

- 1 STRUCTURAL DESIGN CRITERIA**
1. THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE CALIFORNIA BUILDING CODE 2022 EDITION, AS MODIFIED BY THE STATE AND LOCAL JURISDICTION REQUIREMENTS, AND IS HEREAFTER REFERRED TO AS THE "GOVERNING CODE". WHERE A STATE SPECIFIC CODE IS THE GOVERNING CODE, ALL REFERENCES TO THE IBC ARE SUPERSEDED BY THE APPLICABLE STATE CODE CHAPTERS/SECTIONS.
- a. ALL DESIGN AND CONSTRUCTION CODES AND REFERENCED STANDARDS REFER TO THE EDITIONS REFERENCED BY THE GOVERNING BUILDING CODE AT THE TIME OF APPROVAL. REFER TO CHAPTER 35 OF THE GOVERNING CODE FOR THE REFERENCED STANDARDS.
- b. RISK CATEGORY: IV
- A. ROOF DESIGN DATA
- a. ROOF DEAD LOAD: 5 PSF
- b. ROOF LIVE LOAD: 10 PSF
- B. FLOOR DESIGN DATA
- a. FLOOR LIVE LOAD: 250 PSF
- C. EARTHQUAKE DESIGN DATA
- a. MAPPED SPECTRAL RESPONSE ACC. FOR SHORT PERIOD, (S_s): 1.137 G
- b. MAPPED SPECTRAL RESPONSE ACC. FOR 1-SEC PERIOD, (S₁): 0.385 G
- c. DESIGN SPECTRAL RESPONSE ACC. FOR SHORT PERIOD, (S_s): 0.909 G
- d. DESIGN SPECTRAL RESPONSE ACC. FOR 1-SEC PERIOD, (S₁): 0.492 G
- e. SITE CLASS: D-DEFAULT
- f. SEISMIC DESIGN CATEGORY: D
- g. SEISMIC IMPORTANCE FACTOR, (I_s): 1.5
- D. SOILS DESIGN DATA
- a. ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF (ASSUMED)
- 2 GENERAL STRUCTURAL NOTES**
- A. GENERAL REQUIREMENTS
1. THE TERM CONTRACTOR (G.C.) AS USED IN THESE DOCUMENTS REFERS TO THE CONTRACTOR / CONSTRUCTION MANAGER IN RESPONSIBLE CHARGE OF THE PROJECT IN TERMS OF COORDINATION, SCHEDULING, SUBCONTRACTOR COORDINATION, ETC. THE TERM IS REFERRING THE ENTITY THAT COORDINATES THE WORK OF OTHER TRADES.
2. ALL REFERENCED STANDARDS, SUCH AS CODES, SPECIFICATIONS, AND OTHER PUBLICATIONS NOTED HEREIN, ARE INTENDED TO REFER TO THE EDITION OF SAID STANDARD AS REFERENCED BY THE GOVERNING CODE OR THE LATEST EDITION PUBLISHED AS OF THE DATE ON THE CONSTRUCTION DOCUMENTS.
3. THE CONSTRUCTION DOCUMENTS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT ARE NOT INTENDED TO SHOW ALL DETAILS OF WORK. DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE. U.N.O. IF LOCATIONS ARE FOUND WHERE NO TYPICAL DETAIL, TYPICAL SCHEDULE OR SPECIFIC DETAIL APPLIES, NOTIFY E.O.R.
4. DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THE CONSTRUCTION DOCUMENTS FOR LOCATIONS, QUANTITY TAKEOFFS, MATERIAL SIZES, ETC. IF THERE IS A QUESTION ABOUT DIMENSIONS, CONTACT THE ARCHITECT OR E.O.R. FOR CLARIFICATION.
5. WHERE CONFLICTS EXIST BETWEEN CONSTRUCTION DOCUMENTS, THE STRICTEST REQUIREMENTS AS INDICATED BY THE E.O.R. SHALL GOVERN. THE CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL, PLUMBING AND DEFERRED SUBMITTAL DRAWINGS TO HAVE A COMPLETE SCOPE OF WORK INVOLVED IN THIS PROJECT. REFER TO PROJECT SPECIFICATIONS ISSUED AS PART OF THE CONSTRUCTION DOCUMENTS FOR INFORMATION SUPPLEMENTAL TO THESE DRAWINGS.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE CONSTRUCTION DOCUMENTS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND E.O.R. PRIOR TO PROCEEDING WITH CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, UNLESS SUCH CHANGES ARE AUTHORIZED IN WRITING BY THE E.O.R.
8. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION FOR THE PROJECT IN A MANNER AND SEQUENCE THAT ARE BASED ON ACCEPTED INDUSTRY STANDARDS THAT RECOGNIZE THE INTERACTION OF THE COMPONENTS THAT COMPRISE THE STRUCTURE WITHOUT CAUSING DISTRESS, UNANTICIPATED MOVEMENTS OR IRREGULAR LOAD PATHS AS A RESULT OF THE CONSTRUCTION MEANS AND METHODS EMPLOYED. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS OF CONSTRUCTION AND THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE SHORING, BRACING AND TEMPORARY STRUCTURAL STABILITY THROUGHOUT CONSTRUCTION. E.O.R. IS RESPONSIBLE ONLY FOR THE PRIMARY STRUCTURE IN ITS COMPLETED FORM.
9. FALL PROTECTION SUPPORT FROM PERIMETER OF THE STRUCTURE SHALL BE PROVIDED IN ACCORDANCE WITH OSHA REQUIREMENTS AS REQUIRED.
10. THE CONTRACTOR IS RESPONSIBLE TO ENFORCE ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE E.O.R.
11. CONSTRUCTION LOADS AND MATERIALS SHALL BE SPREAD OUT WHEN PLACED ON FRAMED FLOORS OR ROOFS. LOADS ON THE STRUCTURE DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS AS NOTED IN THE DESIGN CRITERIA.
12. ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE E.O.R. FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER, ANCHORAGE AND SUPPORT OF MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND PIPING IS TO BE DESIGN BY OTHERS. ALL SUSPENDED EQUIPMENT IS TO BE SECURED WITH LATERAL BRACING BY OTHERS.
13. SITE VISITS BY REPRESENTATIVES OF THE E.O.R. DO NOT INCLUDE INSPECTION OF CONSTRUCTION MEANS AND METHODS. SITE VISIT DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES, (WHICH ARE TO BE PERFORMED BY OTHERS). OBSERVATIONS DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OR VERIFICATION OF CONSTRUCTION.
- B. SHOP DRAWING AND DEFERRED SUBMITTAL REQUIREMENTS
- A. ALL SHOP DRAWINGS AND DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE E.O.R. FOR REVIEW AND APPROVAL. SUBMITTED DOCUMENTS SHALL BEAR THE CONTRACTORS REVIEW STAMP WITH THE CHECKERS INITIALS BEFORE BEING SUBMITTED TO E.O.R. FOR APPROVAL.
- B. ALL DEFERRED SUBMITTALS SHALL BE STAMPED AND SIGNED BY AN ENGINEER REGISTERED IN THE APPROPRIATE JURISDICTION OF THE PROJECT AND IT SHALL BE THE SOLE RESPONSIBILITY OF THE SPECIALTY ENGINEER INCLUDING, BUT NOT LIMITED TO, DESIGN, COORDINATION, DIMENSIONS AND INTENDED PURPOSE.
- C. REVIEW OF SUBMITTED DOCUMENTS BY THE E.O.R. SHALL BE FOR GENERAL CONFORMANCE TO THE DESIGN SET FORTH ON THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
- D. DEFERRED SUBMITTAL ITEMS SHALL NOT BE FABRICATED OR INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED BY THE E.O.R. AND BUILDING OFFICIAL.
- E. WHERE DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION COULD AFFECT THE NEW CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO MAKE FIELD MEASUREMENTS IN TIME FOR THEIR INCORPORATION INTO THE SHOP DRAWINGS.
- F. ALL DEFERRED SUBMITTAL DOCUMENTS SHALL INCLUDE A QUALITY ASSURANCE PROGRAM FOR SPECIAL INSPECTIONS WHERE REQUIRED BY THE GOVERNING CODE.
- C. STRUCTURAL OBSERVATION REQUIREMENTS
- A. WHERE REQUIRED BY THE PROVISIONS OF THE GOVERNING CODE, THE OWNER OR OWNER'S AUTHORIZED AGENT SHALL EMPLOY A REGISTERED DESIGN PROFESSIONAL TO PERFORM STRUCTURAL OBSERVATIONS. THE STRUCTURAL OBSERVER SHALL VISUALLY OBSERVE REPRESENTATIVE LOCATIONS OF STRUCTURAL SYSTEMS, DETAILS AND LOAD PATHS FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY OF THE INSPECTIONS OR SPECIAL INSPECTIONS LISTED IN THE GOVERNING CODE.
- B. FREQUENCY AND EXTENT OF THE STRUCTURAL OBSERVATIONS SHALL BE SET AND SUBMITTED TO THE BUILDING OFFICIAL.
- C. STRUCTURAL OBSERVATIONS SHALL BE PROVIDED FOR THOSE STRUCTURES WHERE ONE OR MORE OF THE FOLLOWING CONDITIONS EXIST:
- a. THE STRUCTURE IS CLASSIFIED AS RISK CATEGORY (III) OR (IV).
- b. THE STRUCTURE IS A HIGH-RISE BUILDING.
- c. THE STRUCTURE IS ASSIGNED TO SEISMIC DESIGN CATEGORY (E) AND IS GREATER THAN TWO STORIES ABOVE THE GRADE PLANE.
- d. SUCH OBSERVATION IS REQUIRED BY THE E.O.R. RESPONSIBLE FOR THE STRUCTURAL DESIGN.
- e. SUCH OBSERVATION IS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.
- D. EXISTING CONDITIONS
- a. CONTRACTOR SHALL VERIFY ANY AND ALL APPLICABLE EXISTING CONDITIONS, CONSTRUCTION, DIMENSIONS AND ELEVATIONS AND IMMEDIATELY NOTIFY ARCH. AND EOR OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY CONSTRUCTION.

- 3 FOUNDATIONS AND SLABS**
- A. SOIL PREPARATION:
1. IT IS RECOMMENDED THAT ALL GRADING, EXCAVATION, PLACEMENT AND INSTALLATION OF STRUCTURAL FILL AND FOUNDATIONS BE PERFORMED UNDER THE INSPECTION AND TESTING OF A QUALIFIED GEOTECHNICAL CONSULTANT DURING THE CRITICAL STAGES OF CONSTRUCTION.
2. IF A GEOTECHNICAL REPORT HAS BEEN CONDUCTED FOR THE SITE, THE CONTRACTOR SHALL FULLY REVIEW THE REPORT FOR ADDITIONAL REQUIREMENTS AND INFORMATION PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING AND EARTHWORK OPERATION FOR FILLED EXCAVATIONS OR BURIED STRUCTURES AND NOTIFY THE E.O.R. IF ANY STRUCTURES ARE FOUND PRIOR TO CONSTRUCTION.
4. DURING EXCAVATION, LOCATE AND PROTECT UNDERGROUND OR CONCEALED UTILITIES WHERE WORK IS BEING PERFORMED. WHEN OVERSIZE MATERIALS, CONCRETE, OR ASPHALT ARE ENCOUNTERED, THESE MATERIALS SHOULD BE HAULED OFF SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.
5. ALL SHALLOW SPREAD FOUNDATIONS SYSTEMS SHALL BEAR ON COMPETENT NATIVE SOILS OR STRUCTURAL FILL PLACED PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. IF THE SITE HAS A LOWER BEARING CAPACITY THAN LISTED, THEN THE FOUNDATION PLAN WILL NEED TO BE REDESIGNED.
6. MINIMUM FROST DEPTH LISTED IS FROM LOWEST ADJACENT FINISH GRADE TO BOTTOM OF THE FOOTING. THE MINIMUM FROST DEPTH SHALL BE MAINTAINED FOR ALL EXTERIOR FOOTINGS. THE CONTRACTOR SHALL COORDINATE AND VERIFY WITH ENGINEER OF RECORD PRIOR TO THE PLACEMENT OF FOUNDATIONS.
7. ALL STRUCTURAL FILL BELOW FOOTINGS SHALL EXTEND OUT PAST THE EDGE OF THE FOOTING AND SLOPE AT 2 TO 1 (2 VERTICAL TO 1 HORIZONTAL) UNTIL REACHING COMPETENT SOILS.
8. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO THE PLACEMENT OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR THE GROUND WATER CONTROL SYSTEM DESIGN.
9. ALL STRUCTURAL FILL MATERIAL SHOULD BE PLACED IN UNIFORM 12" THICK LOOSE LIFTS AND COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY A STANDARD PROCTOR AT OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH ASTM D1557. IN RESTRICTED AREAS WHERE ONLY HAND-OPERATED EQUIPMENT IS PERMITTED, THE MAXIMUM LOOSE LIFT SHALL BE 8".
- B. SLAB REQUIREMENTS:
1. ALL CONCRETE SLABS SHALL HAVE A MINIMUM 4" THICKNESS AND CONTROL JOINTS AT 10'-0" O.C. MAX SPACING.
2. WHERE RECOMMENDED INTERIOR CONCRETE SLABS SHALL HAVE A PLASTIC VAPOR RETARDER PER ASTM E1745 UNDER A MINIMUM OF 6" OF COMPACTED CLEAN GRANULAR STRUCTURAL FILL.
3. SEAL ALL VAPOR RETARDER COMPLETELY AROUND ALL PIPES AND CONDUITS. INSPECT VAPOR RETARDER THOROUGHLY AND REPAIR ALL PUNCTURES AND TEARS PRIOR TO PLACING CONCRETE. ALL ALPS SHALL BE 18" MINIMUM AND SEALED CONTINUOUSLY WITH PRESSURE SENSITIVE TAPE.
4. ALL SLAB SAWN CONTROL AND CONSTRUCTION JOINTS SHALL BE MADE AS SOON AS POSSIBLE WITHOUT DAMAGE TO THE SURFACE. FILLING OF SAWN JOINTS WHERE REQUIRED SHALL BE DELAYED AS LONG AS POSSIBLE TO ALLOW MAXIMUM SHRINKAGE TO OCCUR IN SLABS.
5. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS, CURBS, DRAINS, NON-STRUCTURAL PARTITIONS AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE FOUNDATION PLAN.
- C. RETAINING WALL REQUIREMENTS:
1. ALL FILL MATERIALS BEHIND RETAINING WALLS SHALL BE FULLY DRAINED BY MEANS OF SUB-DRAIN, WEEP HOLES, OR FREE DRAINING AGGREGATE. BACKFILL FINISHED GRADE SHALL BE SLOPED AWAY FROM THE BACKFACE OF RETAINING WALL. THE DESIGN OF RETAINING WALLS AND SUBTERRANEAN BUILDING WALLS ARE BASED ON DRAINED SOILS.
2. DO NOT PLACE BACKFILL BEHIND WALLS BEFORE THEY HAVE ATTAINED THEIR DESIGN STRENGTH.
3. ANY SUPERIMPOSED LOADS, OTHER THAN RETAINED EARTH, SHALL BE CONSIDERED AS SURCHARGES AND ACCOUNTED FOR IN DESIGN. LOADS APPLIED WITHIN A HORIZONTAL DISTANCE EQUAL TO WALL STEM HEIGHT AS MEASURED FROM BACK FACE OF THE WALL SHALL BE CONSIDERED AS SURCHARGE. TEMPORARY CONSTRUCTION LOADS SHALL NOT BE APPLIED WITHIN A HORIZONTAL DISTANCE EQUAL TO STEM WALL HEIGHT FROM THE BACK FACE OF THE WALL. NOTIFY EOR IF TEMPORARY CONSTRUCTION LOADS WILL BE APPLIED WITHIN THE SPECIFIED HORIZONTAL ZONE PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE TO ADEQUATELY PROTECT ALL EXCAVATION SLOPES, WHERE NECESSARY, SHEET PILES AND SHORING OF EXCAVATION SHALL BE PROVIDED WITH ALL REQUIRED TIEBACKS AND BRACING.
5. APPROPRIATE FOUNDATION WATERPROOFING METHODS SHALL BE PROVIDED ON BACKSIDE OF SUB-SURFACE RETAINING WALLS FROM BASE OF WALL TO FINISHED GRADE.

ABBREVIATIONS

(E) EXISTING	HVAC HEATING VENTILATING AND AIR
(F) FUTURE	CONDITIONING
(N) NEW	I.D. INSIDE DIAMETER
(R) IN.	INCH
Ø CENTERLINE	INT. INTERIOR
Ø DIAMETER OR ROUND	JT. JOINT
⊥ PERPENDICULAR	K.O. KNOCKOUT
□ SQUARE	L.F. LINEAL FEET OR FOOT
# NUMBER OR POUND	L.L.V. LONG LEG VERTICAL
@ AT	L.L.H. LONG LEG HORIZONTAL
A.B. ANCHOR BOLT	LSL LAMINATED STRAND LUMBER
A.F.F. ABOVE FINISH FLOOR	LAM. LAMINATE
ABV. ABOVE	LVL LAMINATED VENEER LUMBER
ADJ. ADJUSTABLE	LBS. POUNDS
AGG. AGGREGATE	M.B. MACHINE BOLT
ALT. ALTERNATIVE	M.H. MANHOLE
ALUM. ALUMINUM	M.O. MASONRY OPENING
APPROX. APPROXIMATE	MAX. MAXIMUM
ARCH. ARCHITECTURAL	MECH. MECHANICAL
B.O. BOTTOM OF	MET. METAL
B.O.C. BOTTOM OF CONCRETE	MFR. MANUFACTURER
B/T BETWEEN	MIN. MINIMUM
B.N. BOUNDARY NAIL(ING)	MISC. MISCELLANEOUS
B.U. BUILT-UP	MTR. MOUNTED
BD. BOARD	N. NORTH
BLOG. BUILDING	N.I.C. NOT IN CONTRACT
BLK. BLOCK	N.S. NEAR SIDE
BM. BEAM	N.T.S. NOT TO SCALE
BOT. BOTTOM	NO. NUMBER
C.C. CENTER TO CENTER	NOM. NOMINAL
C.I. CAST IRON	N.S. NEAR SIDE
C.P. CAST IN PLACE	O/H OVERHEAD
CMU CONCRETE MASONRY UNIT	O. OVER
C.O. CONCRETE OPENING	O.A. OVER ALL
CLG. CEILING	O.C. ON CENTER
CL. CLEAR	O. OUTSIDE DIAMETER
CNTRSK. COUNTERSUNK	O.H. OPPOSITE HAND
COL. COLUMN	OPENING
CONC. CONCRETE	OP. OPPOSITE
CONT. CONTINUOUS	OZ. OUNCE
CORR. CORRIDOR	P.A.F. POWDER ACTUATED FASTENER
CW/ COORDINATE WITH	P. PARTICLE
D. DEEP	P/L. PROPERTY LINE
D.B.A. DEFORMED BAR ANCHOR	P.W.D. PLYWOOD
D.F. DOLGUS FIR	PRE-ENG. PRE-ENGINEERED METAL BUILDING
DET. DETAIL	PT. POINT
DIA. DIAMETER	P.S.L. PARALLEL STRAND LUMBER
DIAG. DIAGONAL	R. RADIUS OR RISER
DIM. DIMENSION	R.O. ROUGH OPENING
DN. DOWN	RE. REFERENCE (CW/)
DWG. DRAWING	RENF. REINFORCED (D)
E.B. EXPANSION BOLT	REQD. REQUIRED
E.B.E. ECCENTRICALLY BRACED FRAME	RM. ROOM
E.C. EXPANSION JOINT	R.O.P. ROOF TOP UNIT
E.N. EDGE NAIL(ING)	S.C. SOLID CORE
E.A. EACH	S.F. SQUARE FEET OR FOOT
EL. ELEVATION	S.S. STAINLESS STEEL
ELEC. ELECTRICAL	SCHED. SCHEDULE
ELEV. ELEVATOR	SECT. SECTION
EQ. EQUIPMENT	SHEET SHEET
EQUIP. EQUIPMENT	SIM. SIMILAR OR SIMILAR TO
E.S. EDGE SCREW(ING)	SPEC. SPECIFICATIONS
EXP. EXTERIOR	SQ. SQUARE
EXT. EXTERIOR	STD. STANDARD
F.B. FLAT BAR	STRUC. STRUCTURAL
F.D. FLUOR DRAIN	SUSP. SUSPENDED
F.O. FACE OF	SYM. SYMMETRICAL
F.O.C. FACE OF CURB/CONCRETE	T&G. TONGUE & GROOVE
F.O.F. FACE OF FINISH	T.O.B. TOP OF BEAM
F.O.M. FACE OF MASONRY	T.O.C. TOP OF CURB/CONCRETE
F.O.S. FACE OF STUDS	T.O.D. TOP OF DECK
F.O.T. FACE OF TREAD	T.O.M. TOP OF MASONRY
FIN. FINISH	T.O.S. TOP OF SLAB
FL. FLOOR(ING)	T.O.W. TOP OF WALL
FLASH. FLASHING	THK. THICKNESS
F.S. FAR SIDE	TJ. TRUSS JOIST I-JOIST
FT. FOOT OR FEET	TYP. TYPICAL
FTG. FOOTING	U.B.C. UNIFORM BUILDING CODE
FTW. FIRE TREATED WOOD	U.O.N. UNLESS OTHERWISE NOTED
FURR. FURRING	U.N.O. UNLESS NOTED OTHERWISE
G. GAUGE OR GAGE	VERT. VERTICAL
GALV. GALVANIZED	W/ WITH
GEN. GENERAL STRUCTURAL NOTES	W/O WITHOUT
GYP. GYPSUM	WO. WOOD
H. HIGH	W. WIDE
H.C.A. HEADED CONCRETE ANCHOR	W.P. WORK POINT
H.S.S. HOLLOW STRUCTURAL STEEL	W.W.F. WELDED WIRE FABRIC
H.P. HIGH POINT	
HORIZ. HORIZONTAL	
HR. HOUR	
HT. HEIGHT	

SHEET LIST

SHEET NUMBER	SHEET NAME
S0.0	GENERAL STRUCTURAL NOTES
S0.1	GENERAL STRUCTURAL NOTES
S0.2	GENERAL STRUCTURAL NOTES
S1.0	FLOOR PLAN
S2.0	STRUCTURAL DETAILS



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PREPARED FOR THE

FOOD SERVICE WALK-IN FREEZER DRAWING - SLAB DETAILS

CENTRAL WAREHOUSE
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FREEZER REPLACEMENT

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NATIONAL SCHOOL DISTRICT
NATIONAL CITY, CALIFORNIA

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INNOVATIVE FOOD SERVICE DESIGN

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SUBMITTALS / REVISIONS

#	ISSUE	DATE
1	DSA SUBMITTAL V1	03/19/2025
2	DSA SUBMITTAL V2	04/30/2025

**BID SET 5/1/2025
NOT FOR
CONSTRUCTION
PROJECT STILL IN
REVIEW**

PROJECT NO. 2239-E-02

SHEET NO.

K-3.6

DSA

CONSULTANT

STAMP