0-100)
Healthcare infrastructure	50.0	50.0	(0-100)
Healthcare platform	50.0	50.0	(0-100)
Healthcare framework	50.0	50.0	(0-100)
Healthcare model	50.0	50.0	(0-100)
Healthcare approach	50.0	50.0	(0-100)
Healthcare strategy	50.0	50.0	(0-100)
Healthcare plan	50.0	50.0	(0-100)
Healthcare policy	50.0	50.0	(0-100)
Healthcare law	50.0	50.0	(0-100)
Healthcare rule	50.0	50.0	(0-100)
Healthcare regulation	50.0	50.0	(0-100)
Healthcare standard	50.0	50.0	(0-100)
Healthcare guideline	50.0	50.0	(0-100)
Healthcare protocol	50.0	50.0	(0-100)
Healthcare procedure	50.0	50.0	(0-100)
Healthcare process	50.0	50.0	(0-100)
Healthcare method	50.0	50.0	(0-100)
Healthcare technique	50.0	50.0	(0-100)
Healthcare tool	50.0	50.0	(0-100)
Healthcare device	50.0	50.0	(0-100)
Healthcare equipment	50.0	50.0	(0-100)
Healthcare facility	50.0	50.0	(0-100)
Healthcare institution	50.0	50.0	(0-100)
Healthcare organization	50.0	50.0	(0-100)
Healthcare company	50.0	50.0	(0-100)
Healthcare enterprise	50.0	50.0	(0-100)
Healthcare industry	50.0	50.0	(0-100)
Healthcare sector	50.0	50.0	(0-100)
Healthcare market	50.0	50.0	(0-100)
Healthcare economy	50.0	50.0	(0-100)
Healthcare finance	50.0	50.0	(0-100)
Healthcare investment	50.0	50.0	(0-100)
Healthcare capital	50.0	50.0	(0-100)
Healthcare resource	50.0	50.0	(0-100)
Healthcare asset	50.0	50.0	(0-100)
Healthcare liability	50.0	50.0	

[illegible][illegible][illegible][illegible][illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 2
Scale: 1/8"=1'-0"

Scale: 1/8"=1'-0"

1

M2.20-L

1

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

M2.21-L

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specification SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specification SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

1 MECHANICAL FLOOR PLAN - LEVEL 2
Scale: 1/8"=1'-0"

SHEET NOTES

1. (E) HVAC DISTRIBUTION TO BE REWORKED IF CONFLICTING WITH (N) ARCHITECTURAL OR STRUCTURAL SCOPE. (E) TERMINAL UNITS, DUCTWORK, ACCESSORIES, DIFFUSERS, AND GRILLES TO BE DISCONNECTED AND RECONNECTED TO ACCOMMODATE NEW ARCHITECTURAL OR STRUCTURAL SCOPE.
2. ANY (N) TERMINAL UNITS, DUCTWORK, AND DIFFUSERS SIZES SHALL BE COORDINATED AND CALCULATED AFTER PRE TAB AIRFLOWS AND AS BUILT DOCUMENTATION HAVE BEEN RECEIVED.

 SHEET KEYNOTES

1. PROVIDE (N) SA AND RA GRILLES IN CEILING. PROVIDE CONNECTION FROM (E) SA DUCTWORK TO (N) SA DIFFUSERS. NEW AIR DEVICES SHALL BE COMPATIBLE WITH THE NEW ARCHITECTURAL CEILING TYPE. REBALANCE (N) SA DIFFUSERS TO PRE BALANCE AIRFLOWS. MATCH PRIOR CONDITIONS AS BEST AS POSSIBLE.
2. REINSTALL AND RECONNECT ALL HVAC DISTRIBUTION, INCLUDING TERMINAL UNITS, DUCTWORK AND DUCTWORK ACCESSORIES ONCE STRUCTURAL SCOPE OF WORK IS COMPLETE IF HVAC COMPONENTS ARE IN GOOD WORKING CONDITION.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By Eli Pouraghahagheh
Date 04/13/2023

This set of plans & specifications **MUST** be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications **SHALL NOT** be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

SCOPE OF WORK

INTERNAL AREA
NOT IN SCOPE OF
WORK

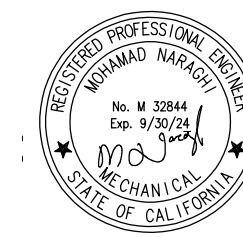
SEISMIC DAMPER:

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



PARTITION
PLAN - LEVEL 2

MARK DATE DESCRIPTION

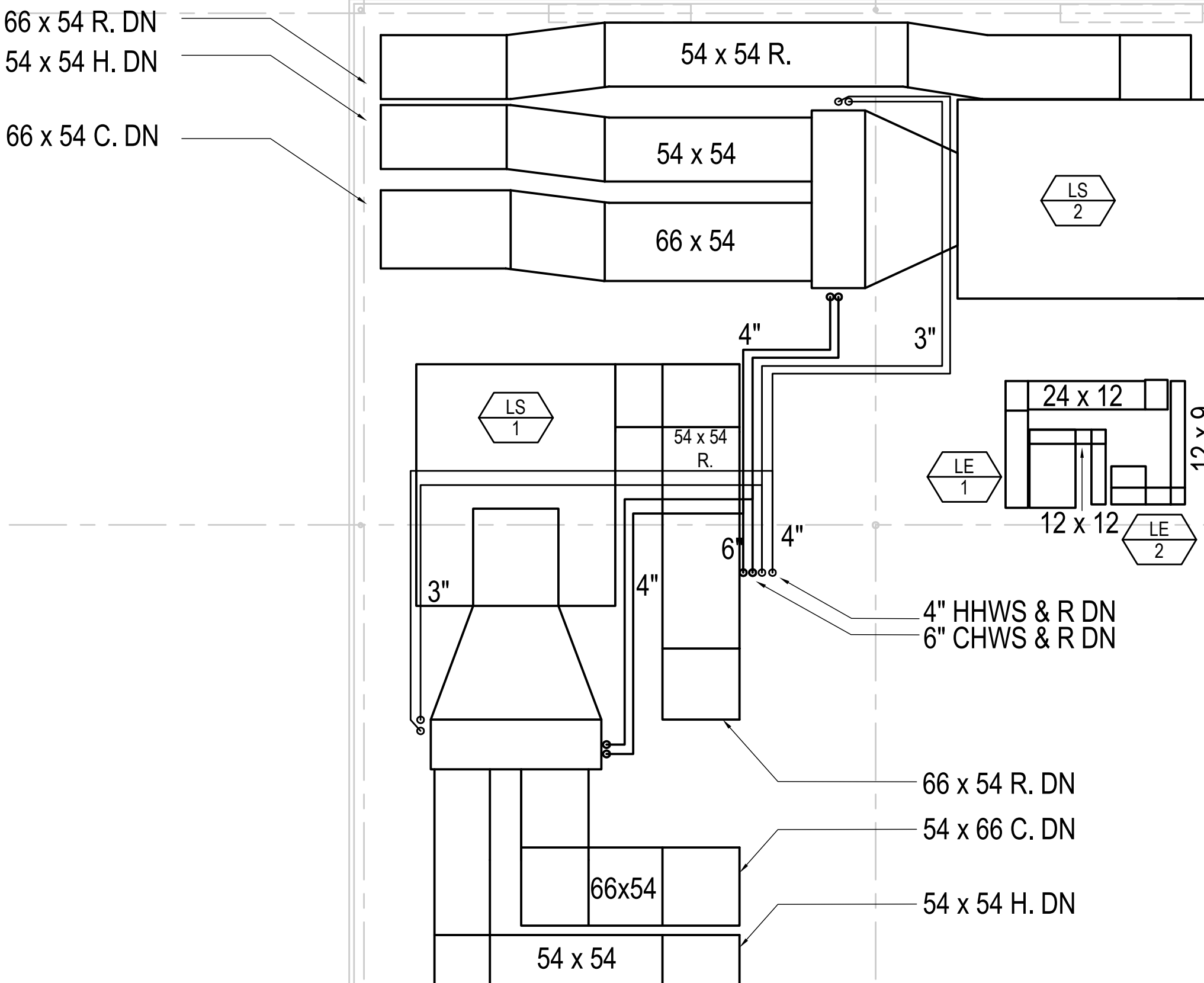
CSG CONSULTANTS, INC.
THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**

THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By Genae Ku
Date 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

M2.22-L



1. PENTHOUSE SHOWN FOR REFERENCE ONLY

1. 5

kpff
700 S. Flower St., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

ODAV


SYSKA HENNESSY
GROUP

A member company of SH Group.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

KPFF PROJECT # 10012000362
NOVEMBER 28, 2022



Drawing No.

M2.24-L

1 MECHANICAL FLOOR PLAN - LEVEL 3
Scale: 1/8"=1'-0"

A-	ADDITIONAL	FCA	FAULT CURRENT AVAILABLE, FLOOR CONTROL VALVE ASSEMBLY
AFF	ABOVE FINISHED FLOOR	FDR	FEEDER
AIC	AMPERE INTERRUPTING CAPACITY	FLEX	FLEXIBLE
AMP	AMPERE	FL / FLR	FLOOR
ANN	ANNUNCIATOR	FLUOR	FLUORESCENT
APPD	APPROVED	FR	FIRE RATING, FLOOR RECEPTACLE
APPX	APPENDIX	FREQ	FREQUENCY
ARCH	ARCHITECT	FT	FOOT, FEET
ATCH	ATTACHMENT	FU	FUSE
ATS	AUTOMATIC TRANSFER SWITCH	FU SW	FUSED SWITCH
AUTO	AUTOMATIC	FUT	FUTURE
AUX	AUXILIARY	-G-	
AV	AUDIO VISUAL, ALARM VALVE	G	GROUND, GAS, GREEN
AVG	AVERAGE	GC	GENERAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE	GEN	GENERATOR
-B-		GFCI	GROUND FAULT CIRCUIT INTERRUPTER
BAS	BUILDING AUTOMATION SYSTEM	-H-	
BAT	BATTERY	HP	HORSEPOWER
BFF	BELOW FINISH FLOOR	HZ	HERTZ
BKGD	BACKGROUND	-J-	
BLDG	BUILDING	JB	JUNCTION BOX
BLW	BELOW / UNDERGROUND	-L-	
BOS	BOTTOM OF STEEL	LTG	LIGHTING
BOT	BOTTOM	LV	LOW VOLTAGE
BRKR	BREAKER	-M-	
BSMT	BASEMENT	MAX	MAXIMUM
BSTR	BOOSTER	MCB	MAIN CIRCUIT BREAKER
BTWN	BETWEEN	MCC	MOTOR CONTROL CENTER
-C-		MECH	MECHANICAL
CAB	CABINET	MIN	MINIMUM, MINUTE
CAP	CAPACITOR, CAPACITY	MV	MEDIUM VOLTAGE
CB	CIRCUIT BREAKER, CATCH BASIN	-N-	
CCT	CORRELATED COLOR TEMPERATURE	NC	NORMALLY CLOSED
CCTV	CLOSED CIRCUIT TELEVISION	NEUT	NEUTRAL
CD	CONSTRUCTION DOCUMENT, CEILING DIFFUSER	NO	NORMALLY OPEN, NUMBER
CERT	CERTIFY	NTS	NOT TO SCALE
CH	CHILLER	-P-	
CHK	CHECK	P	POLE
CKT	CIRCUIT	PB	PULL BOX, PUSH BUTTON
CL	CENTER LINE, CLOSE, CLOSET	PH	PHASE
CLG	CEILING	PNL	PANEL
CONC	CONCRETE	PWR	POWER
CONN	CONNECT, CONNECTION	-R-	
COOR	COORDINATE	(R)	REMOVE EXISTING
CORR	CORRIDOR	REC	RECESSED
CP	CONTROL PANEL, CHROME PLATED	RECP	RECEPTACLE
CR	CONTROL RELAY, CARD READER, CASING RELIEF VALVE	REQD	REQUIRED
CS	CONTROL SWITCH	RM	ROOM
CTRL	CONTROL	-S-	
CTV	CABLE TELEVISION, CONTROL VALVE	SCHED	SCHEDULE
-D-		SD	SMOKE DETECTOR/DAMPER, STORM DRAIN
(D)	EXISTING TO BE DEMOLISHED	SECT	SECTION
DC	DIRECT CURRENT	SPEC	SPECIFICATION
DDC	DIRECT DIGITAL CONTROL	SPKR	SPEAKER
DEF	DEFINITION	SWBD	SWITCHBOARD
DEG	DEGREE	SWGR	SWITCHGEAR
DEG F	DEGREES FAHRENHEIT	SYS	SYSTEM
DEMO	DEMOLITION	-T-	
DESCR	DESCRIPTION	TELCOM	TELECOMMUNICATIONS
DET	DETAIL	TV	TELEVISION, TURNING VANES
DGTL	DIGITAL	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
DIAG	DIAGRAM	TYP	TYPICAL
DIM	DIMENSION	-U-	
DIR	DIRECTION	UC	UNDERCOUNTER
DISC	DISCONNECT	UGND	UNDERGROUND
DISCH	DISCHARGE	UL	UNDERWRITERS LABORATORIES
DISTR	DISTRIBUTION PANEL	UON	UNLESS OTHERWISE NOTED
PNL		UPS	UNINTERRUPTIBLE POWER SUPPLY
DIV	DIVISION	UTIL	UTILITY
DMR	DIMMER	-V-	
DS	DISCONNECT SWITCH	V	VOLT, VENT, VIDEO
DWG	DRAWING	VA	VOLT AMPERE
-E-		VFD	VARIABLE FREQUENCY DRIVE
(E)EX	EXISTING TO REMAIN, EXAMPLE	VHO	VERY HIGH OUTPUT
(ER)	EXSTING TO BE RELOCATED	VOLT	VOLTAGE
EA	EACH	-W-	
EH	ELECTRIC HEATER	W	WATT, WIRE, WIDTH, WALL PHONE, WASTE
EL	ELEVATION, ELEVATOR LOBBY	W/	WITH
ELEC	ELECTRIC, ELECTRICAL	W/O	WITHOUT
EMER	EMERGENCY	WP	WEATHERPROOF, WORKING PRESSURE
ENVIR	ENVIRONMENT	-X-	
EPO	EMERGENCY POWER OFF	XFER	TRANSFER
EQ	EQUAL	XFMR	TRANSFORMER
EQUIP	EQUIPMENT		
EQUIV	EQUIVALENT		
EXCL	EXCLUDE		
EXH FN	EXHAUST FAN		
EXIST	EXISTING		
EXT	EXTERNAL		
-F-			
F	FAHRENHEIT, FIRE SERVICE, FEMALE		
FA	FIRE ALARM, FACE, FREE AREA		
FAAP	FIRE ALARM ANNUNCIATOR PANEL		
FACP	FIRE ALARM CONTROL PANEL		
FC	FOOTCANDLE		

ANNOTATION			
	VIEW TITLE SCALE: NTS	PLAN TITLE NO. - 1	
	TITLE SCALE: NTS	TITLE MARK DETAIL OR PLAN NO. - 1 FOUND IN E-201	
	1 E-501	DETAIL REFERENCE DETAIL NO. - 1 FOUND IN E-501	
	1 E-501	SECTION MARK SECTION NO. - 1 FOUND IN E-501	
	2 E-201	DETAIL BOUNDARY (RECTANGLE) DETAIL NO. - 2	
	1	SHEET KEYNOTE	
	1	REVISION CLOUD (DELTA 1)	
	AC 1-1	EQUIPMENT TAG MARK - AC MARK NO. - 1-1	
LP4:12		PANEL CIRCUIT	
		POINT OF CONNECTION	
		POINT OF DISCONNECTION	
POWER OUTLETS			
FLR	WALL	CLG	
			DUPLEX
			QUADRUPLEX
			GFCI DUPLEX
			SIMPLEX
			EMERGENCY DUPLEX
			EMERGENCY QUADRUPLEX
			EMERGENCY SIMPLEX
			FLOOR BOX X = TYPE
			JUNCTION BOX
			POWER/VOICE DATA WHIP - JUNCTION BOX
			POKE THRU X = TYPE
			COUNTERTOP DUPLEX
			ISOLATED GROUND DUPLEX
			ISOLATED GROUND SIMPLEX
			WEATHER PROOF DUPLEX
			SPLIT WIRE
			SPECIAL OUTLET
			MULTI OUTLET SURFACE RACEWAY
LIGHTING			
FLR	WALL	CLG	
			RECESSED DOWNLIGHT
			1X4 SURFACE MOUNTED LIGHT
			2X4 SURFACE MOUNTED LIGHT
			4FT WALL MOUNTED LIGHT
			1X4 EMERGENCY LIGHT
			2X4 EMERGENCY LIGHT
			2X4 RECESSED LIGHT
			EXIT SIGN 1 FACE LEFT ARROW
			EXIT SIGN 1 FACE RIGHT ARROW
			EMERGENCY BATTERY PACK
			EMERGENCY BATTERY PACK W/ EXIT SIGN
SWITCHES/CONTROLS			
FLR	WALL	CLG	
			LIGHT SWITCH - TIME OPERATED
			LIGHT SWITCH - SINGLE POLE
			LIGHT SWITCH - THREE WAY
			LIGHT SWITCH - KEY OPERATED
			LIGHT SWITCH - WITH PILOT LIGHT

FLR	WALL	CLG	SWITCH - WITH THERMAL OVERLOAD
	\$ ^{TO}		
	D 3x		DIMMER 3 - 3 WAY CONTROL
	CS	CS	OCCUPANCY SENSOR
		PP	OCCUPANCY SENSOR POWER PACK
	PC		PHOTOCELL
	CR		VERRIDE SWITCH
POWER			
			DISTRIBUTION BOARD
			RECESSED PANEL
			SURFACE MOUNTED PANEL
	T		TRANSFORMER
			DISCONNECT SWITCH
			FUSED DISCONNECT SWITCH
			MAGNETIC MOTOR STARTER
			STARTER - DISCONNECT SWITCH
	\$ ^M		SWITCH - MOTOR RATED
	M		MOTOR
	R		RELAY
	VFD		VARIABLE FREQUENCY DRIVE
	PB		PULL BOX
			CABLE TRAY
SINGLE LINE DIAGRAM			
			CIRCUIT BREAKER SWITCH
			FUSE - INLINE
			FUSE SWITCH
			FUSED - SWITCH BUS PLUG
	CB		CIRCUIT BREAKER - ENCLOSED
	K		KIRK KEY INTERLOCK
			BUSDUCT
			SWITCHGEAR BUSWAY
	SPF		GROUND FAULT RELAY
	A		AMMETER
	M		DIGITAL METER UON
			TRANSFORMER - DELTA WYE-GROUNDED
	E L BP		ATS - 3-POLE UON BP - WITH BYPASS ISOLATION
			BATTERY
			GENERATOR
			PANEL
	2000-5+		2000 = AMPACITY 3-NO, 4-SINGLE, 5-DOUBLE = NEUTRAL (+) = ADDITIONAL INFO AS REQUIRED
GROUNDING SYSTEM			
			GROUND ROD WITH TEST WELL
			GROUND ROD
			GROUND BAR
			AIR TERMINAL - STRIKE TERMINATION DEVICE, FLAT MTD
			AIR TERMINAL - STRIKE TERMINATION DEVICE, PARAPET MTD
			GROUND, LPS CABLE CONNECTION
			EQUIPMENT CONNECTION

FIRE ALARM	
	CONTROL RELAY
	DOOR HOLDER
	MANUAL PULL STATION
XX	SPEAKER UNIT - CEILING MOUNTED (XX = SPEAKER CIRCUIT)
110cd	SPEAKER STROBE UNIT - CEILING MOUNTED
110cd	STROBE UNIT - CEILING MOUNTED
S 15cd	SPEAKER UNIT - WALL MOUNTED
ST 15cd	SPEAKER STROBE UNIT - WALL MOUNTED
ST 15cd	STROBE UNIT - WALL
	GONG - TROUBLE
	WATER FLOW SWITCH
	TAMPER SWITCH
	PRESSURE SWITCH
FIRE ALARM SMOKE-HEAT DETECTORS	
	SMOKE-HEAT DETECTOR R=DENOTES ELEVATOR MACHINE ROOM
	HEAT DETECTOR R=DENOTES ELEVATOR MACHINE ROOM
	SMOKE DETECTOR
	DUCT MOUNTED SMOKE DETECTOR X=S DENOTES: SUPPLY X=R DENOTES: RETURN
FIRE ALARM PANELS	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM POWER SUPPLY PANEL
	FIRE ALARM REMOTE LCD ANNUNCIATOR PANEL
	FIRE ALARM DIGITAL ALARM COMMUNICATOR TRANSMITTER
	FIRE ALARM AIR SAMPLING SMOKE DETECTION PANEL
	FIRE ALARM PRE-ACTION PANEL
	FIRE ALARM PRINTER
WIRING	
A-1,3	HOMERUN TO CKT 1 & 3 IN PANEL "A" (2 HOTS, 1 NEUTRAL & 1 GROUND)
	3/4\" data-bbox="115 765 145 785"/>
	3/4\" data-bbox="115 795 145 815"/>
	3/4\" data-bbox="115 825 145 845"/>
	3/4\" data-bbox="115 855 145 875"/>
	CONDUIT CONCEALED IN WALLS OR CEILING
	CONDUIT CONCEALED IN OR UNDER FLOOR OR UNDERGROUND
	CONDUIT/RACEWAY/ WIREMOLD GOING UP
	CONDUIT/RACEWAY/ WIREMOLD GOING DOWN
	STUBBED & CAPPED CONDUIT
	CONDUIT SLEEVE
	FLEXIBLE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUBBED OUT

1. ALL WORK SHALL COMPLY WITH THE 2019 CEC, THE 2019 STATE OF CALIFORNIA ENERGY CODE (IF APPLICABLE) AND ALL GOVERNING CODES AND ORDINANCES.
2. SERIES RATED SYSTEM ARE NOT ACCEPTABLE. ELECTRICAL DISTRIBUTION SYSTEM SHALL BE FULLY RATED AND EQUIPMENT A/C RATINGS SHALL EXCEED CALCULATED VALUES.
3. USE OF MC CABLES ARE NOT PERMITTED ON THIS PROJECT.
4. RACEWAYS SHALL BE EMT IN CONCEALED AREAS.
5. EXPOSED RACEWAYS SHALL BE RIGID STEEL CONDUIT (RSC).
6. ALL ELECTRICAL MATERIALS SHALL BE NEW AND BEAR THE UNDERWRITERS (AND/OR EQUIVALENT TESTING AGENCY) LABEL. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF INGLEWOOD RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
7. UNLESS REQUESTED OTHERWISE, THE AMPACITY OF 600 VOLTS OR LESS CONDUCTORS SHALL BE BASED ON THE TERMINALS NOT TO EXCEED 60°C (140°F) FOR CONDUCTOR SIZE 14 THROUGH 1 AWG OR 75°C (167°F) FOR CONDUCTOR SIZE OVER 1 AWG.
8. MINIMUM SIZE OF CONDUIT SHALL BE 3/4" MINIMUM SIZE OF NEUTRAL CONDUCTORS SHALL BE #10 AWG, U.O.N., MINIMUM SIZE OF CONDUCTORS SHALL BE #12 AWG, U.O.N., MINIMUM CONDUCTOR SIZE AT 120 VOLTS AND OVER 89 FT. CIRCUIT LENGTH SHALL BE #10 AWG, U.O.N., MINIMUM CONDUCTOR SIZE AT 277 VOLTS AND OVER 160 FT. CIRCUIT LENGTH SHALL BE #10 AWG, U.O.N.
9. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.
10. FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS.
11. GREEN INSULATED COPPER GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL BRANCH CIRCUITS AND FEEDERS.
12. ALL CONDUCTORS SHALL BE COPPER TYPE THWN INSULATION. ALL SWITCHBOARD, PANELBOARD ALL LIGHTING AND XFMR WINDINGS SHALL BE COPPER. NO ALUMINUM IS ALLOWED ON THIS PROJECT.
13. ALL BUSSING CONTROL DEVICES SHALL BE CALIFORNIA ELECTRICAL CODE CERTIFIED.
14. REMOVE MECHANICAL & PLUMBING DRAWINGS & INCLUDE IN BID WORK ASSOCIATED WITH SMOKE DETECTORS AND CONTROLLERS, INCLUDING BUT NOT LIMITED TO DUCT MOUNTED SMOKE DETECTORS AND 120V CIRCUITS FOR DAMPERS, NO FOREIGN ACCESSORY, INCLUDING BUT NOT LIMITED TO DUCTS OR PIPING, CAN BE ROUTED THROUGH ELECTRICAL ROOMS AND OR ABOVE ELECTRICAL EQUIPMENT LOCATED OUTSIDE ELECTRICAL ROOMS. COORDINATED ALL SUCH SPACES IN FIELD WITH ASSOCIATED SUBCONTRACTORS AND BRING ANY CONFLICT TO GENERAL CONTRACTOR ATTENTION FOR COORDINATION.
15. CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWINGS PRIOR TO COMPLETION OF PROJECT FOR REVIEW BY ARCHITECT AND ENGINEER.
16. MAINTAIN CIRCUIT CONTINUITY TO THE AREAS NOT AFFECTED BY THE ALTERATION.
17. CONTRACTOR SHALL COMPLY WITH BOOK SPECIFICATIONS FOR ALL EQUIPMENT.
18. ALL J-BOXES TO BE IN ACCESSIBLE CEILING SPACE. WHERE EXISTING J-BOXES ARE LOCATED WHERE NEW UN ACCESSIBLE CEILING IS BEING INSTALLED, RELOCATED J-BOXES TO ACCESSIBLE CEILING CONDUIT AND WIRE TO ACCOMMODATE RELOCATION.
19. THE CONTRACTOR SHALL PROVIDE PULL CORDS IN ALL EMPTY CONDUITS, WHERE MORE THAN ONE CONDUIT TERMINATES IN A JUNCTION BOX, THE ELECTRICAL CONTRACTOR SHALL IDENTIFY EACH J-BOX AND CONDUIT IN A MANNER ALLOWING IDENTIFICATION OF J-BOXES AND CONDUITS AFTER ALL WALL FINISHES HAVE BEEN APPLIED.
20. ALL J-BOXES SHALL BE SIZED PER CEC ARTICLE 314, TABLE 314.16(A).
21. OCP FOR MECHANICAL/PLUMBING EQUIPMENT SHALL BE BASED ON EQUIPMENT MANUFACTURER'S RECOMMENDATION.
22. FIRE ALARM SYSTEM SHALL BE DESIGN/BUILD UNDER DEFERRED PERMIT. REFER TO FIRE LIFE SAFETY NOTES BELOW. REFER TO BUILDING STANDARD FOR ADDITIONAL REQUIREMENTS.
23. COORDINATE ANY REQUIRED ELECTRICAL OUTAGES AND RECONNECTIONS WITH LANDLORD AND TENANT REPRESENTATIVE AT LEAST A WEEK IN ADVANCE.
24. PROVIDE ACCESS TO LANDLORD FOR ACCESS TO OTHER TENANT SPACES.
25. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING & IT/AV/SECURITY DRAWINGS & PROVIDE POWER FOR ALL ACCORDINGLY.
26. ALL CONNECTIONS TO FANS, MOTORS, TRANSFORMERS, ETC. SHOULD BE MADE WITH LIQUIDTIGHT FLEXIBLE CONDUIT.
27. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATION OF ALL RECEPTABLES AND AV/IT/SECURITY DEVICES. COORDINATE PRIOR TO ROUGH-IN.
28. ALL BRANCH CIRCUITING CONDUITS SHALL BE CONCEALED AND ROUTED IN AVAILABLE CEILING AND WALL SPACE. ALL FEEDER CONDUITS OUTSIDE OF ELECTRICAL ROOMS SHALL BE CONCEALED AND ROUTED IN AVAILABLE CEILING SPACE. COORDINATE EXPOSED LOCATIONS WITH ARCHITECT AS PART OF BID PROCESS.
29. CONTRACTOR TO COORDINATE ALL THE IT/AV/SECURITY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO QUANTITIES, CONDUIT AND BOX SIZES & EXACT DEVICE LOCATIONS AND ELEVATION, WITH CONSULTING DRAWINGS CONSULTANT/AND/OR ARCHITECT AND TENANT IT DEPARTMENT. INCLUDE ALL THE ASSOCIATED COST IN BID TO PROVIDE REQUIRED INFRASTRUCTURE PER CONSULTANTS/VENDORS DESIGN.
30. ALL NEW AND EXISTING ALTERED PANELBOARDS TO BE PROVIDED WITH TYPED CIRCUIT DIRECTORIES WITH TRACED EXISTING CONDITIONS AS PART OF FIELD VERIFICATIONS AND NEW LOADS ACCORDING TO BUILD-OUT.

BUILDING SEISMIC UPGRADE PROJECT. EXISTING BUILDING STRUCTURALLY IMPROVED. EXISTING BASE BUILDING MEP SYSTEMS ARE MODIFIED AND PRESERVED TO ALLOW STRUCTURAL WORK TO BE PERFORMED. CONTRACTOR SHALL FIELD VERIFY AND DOCUMENT EXISTING MEP CONDITION OF AREAS AFFECTED BY STRUCTURAL WORK, INCLUDING NEW BUILDING STRUCTURAL REINFORCEMENT ELEMENTS, FOR MEP IMPACT. CONTRACTOR TO ASSES EXISTING CONDITIONS(SPECIFICALLY CONCEALED SPACES) AND INCLUDE ALL ASSOCIATED COST TO RELOCATE, INTERCEPT, EXTEND AND RESTORE EFFECTED MEP SYSTEMS AS REQUIRED.

IN AREAS WHERE CEILING AND ASSOCIATED LIGHTING IS COMPLETELY REMOVED AS A RESULT OF REQUIRED ACCESS FOR STRUCTURAL IMPROVEMENTS NEW LIGHTING IS PROVIDED. MODIFICATIONS ARE BASED ON NEW REQUIREMENTS AND SPACES ARE FITTED WITH NEW LIGHTING SYSTEMS INTEGRATED WITH EXISTING BASE BUILDING SYSTEMS. THE WORK SHOWN INDICATES ALTERATION OF EXISTING BASE BUILDING SYSTEMS.

1. CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION PRIOR TO SUBMITTING HIS/HER BID AND INCLUDE APPROPRIATE COSTS ACCORDINGLY.
2. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, WIRING DEVICES, RACEWAY, WIRING, CABLE, OUTLET BOXES, ETC. ABANDONED OR REPLACE AS A RESULT OF THIS WORK. ALL BRANCH CIRCUITING NOT USED AS A RESULT OF THIS BUILD-OUT SHALL BE REMOVED. BREAKERS TURNED IN 'OFF' POSITION AND MARKED AS SPARES ON FINAL PANEL SCHEDULE TYPED DIRECTORIES.
3. DISCONNECT EXISTING ELECTRICAL SYSTEMS IN WALLS. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT, WHICH HAS BEEN REMOVED. DISCONNECT AND REMOVE ABANDONED LUMINAIRES, BRACKETS, STEMS, HANGERS AND OTHER ACCESSORIES.
4. COORDINATE ANY REQUIRED ELECTRICAL OUTAGES AND RECONNECTIONS WITH LANDLORD AND TENANT REPRESENTATIVE AT LEAST A WEEK IN ADVANCE.
5. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY. REMOVE EXPOSED ABANDONED RACEWAY AND BOXES INCLUDING ABANDONED SYSTEM ABOVE ACCESSIBLE CEILING FINISHES.
6. IF ANY FINISHES SUCH AS TILES, ETC. IS DAMAGED AS A RESULT OF DEMOLITION WORK, CONTRACTOR IS RESPONSIBLE TO REPLACE SUCH ITEMS WITH NEW ACCORDINGLY.
7. MAINTAIN ACCESS AND CIRCUIT CONTINUITY TO EXISTING ACTIVE ELECTRICAL INSTALLATIONS.
8. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED.
9. CLEAN AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS OF EXISTING EQUIPMENT TO REMAIN.

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

MARK	DATE	DESCRIPTION
CS&C CONSULTANTS, INC. THESE PLANS AND DETAILS ARE REVIEWED FOR CODE COMPLIANCE THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE. By <u><i>James Kim</i></u> Date <u>2/23/2023</u> THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS		

E0.01-L



PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022

TITLE 24
COMPLIANCE
FORMS

MARK SEDGHI
DATE: 2/23/2023
DESCRIPTION: THESE PLANS AND DETAILS ARE
**REVIEWED FOR
CODE COMPLIANCE**
THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT
FOR VIOLATION OF ANY CODE OR ORDINANCE.
By: *Mark Sedghi*
Date: 2/23/2023
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

E0.02-L

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	
Project Name:	Library - City of Inglewood	Report Page:	(Page 3 of 7)
Project Address:	101 W Manchester Blvd	Date Prepared:	12/21/2021

F. INDOOR LIGHTING FIXTURE SCHEDULE

L10	L10 - 35.2w LED	No	No	36	Mfr. Spec ¹	180	No	6,480		
Total Designed Watts: CONDITIONED SPACES										
10,476										

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment; the permit applicant should enter full rated wattage in column 05.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces. When an control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01	02	03
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector
		Pass
		Fail

Not Required 10,000 SF

Whole Building Auto Time Switch

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky Light Daylighting §130.1(d)	Secondary Daylighting §140.6(a)(1)	Interlocked Systems §140.6(a)(1)	Field Inspector
Typical Space no Daylight	All Other Space Types	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	Pass
Typical Space with Daylight	All Other Space Types	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included	No	Fail

Registration Number:

Registration Date/Time:

Registration Provider: EnergySoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.0.001
Schema Version: rev 20190401

Report Generated: 2021-12-21 12:48:35

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	
Project Name:	Library - City of Inglewood	Report Page:	(Page 6 of 7)
Project Address:	101 W Manchester Blvd	Date Prepared:	12/21/2021

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Yes	No	Form/Title	Field Inspector
			Pass
			Fail
●	○	NRCC-LTI-01-E - Must be submitted for all buildings	
○	●	NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	
○	●	NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.	
○	●	NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	
○	●	NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Yes	No	Form/Title	Field Inspector
			Pass
			Fail
●	○	NRCC-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	
●	○	NRCC-LTI-03-A - Must be submitted for automatic daylight controls.	
○	●	NRCC-LTI-04-A - Must be submitted for demand responsive lighting controls.	
○	●	NRCC-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)	

Registration Number:

Registration Date/Time:

Registration Provider: EnergySoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.0.001
Schema Version: rev 20190401

Report Generated: 2021-12-21 12:48:35

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	
Project Name:	Library - City of Inglewood	Report Page:	(Page 3 of 7)
Project Address:	101 W Manchester Blvd	Date Prepared:	12/21/2021

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1)	Allowed Lighting Power per §140.6(b) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)			Compliance Results	
	01	02	03	04	05	06	07	08	09	
	Complete Building §140.6(c)(1)	Area Category §140.6(c)(2)	Area Category Additional §140.6(c)(2)(+) (+)	Tailored §140.6(c)(3) (+)	Total Allowed (Watts)	Total Designed (Watts)	PAF Lighting Control Credits §140.6(a)(2) (-)	Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 §140.6	
	(See Table I)	(See Table I)	(See Table J)	(See Table K)		(See Table F)	(See Table P)			
Conditioned	0	28,285.55	0	0	= 28,285.55	2	10,476	0	= 10,476	COMPLIES
Unconditioned	0	0	0	0	= 0	2	0	0	= 0	COMPLIES
Controls Compliance (See Table H for Details)										
Rated Power Reduction Compliance (See Table Q for Details)										

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Exempt per §140.6(a)(3)	Design Watts	Field Inspector
L1	L1 - 18w LED	No	No	18	Mfr. Spec ¹	222	No	3,996	Pass

Registration Number:

Registration Date/Time:

Registration Provider: EnergySoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.0.001
Schema Version: rev 20190401

Report Generated: 2021-12-21 12:48:35

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	
Project Name:	Library - City of Inglewood	Report Page:	(Page 5 of 7)
Project Address:	101 W Manchester Blvd	Date Prepared:	12/21/2021

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: EnergySoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.0.001
Schema Version: rev 20190401

Report Generated: 2021-12-21 12:48:35

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVEDBy: *Edo Parnashalagh*
Date: 04/13/2023

This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.

PRELIMINARY LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NUMBER	VOLT	WATTS	DIMMING	DESCRIPTION
L1	FOCAL POINT	ZEPHYR 2X2 LED	UNV	18 W	0-10V	2x2 ACT LAY-IN CEILING LIGHT
L10	FINELITE	HPR LED 2x4 LED	UNV	35.2	0-10V	2x4 ACT LAY-IN CEILING LIGHT

GENERAL NOTES:

- FIXTURES SHALL BE U.L. LISTED/LABELED OR LISTED BY INGLEWOOD CITY RECOGNIZED ELECTRICAL TESTING LABORATORY AND INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING/LABELING.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION AND MOUNTING DETAIL. CONTRACTOR SHALL VERIFY AND COORDINATE WITH ARCHITECT AND LIGHTING DESIGNER FIXTURE MOUNTING DETAILS BASED ON FINAL SPECIFIED CEILING SYSTEM AND FIELD CONDITIONS. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING DIMENSIONS, QUANTITY AND DETAILS.
- ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH BUILDING STANDARD ELECTRONIC BALLAST.
- VERIFY ALL SPECIFIED FINISHES AND FIXTURE LAMP COLOR TEMPERATURE WITH LIGHTING DESIGNER/ARCHITECT PRIOR TO ORDERING. OBTAIN BUILDING ENGINEER'S REVIEW FOR COORDINATION PURPOSES OF EXISTING FIXTURES.
- ACCORDING TO BUILDING STANDARD IN TERMS OF TEMPERATURE COLORS.
- LIGHT FIXTURES USED FOR EMERGENCY EGRESS, ARE SUPPLIED FROM LIFE SAFETY PANELS. CONTROLLED LIGHT FIXTURES SHALL GO TO FULL BRIGHTNESS WHEN POWER IS LOST EVEN IF IN OFF OR DIMMED POSITION. PROVIDE UL924/L1008 MECHANICALS AS PART OF LIGHTING CONTROL SYSTEM.
- ELECTRICAL CONTRACTOR TO CONFIRM FIXTURE VOLTAGE FROM CIRCUITING SHOWN ON DRAWING. VOLTAGES OF EXISTING AND RELOCATED FIXTURES ARE BASED ON AVAILABLE AS-BUILTS. CONTRACTOR SHALL FIELD VERIFY EXISTING AND RELOCATED FIXTURE VOLTAGES AND MAKE NECESSARY ADJUSTMENT INCLUDING POWER FEEDS & CONTROL MODIFICATION TO PROVIDE COMPLETE FUNCTIONING LIGHTING SYSTEM. VOLTAGES OF NEW LIGHT FIXTURES IS BASED ON LIGHTING DESIGNER/ARCHITECT LIGHTING FIXTURE PACKAGE. CONTRACTOR SHALL COORDINATE ALL FIXTURE VOLTAGES AND MAKE NECESSARY ADJUSTMENT INCLUDING POWER FEEDS & CONTROL MODIFICATION TO PROVIDE COMPLETE FUNCTIONING LIGHTING SYSTEM.
- PROVIDE A J-BOX AT EACH EXIT SIGN LOCATION FOR FEED-THRU WIRING CONNECTION, AS APPLICABLE. EXIT SIGNS SHALL BE EQUIPPED WITH UL924 LISTED BATTERY UNIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPPING ALL FIXTURES WITH THE EXACT LAMPS SPECIFIED IN THE FIXTURE SCHEDULE.
- ALL BALLASTS TO HAVE TOTAL HARMONIC DISTORTION <10%.
- FOR 277V FIXTURES CONTRACTOR TO PROVIDE A PERMANENT RED WARNING LABEL NEAR BALLAST TO READ "CAUTION 277V BALLAST".
- VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR OR CEILING CONTRACTOR. PROVIDE FIXTURES WHICH ARE COMPATIBLE WITH THE CEILING SYSTEM AND INCLUDE ALL REQUIRED MOUNTING ACCESSORIES AND HARDWARE.
- CLEAN LENS AND RE-LAMP ALL EXISTING FIXTURES TO BE REUSED OR RELOCATED.
- PROVIDE LIGHTING FIXTURES COMPLETE WITH ALL NECESSARY COMPONENTS, AS REQUIRED FOR EACH TYPE OF MOUNTING. FIXTURE CATALOG NUMBERS DO NOT NECESSARILY DEVOTE SPECIFIC MOUNTING ACCESSORIES. ACQUIRE ALL NECESSARY ACCESSORIES TO SUCCESSFULLY COMPLETE INSTALLATION.
- THE FIXTURE WATTAGES SHALL NOT EXCEED WATTAGES SHOWN IN FIXTURE SCHEDULE AND USED IN TITLE 24 CALCULATIONS.
- PROVIDE REQUIRED REMOTE TRANSFORMERS/POWER SUPPLIES. COORDINATE WITH FIXTURE MANUFACTURER RECOMMENDED REMOTE TRANSFORMER/POWER SUPPLY REQUIREMENTS. REMOTE TRANSFORMER/DRIVERS FOR LOW VOLTAGE AND LED LIGHTING FIXTURES SHALL BE LOCATED IN NEAREST ACCESSIBLE SPACE. DISTANCE FROM TRANSFORMER/DRIVER TO FIXTURE SHALL BE MINIMIZED TO COMPLY WITH MAXIMUM ALLOWED PER MANUFACTURER'S RECOMMENDATION. PROVIDE SECONDARY FUSING AS REQUIRED. COORDINATE EXACT LOCATION OF REMOTE TRANSFORMER/DRIVER WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL LIGHT FIXTURES SHALL BE DIMMING CAPABLE. PROVIDE DIMMING LED DRIVERS FOR ALL LED LIGHTS. REFER TO ARCHITECTURAL PACKAGE FOR DRIVER SPECIFICATION/TYPE. CONTRACTOR SHALL ENSURE ALL LIGHT FIXTURES ARE COMPATIBLE WITH LIGHTING CONTROL SYSTEM. REFER TO LIGHTING CONTROL DIAGRAMS. SUBMIT COPY OF LIGHTING FIXTURE SUBMITTALS TO LIGHTING CONTROL MANUFACTURER FOR DIMMING COMPATIBILITY CROSS CHECK AS PART OF LIGHTING CONTROL SHOP DRAWING PROCESS.
- LIGHTING DESIGNER'S FIXTURE SCHEDULE IS SHOWN FOR REFERENCE AND FOR PLAN CHECK PURPOSES (T24 REVIEW). REFER TO LIGHTING DESIGNER & ARCHITECTURAL PACKAGE FOR COMPLETE FIXTURE SPECIFICATIONS, QUANTITIES, MOUNTING REQUIREMENTS, EXACT LOCATIONS AND ELEVATIONS. CONTRACTOR TO PROVIDE LENGTHS AS REQUIRED PER ARCHITECTURAL DRAWINGS. PATCH PAINT AS NEEDED IN PENETRATED WALL FOLLOWING INSTALLATION. REQUEST LIGHTING DESIGNER'S PACKAGE FOR BIDDING PURPOSES.

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	
Project Name:	Library - City of Inglewood	Report Page:	(Page 1 of 7)
Project Address:	101 W Manchester Blvd	Date Prepared:	12/21/2021

A. GENERAL INFORMATION

01 Project Location (city)	Inglewood	04 Total Conditioned Floor Area (ft²)	36,253
02 Climate Zone	5	05 Total Unconditioned Floor Area (ft²)	0
03 Occupancy Types Within Project (select all that apply):	06 # of Stories (Habitable Above Grade)		
☒ Office	☐ Retail	☒ Warehouse	☐ Hotel/Motel
☐ Parking Garage	☐ High-Rise Residential	☐ Relocatable	☐ Healthcare
		☒ School	☒ Support Areas
		☒ Other (Write in)	See Table I

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05	06
My Project Consists of (check all that apply):		Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System		Area Category Method	36253	Area Category Method	0
☐ New Lighting System - Parking Garage					
☒ Altered Lighting System					
Total Area of Work (ft²)			36253		0

Registration Number:

Registration Date/Time:

Registration Provider: EnergySoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.0.001
Schema Version: rev 20190401

Report Generated: 2021-12-21 12:48:35

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	
Project Name:	Library - City of Inglewood	Report Page:	(Page 4 of 7)
Project Address:	101 W Manchester Blvd	Date Prepared:	12/21/2021

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)(2)

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces		03	04	05	06
01	02	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment
Area Description	Complete Building or Area Category Primary Function Area				Area Category
Library Stack Area	Library Stacks	1.1	4,840	5,324	No
Receiving Area	Commercial Industrial Storage Shipping & Handling	0.6	812	487.2	No
Main Entry Lobby	Main Entry Lobby	0.85	311	264.35	No
Open Plan Office	Office Open Plan	0.6	1,273	763.8	No
Lounge and Break room	Lounge Breakroom or Waiting Area	0.65	2,406	1,563.9	No
Lounge and Break room	Lounge Breakroom or Waiting Area	0.65	1,080	702	No
Office > 250SF	Office greater than 250 square feet	0.65	410	266.5	No
Library Reading Area	Library Reading Area	0.8	6,883	5,346.4	No
Corridor	Corridor Area	0.6	666	399.6	No

**CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS**

SHEET NOTES

1. CONTRACTOR SHALL PROVIDE EXPANSION/DEFLECTION FITTINGS WHERE NEW STRUCTURAL ELEMENTS AND EXISTING RACEWAYS ARE IN CONFLICT.
2. CONTRACTOR TO FIELD VERIFY EXACT CIRCUIT NUMBER AND CONNECTION POINTS. INTENT IS TO RE USE EXISTING BRANCH CIRCUITS SUPPLYING EXISTING LIGHTS BEING REMOVED. DOCUMENT QUANTITY OF BRANCH CIRCUITS AVAILABLE TO REUSE.
3. ALL EXISTING J-BOXES, AND OTHER ELECTRICAL, TELEDATA AND LIFE SAFETY DEVICES WHICH ARE IN CONFLICT WITH NEW ARCHITECTURE OR ARE NOW LOCATED IN UN ACCESSIBLE SPACE DUE TO STRUCTURAL, HVAC OR ACOUSTICAL REASONS AS A RESULT FROM THIS BUILD-OUT, ARE TO BE RELOCATED TO AN ACCESSIBLE LOCATION. EXTEND CONDUIT AND WIRING REQUIRED FOR SUCH RELOCATION.
4. NO EQUIPMENT J-BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (IF NOT ACCESS FROM PLIN IS PROVIDED, COORDINATE WITH ARCHITECT). LOCATE ANY EXISTING EQUIPMENT J-BOXES, ETC. TO ACCESSIBLE CEILING AREAS.
5. VERIFY THE TYPE OF CEILING SYSTEM WITH GENERAL CONTRACTOR OR CEILING CONTRACTOR. PROVIDE FIXTURES WHICH ARE COMPATIBLE WITH THE CEILING SYSTEM AND INCLUDE ALL REQUIRED MOUNTING ACCESSORIES AND HARDWARE.
6. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING.
7. WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE.
8. ALL SWITCH/DIMMER LOCATIONS SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH IN.
9. ALL EXPOSED CONDUITS SHALL BE EMT AND SHALL BE RUN 90° PERPENDICULAR AND PARALLEL TO CEILING STRUCTURE AND HUG TO UNDERSIDE OF SLAB.
10. CONTRACTOR SHALL PROVIDE ADDITIONAL (4) EXIT SIGNS AS PART OF BID PACKAGE. ANY ADDITIONAL EXIT SIGN(S) REQUIRED BY CITY FIRE MARSHALL SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
11. ALL EXISTING LIGHTING FIXTURES TO BE RE-USE! SHALL BE INSPECTED FOR DEFECTS, FIXED, CLEANED, RE-BALLED AND RE-LAMPED.
12. REFER TO PANEL PLANS FOR PANEL BOARD LOCATIONS.
13. COORDINATE ALL UNDER CABINET WORKS AND SWITCH LOCATIONS WITH ARCHITECT.
14. MAINTAIN CONTINUITY OF EXISTING CIRCUIT TO REMAINING LIGHTING FIXTURES AS REQUIRED.
15. REMOTE DRIVERS, TRANSFORMERS AND/OR POWER SUPPLY FOR FIXTURES TO BE LOCATED IN WELL VENTILATED AND ACCESSIBLE LOCATION. MAXIMUM DISTANCE FROM FIXTURE SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL THE REQUIREMENTS WITH MANUFACTURER, TYPICAL FOR ALL.
16. EACH LOW VOLTAGE FIXTURES THAT REQUIRE INTEGRAL OR REMOTE TRANSFORMER SHALL BE PROVIDED WITH TRANSFORMER RATED AT NO MORE THAN THE WATTAGE SHOWN ON FIXTURE SCHEDULE. EACH LAMP SHALL BE A PERMANENT RESTRICTIVE LABEL THAT IDENTIFY THE MAXIMUM LAMPS OR LOADS THAT IS TO BE WIRED TO SUCH TRANSFORMER WITH NO EXEMPTION. FOR REMOTE LOCATIONS PROVIDE J-BOX. DISTANCE NOT TO EXCEED MANUFACTURER'S RECOMMENDATIONS.
17. PROVIDE SEPARATE NEUTRAL FOR EACH DIMMER CIRCUIT.
18. ALL CEILING MOUNTED EXIT SIGNS AND LIGHTING CONTROL DEVICES (PHOTOCELL, OCCUPANCY SENSORS, AND ETC.) LOCATED IN SIGN CEILING AREAS SHALL BE PERMANENTLY MOUNTED. NO DEVICE IS LOCATED DIRECTLY BELOW BOTTOM OF PENDANT MOUNTED FIXTURES.
19. REFER TO LIGHTING CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS.

 SHEET KEYNOTES

1. CONNECT TO EXISTING 277 CIRCUIT SHOWN SUPPLYING LIGHTS IN AREA. FIELD VERIFY EXACT CIRCUIT NUMBER AND CONNECTION POINT IN EACH ROOMSPACE. PROVIDE NEW BRANCH CIRCUITING AS REQUIRED.
2. CONNECT TO EXISTING EM CIRCUIT SHOWN SUPPLYING EMERGENCY LIGHTS IN AREA. FIELD VERIFY EXACT CIRCUIT NUMBER AND CONNECTION POINT. EXAMINE EXISTING BRANCH CIRCUIT FEEDER CONDITIONS FROM PANEL LOCATION, AND REPLACE AS REQUIRED.
3. IN AREAS WHERE THERE ARE NO STRUCTURAL WORK, PRESERVE EXISTING LIGHTING AND CONTROLS. RELOCATE DEVICES AS REQUIRED.
4. PROVIDE ALLOWANCE TO UPGRADE LIGHTING AND LIGHTING CONTROLS IN ALL SUCH SPACES AS DETERMINED BY A/E.
5. DASHED LINES INDICATE DAYLIGHT CONTROL ZONES. REFER TO ASSOCIATED LIGHTING CONTROL PHOTO SENSOR LOCATION. IF MULTIPLE SENSOR IN SINGLE ENCLOSED SPACE: 'P' INDICATES ASSOCIATED PRIMARY AND 'S' SECONDARY CONTROL ZONES. 'X'-DAYLIGHT AUTOMATIC CONTROL ZONE. ALL LIGHTS WITHIN DENOTED DASHED LINES SHALL BE CONTROLLED AUTOMATICALLY BY ASSOCIATED PHOTO SENSORS. COORDINATE AS PART OF FINAL LIGHTING CONTROL SLD DRAWINGS.
6. PROVIDE CONNECTION TO EXISTING LIGHTING ZONES. INTERCEPT AND EXTEND UNSWITCHED EMERGENCY AND NORMAL SOURCES FOR EXISTING NEW AND RELOCATED EXIT SIGNS FROM EXISTING SOURCES IN EACH AREA. FIELD VERIFY EXISTING CONDITIONS.

MARK DATE DESCRIPTION

CSO CONSULTANTS INC.

THESE PLANS AND DETAILS ARE

REVIEWED FOR

CODE COMPLIANCE

THESE PLANS SHALL NOT BE CONSIDERED TO BE A FIRMITY FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By *Glenn K*

Date 2/23/2023

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

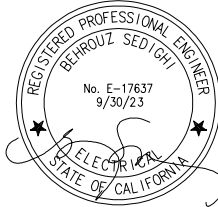
E3.01-L

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022

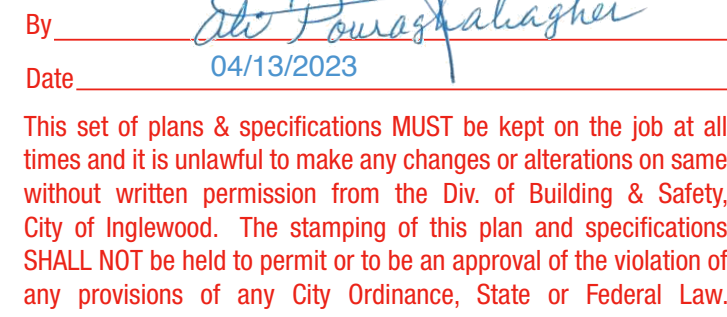


LIGHTING PLAN - LEVEL 2

MARK	DATE	DESCRIPTION
ESG CONSULTANTS, INC. THESE PLANS AND DETAILS ARE VIEWED FOR DE COMPLIANCE THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT OR VIOLATION OF ANY CODE OR ORDINANCE.		

Drawing No:

E3.01-L



- ## SHEET KEYNOTES
1. CONNECT TO EXISTING 277 CIRCUIT SHOWN SUPPLYING LIGHTS IN AREA. FIELD VERIFY EXACT CIRCUIT NUMBER AND CONNECTION POINT IN EACH ROOM/SPACE. PROVIDE NEW BRANCH CIRCUITING AS REQUIRED.
 2. CONNECT TO EXISTING EM CIRCUIT SHOWN SUPPLYING EMERGENCY LIGHTS IN AREA. FIELD VERIFY EXACT CIRCUIT NUMBER AND CONNECTION POINT. EXAMINE EXISTING BRANCH CIRCUIT FOR ADDITIONAL PHOTO SENSORS TO REMOVE AND REPLACE AS REQUIRED.
 3. IN AREAS WHERE THERE ARE NO STRUCTURAL REWORK, PRESERVE EXISTING LIGHTING AND CONTROLS. RELOCATE DEVICES AS REQUIRED.
 4. PROVIDE ALLOWANCE TO UPGRADE LIGHTING AN LIGHTING CONTROLS IN ALL SUCH SPACES AS DETERMINED BY AHJ.
 5. DASHED LINES INDICATE DAYLIGHT CONTROL ZONES. REFER TO ASSOCIATED LIGHTING CONTROL PHOTO SENSOR LOCATION. IF MULTIPLE SENSOR IN SINGLE ENCLOSED SPACE: 'PX' INDICATES ASSOCIATED PRIMARY AND 'SX' SECONDARY CONTROL ZONES. 'X'-DAYLIGHT AUTOMATIC CONTROL ZONE. ALL LIGHTS WITHIN DASHED LINES SHALL BE CONTROLLED AUTOMATICALLY BY ASSOCIATED PHOTO SENSORS. COORDINATE AS PART OF FINAL LIGHTING CONTROL SHOP DRAWINGS.
 6. PRESERVE CONNECTION TO ALL EXISTING EXIT SIGNS. INTERCEPT AND EXTEND UNWITTHED EMERGENCY AND NORMAL SOURCES FOR ALL NEW AND RELOCATED EXIT SIGNS FROM EXISTING SOURCES IN EACH AREA. FIELD VERIFY EXISTING CONDITIONS.

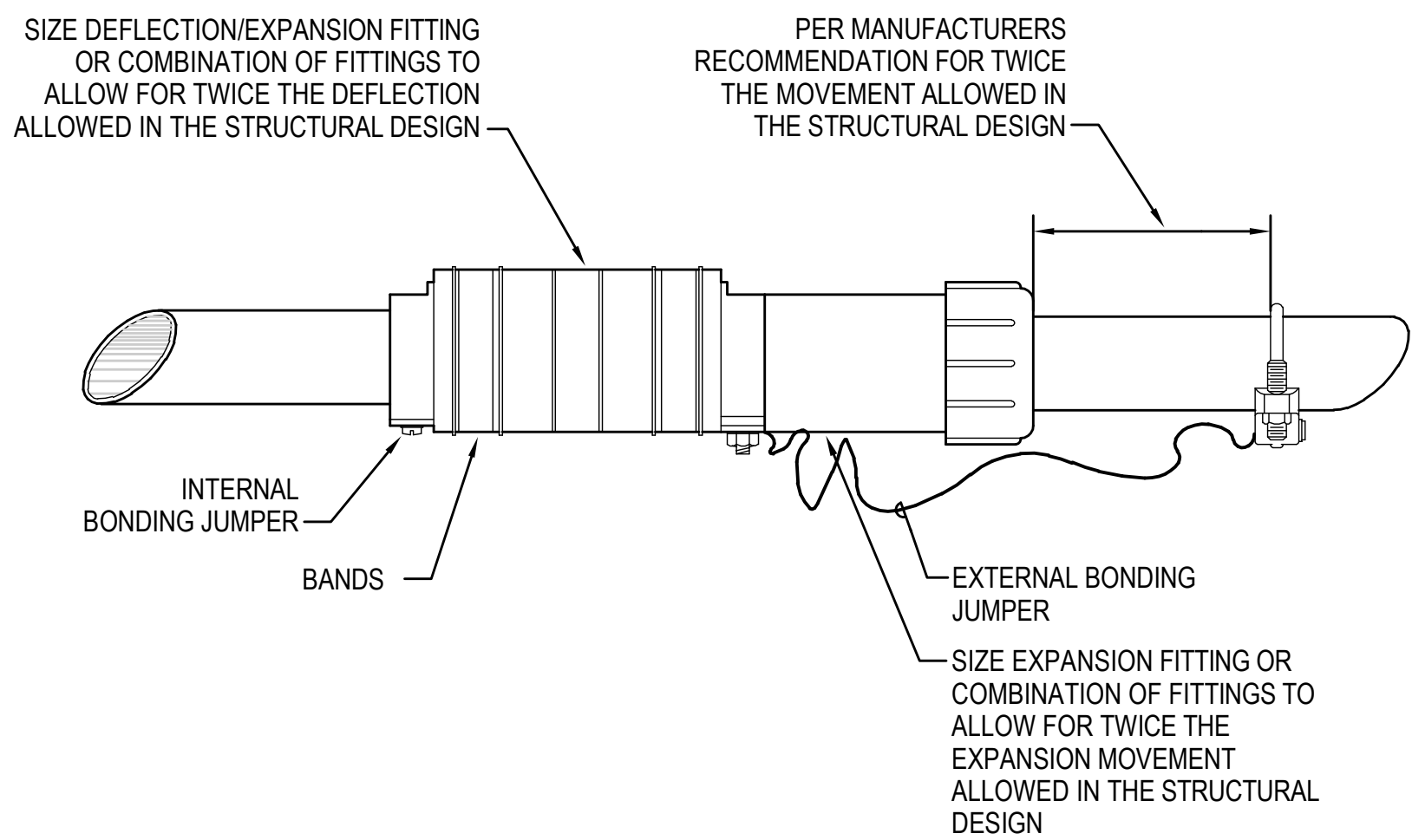
MARK	DATE	DESCRIPTION
ALL CONSULTANTS AND THESE PLANS AND DETAILS ARE VIEWED FOR COMPLIANCE ALLS SHALL NOT BE CONSIDERED TO BE A PERMIT VIOLATION OF ANY CODE OR ORDINANCE. <i>Denise Lee</i> 2/23/2023 ALLS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTION		

1 ELECTRICAL LIGHTING FLOOR PLAN - LEVEL 3
Scale: 1/8"=1'-0"

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By: Edo Panayiotopoulos
Date: 04/13/2023

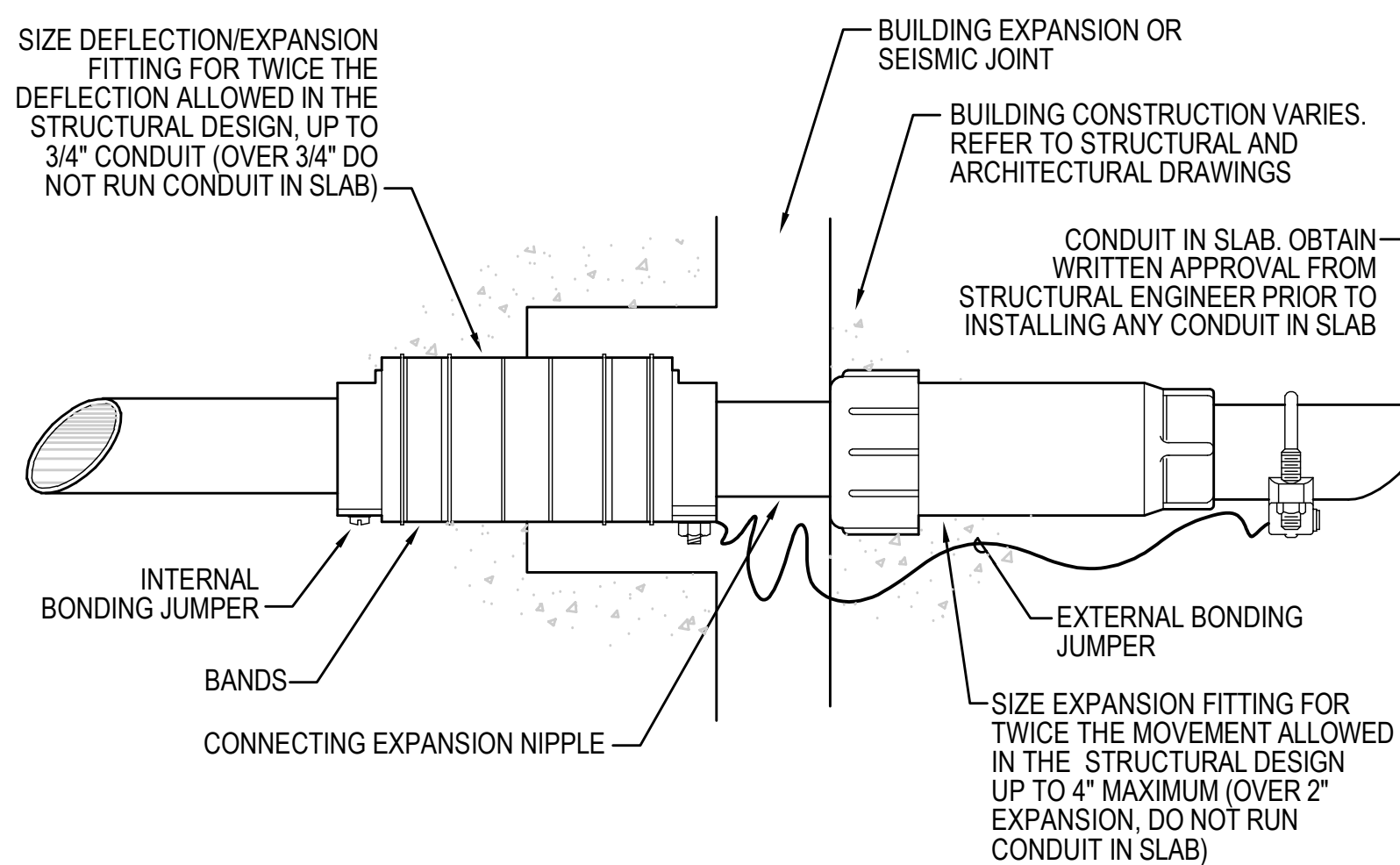
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State or Federal Law.



SCALE: NONE

COMBINATION EXPANSION DEFLECTION FITTING

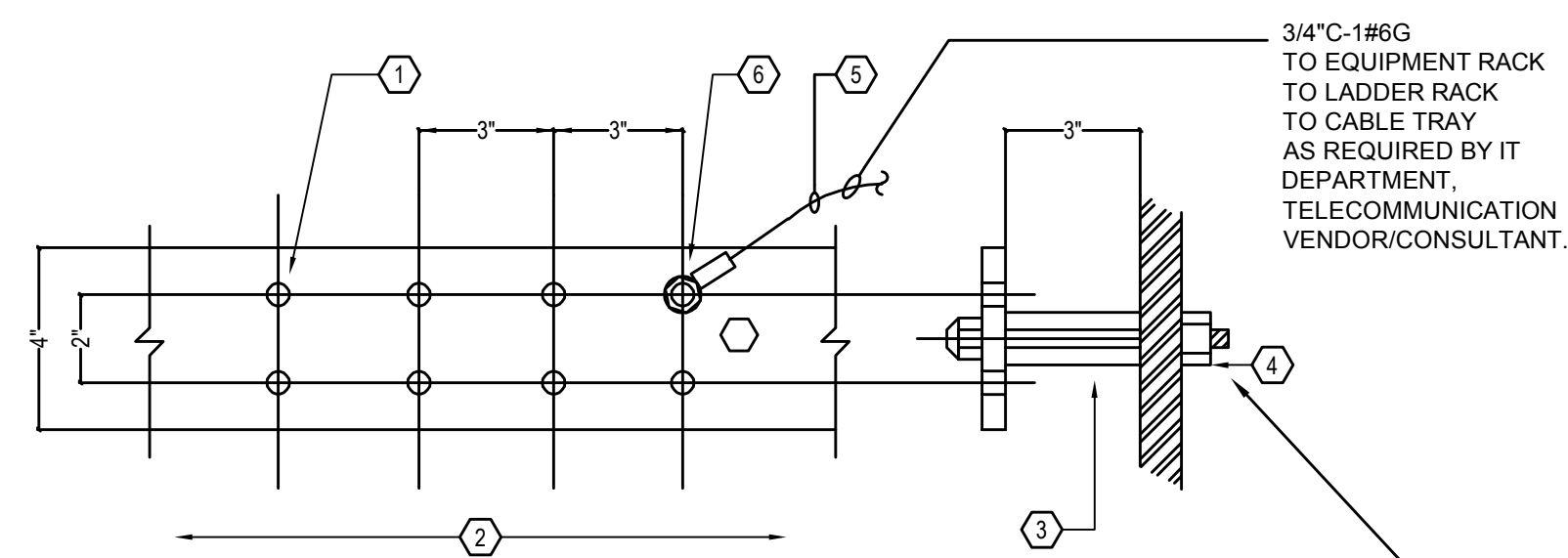
6



SCALE: NONE

COMBINATION EXPANSION DEFLECTION FITTING IN SLAB

5



NOTES:

1. DRILLED HOLE 1/4\"/>
2. BAR LENGTH AS REQUIRED, 1/4\"/>
3. FASTENER, 3/4\"/>
4. TO MAIN GROUND BUS BAR
5. GROUNDING CABLE
6. 1/2\"/>

FIELD VERIFY AND TRACE INTEGRITY OF GROUNDING SYSTEM IN EXISTING MODIFIED ROOMS. GROUNDING SYSTEM SHALL BE CONNECTED TO AVAILABLE BUILDING GROUNDING IN EACH FLOOR TELECOM ROOMS OR MAIN ELECTRICAL ROOMS.

SCALE: NONE

IDF ROOM GROUNDING REQUIREMENTS

3

SPECIFIC NOTES

1. PROVIDE SHUNT TRIP FOR LIGHTS ON EMERGENCY LIFE SAFETY CIRCUITS AS REQUIRED. COORDINATE ALL THE REQUIREMENTS WITH LUTRON. EMERGENCY AND NORMAL LIGHT FIXTURES ON SAME CONTROL ZONE SHALL OPERATE SIMULTANEOUSLY DURING NORMAL OPERATION. IN CASE OF EMERGENCY, ALL CONTROLLED EMERGENCY LIGHTS SHALL GO TO FULL BRIGHTNESS, EVEN IF IN 'OFF' OR DIMMED STATE. LIFE SAFETY CONTROL SYSTEM SHALL BE UL924 LISTED.
2. TYPE AND REQUIREMENTS PER MANUFACTURER. ALL LOW VOLTAGE CABLING IN EXPOSED CEILING SPACES TO BE PROVIDED WITH EMT CONDUITS, FOR EXTERIOR LOCATIONS PROVIDE RSC CONDUITS.
3. PHOTO SENSOR PER MANUFACTURERS RECOMMENDATION.
4. WIRELESS PHOTO SENSOR OPTION IS ACCEPTABLE. FOLLOW MANUFACTURERS RECOMMENDATION.
5. OCCUPANCY SENSOR PER MANUFACTURERS RECOMMENDATION.
6. WIRELESS OCCUPANCY SENSOR OPTION IS ACCEPTABLE. FOLLOW MANUFACTURERS RECOMMENDATION.
7. LOW VOLTAGE SWITCH WITH REQUIRED CONTROL ZONES PER LIGHTING PLANS, PER MANUFACTURERS RECOMMENDATION. PROVIDE ADDITIONAL SWITCHES AS REQUIRED.
8. WIRELESS CONTROL SWITCH OPTION IS ACCEPTABLE. FOLLOW MANUFACTURERS RECOMMENDATION. PROVIDE
9. REQUIRED CONTROL ZONES PER LIGHTING PLANS, PER MANUFACTURERS RECOMMENDATION. 20A POWER PACK RELAY MODULE FOR PLUG IN LOADS OPTION. COMPATIBLE WITH WIRELESS OCCUPANCY SENSORS ONLY. STAND ALONE OPTION.
10. PROVIDE ADDITIONAL POWER AS REQUIRED PER MANUFACTURERS RECOMMENDATION.
11. ENERGI SAVR NODE: *TYPE PER FINAL CONTROL TECHNOLOGY. *QUANTITY PER MANUFACTURER RECOMMENDATION. PER QUANTITY OF LIGHT FIXTURES CONTROLLED OR NUMBER OF CIRCUITS.
12. GRAFIK EYE QS (OPTION) FOR SELECTED AREAS SUCH AS CONFERENCE ROOMS OR EQUAL.
13. QUANTUM HUB OR EQUAL. QUANTITY AS REQUIRED PER MANUFACTURERS RECOMMENDATION BASED ON FINAL NUMBER OF ZONES/DEVICES.
14. FOLLOW MANUFACTURERS RECOMMENDATION FOR REQUIRED SYSTEM SOFTWARE INSTALLATION.
15. ALL OCCUPANCY SENSORS SHALL BE DUAL TECHNOLOGY, UNLESS LOCATED IN SPACES SERVER/MODIFIED MECHANICAL OR ANY ROOMS NOT RECOMMENDED BY MANUFACTURERS DUE TO NOISE POLLUTION. PROVIDE ADDITIONAL SENSOR LOCATION FOR COMPLETE COVERAGE OF SPACES.
16. ALL WIRELESS OPTIONS SHALL BE REVIEWED AND APPROVED BY ARCHITECT AND OWNER. ALL WIRELESS

17. XP RELAY PANEL, AS REQUIRED FOR EXTERIOR LIGHTING IF ANY.
18. COORDINATE AND INTEGRATE WITH CITY HALL QUANTUM SYSTEM.
19. FUTURE ADDITIONAL QUANTUM HUB FOR ADDED ZONES/DEVICES. LOCATION TO BE COORDINATED IN FIELD.
20. FOR FUTURE GROWTH SCOPE.

GENERAL NOTES

1. DESIGN INTEND IS TO UTILIZE THE QUANTUM TOTAL LIGHTING MANAGEMENT (QTLM) PRODUCT OF LUTRON. THE QTLM & RELATED EQUIPMENT ARE PRODUCT OF LUTRON. THE DETAILS, BLOCK DIAGRAMS & QUANTITIES SHALL BE USED AS THE BASE-LINE. CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM AS INTENDED & DESCRIBED, & INCLUDE ALL COSTS IN BID. CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR REVIEW. UTILIZING LUTRON VIVE OR COMBINATION OF QUANTUM/VIVE SYSTEM TO ACHIEVE REQUIRED CONTROLS IS ACCEPTABLE. CONTRACTOR IS RESPONSIBLE TO COORDINATE COMPATIBILITY OF ALL THE BALLASTS, LED DRIVERS & INTERFACES OF ALL LIGHTS CONTROLLED BY LIGHTING CONTROL SYSTEM WITH CONTROL & LIGHT FIXTURE MANUFACTURERS. ALL DIMMING TYPES SHALL BE SUBMITTED AND REVIEWED BY LIGHTING DESIGNER.
2. REFER TO LIGHTING DESIGNERS PACKAGE FOR ADDITIONAL CONTROL REQUIREMENTS AND INTEND. CONTRACTOR TO SUBMIT SEQUENCE OF OPERATION AS PART OF SUBMITTAL REVIEW FOR OWNERS APPROVAL OF HOURS OF OPERATION.
3. ALL POWER MODULES AND CONTROL INTERFACES FOR CONTROL SYSTEM SHALL BE LOCATED IN AN ACCESSIBLE AND SERVICEABLE LOCATION AND PER MANUFACTURERS RECOMMENDATIONS.
4. CONTRACTOR SHALL TAKE RESPONSIBILITY FOR ADDITIONAL RECEPTACLE, POWER SUPPLIES & ACCESSORIES FOR COMPLETE FUNCTIONING SYSTEM AS NECESSARY PER MANUFACTURERS SHOP DRAWINGS.
5. PLACE OCCUPANCY SENSORS & PHOTOSENSORS PER MANUFACTURER RECOMMENDATION FOR MAXIMUM COVERAGE, PROVIDE ADDITIONAL DEVICES AS REQUIRED FOR FULL COVERAGE. PROVIDE MANUFACTURER RECOMMENDED MOUNTING BRACKETS FOR PROPER INSTALLATION AS REQUIRED.
6. REFER TO POWER PLANS, ARCHITECTURAL DRAWINGS AND LIGHTING DESIGNERS PACKAGE FOR AREAS REQUIRING MOTORIZED SHADE CONTROLS. COORDINATE ALL REQUIREMENTS WITH LUTRON AND INCLUDE ALL NECESSARY COST IN BID.
7. REFER TO AV CONSULTANT DRAWINGS FOR AREAS REQUIRING LIGHTING/AV INTEGRATION AND INCLUDE ALL NECESSARY COST IN BID.
8. PROVIDE MANUFACTURERS SERVICE STARTUP, AND EXTEND SUPPORT FOR DURATION OF CONSTRUCTION. AFTER NEW SYSTEM IS DEPLOYED, TESTED, AND INTEGRATED WITH EXISTING TENANT CONTROLS IN FACILITY. MANUFACTURER TO EXTEND EXISTING SERVICE AND SUPPORT FOR ADDED SPACE.
9. FOR MULTI CONFIGURABLE ROOMS PROVIDE LIGHTING CONTROL SENSORS TO DETERMINE ROOM CONFIGURATION, AND FUNCTION BASED ON CONFIGURATION AS SINGLE LARGE ROOM OR AS MULTIPLE SMALLER ROOMS. EACH AREA TO HAVE INDEPENDENT CONTROL SWITCH, OCCUPANCY SENSORS AND DAYLIGHT CONTROLS (IF REQUIRED).
10. BATTERY POWERED LIGHTING CONTROL DEVICES ARE NOT ACCEPTABLE.
11. COORDINATE REQUIRED SPACE FOR QUANTUM HUBS IN FIELD. UTILIZE CEILING SPACE FOR CONTROL SYSTEM DEVICES. IF LIGHTING CONTROL PANELS UTILIZED AS PART OF FINAL SOLUTION, COORDINATE FINAL LOCATIONS IN FIELD.
12. BATTERY POWERED LIGHTING CONTROL DEVICES ARE NOT ACCEPTABLE.

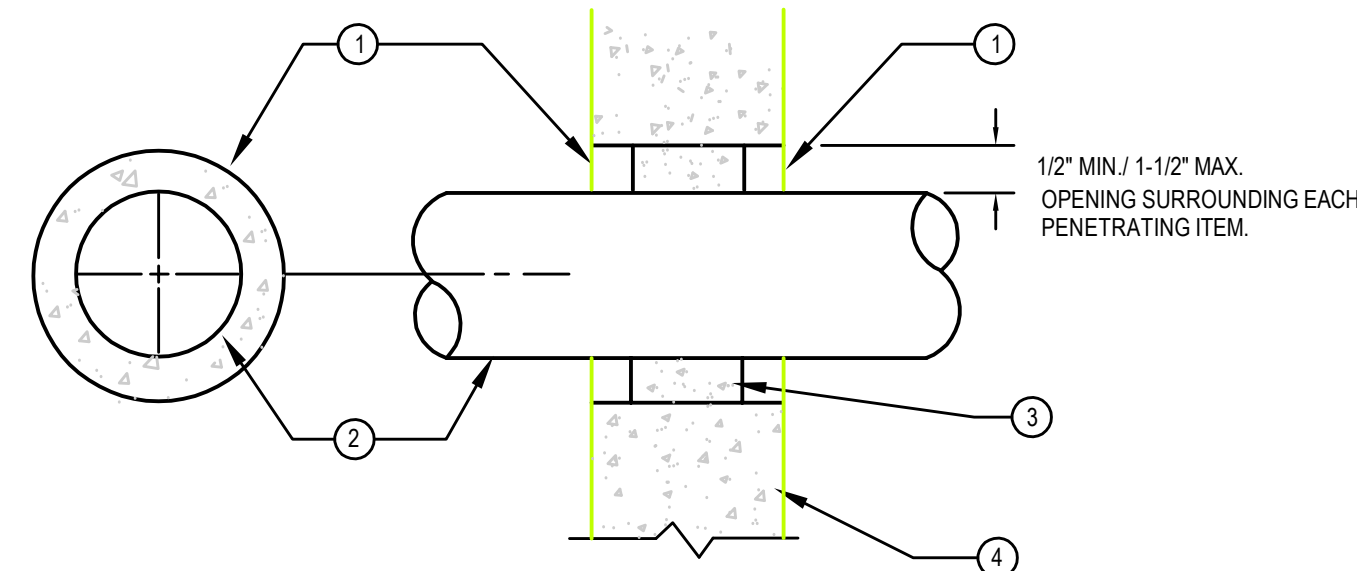
ABBREVIATION

- IL - INTERFACE FOR HALOGEN LIGHTS
- HSB - H SERIES BALLAST FOR FLUORESCENT LIGHTS
- OS - OCCUPANCY SENSOR
- PS - PHOTO SENSOR
- CS - CONTROL SWITCH
- LVS - LOW VOLTAGE SWITCH
- PS - POWER SUPPLY

SCALE: NONE

LIGHTING CONTROL DIAGRAM (PRELIMINARY)

4



NOTES:

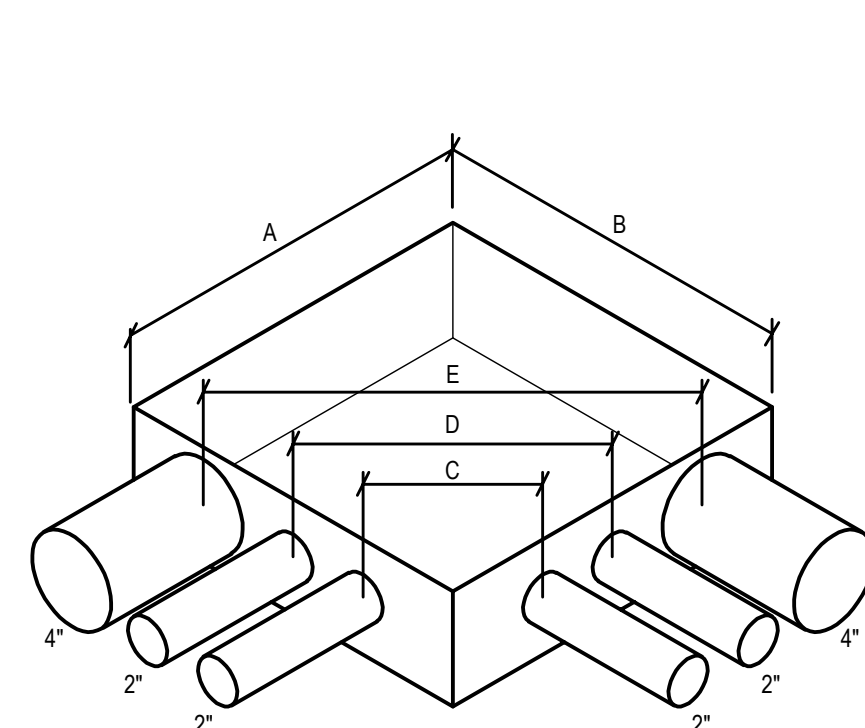
1. 1/2\"/>
2. PENETRATING ITEM - PIPE OR CONDUIT.
3. STUFFED CERAMIC FIBER INSULATION - CENTER 2/3 OF OPENING.
4. WALL OR FLOOR
5. ELECTRICAL CONDUITS PENETRATING FIRE RATED WALLS SHALL BE SEALED IN A SMOKE TIGHT MANNER WITH SEALANT MATERIAL OF THE SAME RATING OF THE WALL FIRE BARRIER HILTI UL SYSTEM NO CAJ1149 FIRE RATING - 2 HOURS.
6. ALL FIRE SEALANT INSTALLATION SHALL BE IN CONFORMANCE WITH UL STANDARD.

REFER TO ARCHITECTURAL DRAWINGS FOR ALL PENETRATIONS AND WATER PROOFING DETAILS

SCALE: NONE

TYPICAL CONDUIT PENETRATION DETAIL

2



EXAMPLE:
A = (6 x 4) + 2\"/>

NOTE:
SIZES MAY NEED TO BE INCREASED TO MEET REQUIREMENTS OF NEC 370.28. COMPLY WITH STANDARD BOX SIZES OR FOR SHIELDED CABLES.

SCALE: NONE

PULL BOX SIZING ('L' PULLS) LESS THAN 600V

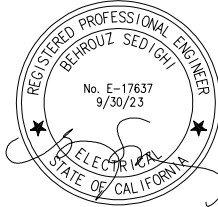
1

CITY OF INGLEWOOD CIVIC CENTER - LIBRARY
VOLUNTARY SEISMIC IMPROVEMENTS

PERMIT SET

KPFF PROJECT # 10012000362

NOVEMBER 28, 2022



ELECTRICAL
DETAILS

REVIEWED FOR
CODE COMPLIANCE

THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE.

By: Edo Panayiotopoulos
Date: 2/23/2023

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUESTED INSPECTIONS

Drawing No:

E5.01-L