

STRUCTURAL GENERAL NOTES:

1. GENERAL:
- A. THESE NOTES, AND OTHER DRAWING NOTES CONTAINED WITHIN, ARE PROVIDED TO MEET SPECIFIC REQUIREMENTS AND TO SUPPLEMENT THE CONTRACT SPECIFICATIONS. THESE NOTES NEITHER REPLACE NOR OVERRIDE THE PROVISIONS AND REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
- B. SUBCONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH WORK SHOWN ON ALL OTHER DRAWINGS.
- C. VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION AND REPORT ANY DISCREPANCIES FROM THE CONTRACT DRAWINGS TO SUBCONTRACTOR PRIOR TO COMMENCING WITH WORK. SCALING OF WORKING DIMENSIONS FROM THE STRUCTURAL DRAWINGS IS PROHIBITED.
- D. CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. SUBCONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING. UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES
- E. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE CONTRACT DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR, WITH THE APPROVAL OF THE ENGINEER. WHERE SECTIONS VARY, SUBCONTRACTOR SHALL PROVIDE FOR SMOOTH TRANSITIONS BETWEEN THEM, UNLESS NOTED OTHERWISE.
- F. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
- G. ELEVATION +100' - 0" CORRESPONDS TO EXISTING GROUND FLOOR FINISH FLOOR ELEVATION.
- H. UNLESS SPECIFICALLY IDENTIFIED TO BE EXISTING (E) ELEMENTS, ALL ITEMS SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE ASSUMED TO BE NEW CONSTRUCTION.
2. DESIGN STANDARDS
- A. PRINCIPAL CODE OF RECORD: CALIFORNIA BUILDING CODE 2019.
- B. ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2016.
- C. ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2014.
- D. AISC 325, STEEL CONSTRUCTION MANUAL, 15TH EDITION, 2017.
- E. AISC 360, SPECIFICATION FOR STRUCTURAL STEEL BUILDING, 2016.
- F. AISC 341, SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, 2016.
- G. AISI COLD-FORMED STEEL DESIGN MANUAL, 2017.
3. SPECIAL INSPECTIONS: SEE DRAWINGS S-003 & S-004.
4. DESIGN LOADS
- A. RISK CATEGORY: II
- B. COLLATERAL LOADS: 10 PSF ON ROOF AND ELEVATED FLOOR FRAMING TO ACCOUNT FOR SUSPENDED CEILINGS, DUCTWORK, PIPING INCLUDING FIRE PROTECTION, LIGHTING AND ELECTRICAL.
- C. LIVE LOADS
1. FLOOR LIVE LOAD: 80 PSF OR A CONCENTRATED LOAD OF 2000 POUNDS UNIFORMLY DISTRIBUTED OVER AN AREA 2.5 FT SQUARE.
2. ROOF LIVE LOAD: 20 PSF OR A CONCENTRATED LOAD OF 300 LBS UNIFORMLY DISTRIBUTED OVER AN AREA 2.5 FT SQUARE.
3. FLOOR AND ROOF LIVE LOAD REDUCTION IS PERMITTED IN ACCORDANCE WITH 2019 CBC, SECTION 1607.11.
- D. EQUIPMENT LOADS
1. AS INDICATED FOR EQUIPMENT WEIGHING IN EXCESS OF 300 LBS. FRAMING AND FOUNDATIONS ARE DESIGNED FOR EQUIPMENT WHICH SATISFIES THE CONTRACT SPECIFICATIONS.
2. IF EQUIPMENT FURNISHED IS HEAVIER THAN THE WEIGHTS INDICATED, OR REQUIRES STRUCTURAL CHANGES FOR ANY OTHER REASON, SUBCONTRACTOR SHALL PROVIDE ENGINEERING DESIGN CALCULATIONS AND ADDITIONAL STRUCTURAL WORK NECESSARY TO SUPPORT ALL LOADS IN ACCORDANCE WITH THE DESIGN STANDARDS SPECIFIED ABOVE, AT NO ADDITIONAL COST TO BURNS AND MCDONNELL AND WITH NO INCREASE IN CONTRACT TIME.
- A. WIND LOADS
1. BASIC DESIGN WIND SPEED: 95 MPH 3-SECOND GUST.
2. NOMINAL DESIGN WIND SPEED: 95 MPH 3-SECOND GUST.
3. EXPOSURE CATEGORY: C.
4. BUILDING CONDITION: ENCLOSED, G_{Cpi} = 0.18.
5. TOPOGRAPHIC FACTOR: 1.0.
- F. EARTHQUAKE LOADS
1. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS S_s = 1.936, S₁ = 0.627.
2. SITE CLASS: D.
3. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS S_{ds} = 1.549, S_{d1} = NA.
4. SEISMIC DESIGN CATEGORY: D
5. IMPORTANCE FACTOR: 1.0.
5. EXISTING BUILDING NOTES
- A. SOME WORK OCCURS INSIDE OR ADJACENT TO AN EXISTING FACILITY.
1. SUBCONTRACTOR SHALL COORDINATE ALL WORK INSIDE OR ADJACENT TO EXISTING FACILITIES WITH SUBCONTRACTOR TO SCHEDULE TIMES THAT WILL NOT AFFECT PRODUCTION INSIDE THE FACILITY.
2. SUBCONTRACTOR SHALL LIMIT ACTIVITIES THAT MAY CAUSE DISRUPTION TO PRODUCTION INSIDE THE EXISTING FACILITY.
- B. SUBCONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING STRUCTURE AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- C. WHEN PERFORMING WORK ACTIVITIES NEAR OWNER'S PROPERTY TO REMAIN, SUBCONTRACTOR SHALL INSTALL PLASTIC SHEETING OR OTHER MATERIALS TO PROTECT THE OWNER'S PROPERTY FROM FLYING DEBRIS OR SPRAYS. REMOVE DRY, WET, OR HARDENED DEBRIS, SPRAY AND STAINS FROM OWNER'S PROPERTY.
- D. CONFIRM THE INSTALLATION AND/OR ERECTION OF NEW CONSTRUCTION WILL NOT BE IMPEDED OR OBSTRUCTED BY EXISTING CONSTRUCTION.
- E. COORDINATE ANY OBSTRUCTION WITH THE SUBCONTRACTOR PRIOR TO STARTING WORK.
6. GENERAL DEMOLITION NOTES
- A. CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF DEMOLITION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING, TEMPORARY BARRIERS AND WALLS, DUST CONTROL, DEBRIS CONTAINMENT, CLEAN UP AND DISPOSAL.
- B. PRIOR TO BEGINNING WORK, SUBCONTRACTOR SHALL VISIT THE SITE TO OBSERVE AND REVIEW SPECIFIC SITE CONDITIONS, REQUIREMENTS FOR EQUIPMENT AND TO REVIEW METHODS OF OWNER.
- C. SUBCONTRACTOR SHALL SUBMIT A DETAILED DEMOLITION PLAN TO THE ENGINEER AND OWNER BEFORE STARTING WORK. THIS PLAN SHOULD INCLUDE, BUT NOT BE LIMITED TO, SEQUENCE OF DEMOLITION METHODS AND EQUIPMENT TO BE USED, DISPOSAL PLAN, SAFETY PLAN AND MEANS TO PROTECT OWNER'S PROPERTY TO REMAIN.
- D. SUBCONTRACTOR SHALL COORDINATE THE DEMOLITION SCHEDULE WITH THE OWNER. THE EXISTING BUILDING IS OCCUPIED AND IN USE. DEMOLITION ACTIVITIES SHALL BE COORDINATED WITH OWNER'S OPERATION OF THE EXISTING BUILDING.
- E. WHEN PERFORMING DEMOLITION ACTIVITIES NEAR OWNER'S PROPERTY TO REMAIN, INSTALL PLASTIC SHEET AND/OR OTHER MATERIALS TO PROTECT OWNER'S PROPERTY FROM FLYING DEBRIS. REMOVE DEBRIS AND STAINS FROM OWNER'S PROPERTY.
- F. SUBCONTRACTOR SHALL PROTECT ADJACENT CONSTRUCTION TO REMAIN DURING DEMOLITION ACTIVITIES. ANY DAMAGE SHALL BE REPAIRED OR REMOVED AND REPLACED IN KIND TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
- G. SUBCONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION AND REPORT ANY DISCREPANCIES FROM THE EXISTING CONTRACT OR REFERENCE DRAWINGS PRIOR TO COMMENCING WITH WORK.

7. MATERIALS: SEE THE CONTRACT SPECIFICATIONS FOR COMPLETE REQUIREMENTS AND COMPLY WITH ALL APPLICABLE OSHA REGULATIONS
- A. REINFORCED CONCRETE: (SECTIONS 03 10 00, 03 20 00, 03 30 00)
1. PREPARE AND PLACE REINFORCED CONCRETE IN ACCORDANCE WITH ACI MANUAL OF CONCRETE PRACTICE AS MODIFIED BY CONTRACT DOCUMENTS.
2. CONCRETE
- a. UNLESS NOTED OTHERWISE: MINIMUM 28-DAY COMPRESSIVE STRENGTH f_c = 4000 PSI, NORMAL WEIGHT.
- b. SLABS ON GRADE: MINIMUM 28-DAY COMPRESSIVE STRENGTH f_c = 4000 PSI, NORMAL WEIGHT WITH A MINIMUM 28-DAY FLEXURAL STRENGTH OF 650 PSI.
- c. DO NOT AIR-ENTRAIN CONCRETE FOR INTERIOR SLABS WITH TROWEL FINISH.
3. FORMWORK
- a. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, ENGINEERING, STRUCTURAL ADEQUACY, AND CONSTRUCTION OF ALL CONCRETE FORMWORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- b. COORDINATE ALL CONCRETE WORK WITH THE PLACEMENT OF PIPING, INSERTS, FLOOR DRAINS, AND OTHER EMBEDDED ITEMS INDICATED ON THE CONTRACT DRAWINGS OR IN THE CONTRACT SPECIFICATIONS.
- c. SLEEVE NEW OR EXISTING PIPING OR UTILITIES PASSING THROUGH NEW CONCRETE, UNLESS NOTED OTHERWISE. SEE OTHER DISCIPLINE DRAWINGS FOR SLEEVE DETAILS. PROVIDE MEASURES TO ENSURE THAT SLEEVES REMAIN FREE OF DEBRIS AND WATER DURING CONSTRUCTION.
- d. PROVIDE 3/4" CHAMFER STRIPS ON ALL EDGES OF EXPOSED CONCRETE, UNLESS NOTED OTHERWISE.
- e. FOOTINGS MAY BE EARTH-FORMED USING UNDISTURBED NATIVE SOIL PROVIDE MINIMUM EXCAVATION WITH 2" GREATER THAN INDICATED.
4. REINFORCING STEEL
- a. BARS: ASTM A615 GRADE 60, (ASTM A706 GRADE 60 FOR WELDING).
- b. WELDED WIRE REINFORCEMENT: ASTM A1064.
- c. REINFORCE ALL CONCRETE UNLESS SPECIFICALLY MARKED "NOT REINFORCED" OR "UNREINFORCED".
- d. DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH ACI SP-66, ACI 301, ACI 318, AND CRSI MANUAL OF STANDARD PRACTICE. DO NOT INSERT REINFORCEMENT INTO FRESH OR PARTIALLY HARDENED CONCRETE.
- e. PROVIDE MINIMUM CONCRETE CLEAR COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE.
- (1) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3".
- (2) CONCRETE EXPOSED TO EARTH OR WEATHER: #6 AND LARGER BARS - 2". OTHER REINFORCEMENT - 1 1/2".
- (3) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS AND WALLS - 3/4"; OTHER MEMBERS - 1 1/2".
- f. CONFORM EMBEDMENT AND LAP SPLICE LENGTHS TO TABLES AND DETAILS ON CONTRACT DRAWINGS, UNLESS NOTED OTHERWISE.
- g. PROVIDE ADDITIONAL REINFORCEMENT AT OPENINGS AND CORNER BARS AT INTERSECTING GRADE BEAMS, WALLS, AND CURBS IN ACCORDANCE WITH TYPICAL DETAILS ON CONTRACT DRAWINGS, UNLESS NOTED OTHERWISE.
- h. EPOXY GROUT: ASTM C881, TYPE IV, GRADE 2 OR 3, WITH EMBEDMENT TO DEVELOP YIELD STRENGTH OF BAR, UNLESS NOTED OTHERWISE.
5. JOINTS
- a. LOCATE JOINTS AS INDICATED OR SPECIFIED, OR AS OTHERWISE APPROVED BY ENGINEER.
- b. CLEAN SURFACES OF HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS OF LAITANCE TO EXPOSE CLEAN COARSE AGGREGATE SOLIDLY EMBEDDED IN MORTAR MIX. JUST PRIOR TO DEPOSITING CONCRETE, THOROUGHLY CLEAN AND WET SURFACE OF CONSTRUCTION JOINT.
- c. IN ADDITION, WHEN NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE, ADEQUATELY PREPARE SURFACE BY APPLYING BONDING AGENT.
- d. PROVIDE WATERSTOPS AT CONCRETE JOINTS WHERE INDICATED.
- B. STRUCTURAL STEEL (SECTION 05 12 00)
1. FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 15th EDITION AND AISC 303-2000 - CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, AS MODIFIED BY CONTRACT DOCUMENTS.
2. DESIGN AND PROVIDE TEMPORARY ERECTION BRACING AS REQUIRED, AND DO NOT REMOVE IT UNTIL ALL PERMANENT LATERAL LOAD-RESISTING ELEMENTS AND CONNECTIONS ARE COMPLETELY INSTALLED.
3. WIDE FLANGE SHAPES AND TEES: ASTM A992, F_y = 50 KSI.
4. OTHER SHAPES, PLATES, AND THREADED RODS
- a. ASTM A36, F_y = 36 KSI, UNLESS NOTED OTHERWISE.
- b. ASTM A572 GRADE 50, F_y = 50 KSI, WHERE INDICATED AS "(50)".
5. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B, F_y = 46 KSI.
6. ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B, F_y = 42 KSI.
7. PIPE: ASTM A53 TYPE E OR S, GRADE B, F_y = 35 KSI.
8. BOLTS
- a. 3/4" DIAMETER ASTM F3125 GRADE A325, UNLESS NOTED OTHERWISE.
- b. FRAMING CONNECTIONS: PRETENSIONED JOINTS WITH STANDARD HOLES, UNLESS NOTED OTHERWISE.
- c. BRACING CONNECTIONS: PRETENSIONED JOINTS WITH STANDARD HOLES, UNLESS NOTED OTHERWISE.
9. WELDING: AWS D1.1 USING E70 ELECTRODE, WITH LOW HYDROGEN WHERE REQUIRED.
10. ANCHOR RODS
- a. ASTM F1554 GRADE 36, UNLESS NOTED OTHERWISE.
- b. LOCATE ANCHOR RODS ACCURATELY, SET WITH TEMPLATES, AND SECURELY HOLD IN POSITION WHILE PLACING CONCRETE. PROTECT IN-PLACE ANCHOR RODS FROM CONSTRUCTION ACTIVITY.
- c. THE FOLLOWING ARE PROHIBITED WITHOUT EXPLICIT PRIOR APPROVAL IN WRITING FROM STRUCTURAL ENGINEER OF RECORD:
- A. INSERTING ANCHOR RODS INTO FRESH OR PARTIALLY HARDENED CONCRETE.
- B. SUBSTITUTING POST-INSTALLED ANCHORS WHERE EMBEDDED ANCHOR RODS ARE INDICATED.
- C. REPAIRING, REPLACING, OR MODIFYING INSTALLED ANCHOR RODS.

7. MATERIALS (CONTINUED):
- C. POST-INSTALLED ANCHORS
1. POST-INSTALLED MECHANICAL ANCHORS
- a. STAINLESS STEEL MANUALLY EXPANDED WEDGE TYPE, UNLESS NOTED OTHERWISE.
- b. PROVIDE ANCHORS THAT HAVE BEEN TESTED AND ASSESSED IN ACCORDANCE WITH LATEST EDITION OF APPLICABLE ACCEPTANCE CRITERIA AND SUBMIT CORRESPONDING IC EVALUATION SERVICE REPORTS.
1. MECHANICAL ANCHORS IN CONCRETE: ICC-ES AC193.
2. EXPANSION ANCHORS IN MASONRY: ICC-ES AC01.
3. PREDRILLED FASTENERS (SCREW ANCHORS) IN MASONRY: ICC-ES AC106.
2. POST-INSTALLED ADHESIVE ANCHORS
- a. STAINLESS STEEL THREADED ROD WITH EPOXY OR HYBRID RESIN ADHESIVE AND CYLINDRICAL WIRE MESH SCREEN TUBE FOR INSTALLATION IN HOLLOW MASONRY, UNLESS NOTED OTHERWISE.
- b. DO NOT USE BULK-MIXED ADHESIVES. PROVIDE THREADED ROD COMPATIBLE WITH ADHESIVE AND ACCEPTABLE TO MANUFACTURER.
- c. PROVIDE ANCHORS AS ENTIRE SYSTEM INCLUDING, BUT NOT LIMITED TO MANUFACTURER'S PRINTED INSTRUCTIONS AS FURNISHED WITH ADHESIVE, ADHESIVE CARTRIDGE, MIXING NOZZLE, EXTENSION TUBE, DISPENSER, AND ALL REQUIRED EQUIPMENT FOR PROPERLY CLEANING DRILLED HOLE.
- d. PROVIDE ANCHOR SYSTEMS THAT HAVE BEEN TESTED AND ASSESSED IN ACCORDANCE WITH LATEST EDITION OF APPLICABLE ACCEPTANCE CRITERIA AND SUBMIT CORRESPONDING ICC EVALUATION SERVICE REPORTS.
1. ADHESIVE ANCHORS IN CONCRETE: ICC-ES AC308.
2. ADHESIVE ANCHORS IN MASONRY: ICC-ES AC58.
3. ANCHORS IN UNREINFORCED MASONRY: ICC-ES AC60, REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL NOT INCLUDED IN STRUCTURAL DRAWINGS. INCLUDE MISCELLANEOUS STEEL IN SHOP DRAWINGS SUBMITTED FOR REVIEW AND APPROVAL.
3. USE NON-PNEUMATIC, ROTARY HAMMER TOOLS WITH ANSI COMPLIANT NON-REBAR CUTTING DRILL BITS TO DRILL HOLES OF PROPER TOLERANCES. LOCATE EXISTING REBAR INCLUDING PRE-STRESSING AND POST-TENSIONING TENDONS USING NON-HAZARDOUS, NON-DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES TO AVOID CUTTING OR DAMAGING EXISTING REBAR OR TENDONS. HOLES SHALL BE THOROUGHLY CLEANED PER MANUFACTURER'S WRITTEN RECOMMENDATIONS PRIOR TO INSTALLATION OF ANCHORAGES.
- D. BOLTED METAL FRAMING (STRUT SYSTEM)
1. ALL B-LINE METAL FRAMING MATERIAL, FITTINGS, AND RELATED ACCESSORIES SHALL BE MANUFACTURED BY EATON CORPORATION.
2. ALL MATERIAL IS TO BE DELIVERED TO THE JOB SITE IN ORIGINAL FACTORY PACKAGING.
3. ALL CHANNEL MEMBERS SHALL BE FABRICATED FROM STRUCTURAL STEEL CONFORMING TO ASTM A-653, GRADE 33.
4. ALL FITTINGS SHALL BE FABRICATED FROM STEEL CONFORMING TO ASTM A-575, A-576, A-36 OR A-635.
5. EATON B-LINE COMPONENTS SHALL BE PRE-GALVANIZED STEEL WITH MINIMUM MILL GALVANIZED COATING DESIGNATION G90.
6. EATON B-LINE NUTS SHALL BE CASE HARDENED STEEL AND SHALL HAVE TWO TOOTHED GROOVES IN THE TOP OF THE NUT TO ENGAGE THE INTURNED EDGES OF THE CHANNEL TO PREVENT ANY MOVEMENT OF THE BOLT AND NUT WITHIN THE FRAMING MEMBER. STANDARD NUTS SHALL CONFORM TO ASTM A1011 SS GR 33 (MATERIAL ONLY). SCREWS SHALL CONFORM TO SAE J429 GR (ALSO MEETS AND EXCEEDS ASTM A-307).
7. THREADED HARDWARE SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633 SERVICE CLASS 1 (SC1). SERVICE CLASS 1 IS NOT AN ACCEPTABLE COATING FOR FITTINGS OR COMPONENTS OTHER THAN THREADED HARDWARE.
8. WELDING SHALL BE IN ACCORDANCE WITH STRUCTURAL WELDING CODE - SHEET STEEL, AWS D1.3, BY THE AMERICAN WELDING SOCIETY.
9. ALL NUTS AND BOLTS SHALL BE TIGHTENED TO THE FOLLOWING VALUES:

| BOLT SIZE | TORQUE (FT-LBS) |
|-----------|-----------------|
| 1/4-20 | 6 |
| 5/16-18 | 11 |
| 3/8-16 | 19 |
| 1/2-13 | 50 |

8. DEFERRED SUBMITTALS ITEMS ANCHORED OR SUPPORTED BY STRUCTURE
- A. DESIGN RESPONSIBILITY: SUBCONTRACTOR TO DESIGN AND OBTAIN SEPARATE GOVERNING CODE AUTHORITY APPROVAL FOR THE FOLLOWING DEFERRED SUBMITTAL ITEMS:
1. SEISMIC BRACING OF MECHANICAL PIPING AND DUCT SUPPORT
2. SEISMIC BRACING OF ELECTRICAL CONDUIT SUPPORTS
3. MECHANICAL FIRE PIPING SUPPORTS (GRAVITY AND SEISMIC).
- B. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS: SUBMIT DESIGN PLANS, DETAILS, AND CALCULATIONS OF DEFERRED SUBMITTAL ITEMS SIGNED AND SEALED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF CALIFORNIA FOR ACCEPTANCE TO GOVERNING CODE AUTHORITY FOR APPROVAL PRIOR TO FABRICATION.
- C. DESIGN COMPONENTS FOR IMPOSED FORCES INCLUDING LATERAL RESTRAINT COMPLYING WITH APPLICABLE CODE, CONTRACT DOCUMENTS AND APPLICABLE PORTIONS OF AISI SPECIFICATIONS. IF BUILDING LATERAL RESISTING SYSTEM IS USED FOR LATERAL RESTRAINT, INDICATE LOAD PATHS TO BUILDING LATERAL RESISTING SYSTEM IN CALCULATIONS AND SHOW CONNECTION FORCES ON SHOP DRAWINGS. WHERE BUILDING PROVIDES VERTICAL SUPPORT, INDICATE LOADS AND LOAD PATHS TO BUILDING IN CALCULATIONS AND SHOW CONNECTION FORCES ON SHOP DRAWINGS.
- D. STABILIZING ELEMENTS AT CONNECTIONS TO STRUCTURAL MEMBERS: DESIGN CONNECTION TO DEFERRED SUBMITTAL ITEMS TO SUPPORTING STRUCTURE SUCH THAT TORSION IN SUPPORTING ELEMENTS IS AVOIDED WHEREVER POSSIBLE.
- E. PREFABRICATED STRUCTURAL ELEMENTS SHALL BE FABRICATED BY AN APPROVED FABRICATOR, WHO SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL AT THE COMPLETION OF FABRICATION STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

| | |
|-------------|---------------------------|
| Sheet Title | GENERAL NOTES |
| Dwg. No. | PLS2021-0432-0001D |
| Sht. No. | S-001 |