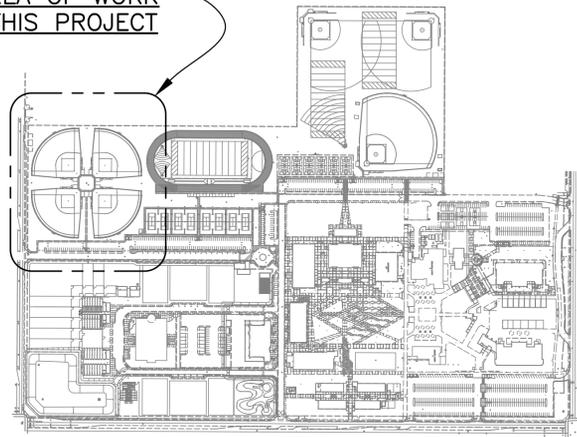


10 VICINITY MAP

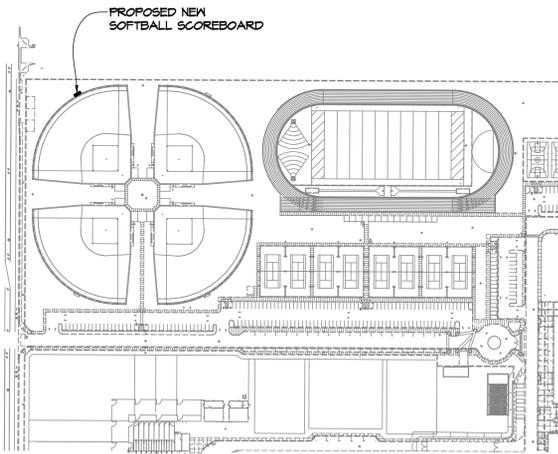
SCALE: N.T.S.

AREA OF WORK THIS PROJECT



11 SITE PLAN

SCALE: N.T.S.



12 AREA OF WORK

ITEMS

SCALE: N.T.S.

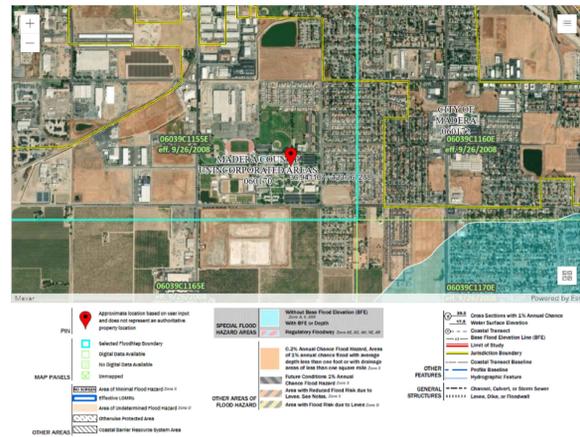
| | | |
|--------------------|---|---|
| OWNER: | MADERA UNIFIED SCHOOL DISTRICT 1205 S. MADERA AVE. MADERA, CA 93637 T: (559) 675-4540 |  |
| STRUCTURAL: | BROOKS RANSOM ASSOCIATES 7415 N. PALM AVE. STE. 100 FRESNO, CA 93711 T: (559) 444-9444 F: (559) 444-8404 CONTACT: ARTURO LOPEZ |  |
| ELECTRICAL: | HARDIN-DAVIDSON ENGINEERING 356 POLLASKY AVE. STE. 200 CLOVIS, CA 93612 T: (559) 323-4995 | |

9 CONSULTANTS

SCALE: N.T.S.

FLOOD HAZARD ZONE INFORMATION:

- 1.) FLOOD ZONE DESIGNATION: ZONE X - OTHER AREAS OUTSIDE OF THE 0.2% ANNUAL CHANGE FLOODPLAIN
- 2.) FIRM PANEL DESIGNATION: MAP# 06039C1155E
- 3.) FIRM EFFECTIVE DATE: SEPTEMBER 26, 2008
- 4.) BASE FLOOD ELEVATION: N/A



10 FLOOD ZONE

SCALE: N.T.S.

PROJECT INFORMATION:

- PROJECT NAME:** MADERA SOUTH HIGH SCHOOL
- LOCATION:** 705 N. PECAN AVE. MADERA, CALIFORNIA 93637
- PROJECT DESCRIPTION:** PROVIDE NEW MODEL NEVCO 1609-PC OUTDOOR SOFTBALL SCOREBOARD

SCOPE OF WORK:

- 1.) CONSTRUCT SCOREBOARDS STRUCTURAL SUPPORTS AND FOOTINGS.
- 2.) MAKE ELECTRICAL POWER CONNECTION FROM EXISTING ELECTRICAL PULL BOX, INCLUDING DISCONNECT.
- 3.) PAINT EXPOSED STEEL.

GENERAL NOTES:

- 1.) ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE CONSTRUCTIONS DRAWINGS, THE CONTRACT SPECIFICATIONS AND, WHERE APPLICABLE, THE CITY OF MADERA AND THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
- 2.) THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE SCHOOL DISTRICT'S USE OF THE FACILITIES AND OTHER CONTRACTORS WHO MAY BE DOING CONSTRUCTION WITHIN THE PROJECT SITE.
- 3.) THE CONTRACTORS SHALL CONTACT DISTRICT OFFICIALS FOR DETERMINATION OF DEPTH AND LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION IN THE PROJECT SITE.
- 4.) BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY AUTHORITIES OR UTILITY COMPANIES HAVING POSSIBLE INTEREST IN THE WORK OF THE CONTRACTOR'S INTENTION TO EXCAVATE PROXIMATE TO EXISTING FACILITIES AND THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITIES IN THE WORK AREA, NOTIFY U.S.A. AT (800) 642-2444, TWO (2) DAYS PRIOR TO EXCAVATION.
- 5.) CONTRACTOR SHALL PROVIDE 6' HIGH TEMPORARY CHAIN LINK FENCE AROUND THE PERIMETER OF THE WORK AREAS EXCEPT WHERE ENCLOSED BY EXISTING FENCING.
- 6.) ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE (CBC).
- 7.) CHANGE TO THE APPROVED DRAWINGS SHALL BE MADE BY APPENDIX OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- 8.) A "DSA CERTIFIED" CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- 9.) A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- 10.) FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 33 OF THE 2022 CALIFORNIA BUILDING CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF THE CALIFORNIA FIRE CODE.
- 11.) THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-311(C), PART 1, TITLE 24, CCR.)
- 12.) GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- 13.) SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR APPENDIX, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.

6 GENERAL DESIGN NOTES

SCALE: N.T.S.



MADERA UNIFIED SCHOOL DISTRICT

1205 S. Madera Ave. Madera, California 93637
(559) 675-4548

SHEET INDEX:

SHT. NO. TITLE

GENERAL

- C-1 COVER SHEET
- SP-1 STRUCTURAL PARTIAL SITE PLAN

NEVCO DSA P.C. 04-122317

- SB0.1 COVER SHEET
- SB0.2 STRUCTURAL NOTES
- SB0.3 EXAMPLE DSA 103-TESTING AND INSPECTIONS
- SB1.1 MARGUEE CAISSON - EMBEDDED
- SB1.2 MARGUEE CAISSON - BOLTED
- SB1.3 MARGUEE MAT FOOTING
- SB2.1 TWO COLUMN CAISSON - EMBEDDED
- SB2.2 TWO COLUMN CAISSON - BOLTED
- SB2.3 TWO COLUMN MAT FOOTING
- SB3.1 THREE COLUMN CAISSON - EMBEDDED
- SB3.2 THREE COLUMN CAISSON - BOLTED
- SB3.3 THREE COLUMN MAT FOOTING
- SB4.1 FOUR COLUMN CAISSON - EMBEDDED
- SB4.2 FOUR COLUMN CAISSON - BOLTED
- SB4.3 FOUR COLUMN MAT FOOTING
- SB5.1 ATTACHMENT DETAILS
- SB5.2 OPTIONAL SCOREBOARD FEATURE ATTACHMENT DETAILS
- SB5.3 DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS
- SB5.4 DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS 4-10mm VIDEO BOARD
- SB6.1 INDOOR WALL MOUNTED SCOREBOARD

ELECTRICAL

- E1 ELECTRICAL SYMBOLS, NOTES AND DETAILS
- E2 ELECTRICAL PARTIAL SITE PLAN

TOTAL SHEET COUNT: 24

3 SHEET INDEX

SCALE: N.T.S.

4 DEFERRED SUBMITTAL

SCALE: N.T.S.

NOT APPLICABLE



APPROVALS:
APPLICATION #
02-122089

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122089 INC:
REVIEWED FOR
SS FLS ACS
DATE: 4/3/2024

DATE: 12/12/2023

COVER SHEET
MADERA SOUTH HIGH SCHOOL
SOFTBALL SCOREBOARD
MADERA, CA 93637

REVISIONS

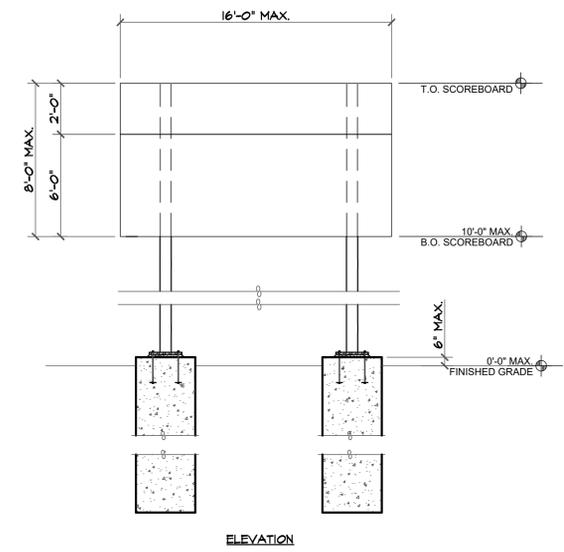
Brooks Ransom ASSOCIATES
7415 N. PALM AVE. STE. 100 FRESNO, CA 93711
(559) 446-9444 OFFICE | (559) 446-9404 FAX

SHEET:

C-1

PROJECT 23314.01

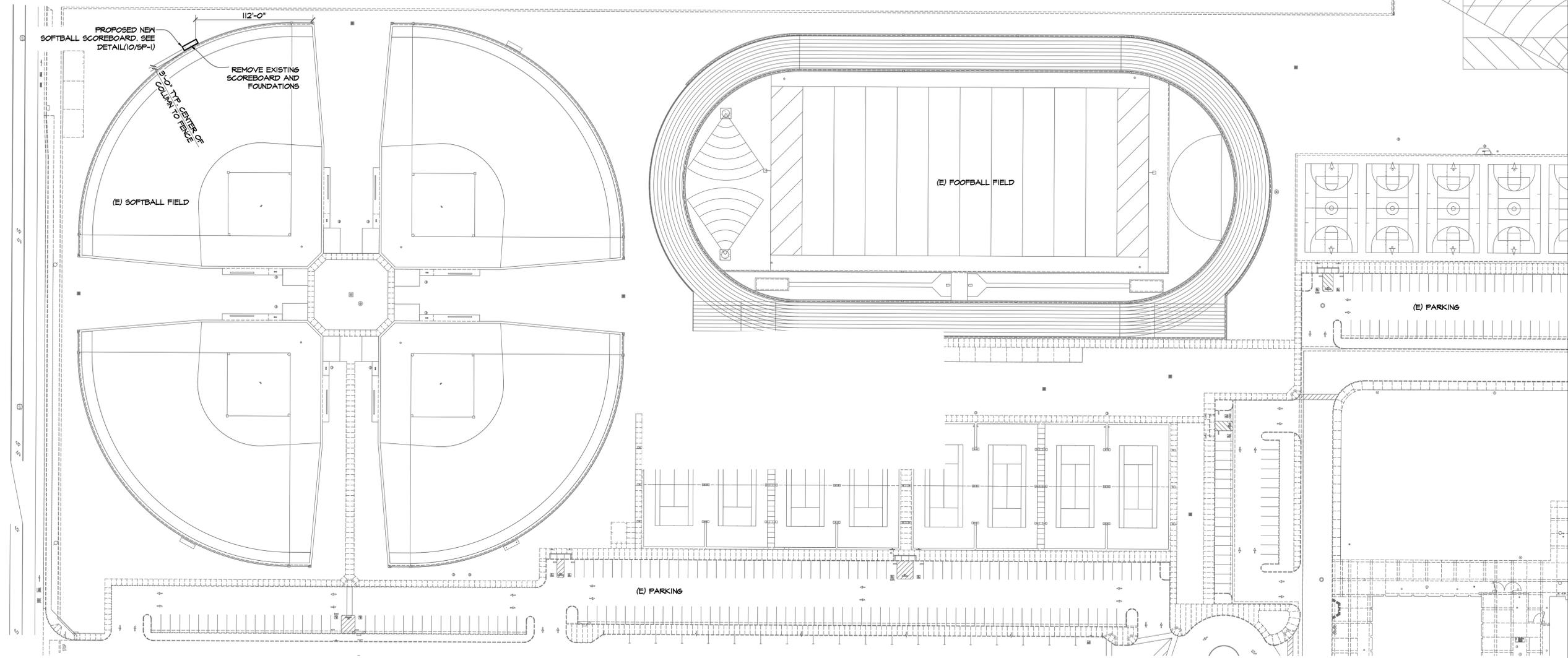
SEE DSA P.C. 04-122317 FOR NEVCO 1604-PC SCOREBOARD



ELEVATION

SCALE: N.T.S.

10 DETAIL



PARTIAL SITE PLAN
MADERA SOUTH HIGH SCHOOL
SOFTBALL SCOREBOARD
MADERA, CA 93637

REVISIONS

| | |
|--|--|
| | |
| | |
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| | |
| | |

BrooksRansom
ASSOCIATES
7415 N. PALM AVE. STE. 100 FRESNO, CA 93711
(559) 446-8444 OFFICE | (559) 446-8404 FAX



12 PARTIAL SITE PLAN

SCALE: 1" = 50'-0"

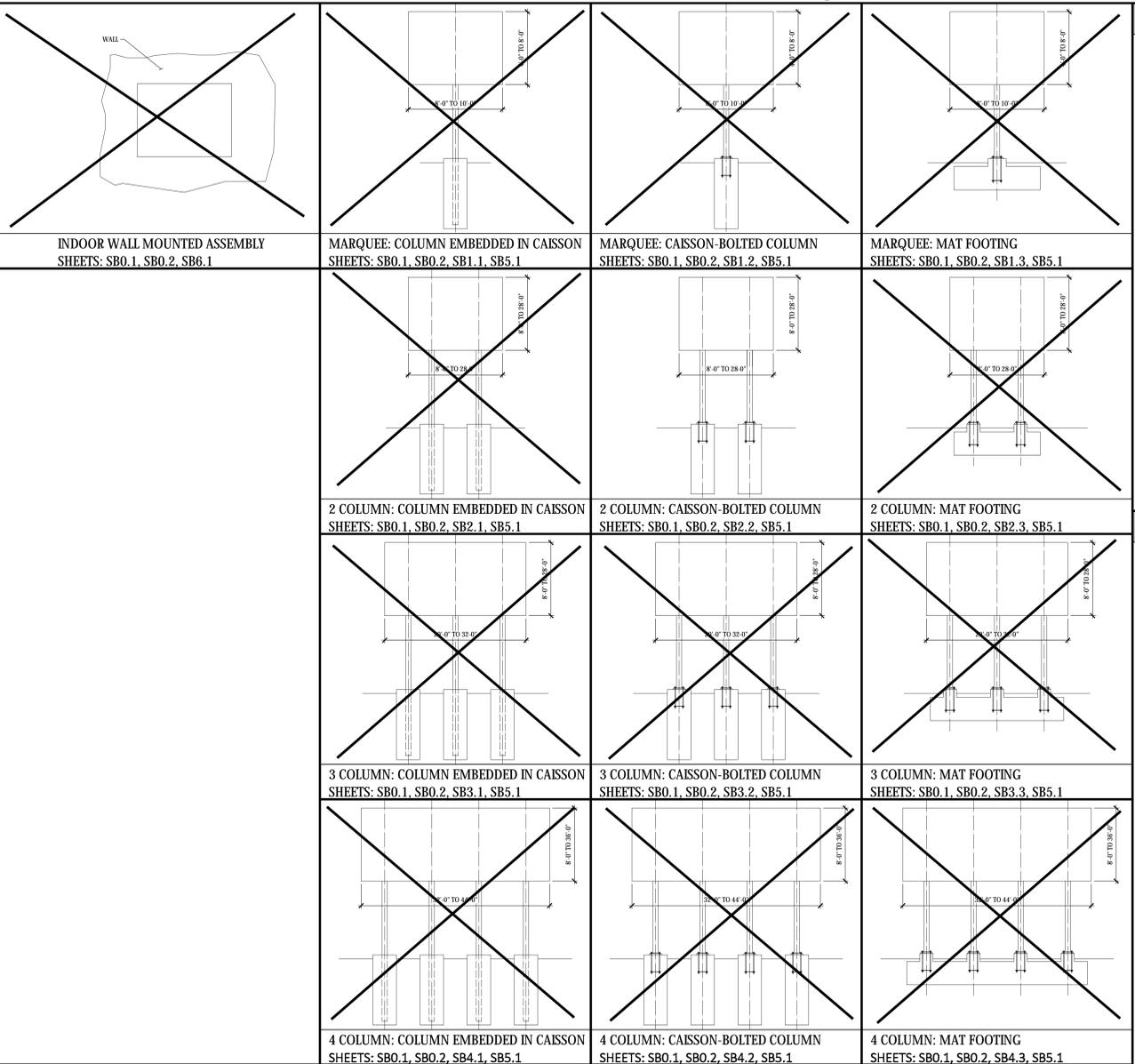


PC SEOR SEAL 08.09.2023

THESE DRAWINGS, NOTES AND DETAILS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF SSG STRUCTURAL ENGINEERS. NO PART THEREOF SHALL BE REPRODUCED, COPIED, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER. CONTACT: 301 East Harris Avenue, Greenville, Illinois 62246. Phone: (618) 664-0960. www.nevco.com



APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122317 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2023



SCOREBOARD ASSEMBLY WORKSHEET (TABLE A, C & D) INSTRUCTIONS

STEP 1: DETERMINE DESIRED SCOREBOARD ASSEMBLY. FILL OUT SCOREBOARD ASSEMBLY TABLE (TABLE A BELOW). PROVIDE NEVCO PART NUMBERS, PART HEIGHT, PART WIDTH, AND PART WEIGHTS.

STEP 2: DETERMINE TOTAL ASSEMBLY HEIGHT, WIDTH, AND WEIGHT, TABLE A

STEP 3: BASED ON TOTAL ASSEMBLY WIDTH, DETERMINE THE NUMBER OF REQUIRED COLUMNS. SEE SHEETS SB1.X FOR 1 COLUMN ASSEMBLY OPTIONS, SB2.X FOR 2 COLUMN ASSEMBLY OPTIONS, SB3.X FOR 3 COLUMN ASSEMBLY OPTIONS, SB4.X FOR 4 COLUMN ASSEMBLY OPTIONS, SB6.1 FOR WALL MOUNTED ASSEMBLY OPTIONS (SKIP STEPS 4, 5, & 7)

STEP 4: PICK FOUNDATION TYPE (CAISSON WITH EMBEDDED COLUMN, CAISSON WITH BOLTED COLUMN, OR MAT FOOTING). MARK APPLICABLE SHEET ON SHEET INDEX, SB0.1

STEP 5: MARK APPLICABLE CHECK BOX FOR SCOREBOARD SIZE ON DETAIL 'A' OF SELECTED COLUMN/FOUNDATION OPTION (SHEETS SB1.X, SB2.X, SB3.X OR SB4.X)

STEP 6: FILL IN SITE SPECIFIC SEISMIC AND WIND VALUES TABLE C ON SB0.1

STEP 7: FILL IN SITE SPECIFIC FLOOD ZONE AS REQUIRED, TABLE D ON SB0.1

STEP 8: VERIFY ALL APPLICABLE SHEETS ARE MARKED ON SHEET INDEX, SB0.1. INCLUDE ONLY MARKED SHEETS AS PART OF DSA SUBMITTAL

| CHECK ALL THAT APPLY | SHEET INDEX |
|---|---|
| <input checked="" type="checkbox"/> (REQ'D) | SB0.1 COVER SHEET |
| <input checked="" type="checkbox"/> (REQ'D) | SB0.2 STRUCTURAL NOTES |
| <input type="checkbox"/> | SB0.3 EXAMPLE DSA 103 - TESTING AND INSPECTIONS |
| <input type="checkbox"/> | SB1.1 MARQUEE CAISSON - EMBEDDED |
| <input type="checkbox"/> | SB1.2 MARQUEE CAISSON - BOLTED |
| <input type="checkbox"/> | SB1.3 MARQUEE MAT FOOTING |
| <input type="checkbox"/> | SB2.1 TWO COLUMN CAISSON - EMBEDDED |
| <input type="checkbox"/> | SB2.2 TWO COLUMN CAISSON - BOLTED |
| <input type="checkbox"/> | SB2.3 TWO COLUMN MAT FOOTING |
| <input type="checkbox"/> | SB3.1 THREE COLUMN CAISSON - EMBEDDED |
| <input checked="" type="checkbox"/> | SB3.2 THREE COLUMN CAISSON - BOLTED |
| <input type="checkbox"/> | SB3.3 THREE COLUMN MAT FOOTING |
| <input type="checkbox"/> | SB4.1 FOUR COLUMN CAISSON - EMBEDDED |
| <input type="checkbox"/> | SB4.2 FOUR COLUMN CAISSON - BOLTED |
| <input type="checkbox"/> | SB4.3 FOUR COLUMN MAT FOOTING |
| <input checked="" type="checkbox"/> | SB5.1 ATTACHMENT DETAILS |
| <input checked="" type="checkbox"/> | SB5.2 OPTIONAL SCOREBOARD FEATURE ATTACHMENT DETAILS |
| <input type="checkbox"/> | SB5.3 DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS |
| <input type="checkbox"/> | SB5.4 DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS & 10mm VIDEO BOARD |
| <input type="checkbox"/> | SB6.1 INDOOR WALL MOUNTED SCOREBOARD |

SITE SPECIFIC SUBMITTAL REQUIREMENTS

SEE DSA POLICY PL 07-02 FOR ADDITIONAL INSTRUCTIONS REGARDING USE AND APPLICATION OF THIS PRE-CHECK DOCUMENT. ALL SITE SPECIFIC SUBMITTALS SHALL INCLUDE:

- COMPLETED DSA 1 APPLICATION, DSA3, DSA 103, AND FILING FEE AND COPY OF THE PRE-CHECK DOCUMENT WITH APPLICABLE DESIGN OPTION MARKED ON THE MARQUEE, TWO COLUMN, THREE COLUMN, FOUR COLUMN, OR WALL ASSEMBLY SCHEDULES.
- SITE PLAN OF FACILITY IDENTIFYING ALL STRUCTURES BY DSA APPLICATION NUMBER. LOCATION OF SCOREBOARD SHALL BE IDENTIFIED. ELECTRICAL PANEL SERVING THE SCOREBOARD SHALL BE LOCATED AND IDENTIFIED.
- WHERE WIRELESS CONTROLLERS ARE NOT SPECIFIED, AN ACCESSIBLE PATH OF TRAVEL AND ACCESSIBLE SEATING FOR THE SCOREBOARD OPERATOR SHALL BE IDENTIFIED AND PROVIDED.
- PROVIDE AN ELEVATION OF PROPOSED SCOREBOARD IDENTIFYING ALL INSTALLED DISPLAY COMPONENTS, SIGNAGE, TRUSSES, AND ADDITIONAL COMPONENTS IN THE PRE-CHECK DOCUMENT. ALL ELEMENT WEIGHTS SHALL BE SPECIFIED.
- THE APPLICABLE SHEETS SHALL BE IDENTIFIED BY MARKING APPROPRIATE CHECK BOX ON THIS SHEET.
- THE APPLICABLE CONFIGURATION SHALL BE IDENTIFIED BY MARKING APPROPRIATE CHECK BOX ON THE 'A' DETAILS ON THE APPLICABLE SHEET.
- PROVIDE CUT SHEETS OF THE BOARDS, BOXES, AND EQUIPMENT TO BE MOUNTED ON THE STRUCTURE. CUT SHEETS SHALL INCLUDE WEIGHTS AND DIMENSIONS
- SITE SPECIFIC SEISMIC DESIGN CRITERIA SHALL BE PROVIDED IN THE DRAWINGS.
- SITE SPECIFIC BASIC DESIGN WINDSPEED AND SITE EXPOSURE SHALL BE PROVIDED ON THE DRAWINGS. SEE TABLE C.
- STEEL COATING SPECIFICATIONS FOR WEATHER PROTECTION IF DIFFERENT THAN NOTED ON SB0.3
- A GEOHAZARD REPORT IS NOT REQUIRED PER IR A-4.13. IF A SCOREBOARD IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED BY A GEOTECHNICAL ENGINEER IS REQUIRED VALIDATING THE ALLOWABLE SOIL VALUES. PROVIDE INFORMATION IN TABLE D.
- PROVIDE A SITE SPECIFIC DESIGN FOR STRUCTURES THAT DO NOT MEET THE MINIMUM SETBACK REQUIREMENTS.
- PROVIDE A SITE SPECIFIC DESIGN FOR STRUCTURES LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F.
- FOR WALL MOUNTED ASSEMBLIES (SB6.1), STRUCTURAL ANALYSIS AND JUSTIFICATION THAT THE WALL FRAMING IS CAPABLE OF SUPPORTING THE ALLOWABLE FOR VERTICAL AND LATERAL LOADS.

CODE INFORMATION

2022 CALIFORNIA BUILDING STANDARDS CODE (TITLE 24, CCR):

2022 ADMINISTRATIVE CODE, PART 1, TITLE 24 CODE OF REGULATIONS (CCR)
2022 CALIFORNIA BUILDING CODE VOLUMES 1 & 2, PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR

REFERENCED CODE SECTIONS FOR APPLICABLE STANDARDS:
2022 CALIFORNIA BUILDING CODE, CHAPTER 35
2022 CALIFORNIA FIRE CODE, CHAPTER 80

GENERAL NOTES AND MATERIAL SPECIFICATIONS

GENERAL REQUIREMENTS

- THE ARCHITECT OR PROFESSIONAL ENGINEER IN GENERAL RESPONSIBLE CHARGE SHALL SIGN AND SEAL ALL DRAWINGS AND SPECIFICATIONS PER TITLE 24, PART 1, SECTIONS 4-316(E) AND 4-317 (H).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA, OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY TITLE 24, PART 1, SECTION 4-338.
- THE DISTRICT SHALL EMPLOY A CLASS 2 PROJECT INSPECTOR WHEN OVERALL STRUCTURE HEIGHT IS 35 FEET OR GREATER, OTHERWISE A CLASS 3 PROJECT INSPECTOR MAY BE USED. THE PROJECT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK, AND SHALL SUBMIT VERIFIED REPORTS ON A DSA-6 FORM. THE DUTIES OF THE PROJECT INSPECTION ARE DEFINED IN TITLE 24, PART 1, SECTION 4-342.
- ALL SCOREBOARD CONTROLS SHALL BE FULLY ACCESSIBLE VIA WIRELESS CONTROL OR COMPLETE DESIGN SHALL BE DEMONSTRATED IN THE SITE-SPECIFIC APPLICATION.
- ALL ASSEMBLIES SHALL HAVE ELECTRICAL DISCONNECT PER CEC 600.6 AND BE ELECTRICALLY GROUNDED PER CEC 600.7, SEE DETAIL B/SB5.1
- IN FLOOD ZONES, LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO ASCE 24, SECTION 7.2 PER DSA PR-14-01 SECTION 1.2.1.
- SEE PAGE, SB0.2, FOR ALL MATERIAL SPECIFICATIONS AND NOTES.
- PROJECT DESIGN PROFESSIONAL OF RECORD IS RESPONSIBLE FOR PREPARATION OF THE PROJECT SPECIFIC DSA 103 AND IS RESPONSIBLE FOR ALL SHOP DRAWING AND SUBMITTAL REVIEWS. SEE SB0.3 FOR EXAMPLE DSA 103

TABLE C - SITE SPECIFIC SEISMIC AND WIND VALUES

| EARTHQUAKE DESIGN DATA | MAXIMUM | SITE SPECIFIC |
|--|-------------------------|-------------------------|
| Mapped Spectral Response Accelerations (Maximum) | S _w = 3.73 g | S _w = 0.71 g |
| Site Class | D | D |
| Spectral Response Coefficients (Maximum) | S _w = 2.49 g | S _w = 0.67 g |
| Wind Design Data | Value | Value |
| Design Wind Speed (3-sec gust), V ₁₀₀ | 100 mph | 94 mph |
| Exposure Category | C | C |

TABLE B - STRUCTURAL DESIGN VALUES

All values reported are unfactored and strength level, unless noted otherwise

| Gravity Design Data | Value |
|--|---|
| Dead Loads: | |
| Sign Dead Load | PER SCHEDULE |
| Snow Loads: | |
| Ground Snow Load, P _s (Maximum) | 30 psf |
| Deflection Criteria: | |
| Sign, Wind Load | H/240 |
| Wind Design Data | Value |
| Design Wind Speed (3-sec gust), V ₁₀₀ | 100 mph |
| Design Wind Speed (3-sec gust), V ₆₀ | 77 mph |
| Risk Category | II |
| Exposure Category | C |
| Applicable Internal Pressure Coefficient | +0.18 |
| Design Wind Pressure(s) for Components & Cladding (Not specifically designed by the Registered Design Professional, and to be modified by applicable factors per ASCE 7) | q = 21.8 psf K _z VARIABLES |
| Earthquake Design Data | Value |
| Risk Category | II |
| Importance Factor, I _e | 1.0 |
| Mapped Spectral Response Accelerations (Maximum) | S _w = 3.73 g S _w = 1.0 g |
| Site Class | A through E |
| Spectral Response Coefficients (Maximum) | S _w = 2.49 g S _w = 1.0 g |
| Seismic Design Category | E |
| Analysis Procedure Used | Equivalent Lateral Force Procedure (ASCE 7, 12.8) |
| Basic Seismic-Force Resisting System | Non-Building Structure, ASCE 7-16 Chapter 15 |
| Response Modification Factor, Signs and Billboards Table 15.4-2 | R = 3.0 |
| Seismic Response Coefficient | C = 0.83 |
| Design Base Shear | V = C _s W _p |
| Flood Design | Value |
| When the scoreboard is located in a flood zone other than Zone X, a letter stamped and signed from a Geotechnical Engineer is needed to validate allowable soil values specified in the PC are still applicable. | |
| Geotechnical Design Data | Value |
| Geotechnical Design Based on: 2022 California Building Code, Chapter 18A, Table 1806.A.2 (Class 5 Material) | |
| Allowable Soil Bearing Pressure (DL + LL) | 1,500 psf |
| Design Passive Pressure, P _s (Tabular value has been increased per CBC Section 1806A.3.4 for pier design) | 100 pcf |
| Design Skin Friction, f _s | 100 psf |

TABLE A - SCOREBOARD ASSEMBLY WORKSHEET (1)

| Nevco Part No. or Description | Part Height [ft.] | Part Width [ft.] | Part Weight [lb] |
|---|-------------------|------------------|------------------|
| 1609-W | 6 | 16 | 290 |
| ADO-16-2 | 2 | 16 | 70 |
| Total | | | |
| TOTAL ASSEMBLY DIMENSIONS & WEIGHT (2) | | | |
| Total Assembly Height = | 8 | ft. | 0 |
| Total Assembly Width = | 16 | ft. | 0 |
| Total Assembly Weight = | 360 | lbs. | |
| Distance from Finish Grade to Bottom of Sign = | 10 | ft. | 0 |
| Total Height = Total Assembly Height + Distance from Finish Grade to Bottom of Sign = | 18 | ft. | 0 |
| SCOREBOARD ASSEMBLY FOOTNOTES | | | |
| 1. Verify part number, dimensions, and weight with Nevco | | | |
| 2. See Step 3 of Scoreboard Assembly Worksheet Instructions | | | |

TABLE D - SITE FLOOD ZONE

THIS SECTION NOT REQUIRED IF SITE IS IN FLOOD ZONE X

Geotechnical Engineer:

Letter Dated:

COVER SHEET

DATE: 08.09.2023

DRAWN: JMK

CHECKED: MEP

SSG JOB #: S23109

SHEET: SB0.1

STRUCTURAL NOTES

GENERAL NOTES

- The following notes, typical details and schedules shall apply to all phases of this project unless otherwise shown or noted.
- Specific notes and details shall take precedence over general notes and typical details.
- All materials and workmanship shall conform to the minimum standards of the 2022 edition Title 24 of the California Building Code (CBC) and such other regulating agencies exercising authority over any portion of the work. The contractor shall have a current copy of the CBC on the job site.
- The "Contract or Construction Documents" shall consist of these notes, details, schedules, plans, and drawings.
- All specifications, including but not limited to materials and products, shall be those put forth in the "Contract or Construction Documents". No substitutions shall be permitted to be used or assumed to be used in the bidding or construction process without written approval by the Structural Engineer of Record.
- The contractor shall examine the "Contract or Construction Documents" and shall notify the Architect or Structural Engineer of Record of any discrepancies he may find before proceeding with the work.
- All information on existing conditions shown on drawings are based on best present knowledge available, but without guarantee of accuracy. The Contractor shall verify and be responsible for all dimensions and conditions at the site and shall notify the Architect or Structural Engineer of Record of any discrepancies between actual site conditions and information shown on or in the "Contract or Construction Documents" before proceeding with work.
- The Contractor shall immediately notify the Architect or Structural Engineer of Record of any condition which in his opinion might endanger the stability of the structure or cause distress of the structure.
- All work shall conform to the best practice prevailing in the various trades comprising work. The Contractor shall be responsible for coordinating the work of all trades.
- These "Contract or Construction Documents" represent the finished structure, and do not indicate the method of construction. The Contractor shall supervise and direct the work and shall be solely responsible for construction means, methods, techniques, sequences and procedures.
- Inspection and approval for fabricator's shops used for fabrication of structural load bearing members, components, materials or assemblies shall conform to CBC Section 1704A.2.5.
 - Labeling (as required or specified) shall be provided in accordance with CBC Section 1703A.5.
 - Evaluation and follow-up inspection services (as required or specified), shall conform to CBC Section 1703A.6.
- The Contractor shall provide temporary bracing and shoring for all structural members as required for structural stability of the structure during all phases of construction.
- The Contractor shall take all steps necessary to ensure proper alignment of the structure after the installation of all structural and finish materials. This shall include any necessary preloading of the structure to determine final position of the completed work.
- Observation visits to the project site by field representatives of Architect and/or Structural Engineer of Record (support services) shall not include inspections of safety or protective measures, nor construction procedures, techniques or methods. Any support services performed by Architect or Structural Engineer of Record during any phase of construction, shall be distinguished from continuous and detailed inspection services (as required by any regulating governmental agency, e.g. the Authority Having Jurisdiction) provided by others. These support services, whether of material or work, are performed solely for the purpose of assisting in quality control and in achieving conformance with contract documents, but do not guarantee Contractor's performance and shall not be construed as supervision of construction.
- These notes, details, drawings and specifications (Contract or Construction Documents) do not carry necessary provisions for construction safety. These documents and all phases of construction hereby contemplated are to be governed, at all times, by applicable provisions of the current California Occupational Safety and Health Act.
- Where any conflict occurs between the requirements of federal, state and local laws, codes, ordinances, rules and regulations, the most stringent shall govern.
- Written dimensions shall have precedence over scaled dimensions.
- Drawings (notes, schedules, details and plans) shall have precedence over Structural Calculations.
- In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.
- ASTM designation and all standards refer to the latest amendments.
- These structural "Contract or Construction Documents" shall not be modified without prior written approval of the Structural Engineer of Record.
- Only structural working drawings approved by the Division of the State Architect are permitted to be used for construction on this project. All other drawings or documents are obsolete and are not permitted on the job site, nor shall they be used for any construction purposes. Contractors using unapproved drawings or documents are solely responsible for all work not in accordance with the "approved" drawings.
- A Division of the State Architect certified project inspector employed by the District (Owner) and approved by the Division of the State Architect shall provide continuous inspection of the work. The duties of the inspector are defined in Section 4-342, Part 1, Title 24 California Code of Regulations.

FOUNDATION NOTES

- Basils: See Structural Design Values Chart, Sheet SBO.1 Table B
- Unexpected soil conditions: Allowable values and foundation design are based upon the minimum values provided in Table 1806A.2 of the 2022 California Building Code. See SBO.1 for values
- Excavate to required depths and dimensions (as indicated in drawings), cut square and smooth with firm level bottoms. Care shall be taken not to over-excavate foundation at lower elevation and prevent disturbing of soils around higher elevation.
- Footings shall be poured in neat excavations, without side forms whenever possible.
- Carry all foundations to required depths into compacted fill or natural soil (as per Structural Plans and Details).
- All foundation excavations shall be inspected and approved by the Inspector of Record or Geotechnical Engineer prior to forming and placement of reinforcing or concrete.
- Foundations shall not be poured until all required reinforcing steel, sleeves, inserts, conduits, pipes, etc. and formwork is properly placed and inspected by the Authority having Jurisdiction.
- The sides and bottoms of excavations which are to have concrete contact must be moistened several times just prior to pouring upon them.
- De-water footings, as required, to maintain dry working conditions.

REINFORCING STEEL

- All reinforcing steel shall be deformed intermediate grade bars conforming to ASTM A615, Grade 60 (f_y = 60 ksi) unless noted otherwise.
- Reinforcing steel shall not be welded, unless specifically noted otherwise.
- To hold reinforcing bars in their true position and prevent displacement, standard tie and anchorage devices must be provided. Placing of reinforcement shall conform to ACI 318-19 Section 26.6.2.
- Shop drawings for fabrication of any reinforcing steel shall be approved by Contractor and submitted to Project Specific Architect or Project Specific Structural Engineer of Record, for their review, prior to fabrication.
- Refer to typical details for minimum splice length and minimum radius of bend of reinforcing steel.
- All reinforcing steel splices shall be staggered 24", unless specifically noted or detailed otherwise.
- All reinforcing bar bends shall be made cold.
- Fabrication, erection and placement of reinforcing steel shall conform to Concrete Reinforcing Steel Institute of Standard Practice.
- Reinforcing steel shall be clean of rust, grease or other material likely to impair bond.

CONCRETE

- All concrete shall have a minimum ultimate compressive strength (f_c) as outlined below at 28 days. All concrete shall be regular weight (unless specifically noted otherwise).
 - Concrete for footings: 4,500 psi w/c = 0.45 max.
- Maximum Fly Ash content shall be 15%, by weight, of total cementitious materials and shall conform to ASTM C618.
- All concrete work shall comply with CBC Chapter 19A and ACI 318-19 and latest edition of ACI Manual of Concrete Practice.
- Special Inspection (as required or specified) shall conform to CBC Chapter 17A.
- Cement shall be portland cement Type V and shall conform to ASTM C150.

- Aggregates shall conform to ASTM C33, provide aggregates from a single source.
- Water shall conform to ASTM C94 and be potable.
- Where not specifically detailed, the minimum concrete cover on reinforcing steel shall be:
 - Concrete cast against and permanently exposed to earth or weather: 3"
- All reinforcing steel, anchor bolts, dowels, inserts and any other hardware to be set in concrete shall be well secured in position prior to pouring of concrete.
- Vibrate all concrete as it is placed, with a mechanical vibrator operated by experienced personnel. The vibrator shall be used to consolidate the concrete, not transport it. Reinforcing and forms shall not be vibrated.
- Formwork design and removal shall conform to ACI 318-19 Section 26.11. Remove forms in accordance with the following minimum schedule:
 - Side forms of footings: Minimum 48 hours
 - Column and pier forms: 72 hours & 70% of design strength
- Concrete shall not free fall more than six feet. Use tremie, pump or other approved methods.
- Concrete shall be maintained in a moist condition for a minimum of 5 days after placement.
- The Contractor may use concrete admixtures as a construction means and methods to execute "Contract or Construction Documents". Use of admixture is solely the responsibility of the Contractor.
- Mix designs shall be prepared by an approved testing laboratory, signed by a licensed engineer and shall be submitted to the Project Specific Design Professional of Record for approval. SSG is not responsible for review or approval of site specific concrete mix design.
- Only one grade of concrete shall be allowed on project site at any one time
- Concrete strength shall be verified by standard cylinder tests (in accordance with CBC Section 1905A.1.10) made by an approved testing laboratory.
- Concrete placed during hot weather shall conform to ACI 318-19 Section 26.5.5, and ACI 308R-14.
- Conduits and sleeves placed within structural concrete shall not be tied directly to structural reinforcement.
 - 1" concrete cover shall be maintained around all reinforcement.
- No stakes shall be permitted within the footing section.
- Concrete shall reach minimum 75% design strength or cure for 3 days minimum prior to installation of steel columns and scoreboard components.

DRILLED CAISSON/PIER AND GRADE BEAM NOTES

- Excavations for drilled caissons/pier shall be performed in compliance with local grading codes and ordinances as well as CBC Chapters 18A and 33A.
- Provide Special Inspection in accordance with CBC Section 1705A.8 and Table 1705A.8.
- Excavations for all drilled caissons/piers shall be approved by the Project Geotechnical Engineer or Project Special Inspector prior to placing of concrete.
- Reinforcement for drilled caissons/pier shall be approved by the Structural Engineer of Record prior to placing in caisson/pier excavation.
- De-water caisson/pier footings and building excavation as required to maintain dry working conditions.
- Caisson/piers are to be poured within 24 hours after completion of drilling operation. Shoring requirements shall be determined by contractor. Contractor shall provide fall protection and safety barriers at and near the drilled hole as required by OSHA and the Authority Having Jurisdiction.
- The Contractor shall be responsible for all shoring, bracing, etc. necessary to support cut and/or fill banks, and existing structures during excavation, and the forming and placement of concrete.
- Bottom of caissons/piers shall be thoroughly cleaned prior to placement of concrete.

STRUCTURAL STEEL AND WELDING

- All structural steel construction shall conform to AISC 360-16 and AISC 341-16.
 - Fabrication of all structural steel shall be done in the shop of an approved fabricator. Inspection and approval for fabricator's shops used for fabrication of structural load bearing members, components, materials or assemblies shall conform to CBC Section 1704A.2.5.
- All structural steel shall conform to the following specifications:
 - Angles, channels, plates, bars, rounds, and other miscellaneous shapes: Shall conform to ASTM A36 and shall have a minimum yield stress (F_y) of 36 ksi.
 - Wide-flange shapes: Shall conform to ASTM A992 and shall have a minimum yield stress (F_y) of 50 ksi.
 - Structural tubes: Shall be ASTM A500, Grade C, and shall have a min. yield stress (F_y) of 50ksi.
- All structural steel fasteners shall conform to the following specifications:
 - Bolts shall conform to ASTM A307
 - Anchor Bolts shall conform to ASTM F1554, Grade as noted in drawings
 - Carbon steel nuts shall conform to ASTM A563
 - Stainless steel nuts shall conform to ASTM F594
 - Washers shall conform to ASTM F436
- Special Inspection shall be provided for all structural steel and welding, in accordance with CBC Chapter 17A.
- All structural steel shall be fabricated, erected and welded in accordance with AISC Specifications for Structural Steel Buildings (AISC 360-16) and Code of Standard Practice for Steel Buildings and Bridges (AISC 303-16).
- All welding shall be done by qualified and certified welders.
- Shop drawings for the fabrication of any structural steel shall be approved by the Contractor and submitted to Project Specific Architect or Project Specific Structural Engineer of Record for their review, prior to fabrication.
- No holes other than those specifically detailed shall be allowed through structural steel members. Burning of holes is not permitted.
- All welding shall conform to "AWS D1.1" specifications for welding. (E-70XX Electrodes).
- Where fillet weld size is not indicated, use "AWS" minimum size based on the thickness of the thinner part being welded, as specified in AISC Specifications for Structural Steel Buildings (AISC 360-10), Section J2.2.
- All butt welds to be complete joint penetration, unless specifically noted otherwise.
- Welder qualification requirements, welding procedure and welding electrodes for all structural steel (except structural sheet steel, see steel decking) shall conform to CBC Sections 1705A.2.1 and 2204A.1.
- Provide 3" minimum concrete cover around all structural steel below grade.
- Structural steel embedded into concrete shall be uncoated.
- Structural steel shall be hot-dip galvanized (minimum ASTM A123 or A153 Class D) or painted with zinc-rich primer, undercoat, and finish coat; or equivalent paint system.
- All exposed steel fasteners, including cast-in-place anchor bolts/rods, shall be stainless steel (Type 304 minimum), hot-dip galvanized (ASTM A153, Class D minimum or ASTM F2239), or protected with corrosion preventive coating that demonstrated no more than 2% of red rust in minimum 1,000 hours of exposure in salt spray test per ASTM B117. Zinc plated fasteners do not comply with this requirement.

ABBREVIATIONS

| | | | |
|---------|---|--------|-------------------------------|
| A.B. | Anchor Bolt | HORIZ. | Horizontal |
| ABV. | Above | HSS | Hollow Steel Section |
| ACI | American Concrete Institute | HT. | Height |
| ADJ. | Adjacent | ICC | International Building Code |
| AHJ | Division of the State Architect | ICC | International Code Council |
| ASC | American Institute of Steel Construction | ID | Inside Diameter |
| AOR | Architect of Record | IN. | Inch, Inches |
| APPROX. | Approximately | INT. | Interior |
| ASCE | American Society of Civil Engineers | ksi | Kips per Square Inch |
| ARCH. | Architect, Architecture | LL | Live Load |
| ASTM | American Society of Testing and Materials | MAX. | Maximum |
| ATR | All Thread Rod | MB | Machine Bolt |
| AWS | American Welding Society | MFR. | Manufactured, Manufacturer |
| B.O. | Bottom of _____ | MIN. | Minimum |
| BOT. | Bottom | MPH | Miles per Hour |
| b/t | Between | N/R | Not Required |
| CAC | California Administrative Code | N.T.S. | Not to Scale |
| CBC | California Building Code | o.c. | On Center |
| CIP | Cast-in-place | o/v | Over |
| CJP | Complete Joint Penetration | OD | Outside Diameter |
| CL | Centerline | PEN. | Penetration |
| CLR. | Clear | PL | Plate |
| COL. | Column | PIP | Partial Joint Penetration |
| CONC. | Concrete | psf | Pounds per Square Foot |
| CONJ. | Connection | PSF | Pounds per Square Inch |
| CONST. | Construction | REBAR | Reinforcing Bar |
| CONT. | Continue, Continuous | REINF. | Reinforcement |
| Ø | Diameter | REQD | Required |
| DBL. | Double | S.F. | Square Feet |
| DET. | Detail | SHT. | Sheet |
| DL | Dead Load | SIM. | Similar |
| DSA | Division of State Architect | SMS | Sheet Metal Screw |
| DWGS. | Drawings | SQ. | Square |
| EA | Each | STAGCD | Staggered |
| E.F. | Each Face | STD. | Standard |
| ELEC. | Electric, Electrical | STL | Steel |
| ELEV. | Elevation | SEOR | Structural Engineer of Record |
| EMBED. | Embedded, Embedment | T.O. | Top of _____ |
| EOR | Engineer of Record | T&B | Top and bottom |
| EJ | Equal | THRD | Threaded |
| EQUIP. | Equipment | TYP. | Typical |
| E.S. | Each Side | U.N.O. | Unless Noted Otherwise |
| E.W. | Each Way | VERT. | Vertical |
| EXT. | Exterior | VIF | Verify in Field |
| FAB. | Fabricated | w/ | With |
| FDN. | Foundation | w/c | Water/Cement Ratio |
| F.G. | Finish Grade | WSS | Welded Steel Stud |
| F.O. | Face of _____ | WT. | Weight |
| FRMG. | Framing | | |
| FT. | Foot/Foot | | |
| FTC. | Footing | | |
| GA. | Gauge | | |
| GALV. | Galvanized | | |
| GEOR. | Geotechnical Engineer of Record | | |

POST INSTALLED ANCHOR & TESTING

- All post-installed anchors are to be tension tested with the exception that torque testing is allowed if the anchors are specifically designed as torque controlled

- Test quantity of post-installed anchors as noted below:

| Application | Quantity |
|--|----------|
| Non-structural (Equipment Anchorage, etc.) | 50% |
| Structural | 100% |

- Apply proof test loads to anchors without removing the nut if possible. If not, remove nut and install a threaded coupler to the same tightness of the original nut using a torque wrench and apply load.
- All tests shall be performed in the presence of the inspector.
- Reaction loads from test fixtures may be applied close to the anchor being tested, provided the anchor is not restrained from withdrawing or restricted from a concrete shear cone type failure mechanism.
- Test equipment is to be calibrated by an approved testing laboratory in accordance with standard recognized procedures.
- The following criteria apply for the acceptance of installed anchors:
 - 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 discernible movement during the tension test, e.g. as evidenced by loosening of the washer under the nut.
 - Torque wrench method: anchors tested with a calibrated torque wrench must attain the manufacturer recommended torque within 1/2 turn of the nut.
 - Wedge or sleeve type: one-quarter turn of the nut from 3/8" sleeve anchor only.
 - Threaded type: one-quarter turn of the screw after initial seating of the screw head.
- If any anchor fails testing, test all anchors of the same type not previously tested until twenty consecutive anchors pass, then resume the initial test frequency. If the anchors are used for the support and bracing of non-structural components (pipe, duct or conduit), the twenty shall be only those anchors installed by the same trade.
- Test loads per ICC ESR, IAPMO, OR UES report
- When installing drilled-in anchors and/or powder driven pins in existing non-prestressed reinforced concrete, use care and caution to avoid cutting or damaging the existing reinforcing bars. When installing them into existing prestressed concrete (pre- or post-tensioned) locate the prestressed tendons by using a non-destructive method prior to installation. Exercise extreme care and caution to avoid cutting or damaging the tendons during installation. Maintain a minimum clearance of one inch between the reinforcement and the drilled-in anchor and/or pin.

ANCHOR TORQUE TEST VALUES

| Anchor Diameter | CONCRETE | | MASONRY | |
|-----------------|---------------|-----------------------|---------------|-----------------------|
| | HILTI KB TZ 2 | SIMPSON STRONG BOLT Z | HILTI KB TZ 2 | SIMPSON STRONG BOLT Z |
| | ESR-4266 | ESR-3037 | ESR-4561 | ER-240 |
| 3/8" | 30 ft-lb | 30 ft-lb | 15 ft-lb | 20 ft-lb |
| 1/2" | 50 ft-lb | 60 ft-lb | 25 ft-lb | 35 ft-lb |
| 5/8" | 40 ft-lb | 90 ft-lb | 30 ft-lb | 55 ft-lb |
| 3/4" | 110 ft-lb | 150 ft-lb | 50 ft-lb | 100 ft-lb |

If the manufacturer's recommended installation torque is less than the test torque noted in the table, the manufacturer's recommended installation torque should be used in lieu of the tabulated values.

See manufacturer's ESR report for Maximum Impact Wrench Torque Rating.

APPLICATION#
02-122089

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-122089 INC:

REVIEWED FOR
SS FLS ACS

DATE: 4/3/2024



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DIV. OF THE STATE ARCHITECT

APP: 04-122377 PC

REVIEWED FOR

SS FLS ACS CG

DATE: 09/20/2022

DSA STAMP

PRE-CHECK (PC) DOCUMENT

CODE: 2022

A separate project application for construction is required.



STRUCTURAL
NOTES &
SPECIAL
INSPECTIONS

SHEET INFORMATION

DATE 08.09.2023

DRAWN JMK

CHECKED MEP

SSG JOB # S23109

SHEET **SBO.2**

ONE COLUMN ASSEMBLY - CASE 1

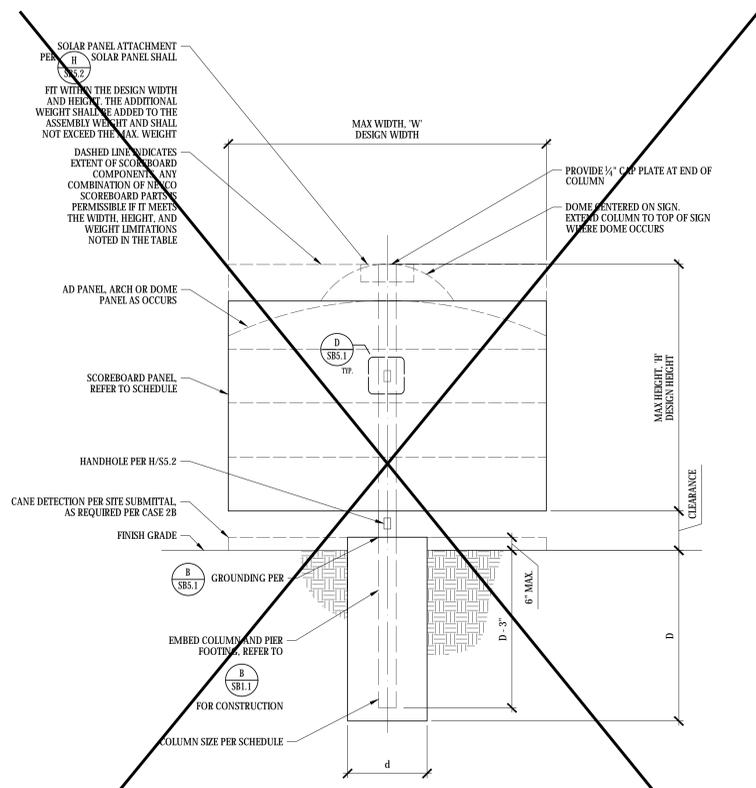
| ASSEMBLY CRITERIA | | | PIER FOOTING CRITERIA | | | | | |
|-------------------|-------------------------------|-------------|-----------------------|-----------------------|------------------|----------|--------------|---------------|
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SIZE | PIER DIAMETER, d | DEPTH, D | LONG. REINF. | TRANS. REINF. |
| 8'-0" | | 570 lbs. | ≤ 4'-0" | HSS8x8x $\frac{5}{8}$ | 30"Ø | 6'-6" | N/R | N/R |
| 10'-0" | | 1,535 lbs. | ≤ 8'-0" | HSS8x8x $\frac{5}{8}$ | 30"Ø | 9'-0" | N/R | N/R |

NOTES:
1. N/R - REINFORCEMENT NOT REQUIRED PER DSA BU 09-06

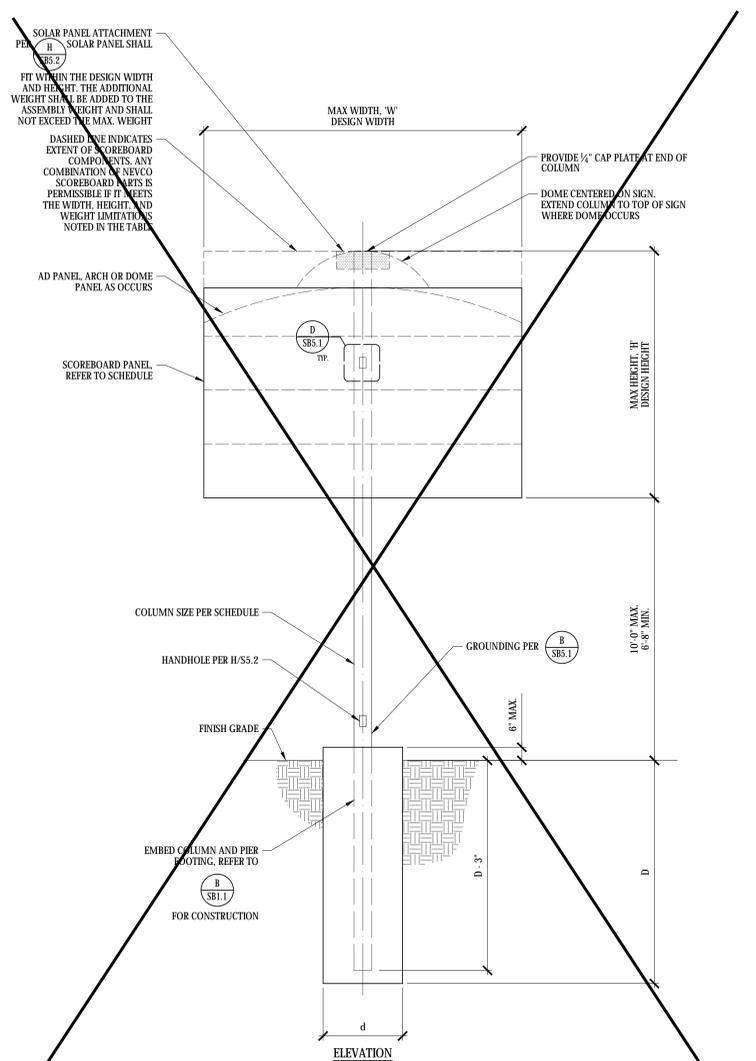
ONE COLUMN ASSEMBLY - CASE 2A⁽²⁾ AND CASE 2B⁽²⁾⁽³⁾

| ASSEMBLY CRITERIA | | | PIER FOOTING CRITERIA | | | | | |
|-------------------|-------------------------------|-------------|-----------------------|-----------------------|------------------|----------|--------------|---------------|
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SIZE | PIER DIAMETER, d | DEPTH, D | LONG. REINF. | TRANS. REINF. |
| 8'-0" | | 570 lbs. | ≤ 4'-0" | HSS8x8x $\frac{5}{8}$ | 30"Ø | 5'-3" | N/R | N/R |
| 10'-0" | | 1,535 lbs. | ≤ 8'-0" | HSS8x8x $\frac{5}{8}$ | 30"Ø | 6'-6" | N/R | N/R |

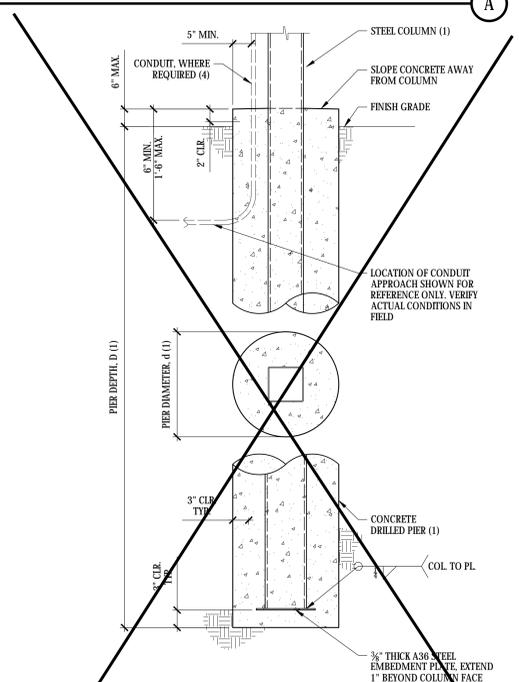
NOTES:
1. N/R - REINFORCEMENT NOT REQUIRED PER DSA BU 09-06
2. CASE 2A AND 2B MAY NOT BE INSTALLED IN CIRCULATION PATH. DESIGN PROFESSIONAL OF RECORD SHALL INDICATE ON SITE PLAN.
3. CANE DETECTION DESIGN SHALL BE PROVIDED AS PART OF SITE SUBMITTAL PACKAGE BY DESIGN PROFESSIONAL OF RECORD



CASE 2A: MARQUEE NEAR FINISH GRADE, CLEARANCE < 2'-3"
CASE 2B: MARQUEE NEAR FINISH GRADE, 2'-3" < CLEARANCE < 6'-8"



CASE 1: MARQUEE EXTENDED ABOVE FINISH GRADE



CONCRETE DRILLED PIER

ONE COLUMN MARQUEE/SCOREBOARD INSTALLATION

N.T.S.

APPLICATION# 02-122089
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122089 INC:
REVIEWED FOR
SS FLS ACS
DATE: 4/3/2024

SSG
structural engineers
REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. FAY
No. 5485
STATE OF CALIFORNIA
DATE SIGNED: 08.09.2023
PC SEOR REAL

NEVCO
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APP: 04-122089 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2023

PRE-CHECK (PC) DOCUMENT
CODE: 2022
A separate project application for construction is required.

REGISTERED PROFESSIONAL ENGINEER
CALYD R. RAYNER
No. 52386
EXPIRES 03-31-2025
STATE OF CALIFORNIA

MARQUEE CAISSON - EMBEDDED

SHEET INFORMATION
DATE: 08.09.2023
DRAWN: JMK
CHECKED: MEP
SSG JOB #: S23109
SHEET: **SB1.1**



DATE: 08.09.2023
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 THANK YOU FOR YOUR INTEREST IN NEVCO SCOREBOARD PRODUCTS



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 APP: 04-122089 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2023

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 CODE: 2022

A separate project application for construction is required.



MARQUEE
 CAISSON -
 BOLTED

SHEET INFORMATION
 DATE: 08.09.2023
 DRAWN: JMK
 CHECKED: MEP
 SSG JOB #: S23109
 SHEET: SB1.2

ONE COLUMN ASSEMBLY - CASE 1

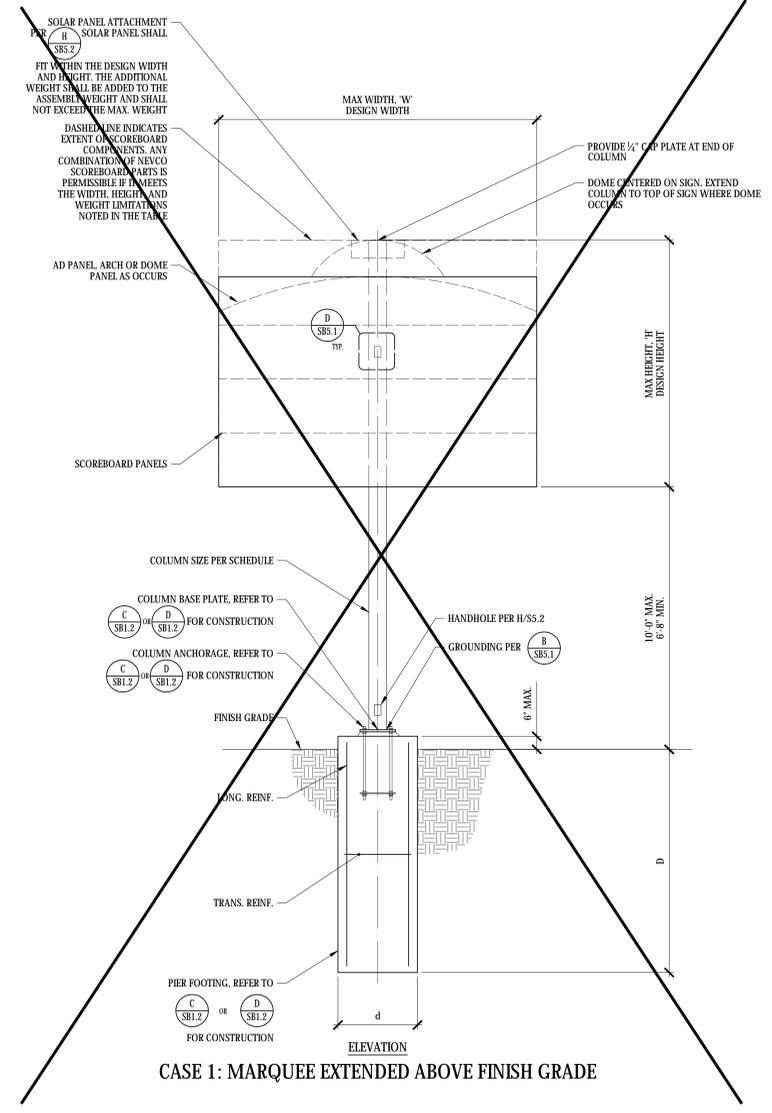
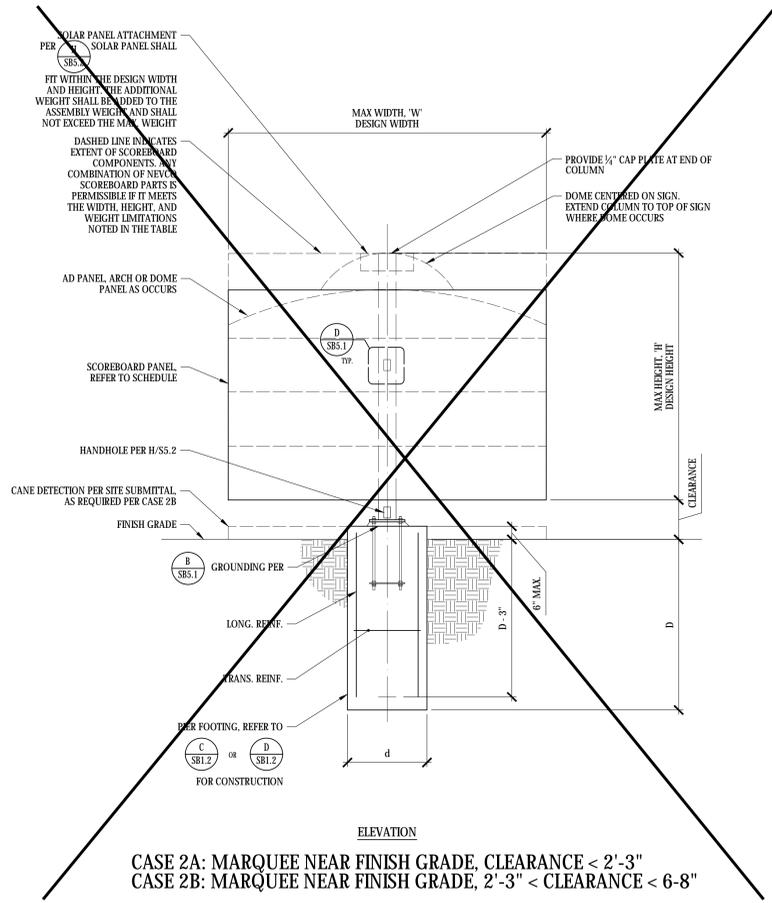
| ASSEMBLY CRITERIA | | | PIER FOOTING CRITERIA (2) | | | | | |
|-------------------|-------------------------------|-------------|---------------------------|-----------------------|-------------------|----------|--------------|-----------------------------|
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SIZE | PIER DIAMETER, d | DEPTH, D | LONG. REINF. | TRANS. REINF. (1) |
| 8'-0" | | 570 lbs. | ≤ 4'-0" | HSS8x8x $\frac{5}{8}$ | 30" \varnothing | 6'-6" | 8 - #6 | #4 @ 4 $\frac{1}{2}$ " o.c. |
| 10'-0" | | 1,535 lbs. | ≤ 8'-0" | HSS8x8x $\frac{5}{8}$ | 30" \varnothing | 9'-0" | 8 - #6 | #4 @ 4 $\frac{1}{2}$ " o.c. |

NOTES: (#)
 1. CONTRACTOR OPTION TO PROVIDE TIE OR SPIRAL REINFORCING. SEE C/SB1.2 FOR TIE OPTION, SEE D/SB1.2 FOR SPIRAL OPTION.
 2. CONTRACTOR IS RESPONSIBLE FOR CASING PIERS AND DRILLING SEQUENCING TO PROTECT PIER EXCAVATION

ONE COLUMN ASSEMBLY - CASE 2A(3) AND CASE 2B(3)(4)

| ASSEMBLY CRITERIA | | | PIER FOOTING CRITERIA (2) | | | | | |
|-------------------|-------------------------------|-------------|---------------------------|-----------------------|-------------------|----------|--------------|-----------------------------|
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SIZE | PIER DIAMETER, d | DEPTH, D | LONG. REINF. | TRANS. REINF. (1) |
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NOTES: (#)
 1. CONTRACTOR OPTION TO PROVIDE TIE OR SPIRAL REINFORCING. SEE C/SB1.2 FOR TIE OPTION, SEE D/SB1.2 FOR SPIRAL OPTION.
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 3. CASE 2A AND 2B MAY NOT BE INSTALLED IN CIRCULATION PATH. DESIGN PROFESSIONAL OF RECORD SHALL INDICATE ON SITE PLAN.
 4. CANE DETECTION DESIGN SHALL BE PROVIDED AS PART OF SITE SUBMITTAL PACKAGE BY DESIGN PROFESSIONAL OF RECORD



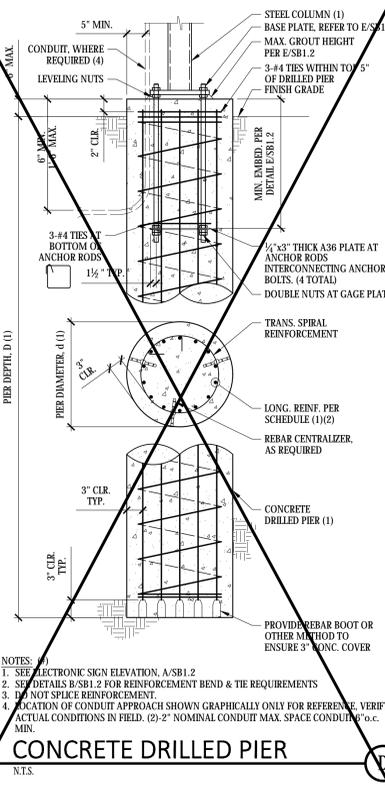
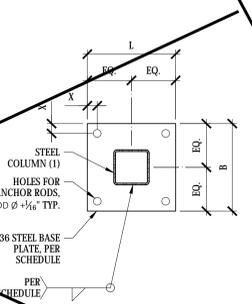
ONE COLUMN MARQUEE/SCOREBOARD INSTALLATION

N.T.S.

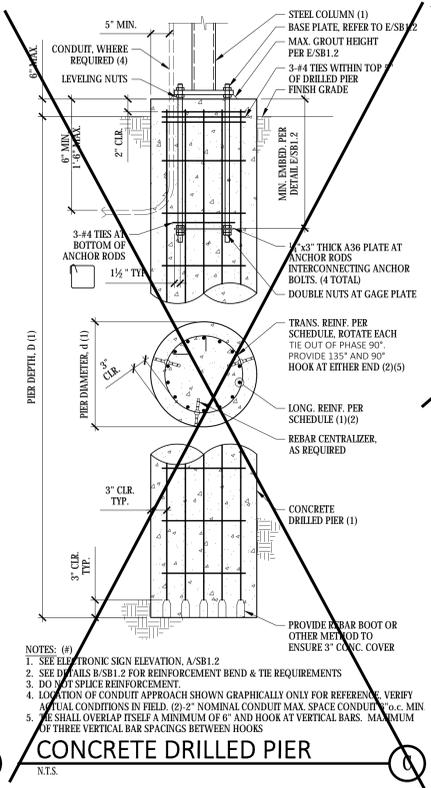
BASE PLATE SCHEDULE

| COLUMN SIZE | BASE PLATE | | | WELD | QUANTITY & DIAMETER | ANCHOR ROD | |
|-----------------------|--------------|----------|-----------|-----------|-----------------------------------|------------|--|
| | THICKNESS, t | WIDTH, B | LENGTH, L | | | DEPTH, X | GROUT HEIGHT |
| HSS8x8x $\frac{5}{8}$ | 1" | 16" | 16" | 3" FILLET | 4-1 $\frac{1}{2}$ " \varnothing | E1554 | 2 $\frac{1}{2}$ " 1 $\frac{1}{2}$ " |

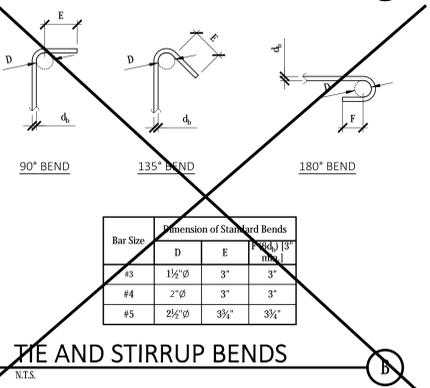
NOTES: (#)
 1. SEE SCOREBOARD ELEVATION, A/SB1.2
BASE PLATE
 N.T.S.



NOTES: (#)
 1. SEE ELECTRONIC SIGN ELEVATION, A/SB1.2
 2. SEE DETAILS B/SB1.2 FOR REINFORCEMENT BEND & TIE REQUIREMENTS
 3. DO NOT SPLICE REINFORCEMENT.
 4. LOCATION OF CONDUIT APPROACH SHOWN GRAPHICALLY ONLY FOR REFERENCE. VERIFY ACTUAL CONDITIONS IN FIELD. (2) 2" NOMINAL CONDUIT MAX. SPACE CONDUIT o.c. MIN.
 5. WE SHALL OVERLAP ITSELF A MINIMUM OF 6" AND HOOK AT VERTICAL BARS. MAXIMUM OF THREE VERTICAL BAR SPACINGS BETWEEN HOOKS



NOTES: (#)
 1. SEE ELECTRONIC SIGN ELEVATION, A/SB1.2
 2. SEE DETAILS B/SB1.2 FOR REINFORCEMENT BEND & TIE REQUIREMENTS
 3. DO NOT SPLICE REINFORCEMENT.
 4. LOCATION OF CONDUIT APPROACH SHOWN GRAPHICALLY ONLY FOR REFERENCE. VERIFY ACTUAL CONDITIONS IN FIELD. (2) 2" NOMINAL CONDUIT MAX. SPACE CONDUIT o.c. MIN.
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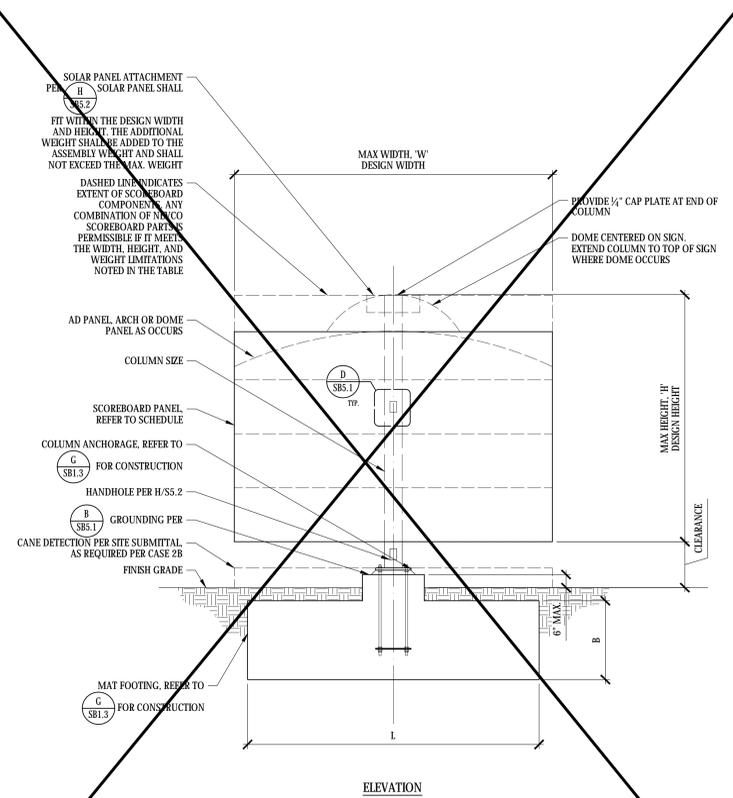
Dimension of Standard Bends

| Bar Size | D | E | MIN. [3" MIN.] |
|----------|---------------------------------|-------------------|-------------------|
| #3 | 1 $\frac{1}{2}$ " \varnothing | 3" | 3" |
| #4 | 2" \varnothing | 3" | 3" |
| #5 | 2 $\frac{1}{2}$ " \varnothing | 3 $\frac{1}{2}$ " | 3 $\frac{1}{2}$ " |

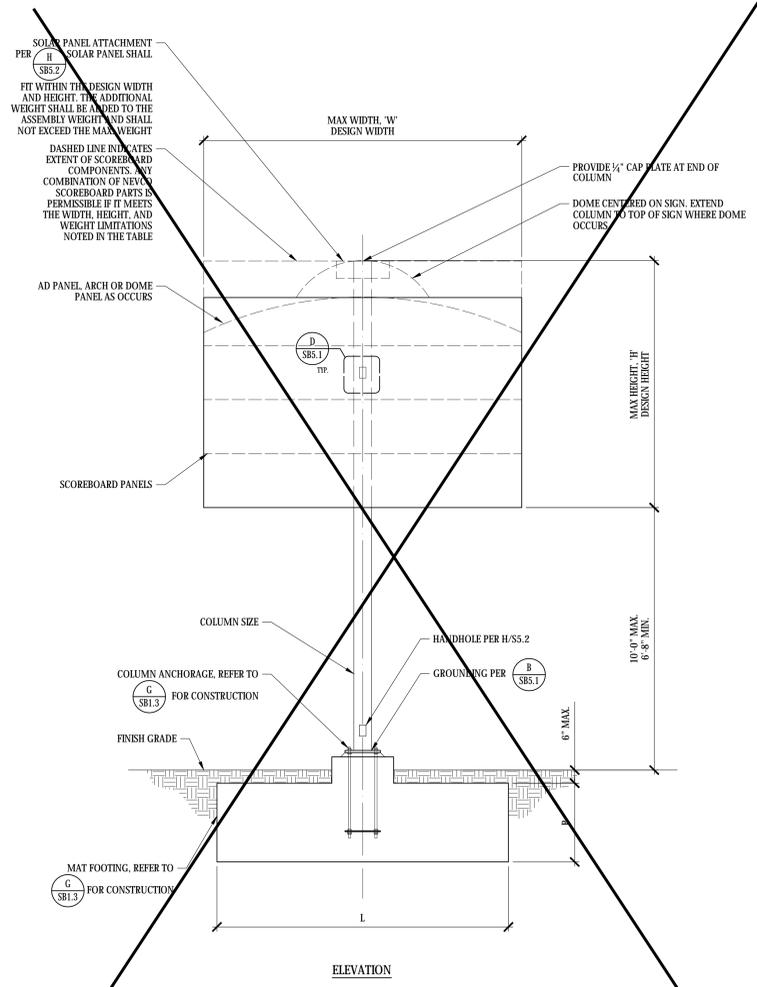
| ONE COLUMN ASSEMBLY - CASE 1 | | | | | | | |
|------------------------------|-------------------------------|-------------|--------------------|----------------------|----------|----------|-----------|
| ASSEMBLY CRITERIA | | | | MAT FOOTING CRITERIA | | | |
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SIZE | WIDTH, A | DEPTH, B | LENGTH, L |
| 8'-0" | | 570 lbs. | ≤ 4'-0" | HSS8x8x6 | 6'-0" | 3'-0" | 5'-0" |
| 10'-0" | | 1,535 lbs. | ≤ 8'-0" | HSS8x8x6 | 7'-0" | 3'-0" | 7'-0" |

| ONE COLUMN ASSEMBLY - CASE 2A ⁽²⁾ AND CASE 2B ⁽²⁾⁽³⁾ | | | | | | | |
|--|-------------------------------|-------------|--------------------|----------------------|----------|----------|-----------|
| ASSEMBLY CRITERIA | | | | MAT FOOTING CRITERIA | | | |
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SIZE | WIDTH, A | DEPTH, B | LENGTH, L |
| 8'-0" | | 570 lbs. | ≤ 4'-0" | HSS8x8x6 | 4'-6" | 2'-6" | 4'-6" |
| 10'-0" | | 1,535 lbs. | ≤ 8'-0" | HSS8x8x6 | 6'-0" | 2'-6" | 6'-0" |

NOTES:
 1. CASE 2 MAY NOT BE INSTALLED IN PATH OF TRAVEL. DESIGN PROFESSIONAL OF RECORD SHALL INDICATE ON SITE PLAN.
 2. CASE 2A AND 2B MAY NOT BE INSTALLED IN CIRCULATION PATH. DESIGN PROFESSIONAL OF RECORD SHALL INDICATE ON SITE PLAN.
 3. CANE DETECTION DESIGN SHALL BE PROVIDED AS PART OF SITE SUBMITTAL PACKAGE BY DESIGN PROFESSIONAL OF RECORD

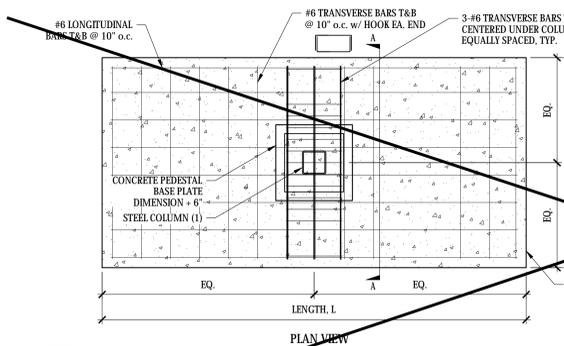


CASE 2A: MARQUEE NEAR FINISH GRADE, CLEARANCE < 2'-3"
 CASE 2B: MARQUEE NEAR FINISH GRADE, 2'-3" < CLEARANCE < 6'-8"



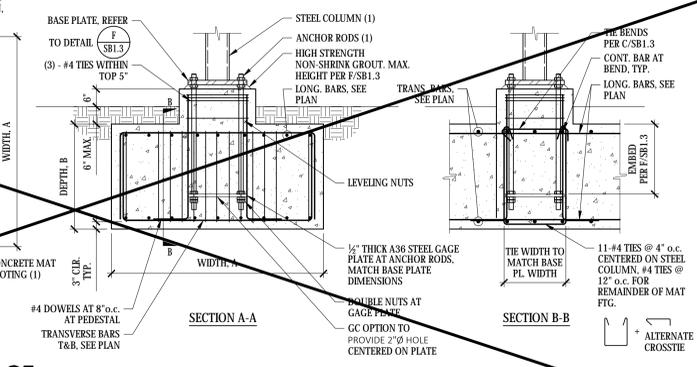
CASE 1: MARQUEE EXTENDED ABOVE FINISH GRADE

ONE COLUMN MARQUEE/SCOREBOARD INSTALLATION



NOTES: (6)
 1. SEE SCOREBOARD ELEVATION A/SB1.3
 2. DO NOT SPLICE REINFORCING

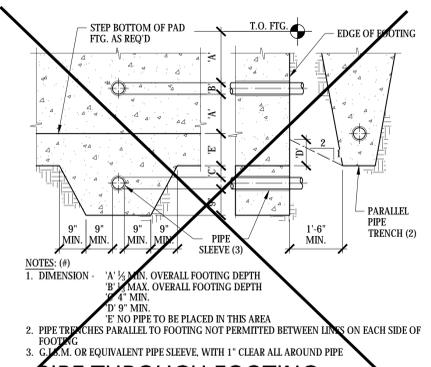
MAT FOOTING CONSTRUCTION AND ANCHORAGE



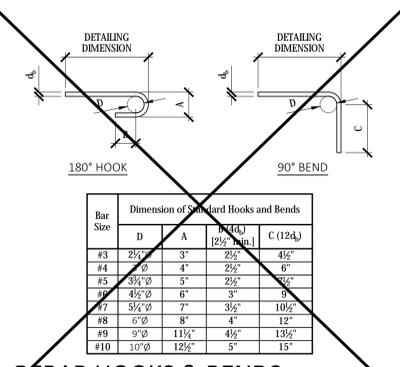
| COLUMN SIZE | BASE PLATE | | | ANCHOR ROD | | | | |
|-------------|--------------|----------|-----------|---------------------|----------|-------|--------------|--------|
| | THICKNESS, t | WIDTH, B | LENGTH, L | QUANTITY & DIAMETER | GRADE | WELD | GROUT HEIGHT | EMBED. |
| HSS8x8x6 | 1" | 16" | 16" | 3/4" RILEY | 4-1/2" Ø | F1554 | 2 1/2" | 1 1/2" |

NOTES: (6)
 1. SEE SCOREBOARD ELEVATION, A/SB1.3

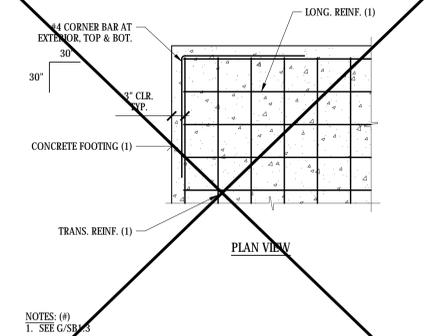
BASE PLATE



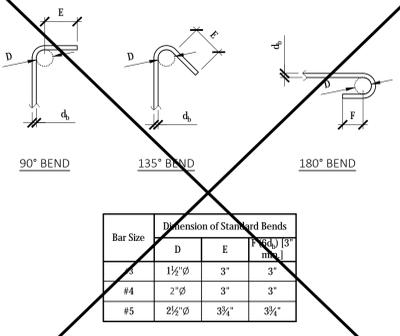
PIPE THROUGH FOOTING



REBAR HOOKS & BENDS



TYP. FOOTING CORNER



TIE AND STIRRUP BENDS

APPLICATION# 02-122089
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122089 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 4/3/2024

SSG
 structural engineers

REGISTERED PROFESSIONAL ENGINEER
 MICHAEL E. PATRICK
 No. 5485
 STRUCTURAL
 STATE OF CALIFORNIA
 EXPIRES 08.09.2023

NEVCO

301 East Harris Avenue, Greenville, Illinois 62246
 Phone: (618) 664-0960
 www.nevco.com

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-122377 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2023

PRE-CHECK (PC) DOCUMENT
 CODE: 2022

A separate project application for construction is required.

REGISTERED PROFESSIONAL ENGINEER
 CALVIN R. RANCO
 No. 52386
 EXPIRES 03-31-2025
 STRUCTURAL
 STATE OF CALIFORNIA

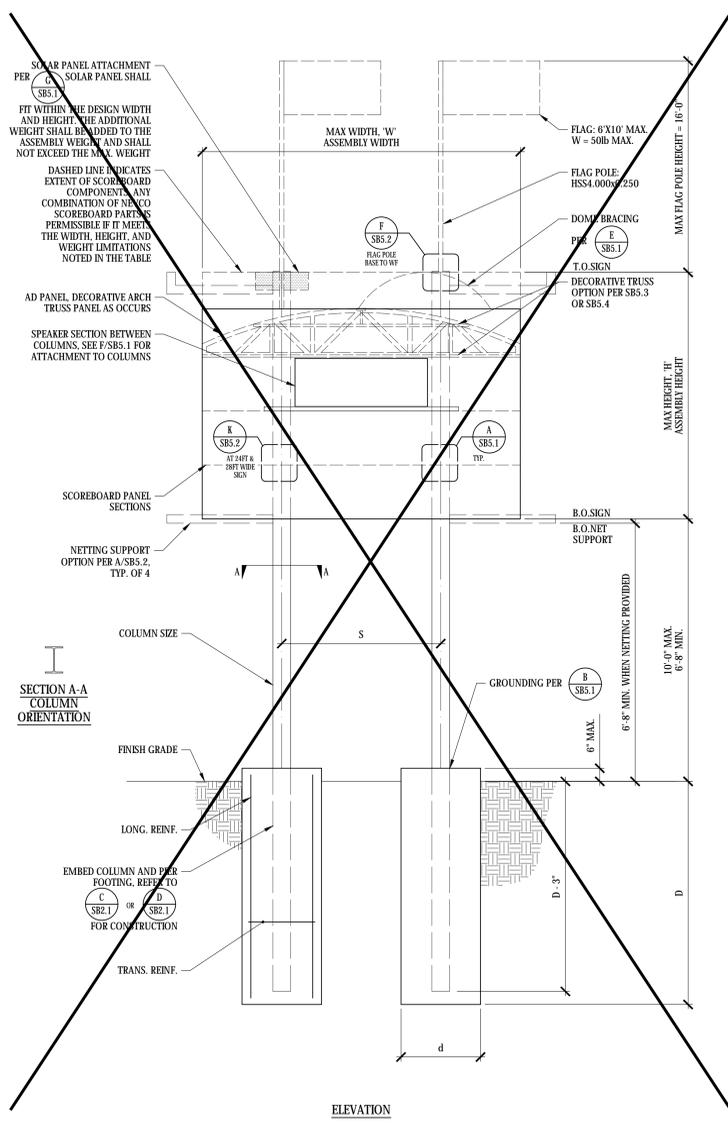
MARQUEE MAT FOOTING

SHEET INFORMATION

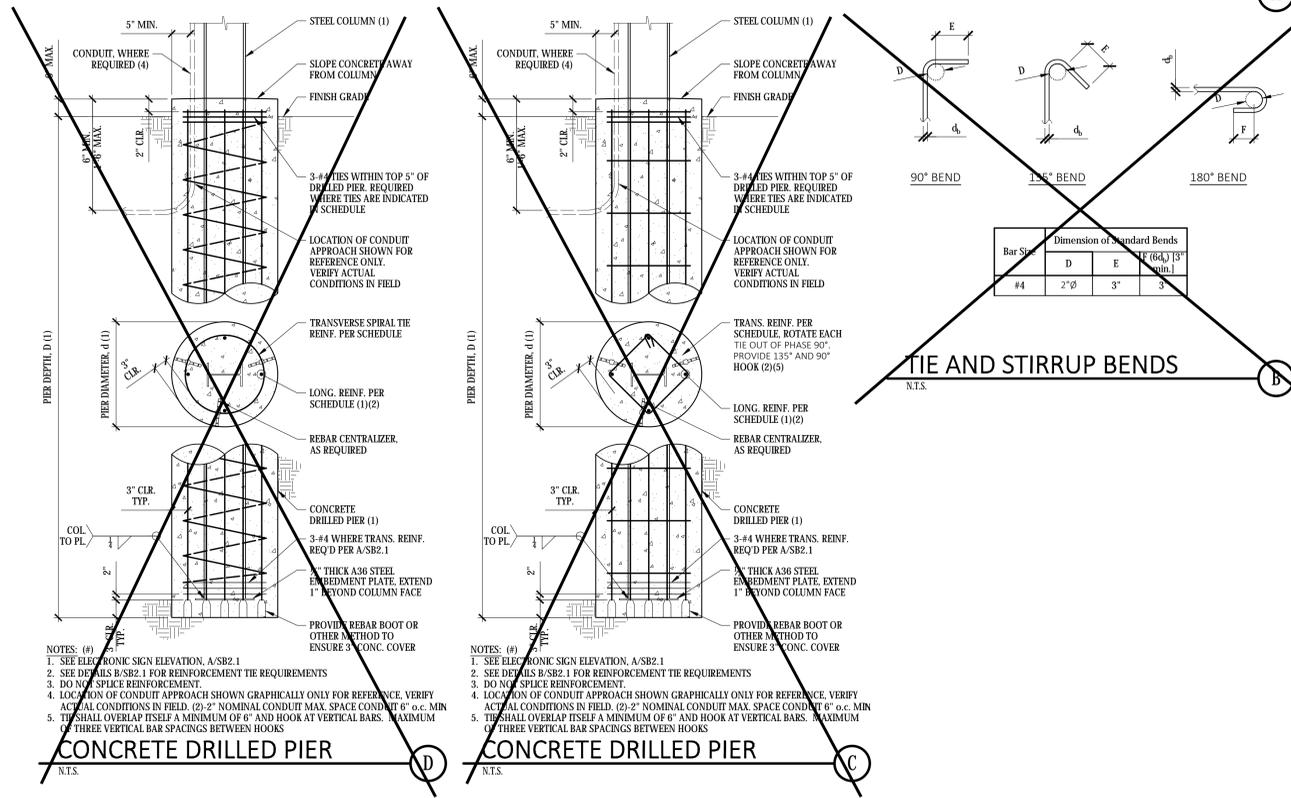
DATE: 08.09.2023
 DRAWN: JMK
 CHECKED: MEP
 SSG JOB #: S23109
 SHEET: SB1.3

| TWO COLUMN ASSEMBLY | | | | | | | | | | |
|---------------------|-------------------------------|-------------------|--------------------|-------------------|-------------|-----------------------|---------------------------|--------------|------------------|-------------------|
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | ASSEMBLY CRITERIA | | | | | PIER FOOTING CRITERIA (3) | | | |
| | | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SPACING, S | COLUMN SIZE | COLUMN SIZE, W/O FLAG | PIER DIAMETER, d | DEPTH, D | LONG. REINF. (#) | TRANS. REINF. (2) |
| 8'-0" | | 770 lbs. | ≤ 8'-0" | 6'-0" | W8x24 | W8x24 | 30"Ø | 7'-6" | N/R | N/R |
| | | 1,160 lbs. | ≤ 12'-0" | 6'-0" | W10x33 | W10x33 | 30"Ø | 8'-9" | N/R | N/R |
| | | 1,540 lbs. | ≤ 16'-0" | 6'-0" | W12x40 | W12x40 | 36"Ø | 9'-0" | N/R | N/R |
| 9'-0" | | 870 lbs. | ≤ 8'-0" | 8'-0" | W8x24 | W8x24 | 30"Ø | 7'-9" | N/R | N/R |
| | | 1,300 lbs. | ≤ 12'-0" | 8'-0" | W10x33 | W10x33 | 30"Ø | 7'-9" | N/R | N/R |
| | | 1,730 lbs. | ≤ 16'-0" | 8'-0" | W12x45 | W12x40 | 36"Ø | 9'-3" | 4-#5 | #4 @ 8" o.c. |
| 10'-0" | | 960 lbs. | ≤ 8'-0" | 8'-0" | W8x24 | W8x24 | 30"Ø | 8'-0" | N/R | N/R |
| | | 1,440 lbs. | ≤ 12'-0" | 8'-0" | W10x33 | W10x33 | 36"Ø | 8'-6" | N/R | N/R |
| | | 1,920 lbs. | ≤ 16'-0" | 8'-0" | W14x48 | W14x48 | 36"Ø | 9'-9" | 4-#5 | #4 @ 8" o.c. |
| 12'-0" | | 2,400 lbs. | ≤ 20'-0" | 8'-0" | W14x61 | W14x61 | 48"Ø | 9'-9" | 4-#5 | #4 @ 8" o.c. |
| | | 1,160 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x33 | 30"Ø | 8'-6" | N/R | N/R |
| | | 1,730 lbs. | ≤ 12'-0" | 8'-0" | W14x43 | W14x43 | 36"Ø | 9'-3" | N/R | N/R |
| 16'-0" | | 2,310 lbs. | ≤ 16'-0" | 8'-0" | W14x61 | W14x61 | 36"Ø | 10'-3" | 4-#5 | #4 @ 8" o.c. |
| | | 2,880 lbs. | ≤ 20'-0" | 8'-0" | W14x61 | W14x61 | 48"Ø | 10'-3" | 4-#5 | #4 @ 8" o.c. |
| | | 1,540 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x33 | 30"Ø | 9'-6" | 4-#5 | #4 @ 8" o.c. |
| 18'-0" | | 2,310 lbs. | ≤ 12'-0" | 8'-0" | W12x45 | W12x40 | 36"Ø | 10'-3" | 4-#5 | #4 @ 8" o.c. |
| | | 3,080 lbs. | ≤ 16'-0" | 8'-0" | W14x61 | W14x61 | 36"Ø | 12'-0" | 4-#5 | #4 @ 8" o.c. |
| | | 3,840 lbs. | ≤ 20'-0" | 8'-0" | W16x77 | W16x77 | 48"Ø | 12'-0" | 4-#6 | #4 @ 8" o.c. |
| 24'-0" | | 1,730 lbs. | ≤ 8'-0" | 10'-0" | W12x35 | W12x35 | 30"Ø | 10'-0" | 4-#5 | #4 @ 8" o.c. |
| | | 2,600 lbs. | ≤ 12'-0" | 10'-0" | W14x43 | W14x43 | 36"Ø | 10'-9" | 4-#5 | #4 @ 8" o.c. |
| | | 3,460 lbs. | ≤ 16'-0" | 10'-0" | W14x61 | W14x61 | 48"Ø | 10'-9" | 4-#6 | #4 @ 8" o.c. |
| 28'-0" | | 4,320 lbs. | ≤ 20'-0" | 10'-0" | W16x77 | W16x77 | 48"Ø | 12'-0" | 4-#6 | #4 @ 8" o.c. |
| | | 2,310 lbs. | ≤ 8'-0" | 14'-0" | W14x43 | W14x43 | 36"Ø | 9'-9" | 4-#5 | #4 @ 8" o.c. |
| | | 3,460 lbs. | ≤ 16'-0" | 14'-0" | W14x61 | W14x61 | 48"Ø | 11'-9" | 4-#5 | #4 @ 8" o.c. |
| 28'-0" | | 4,610 lbs. | ≤ 20'-0" | 14'-0" | W16x87 | W16x87 | 48"Ø | 13'-3" | 4-#6 | #4 @ 8" o.c. |
| | | 5,760 lbs. | ≤ 24'-0" | 14'-0" | W18x86 | W18x86 | 48"Ø | 14'-6" | 4-#8 | #4 @ 8" o.c. |
| | | 6,920 lbs. | ≤ 28'-0" | 14'-0" | W18x130 | W18x119 | 48"Ø | 14'-6" | 4-#8 | #4 @ 8" o.c. |
| 28'-0" | | 8,070 lbs. | ≤ 28'-0" | 14'-0" | W18x158 | W18x143 | 48"Ø | 16'-0" | 4-#8 | #4 @ 6" o.c. |
| | | 2,600 lbs. | ≤ 8'-0" | 14'-0" | W14x43 | W14x43 | 42"Ø | 10'-0" | 4-#6 | #4 @ 6" o.c. |
| | | 4,040 lbs. | ≤ 12'-0" | 14'-0" | W14x61 | W14x61 | 48"Ø | 11'-3" | 4-#6 | #4 @ 6" o.c. |
| 28'-0" | | 5,380 lbs. | ≤ 16'-0" | 14'-0" | W16x77 | W16x67 | 48"Ø | 12'-9" | 4-#6 | #4 @ 6" o.c. |
| | | 6,720 lbs. | ≤ 20'-0" | 14'-0" | W18x97 | W18x97 | 48"Ø | 13'-3" | 4-#8 | #4 @ 6" o.c. |
| | | 8,070 lbs. | ≤ 24'-0" | 14'-0" | W18x143 | W18x143 | 48"Ø | 15'-9" | 4-#8 | #4 @ 6" o.c. |
| 9,410 lbs. | ≤ 28'-0" | 14'-0" | W18x175 | W18x175 | 48"Ø | 17'-0" | 4-#8 | #4 @ 6" o.c. | | |

NOTES: (#)
 1. N/R - REINFORCEMENT NOT REQUIRED PER IBC 1805.6.2
 2. CONTRACTOR OPTION TO PROVIDE TIES OR SPIRAL REINFORCING. SEE C/SB2.1 FOR THE OPTION. SEE D/SB2.1 FOR SPIRAL OPTION.
 3. CONTRACTOR IS RESPONSIBLE FOR CASING PIERS AND DRILLING SEQUENCING TO PROTECT PIER EXCAVATION



TWO COLUMN SCOREBOARD INSTALLATION



NOTES: (#)
 1. SEE ELECTRONIC SIGN ELEVATION, A/SB2.1
 2. SEE DETAILS B/SB2.1 FOR REINFORCEMENT REQUIREMENTS
 3. DO NOT SPLICE REINFORCEMENT.
 4. LOCATION OF CONDUIT APPROACH SHOWN GRAPHICALLY ONLY FOR REFERENCE. VERIFY ACTUAL CONDITIONS IN FIELD. (2) 2" NOMINAL CONDUIT MAX. SPACE CONDUIT 6" o.c. MIN
 5. TIES SHALL OVERLAP ITSELF A MINIMUM OF 6" AND HOOK AT VERTICAL BARS. MAXIMUM OF THREE VERTICAL BAR SPACINGS BETWEEN HOOKS

APPLICATION# 02-122089
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122089 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 4/3/2024



PC SEOR REAL 08.09.2023
 THESE DRAWINGS, NOTES AND DETAILS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF SSG STRUCTURAL ENGINEERS. ALL DRAWINGS INFORMATION, SPECIFICATIONS, REAS, REVISIONS AND AMENDMENTS REPRESENTED WITHIN THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF THE ENGINEER. NO PART THEREOF SHALL BE REPRODUCED, COPIED, EITHER IN WHOLE OR IN PART, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS OF THE PROJECT. THANK YOU FOR YOUR INTEREST IN NEVCO SCOREBOARD PRODUCTS.



301 East Harris Avenue, Greenville, Illinois 62246
 Phone: (618) 664-0960
 www.nevco.com

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 DIV. OF THE STATE ARCHITECT
 APP: 04-122089 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2023

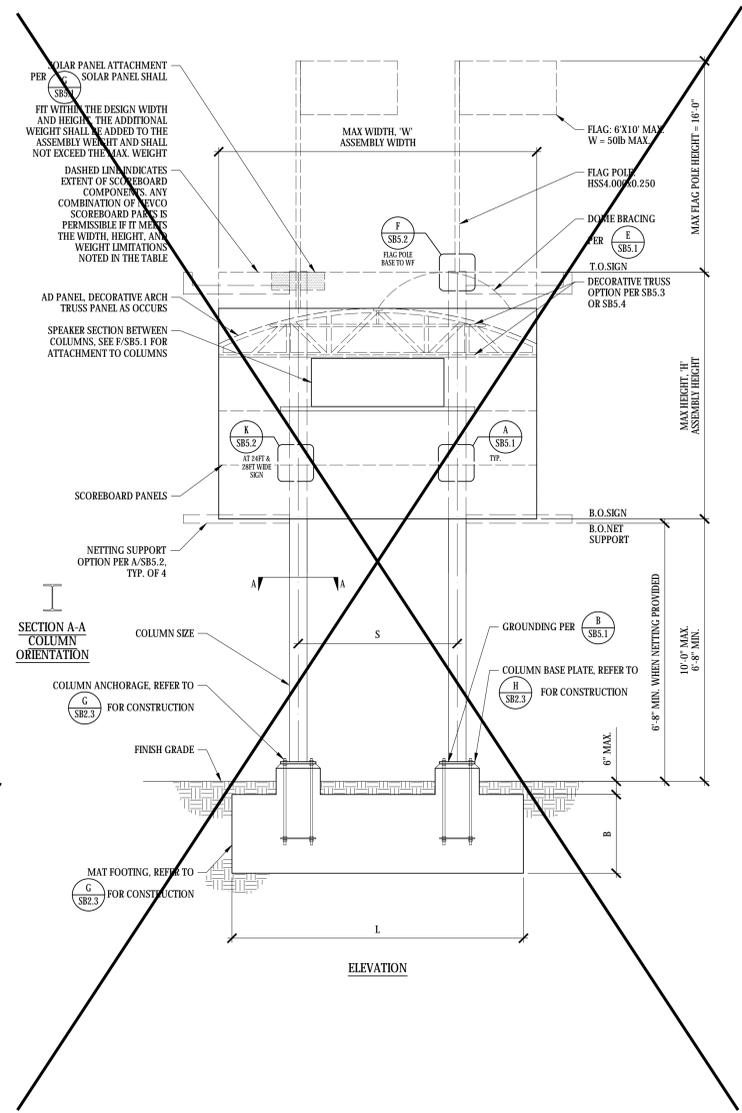
PRE-CHECK (PC) DOCUMENT
 CODE: 2022
 A separate project application for construction is required.



TWO COLUMN CAISSON - EMBEDDED

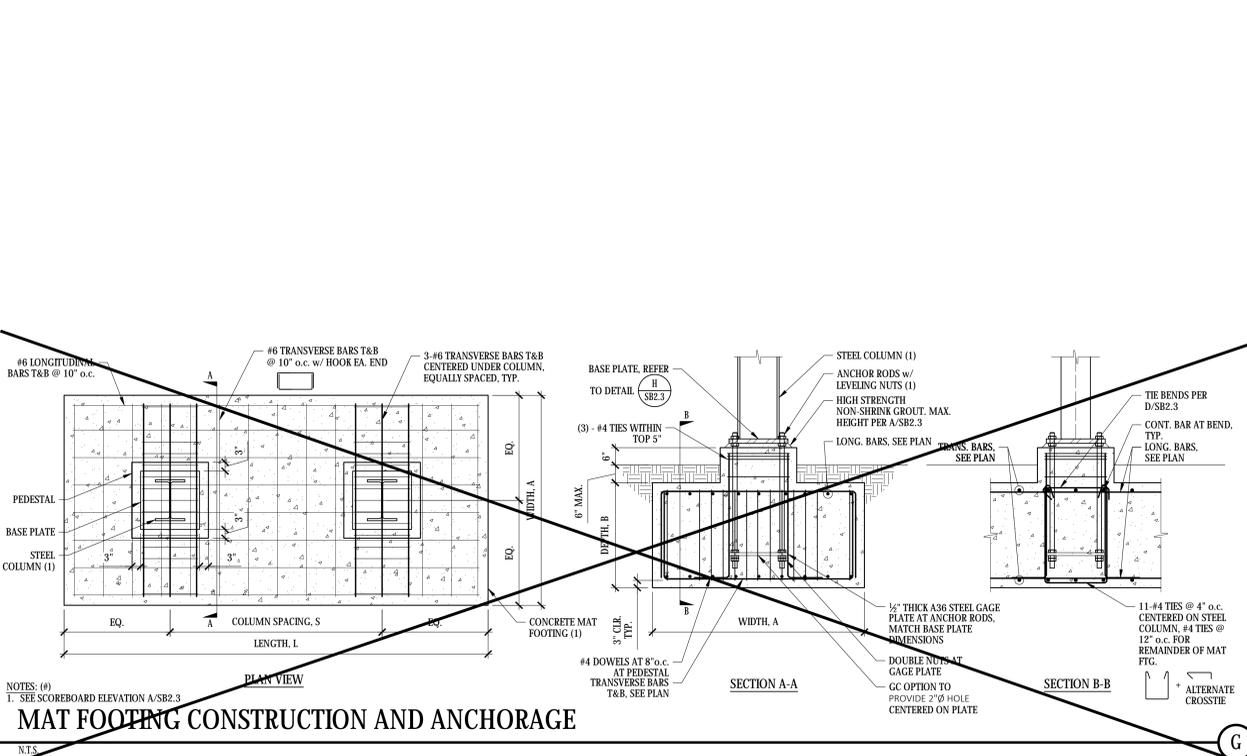
SHEET INFORMATION
 DATE: 08.09.2023
 DRAWN: JMK
 CHECKED: MEP
 SSG JOB #: S23109
 SHEET: SB2.1

| ASSEMBLY CRITERIA | | MAT FOOTING CRITERIA | | | | BASE PLATE | | | | ANCHOR RODS | | | | | | | | |
|-------------------|-------------------------------|----------------------|--------------------|-------------------|-------------|-----------------|----------|----------|-----------|--------------|----------|-----------|--------------|---------------------|--------------|------------------|--------------|-------|
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SPACING, S | COLUMN SIZE | COLUMN W/O FLAG | WIDTH, A | DEPTH, B | LENGTH, L | THICKNESS, t | WIDTH, B | LENGTH, L | WELD | QUANTITY & DIAMETER | GRADE | EDGE DISTANCE, X | GROUT HEIGHT | EMBED |
| 8'-0" | | 770 lbs. | ≤ 8'-0" | 6'-0" | W8x24 | W8x24 | 7'-0" | 3'-0" | 10'-0" | 1" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 1,160 lbs. | ≤ 12'-0" | 6'-0" | W10x33 | W10x33 | 8'-0" | 3'-0" | 12'-0" | 1 1/2" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 1,920 lbs. | ≤ 16'-0" | 6'-0" | W12x40 | W12x40 | 9'-0" | 3'-0" | 13'-0" | 1 3/4" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| 9'-0" | | 870 lbs. | ≤ 8'-0" | 8'-0" | W8x24 | W8x24 | 7'-0" | 3'-0" | 11'-0" | 1" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 1,300 lbs. | ≤ 12'-0" | 8'-0" | W10x33 | W10x33 | 8'-0" | 3'-0" | 13'-0" | 1 1/2" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 1,730 lbs. | ≤ 16'-0" | 8'-0" | W12x45 | W12x40 | 9'-0" | 3'-0" | 15'-0" | 1 3/4" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| 10'-0" | | 2,160 lbs. | ≤ 20'-0" | 8'-0" | W14x61 | W14x61 | 10'-6" | 3'-0" | 16'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| | | 960 lbs. | ≤ 8'-0" | 8'-0" | W8x24 | W8x24 | 7'-0" | 3'-0" | 11'-0" | 1" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 1,440 lbs. | ≤ 12'-0" | 8'-0" | W10x33 | W10x33 | 8'-0" | 3'-0" | 13'-0" | 1 1/2" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| 12'-0" | | 2,400 lbs. | ≤ 20'-0" | 8'-0" | W14x61 | W14x61 | 11'-0" | 3'-0" | 16'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.105 | 2 1/2" | 2" | 30" |
| | | 1,160 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x33 | 7'-6" | 3'-0" | 12'-0" | 1 1/2" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 1,730 lbs. | ≤ 12'-0" | 8'-0" | W14x43 | W14x43 | 8'-0" | 3'-0" | 14'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| 16'-0" | | 2,310 lbs. | ≤ 16'-0" | 8'-0" | W14x61 | W14x61 | 10'-6" | 3'-0" | 14'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| | | 2,880 lbs. | ≤ 20'-0" | 8'-0" | W14x61 | W14x61 | 11'-0" | 3'-0" | 17'-0" | 1 3/4" | 24" | 24" | 3/8" | (6) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| | | 1,540 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x33 | 7'-6" | 3'-0" | 13'-0" | 1 1/2" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| 18'-0" | | 3,840 lbs. | ≤ 16'-0" | 8'-0" | W12x45 | W12x40 | 9'-0" | 3'-0" | 15'-0" | 1 3/4" | 24" | 24" | 3/8" | (6) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| | | 1,730 lbs. | ≤ 8'-0" | 10'-0" | W12x35 | W12x35 | 8'-0" | 3'-0" | 13'-0" | 1 1/2" | 20" | 20" | 3/8" | (4) - 1 1/2" | F1554-GR.36 | 2 1/2" | 2" | 30" |
| | | 2,600 lbs. | ≤ 12'-0" | 10'-0" | W14x48 | W14x43 | 9'-6" | 3'-0" | 15'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| 24'-0" | | 3,460 lbs. | ≤ 16'-0" | 10'-0" | W14x61 | W14x61 | 11'-0" | 3'-0" | 16'-0" | 1 3/4" | 24" | 24" | 3/8" | (6) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| | | 4,320 lbs. | ≤ 20'-0" | 10'-0" | W16x77 | W16x77 | 13'-0" | 3'-0" | 17'-0" | 1 3/4" | 24" | 24" | 3/8" | (6) - 1 1/2" | F1554-GR.55 | 3" | 2" | 30" |
| | | 2,310 lbs. | ≤ 8'-0" | 14'-0" | W14x43 | W14x43 | 8'-6" | 3'-0" | 17'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" |
| 28'-0" | | 4,610 lbs. | ≤ 16'-0" | 14'-0" | W16x67 | W16x67 | 11'-0" | 3'-0" | 19'-0" | 1 3/4" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 3" | 2" | 30" |
| | | 5,760 lbs. | ≤ 20'-0" | 14'-0" | W18x86 | W18x86 | 13'-0" | 3'-0" | 21'-0" | 1 3/4" | 24" | 24" | 3/8" | (6) - 1 1/2" | F1554-GR.55 | 3" | 2" | 30" |
| | | 6,920 lbs. | ≤ 24'-0" | 14'-0" | W18x130 | W18x119 | 14'-0" | 4'-0" | 22'-0" | 2" | 24" | 30" | CIP | (6) - 1 1/2" | F1554-GR.105 | 3" | 2" | 36" |
| | 8,070 lbs. | ≤ 28'-0" | 14'-0" | W18x158 | W18x143 | 15'-0" | 4'-0" | 23'-0" | 2 1/2" | 24" | 36" | CIP | (6) - 1 1/2" | F1554-GR.105 | 4" | 2 1/2" | 36" | |
| | 2,880 lbs. | ≤ 8'-0" | 14'-0" | W14x43 | W14x43 | 8'-0" | 3'-0" | 18'-0" | 1 1/2" | 24" | 24" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 2 1/2" | 2" | 30" | |
| | 4,040 lbs. | ≤ 12'-0" | 14'-0" | W14x61 | W14x61 | 10'-0" | 3'-0" | 19'-0" | 1 3/4" | 24" | 30" | 3/8" | (4) - 1 1/2" | F1554-GR.55 | 3" | 2" | 30" | |
| | 5,380 lbs. | ≤ 16'-0" | 14'-0" | W16x77 | W16x67 | 11'-0" | 3'-0" | 22'-0" | 2" | 24" | 30" | 3/8" | (6) - 1 1/2" | F1554-GR.55 | 3" | 2" | 30" | |
| | 6,720 lbs. | ≤ 20'-0" | 14'-0" | W18x97 | W18x97 | 13'-0" | 3'-0" | 23'-0" | 2" | 24" | 30" | CIP | (6) - 1 1/2" | F1554-GR.105 | 3" | 2" | 30" | |
| | 8,070 lbs. | ≤ 24'-0" | 14'-0" | W18x143 | W18x143 | 14'-0" | 4'-0" | 24'-0" | 2 1/2" | 24" | 36" | CIP | (6) - 1 1/2" | F1554-GR.105 | 4" | 2 1/2" | 36" | |
| | 9,410 lbs. | ≤ 28'-0" | 14'-0" | W18x175 | W18x175 | 15'-0" | 4'-0" | 24'-0" | 3" | 24" | 36" | CIP | (6) - 1 1/2" | F1554-GR.105 | 4" | 2 1/2" | 36" | |



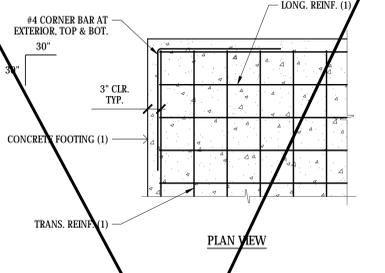
TWO COLUMN SCOREBOARD INSTALLATION

N.T.S.



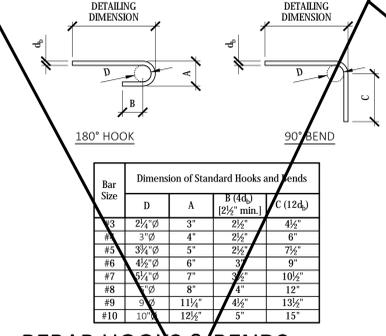
MAT FOOTING CONSTRUCTION AND ANCHORAGE

N.T.S.



TYP. FOOTING CORNER

N.T.S.

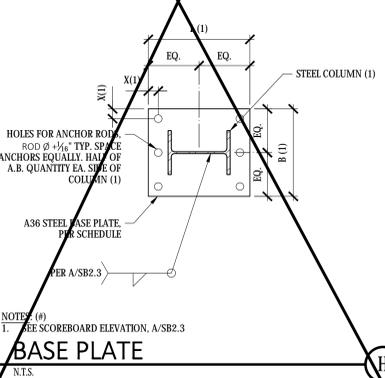


REBAR HOOKS & BENDS

N.T.S.

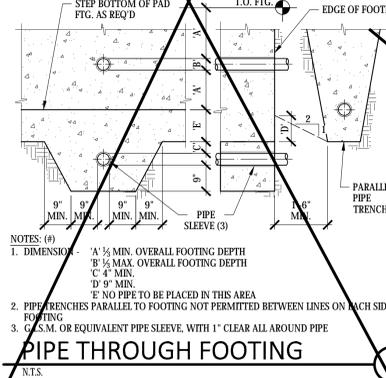
| Bar Size | Concrete Reinforcing Splices (1)(2) | | | f _y (Min.) |
|----------|-------------------------------------|--------------------|-----------------------|-----------------------|
| | Class A (3) Splice | Class B (3) Splice | f _y (Min.) | |
| #3 | 16" | 21" | 27" | 40 ksi |
| #4 | 21" | 27" | 33" | 60 ksi |
| #5 | 27" | 33" | 40" | 60 ksi |
| #6 | 33" | 40" | 47" | 60 ksi |
| #7 | 40" | 47" | 54" | 60 ksi |
| #8 | 47" | 54" | 61" | 60 ksi |
| #9 | 54" | 61" | 68" | 60 ksi |
| #10 | 61" | 68" | 75" | 60 ksi |

NOTES: (1) LAP LENGTHS LISTED APPLY TO HORIZONTAL REINFORCEMENT.
 (2) WHERE BARS OF A DIFFERENT SIZE ARE LAPPED, THE LAP LENGTH SHALL BE THE LENGTH REQUIRED BY THE LARGER BAR.
 (3) ALL SPLICES SHALL BE CONSIDERED CLASS B UNLESS SPECIFICALLY NOTED OTHERWISE.



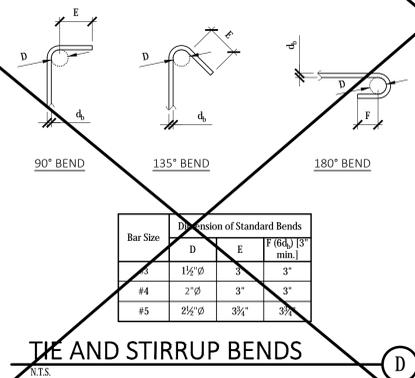
BASE PLATE

N.T.S.



PIPE THROUGH FOOTING

N.T.S.



TIE AND STIRRUP BENDS

N.T.S.

APPLICATION# 02-122089
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122089 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 4/3/2024

SSG
 structural engineers

REGISTERED PROFESSIONAL ENGINEER
 MICHAEL E. PARSONS
 No. 5485
 STATE OF CALIFORNIA
 CIVIL
 EXPIRES 08.09.2023

PC SEOR REAL
 DATE: 08.09.2023

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NEVCO
 301 East Harris Avenue, Greenville, Illinois 62246
 Phone: (618) 664-0980
 www.nevco.com

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-122089 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/20/2023

PRE-CHECK (PC) DOCUMENT
 CODE: 2022

A separate project application for construction is required.

TWO COLUMN MAT FOOTING

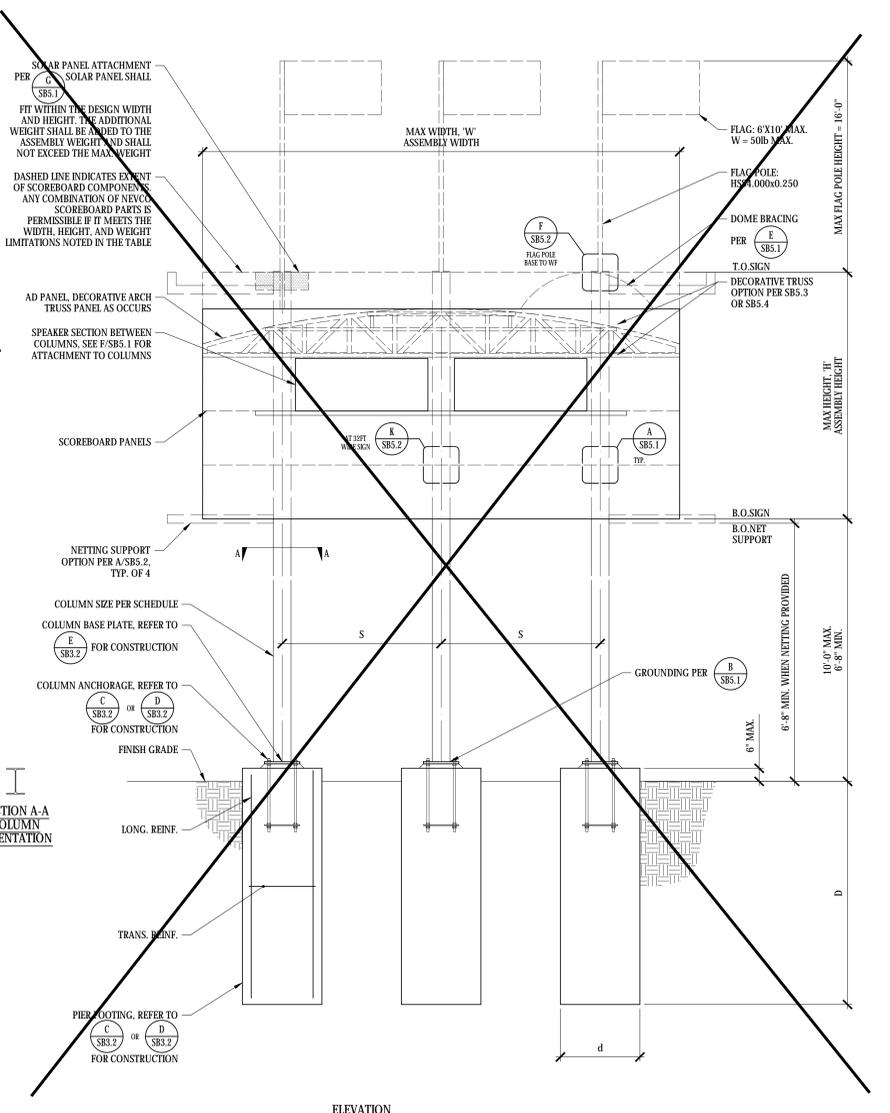
REGISTERED PROFESSIONAL ENGINEER
 MICHAEL E. PARSONS
 No. 52386
 STATE OF CALIFORNIA
 CIVIL
 EXPIRES 08.09.2023

SHEET INFORMATION
 DATE: 08.09.2023
 DRAWN: JMK
 CHECKED: MEP
 SSG JOB #: S23109
 SHEET: **SB2.3**

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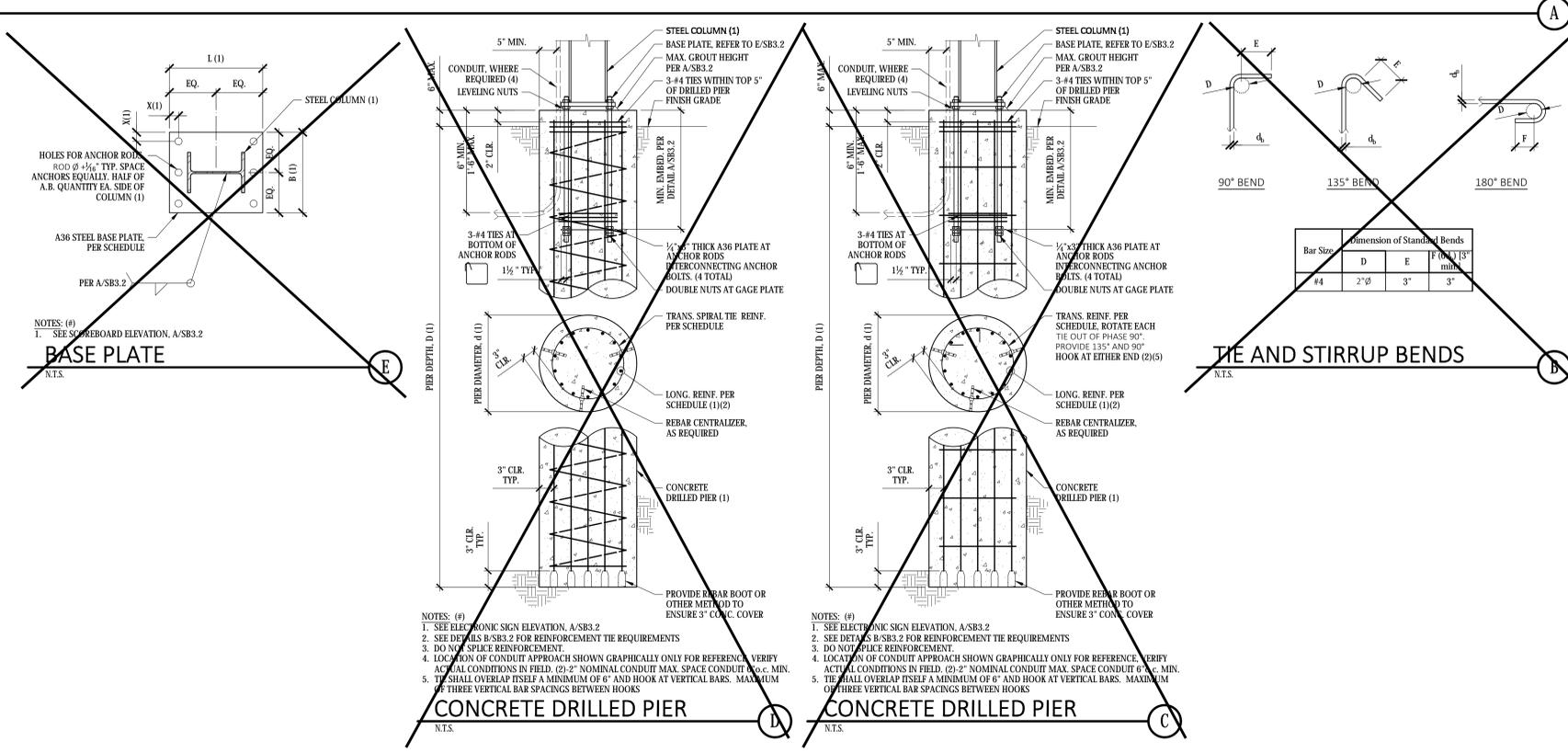
| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | ASSEMBLY CRITERIA | | COLUMN SPACING, S | COLUMN SIZE | COLUMN SIZE W/O FLAG | PIER FOOTING CRITERIA (2) | | | BASE PLATE | | | ANCHOR RODS | | | | | | |
|-------------------|-------------------------------|-------------------|--------------------|-------------------|-------------|----------------------|---------------------------|----------|--------------|-------------------|--------------|----------|-------------|------|---------------------|----------------|------------------|--------------|-------|
| | | MAX. WEIGHT | ASSEMBLY HEIGHT, H | | | | PIER DIAMETER, d | DEPTH, D | LONG. REINF. | TRANS. REINF. (1) | THICKNESS, t | WIDTH, B | LENGTH, L | WELD | QUANTITY & DIAMETER | GRADE | EDGE DISTANCE, X | GROUT HEIGHT | EMBED |
| 20'-0" | | 1,920 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x30 | 36"Ø | 8'-6" | 8-#6 | #4 @ 4½" o.c. | 1½" | 20" | 20" | ⅜" | (4) - 1½"Ø | F1554 - GR.36 | 2½" | 2" | 48" |
| | | 2,880 lbs. | ≤ 12'-0" | 8'-0" | W12x40 | W12x40 | 36"Ø | 10'-0" | 8-#6 | #4 @ 4½" o.c. | 1½" | 20" | 20" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 48" |
| | | 3,840 lbs. | ≤ 16'-0" | 8'-0" | W14x61 | W14x53 | 42"Ø | 10'-6" | 8-#8 | #4 @ 6" o.c. | 1½" | 24" | 24" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 64" |
| 24'-0" | | 4,800 lbs. | ≤ 20'-0" | 8'-0" | W16x77 | W16x67 | 48"Ø | 11'-0" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 5,760 lbs. | ≤ 24'-0" | 8'-0" | W18x97 | W18x76 | 48"Ø | 12'-0" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 6,720 lbs. | ≤ 28'-0" | 8'-0" | W20x130 | W20x85 | 36"Ø | 9'-0" | 8-#6 | #4 @ 4½" o.c. | 1½" | 20" | 20" | ⅜" | (4) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 48" |
| 28'-0" | | 3,460 lbs. | ≤ 12'-0" | 8'-0" | W14x48 | W14x43 | 36"Ø | 10'-6" | 8-#8 | #4 @ 6" o.c. | 1½" | 20" | 20" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 64" |
| | | 4,610 lbs. | ≤ 16'-0" | 8'-0" | W16x77 | W16x67 | 48"Ø | 12'-0" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 24" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 64" |
| | | 5,760 lbs. | ≤ 20'-0" | 8'-0" | W18x97 | W18x76 | 48"Ø | 12'-0" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.105 | 2½" | 2" | 64" |
| 32'-0" | | 6,920 lbs. | ≤ 24'-0" | 8'-0" | W18x97 | W18x86 | 48"Ø | 13'-3" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 8,060 lbs. | ≤ 28'-0" | 8'-0" | W18x119 | W18x106 | 48"Ø | 14'-3" | 14-#8 | #4 @ 6" o.c. | 2" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 2,690 lbs. | ≤ 8'-0" | 10'-0" | W10x33 | W10x33 | 36"Ø | 9'-6" | 8-#6 | #4 @ 4½" o.c. | 1½" | 20" | 20" | ⅜" | (4) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 48" |
| 32'-0" | | 4,040 lbs. | ≤ 12'-0" | 10'-0" | W14x48 | W14x43 | 48"Ø | 9'-9" | 8-#8 | #4 @ 6" o.c. | 1½" | 24" | 24" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 64" |
| | | 5,380 lbs. | ≤ 16'-0" | 10'-0" | W16x77 | W16x67 | 48"Ø | 11'-6" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (4) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 6,720 lbs. | ≤ 20'-0" | 10'-0" | W18x97 | W18x77 | 48"Ø | 12'-6" | 14-#8 | #4 @ 6" o.c. | 2" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| 32'-0" | | 8,070 lbs. | ≤ 24'-0" | 10'-0" | W18x106 | W18x97 | 48"Ø | 13'-9" | 14-#9 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 9,400 lbs. | ≤ 28'-0" | 10'-0" | W18x130 | W18x119 | 48"Ø | 15'-0" | 14-#9 | #4 @ 6" o.c. | 2" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.105 | 3" | 2" | 64" |
| | | 3,080 lbs. | ≤ 8'-0" | 12'-0" | W10x33 | W10x33 | 36"Ø | 10'-0" | 8-#6 | #4 @ 4½" o.c. | 1½" | 20" | 20" | ⅜" | (4) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 48" |
| 32'-0" | | 4,610 lbs. | ≤ 12'-0" | 12'-0" | W14x61 | W14x48 | 48"Ø | 10'-3" | 8-#8 | #4 @ 6" o.c. | 1½" | 24" | 24" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 2½" | 2" | 64" |
| | | 6,150 lbs. | ≤ 16'-0" | 12'-0" | W16x77 | W16x67 | 48"Ø | 11'-9" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (4) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 7,680 lbs. | ≤ 20'-0" | 12'-0" | W18x97 | W18x76 | 48"Ø | 13'-0" | 14-#8 | #4 @ 6" o.c. | 1½" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| 32'-0" | | 9,220 lbs. | ≤ 24'-0" | 12'-0" | W18x119 | W18x106 | 48"Ø | 14'-6" | 14-#9 | #4 @ 6" o.c. | 2" | 24" | 30" | ⅜" | (6) - 1½"Ø | F1554 - GR.55 | 3" | 2" | 64" |
| | | 10,750 lbs. | ≤ 28'-0" | 12'-0" | W18x143 | W18x130 | 54"Ø | 15'-6" | 14-#9 | #4 @ 6" o.c. | 2½" | 30" | 36" | ⅜" | (6) - 2"Ø | F1554 - GR.55 | 4" | 2½" | 64" |

NOTES:
 1. CONTRACTOR OPTION TO PROVIDE TYPICAL SPIRAL REINFORCING. SEE C/SB3.2 FOR THE OPTION. SEE D/SB3.2 FOR SPIRAL OPTION.
 2. CONTRACTOR IS RESPONSIBLE FOR CASING PIERS AND DRILLING SEQUENCING TO PROTECT PIER EXCAVATION



THREE COLUMN SCOREBOARD INSTALLATION

N.T.S.



THREE COLUMN CAISSON - BOLTED

N.T.S.

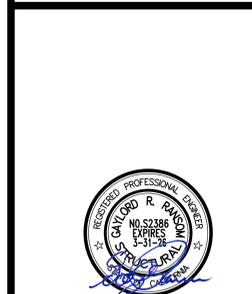
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THANK YOU FOR YOUR INTEREST IN NEVCO SCOREBOARD PRODUCTS

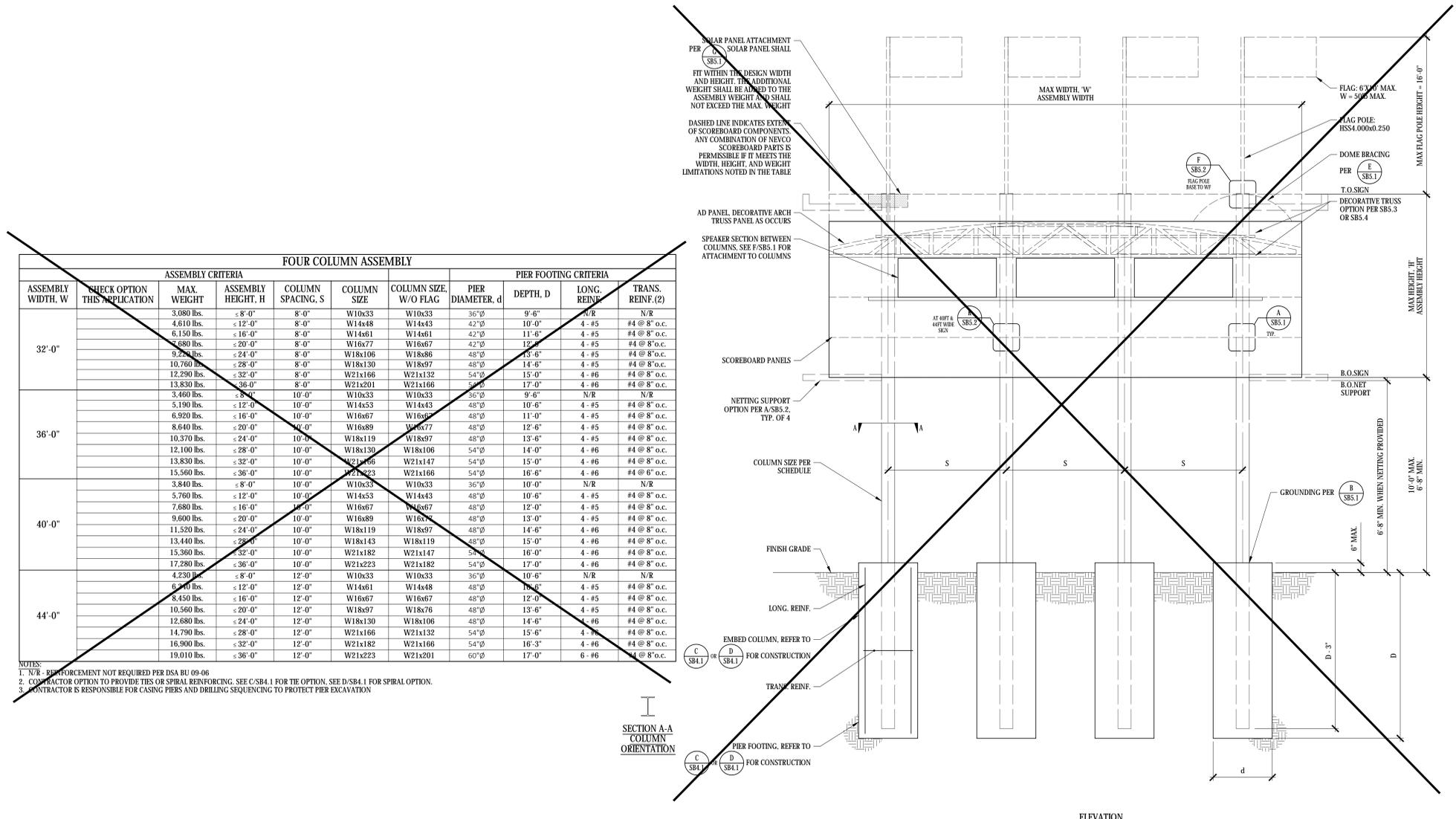


PRE-CHECK (PC) DOCUMENT
 CODE: 2022

A separate project application for construction is required.



FOUR COLUMN
 CAISSON -
 EMBEDDED

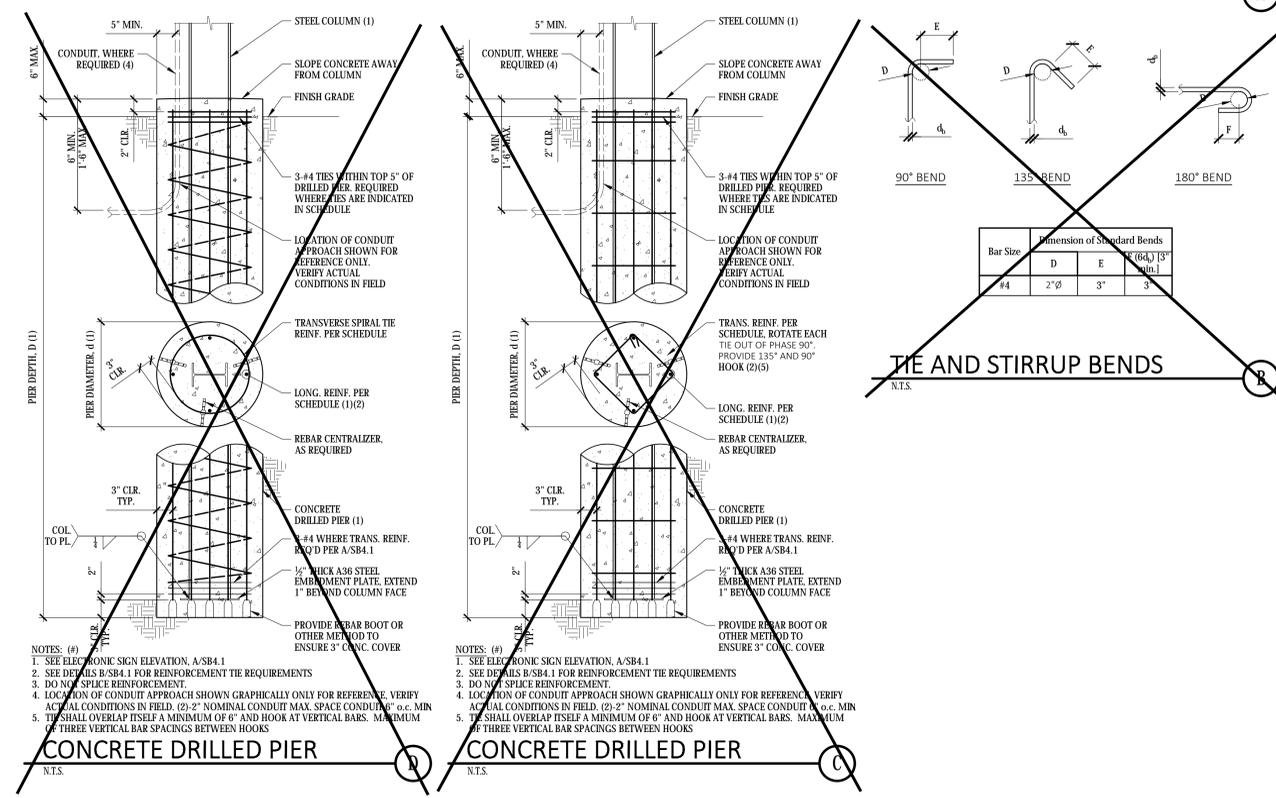


FOUR COLUMN ASSEMBLY

| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | ASSEMBLY CRITERIA | | | PIER FOOTING CRITERIA | | | | | |
|-------------------|-------------------------------|-------------------|--------------------|-------------------|-----------------------|-----------------------|------------------|----------|--------------|-------------------|
| | | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SPACING, S | COLUMN SIZE | COLUMN SIZE, W/O FLAG | PIER DIAMETER, d | DEPTH, D | LONG. REINF. | TRANS. REINF. (2) |
| 32'-0" | | 3,080 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x33 | 36"Ø | 9'-6" | N/R | N/R |
| | | 4,610 lbs. | ≤ 12'-0" | 8'-0" | W14x48 | W14x43 | 42"Ø | 10'-0" | 4-#5 | #4 @ 8" o.c. |
| | | 6,150 lbs. | ≤ 16'-0" | 8'-0" | W14x61 | W14x61 | 42"Ø | 11'-6" | 4-#5 | #4 @ 8" o.c. |
| | | 7,680 lbs. | ≤ 20'-0" | 8'-0" | W16x77 | W16x67 | 42"Ø | 12'-6" | 4-#5 | #4 @ 8" o.c. |
| | | 9,220 lbs. | ≤ 24'-0" | 8'-0" | W18x106 | W18x86 | 48"Ø | 13'-6" | 4-#5 | #4 @ 8" o.c. |
| 36'-0" | | 10,760 lbs. | ≤ 28'-0" | 8'-0" | W18x130 | W18x97 | 48"Ø | 14'-6" | 4-#5 | #4 @ 8" o.c. |
| | | 12,290 lbs. | ≤ 32'-0" | 8'-0" | W21x166 | W21x132 | 54"Ø | 15'-0" | 4-#6 | #4 @ 8" o.c. |
| | | 13,830 lbs. | ≤ 36'-0" | 8'-0" | W21x201 | W21x166 | 54"Ø | 17'-0" | 4-#6 | #4 @ 8" o.c. |
| | | 3,460 lbs. | ≤ 8'-0" | 10'-0" | W10x33 | W10x33 | 36"Ø | 9'-6" | N/R | N/R |
| | | 5,190 lbs. | ≤ 12'-0" | 10'-0" | W14x53 | W14x43 | 48"Ø | 10'-6" | 4-#5 | #4 @ 8" o.c. |
| 40'-0" | | 6,920 lbs. | ≤ 16'-0" | 10'-0" | W16x67 | W16x67 | 48"Ø | 11'-0" | 4-#5 | #4 @ 8" o.c. |
| | | 8,640 lbs. | ≤ 20'-0" | 10'-0" | W16x89 | W16x77 | 48"Ø | 12'-6" | 4-#5 | #4 @ 8" o.c. |
| | | 10,370 lbs. | ≤ 24'-0" | 10'-0" | W18x119 | W18x97 | 48"Ø | 13'-6" | 4-#5 | #4 @ 8" o.c. |
| | | 12,100 lbs. | ≤ 28'-0" | 10'-0" | W18x130 | W18x106 | 54"Ø | 14'-0" | 4-#6 | #4 @ 8" o.c. |
| | | 13,830 lbs. | ≤ 32'-0" | 10'-0" | W21x166 | W21x147 | 54"Ø | 15'-0" | 4-#6 | #4 @ 8" o.c. |
| 44'-0" | | 15,560 lbs. | ≤ 36'-0" | 10'-0" | W21x223 | W21x166 | 54"Ø | 16'-6" | 4-#6 | #4 @ 6" o.c. |
| | | 3,840 lbs. | ≤ 8'-0" | 10'-0" | W10x33 | W10x33 | 36"Ø | 10'-0" | N/R | N/R |
| | | 5,760 lbs. | ≤ 12'-0" | 10'-0" | W14x53 | W14x43 | 48"Ø | 10'-6" | 4-#5 | #4 @ 8" o.c. |
| | | 7,680 lbs. | ≤ 16'-0" | 10'-0" | W16x67 | W16x67 | 48"Ø | 12'-0" | 4-#5 | #4 @ 8" o.c. |
| | | 9,600 lbs. | ≤ 20'-0" | 10'-0" | W16x89 | W16x77 | 48"Ø | 13'-0" | 4-#5 | #4 @ 8" o.c. |
| | 11,520 lbs. | ≤ 24'-0" | 10'-0" | W18x119 | W18x97 | 48"Ø | 14'-0" | 4-#6 | #4 @ 8" o.c. | |
| | 13,440 lbs. | ≤ 28'-0" | 10'-0" | W18x143 | W18x119 | 48"Ø | 15'-0" | 4-#6 | #4 @ 8" o.c. | |
| | 15,360 lbs. | ≤ 32'-0" | 10'-0" | W21x182 | W21x147 | 54"Ø | 16'-0" | 4-#6 | #4 @ 8" o.c. | |
| | 17,280 lbs. | ≤ 36'-0" | 10'-0" | W21x223 | W21x182 | 54"Ø | 17'-0" | 4-#6 | #4 @ 8" o.c. | |
| | 4,230 lbs. | ≤ 8'-0" | 12'-0" | W10x33 | W10x33 | 36"Ø | 10'-6" | N/R | N/R | |
| | 6,240 lbs. | ≤ 12'-0" | 12'-0" | W14x61 | W14x48 | 48"Ø | 11'-6" | 4-#5 | #4 @ 8" o.c. | |
| | 8,450 lbs. | ≤ 16'-0" | 12'-0" | W16x67 | W16x67 | 48"Ø | 12'-0" | 4-#5 | #4 @ 8" o.c. | |
| | 10,560 lbs. | ≤ 20'-0" | 12'-0" | W18x97 | W18x76 | 48"Ø | 13'-6" | 4-#5 | #4 @ 8" o.c. | |
| | 12,680 lbs. | ≤ 24'-0" | 12'-0" | W18x130 | W18x106 | 48"Ø | 14'-6" | 4-#6 | #4 @ 8" o.c. | |
| | 14,790 lbs. | ≤ 28'-0" | 12'-0" | W21x166 | W21x132 | 54"Ø | 15'-6" | 4-#6 | #4 @ 8" o.c. | |
| | 16,900 lbs. | ≤ 32'-0" | 12'-0" | W21x182 | W21x166 | 54"Ø | 16'-3" | 4-#6 | #4 @ 8" o.c. | |
| | 19,010 lbs. | ≤ 36'-0" | 12'-0" | W21x223 | W21x201 | 60"Ø | 17'-0" | 6-#6 | #4 @ 8" o.c. | |

NOTES:
 1. N/R - REINFORCEMENT NOT REQUIRED PER USA BU 09-06
 2. CONTRACTOR OPTION TO PROVIDE TIES OR SPIRAL REINFORCING. SEE C/S/S.1 FOR THE OPTION. SEE D/S/S.1 FOR SPIRAL OPTION.
 3. CONTRACTOR IS RESPONSIBLE FOR CASING PIERS AND DRILLING SEQUENCING TO PROTECT PIER EXCAVATION

FOUR COLUMN SCOREBOARD INSTALLATION

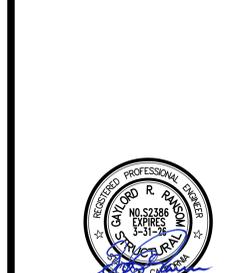


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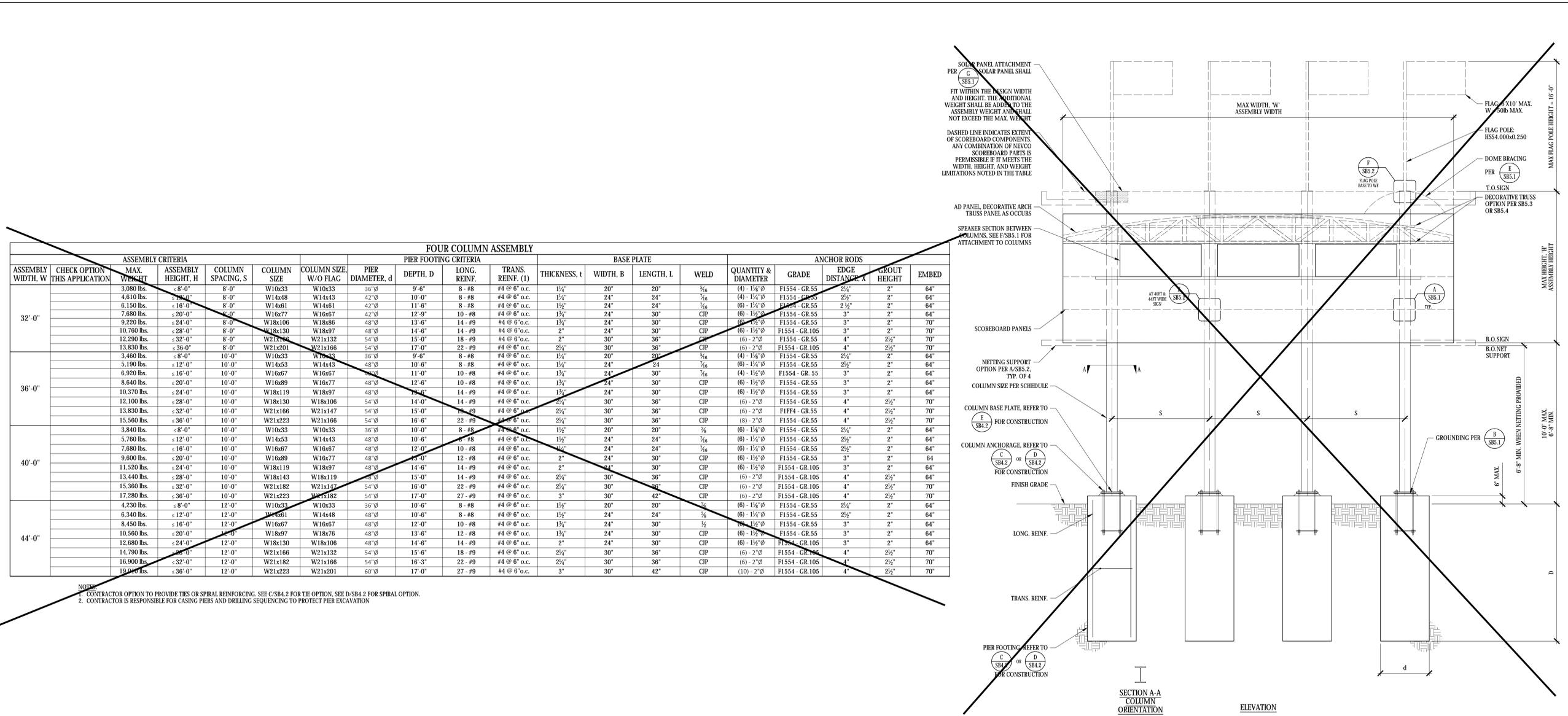


PRE-CHECK (PC) DOCUMENT
 CODE: 2022

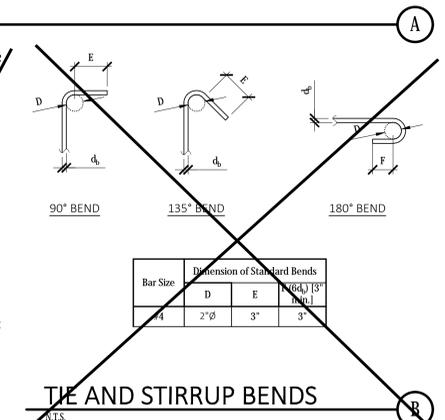
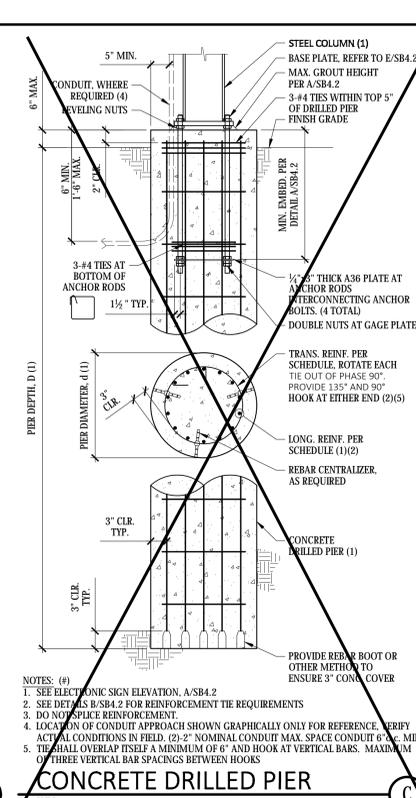
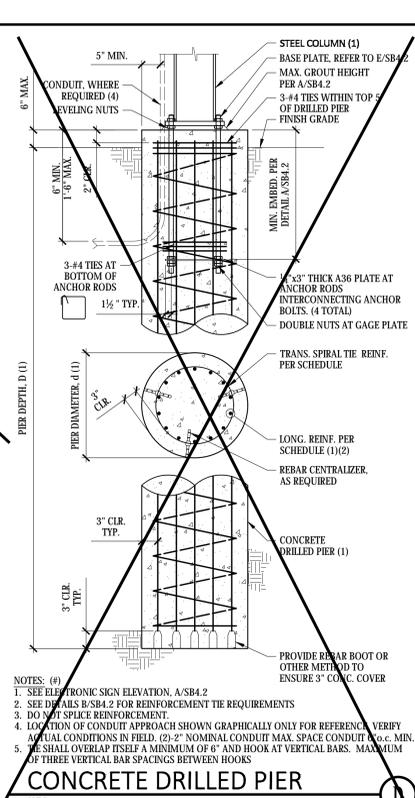
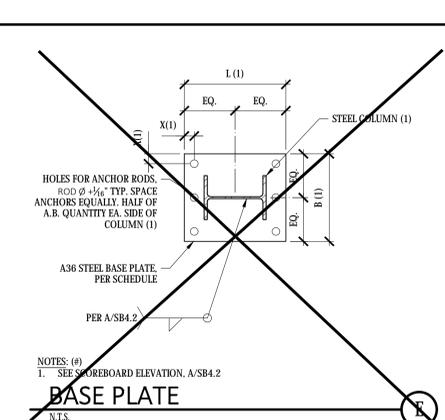
A separate project application for construction is required.



FOUR COLUMN CAISSON - BOLTED

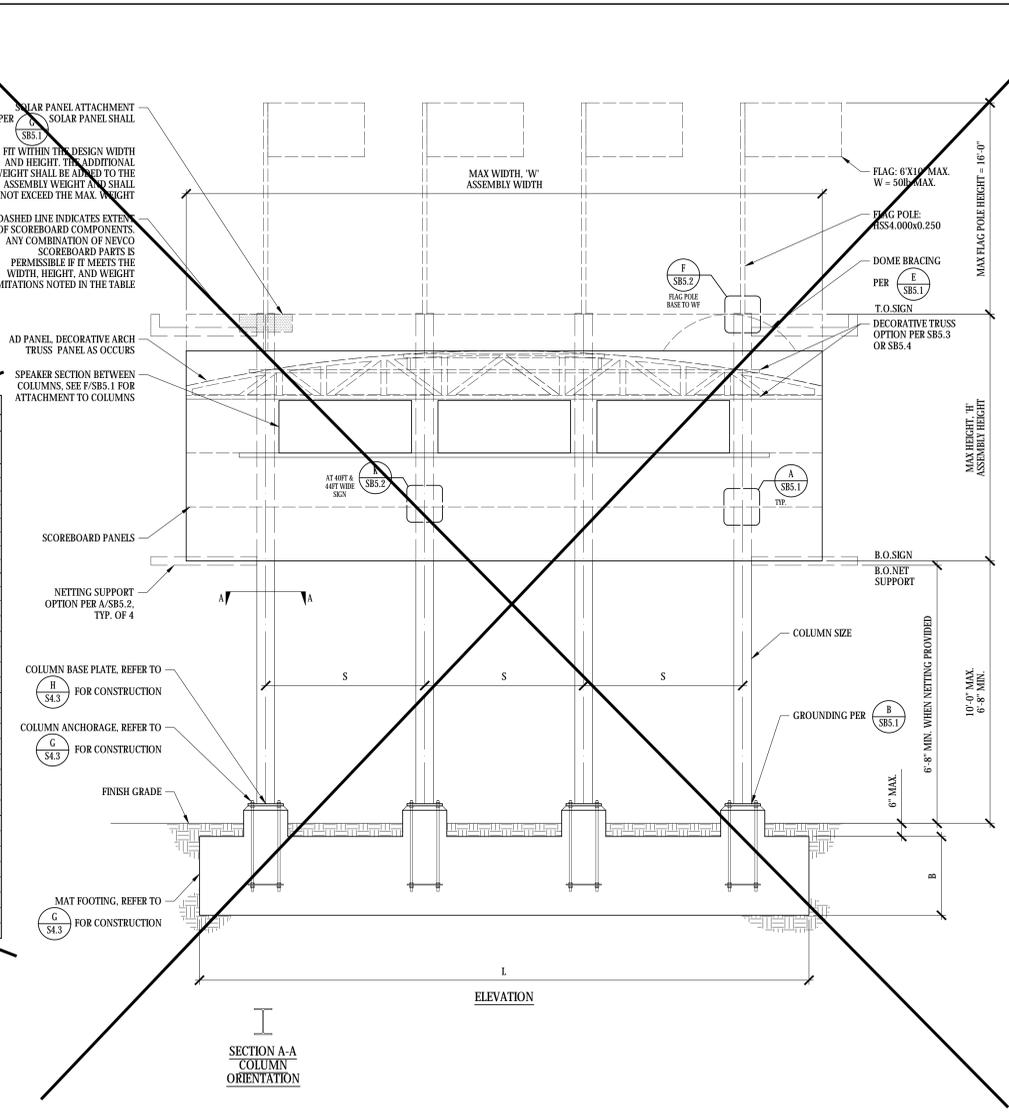


FOUR COLUMN SCOREBOARD INSTALLATION
 N.T.S.

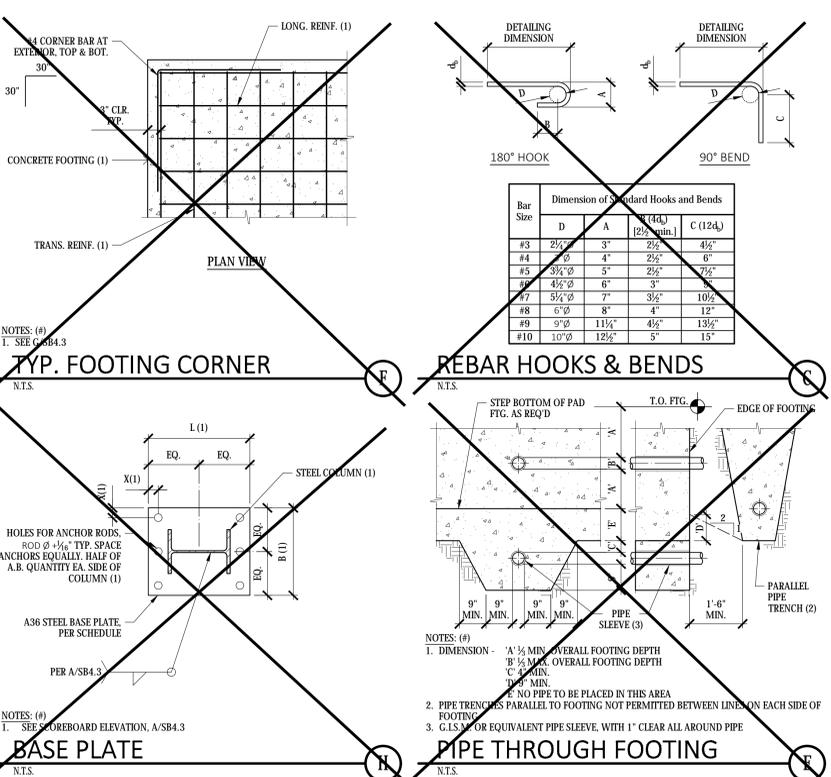
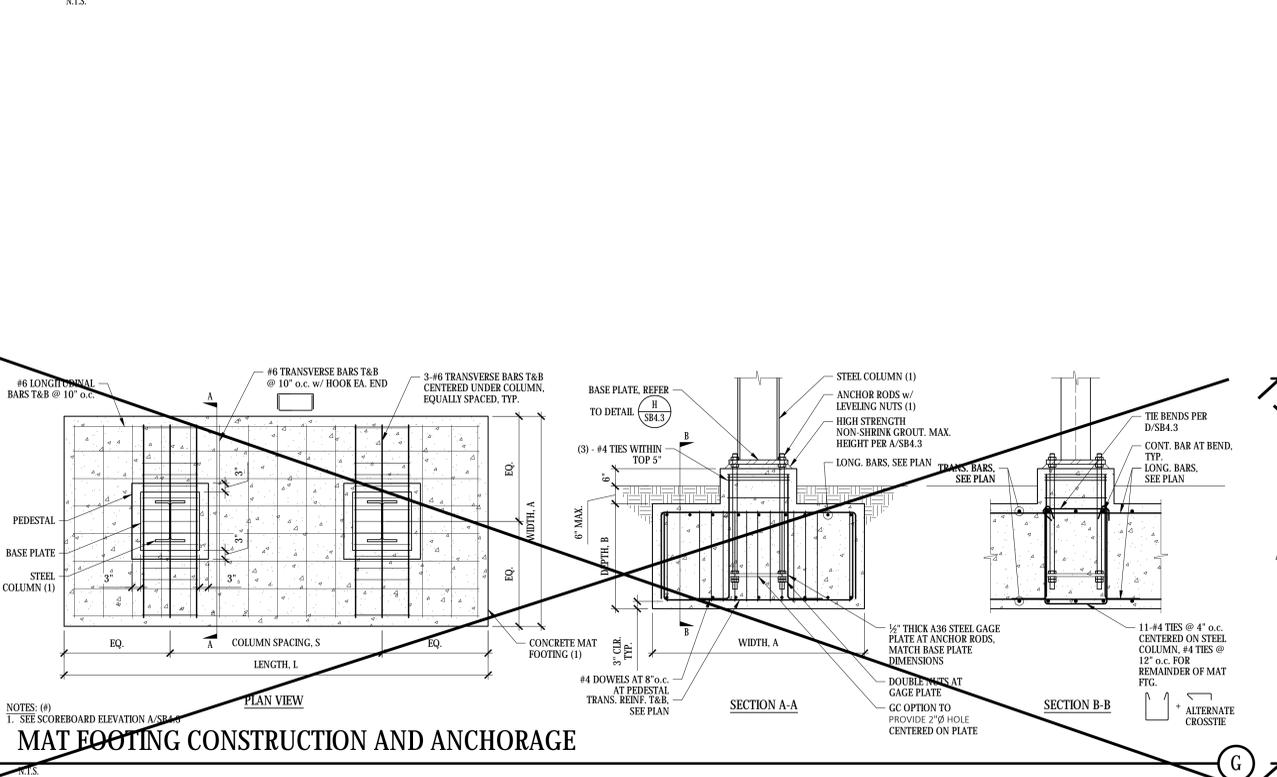


FOUR COLUMN ASSEMBLY

| ASSEMBLY WIDTH, W | CHECK OPTION THIS APPLICATION | ASSEMBLY CRITERIA | | MAT FOOTING CRITERIA | | | | BASE PLATE | | | ANCHOR RODS | | | | | | | |
|-------------------|-------------------------------|-------------------|--------------------|----------------------|-------------|-----------------------|----------|------------|-----------|--------------|-------------|-----------|----------------|---------------------|----------------|------------------|--------------|-------|
| | | MAX. WEIGHT | ASSEMBLY HEIGHT, H | COLUMN SPACING, S | COLUMN SIZE | COLUMN SIZE, W/O FLAG | WIDTH, A | DEPTH, B | LENGTH, L | THICKNESS, t | WIDTH, B | LENGTH, L | WELD | QUANTITY & DIAMETER | GRADE | EDGE DISTANCE, X | GROUT HEIGHT | EMBED |
| 32'-0" | | 3,080 lbs. | ≤ 8'-0" | 8'-0" | W10x33 | W10x33 | 8'-0" | 3'-0" | 28'-0" | 1 1/4" | 20" | 20" | 3/8" | (4) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 4,610 lbs. | ≤ 16'-0" | 8'-0" | W14x48 | W14x48 | 9'-0" | 3'-0" | 30'-0" | 1 1/4" | 24" | 24" | 3/8" | (4) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 6,150 lbs. | ≤ 24'-0" | 8'-0" | W14x61 | W14x61 | 10'-6" | 3'-0" | 35'-0" | 1 1/2" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 7,690 lbs. | ≤ 24'-0" | 8'-0" | W16x77 | W16x77 | 12'-6" | 3'-0" | 36'-0" | 1 1/2" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" |
| | | 9,230 lbs. | ≤ 24'-0" | 8'-0" | W18x106 | W18x106 | 14'-0" | 3'-0" | 39'-0" | 1 1/4" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" |
| 36'-0" | | 10,760 lbs. | ≤ 28'-0" | 8'-0" | W18x130 | W18x130 | 15'-0" | 3'-6" | 39'-0" | 2" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.105 | 3" | 2" | 30" |
| | | 12,290 lbs. | ≤ 32'-0" | 8'-0" | W21x176 | W21x132 | 17'-0" | 4'-0" | 42'-0" | 2" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.55 | 4" | 2 1/2" | 36" |
| | | 13,830 lbs. | ≤ 36'-0" | 8'-0" | W21x201 | W21x166 | 18'-0" | 4'-0" | 46'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 36" |
| | | 3,460 lbs. | ≤ 8'-0" | 10'-0" | W10x33 | W10x33 | 7'-6" | 3'-0" | 36'-0" | 1 1/4" | 20" | 20" | 3/8" | (4) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 5,190 lbs. | ≤ 12'-0" | 10'-0" | W14x53 | W14x43 | 9'-0" | 3'-0" | 36'-0" | 1 1/4" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| 40'-0" | | 6,920 lbs. | ≤ 16'-0" | 10'-0" | W16x67 | W16x67 | 11'-0" | 3'-0" | 36'-0" | 1 1/2" | 24" | 30" | 3/8" | (4) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" |
| | | 8,640 lbs. | ≤ 20'-0" | 10'-0" | W16x89 | W16x77 | 12'-0" | 3'-0" | 40'-0" | 1 1/2" | 24" | 30" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" |
| | | 10,370 lbs. | ≤ 24'-0" | 10'-0" | W18x119 | W18x97 | 14'-0" | 3'-6" | 40'-0" | 1 1/2" | 24" | 30" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" |
| | | 12,100 lbs. | ≤ 28'-0" | 10'-0" | W18x130 | W18x106 | 14'-0" | 4'-0" | 40'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.55 | 4" | 2 1/2" | 36" |
| | | 13,830 lbs. | ≤ 32'-0" | 10'-0" | W21x166 | W21x147 | 16'-0" | 4'-0" | 40'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.55 | 4" | 2 1/2" | 36" |
| 44'-0" | | 15,560 lbs. | ≤ 36'-0" | 10'-0" | W21x223 | W21x166 | 18'-0" | 4'-0" | 40'-0" | 2 1/4" | 30" | 36" | CIP | (8) - 2" Ø | F1554 - GR.55 | 4" | 2 1/2" | 36" |
| | | 3,840 lbs. | ≤ 8'-0" | 10'-0" | W10x33 | W10x33 | 8'-0" | 3'-0" | 38'-0" | 1 1/2" | 20" | 20" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 5,760 lbs. | ≤ 12'-0" | 10'-0" | W14x53 | W14x43 | 9'-0" | 3'-0" | 38'-0" | 1 1/2" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 7,680 lbs. | ≤ 16'-0" | 10'-0" | W16x67 | W16x67 | 11'-0" | 3'-0" | 38'-0" | 1 1/2" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | | 9,600 lbs. | ≤ 20'-0" | 10'-0" | W16x89 | W16x77 | 13'-0" | 3'-0" | 40'-0" | 2" | 24" | 30" | CIP | (6) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" |
| 44'-0" | | 11,520 lbs. | ≤ 24'-0" | 10'-0" | W18x119 | W18x97 | 14'-0" | 3'-6" | 40'-0" | 2" | 24" | 30" | CIP | (6) - 1 1/2" Ø | F1554 - GR.105 | 3" | 2" | 30" |
| | | 13,440 lbs. | ≤ 28'-0" | 10'-0" | W18x130 | W18x119 | 14'-0" | 4'-0" | 42'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 36" |
| | | 15,360 lbs. | ≤ 32'-0" | 10'-0" | W21x182 | W21x147 | 16'-0" | 4'-0" | 44'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 36" |
| | | 17,280 lbs. | ≤ 36'-0" | 10'-0" | W21x223 | W21x182 | 18'-0" | 4'-0" | 46'-0" | 3" | 30" | 42" | CIP | (6) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 36" |
| | | 4,230 lbs. | ≤ 8'-0" | 12'-0" | W10x33 | W10x33 | 7'-0" | 3'-0" | 42'-0" | 1 1/2" | 20" | 20" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" |
| | 6,340 lbs. | ≤ 12'-0" | 12'-0" | W14x61 | W14x48 | 9'-0" | 3'-0" | 43'-0" | 1 1/2" | 24" | 24" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" | |
| | 8,450 lbs. | ≤ 16'-0" | 12'-0" | W16x67 | W16x67 | 10'-0" | 3'-0" | 43'-0" | 1 1/2" | 24" | 30" | 3/8" | (6) - 1 1/2" Ø | F1554 - GR.55 | 2 1/2" | 2" | 30" | |
| | 10,560 lbs. | ≤ 20'-0" | 12'-0" | W18x97 | W18x76 | 12'-0" | 3'-6" | 46'-0" | 1 1/2" | 24" | 30" | CIP | (6) - 1 1/2" Ø | F1554 - GR.55 | 3" | 2" | 30" | |
| | 12,680 lbs. | ≤ 24'-0" | 12'-0" | W18x130 | W18x106 | 14'-0" | 3'-6" | 47'-0" | 2" | 24" | 30" | CIP | (6) - 1 1/2" Ø | F1554 - GR.105 | 3" | 2" | 30" | |
| | 14,790 lbs. | ≤ 28'-0" | 12'-0" | W21x166 | W21x132 | 15'-0" | 4'-0" | 48'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 30" | |
| | 16,900 lbs. | ≤ 32'-0" | 12'-0" | W21x182 | W21x166 | 16'-0" | 4'-0" | 49'-0" | 2 1/4" | 30" | 36" | CIP | (6) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 36" | |
| | 19,010 lbs. | ≤ 36'-0" | 12'-0" | W21x223 | W21x201 | 18'-0" | 4'-0" | 52'-0" | 3" | 30" | 42" | CIP | (10) - 2" Ø | F1554 - GR.105 | 4" | 2 1/2" | 36" | |



FOUR COLUMN SCOREBOARD INSTALLATION



Concrete Reinforcing Splices (A)(2)

| Bar Size | Class A (3) Splice | Class B (3) Splice | f _y (ksi) |
|----------|--------------------|--------------------|----------------------|
| #3 | 16" | 20" | 40 ksi |
| #4 | 21" | 27" | 60 ksi |
| #5 | 40" | 51" | 60 ksi |
| #6 | 47" | 61" | 60 ksi |
| #7 | 63" | 81" | 60 ksi |
| #8 | 72" | 90" | 60 ksi |
| #9 | 81" | 100" | 60 ksi |
| #10 | 81" | 118" | 60 ksi |

Dimension of Standard Hooks and Bends

| Bar Size | D | A | (14A) | C (12A) |
|----------|----------|-----|--------|---------|
| #3 | 2 1/2" Ø | 3" | 2 1/2" | 4 1/2" |
| #4 | 3" Ø | 4" | 2 1/2" | 6" |
| #5 | 3 1/2" Ø | 5" | 2 1/2" | 7 1/2" |
| #6 | 4 1/2" Ø | 6" | 3" | 9" |
| #7 | 5 1/2" Ø | 7" | 3 1/2" | 10 1/2" |
| #8 | 6" Ø | 8" | 4" | 12" |
| #9 | 6 1/2" Ø | 9" | 4 1/2" | 13 1/2" |
| #10 | 7" Ø | 10" | 5" | 15" |

Dimension of Standard Bends

| Bar Size | D | E | (6A) | (3) |
|----------|----------|--------|--------|--------|
| #3 | 1 1/2" Ø | 3" | 3" | 3" |
| #4 | 2" Ø | 3" | 3" | 3" |
| #5 | 2 1/2" Ø | 3 1/2" | 3 1/2" | 3 1/2" |

APPLICATION# 02-122089

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122089 INC.
REVIEWED FOR
SS FLS ACS
DATE: 4/3/2024

SSG
structural engineers

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. RANCO
No. 5465
STRUCTURAL
STATE OF CALIFORNIA
08.09.2023

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APP: 04-122377 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2024

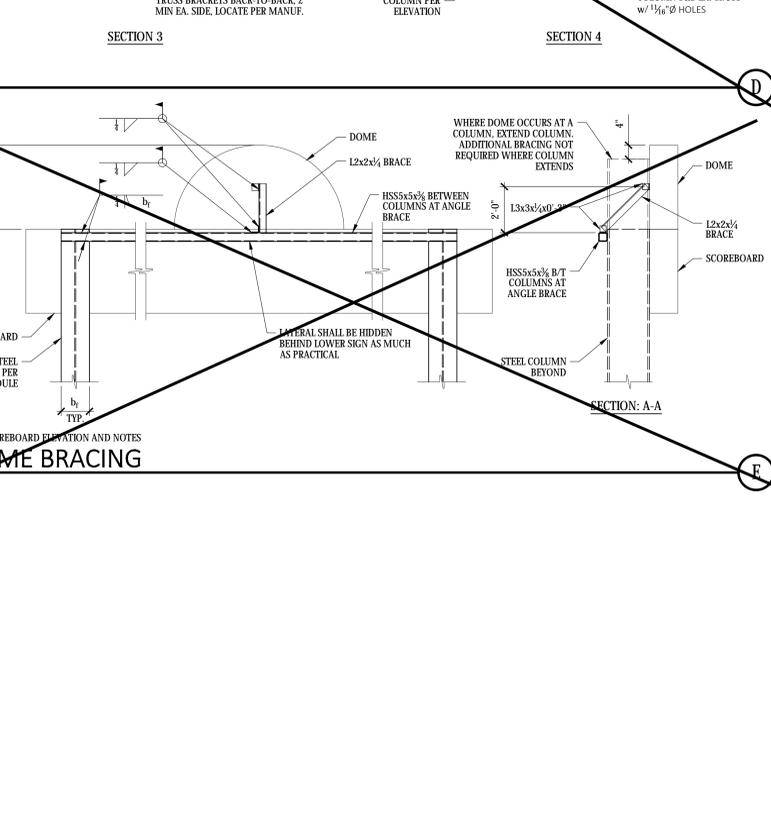
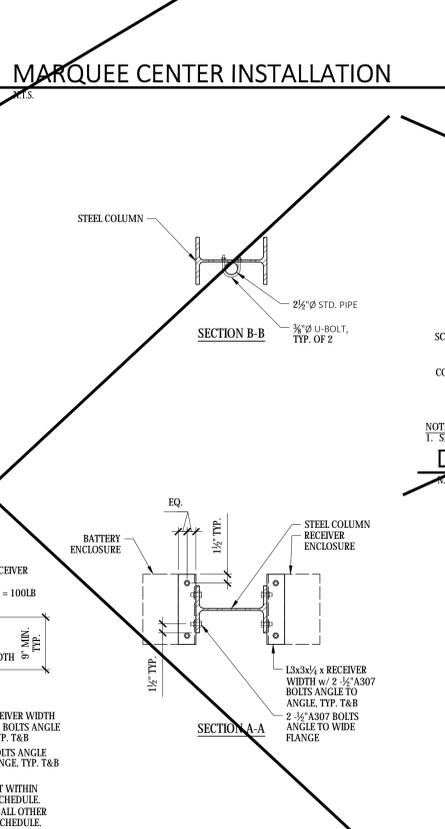
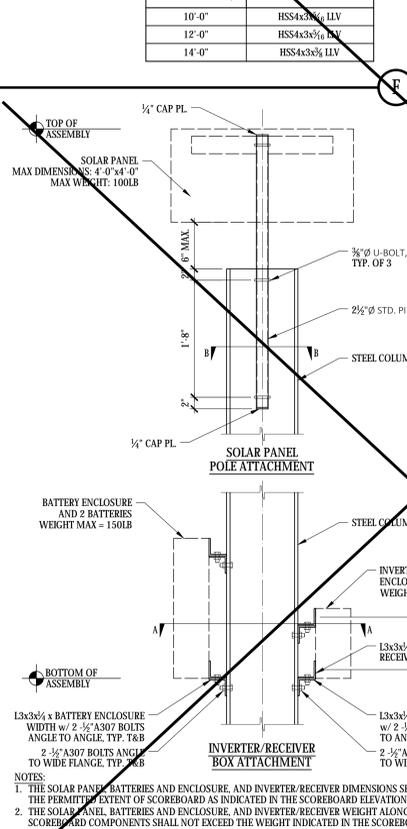
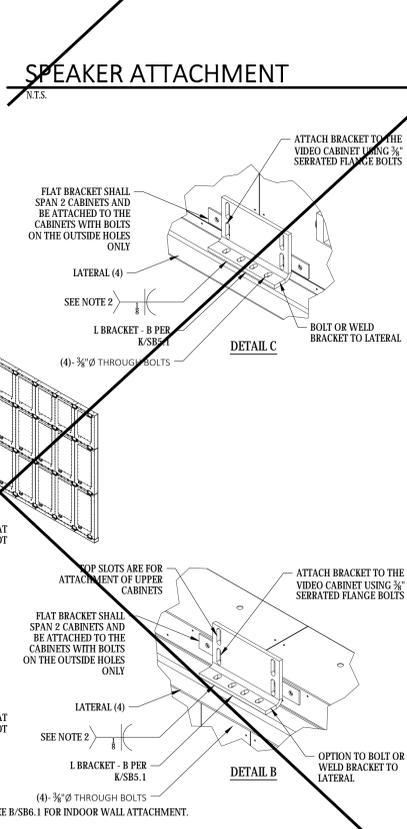
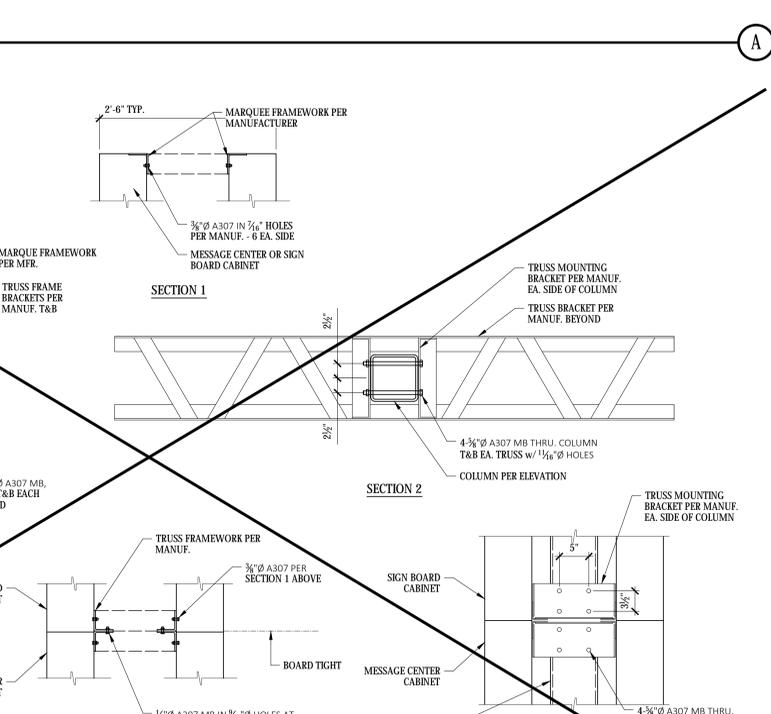
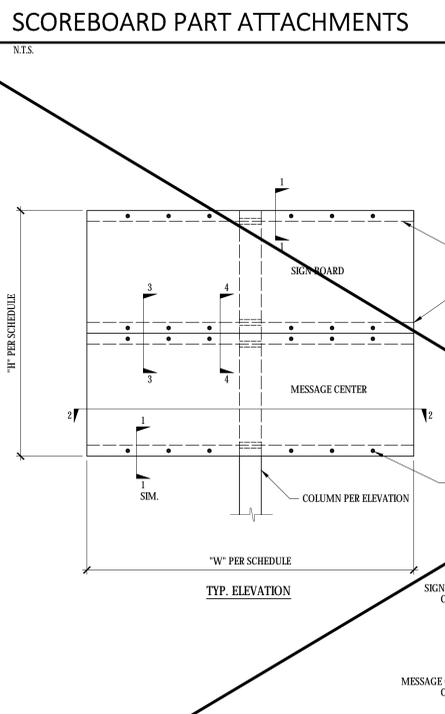
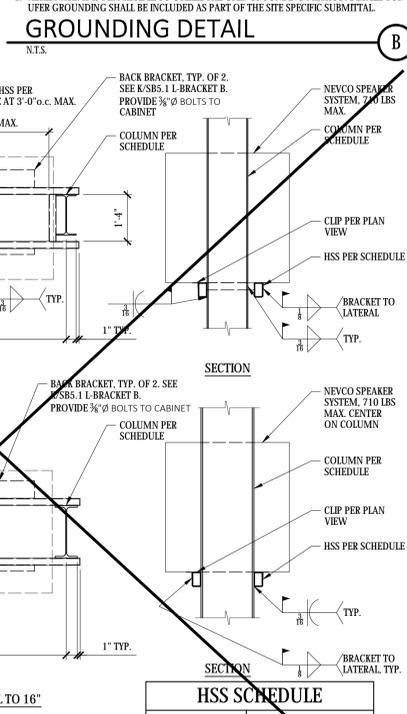
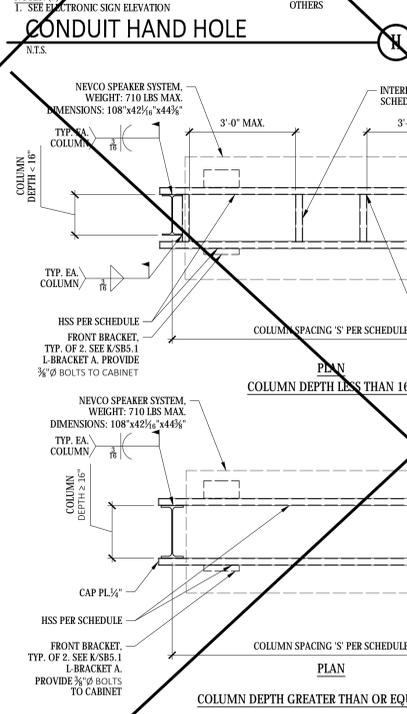
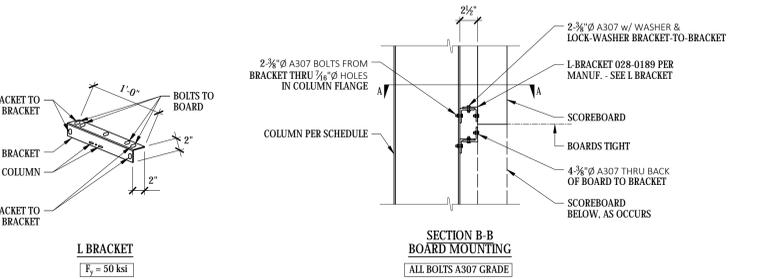
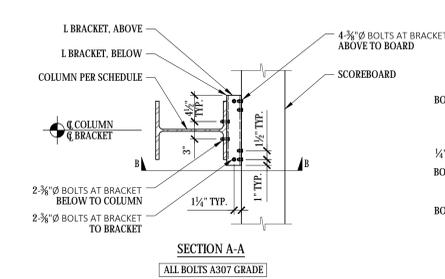
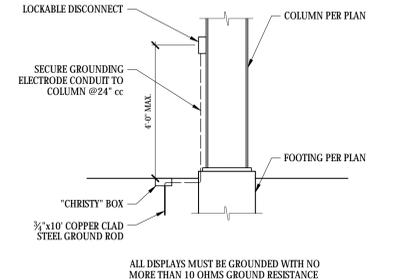
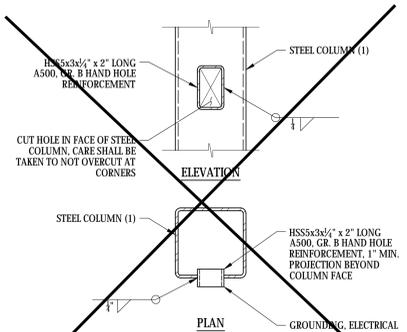
PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. RANCO
No. 52386
EXPIRES 08/31/2025
STRUCTURAL
STATE OF CALIFORNIA

FOUR COLUMN MAT FOOTING

SHEET INFORMATION
DATE: 08.09.2023
DRAWN: JMK
CHECKED: MEP
SSG JOB #: S23109
SHEET: **SB4.3**



APPLICATION# 02-122089

IDENTIFICATION STAMP
APP: 02-122089 INC.
REVIEWED FOR
DATE: 4/3/2024

SSG structural engineers

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA
No. 5485
EXPIRES 08.09.2023

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DIV. OF THE STATE ARCHITECT
APP: 04-12237 PC
REVIEWED FOR
DATE: 09/20/2023

PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

REGISTERED PROFESSIONAL ENGINEER
CALIFORNIA
NO. 52386
EXPIRES 03-31-2025
STRUCTURAL
STATE OF CALIFORNIA

ATTACHMENT DETAILS

SHEET INFORMATION

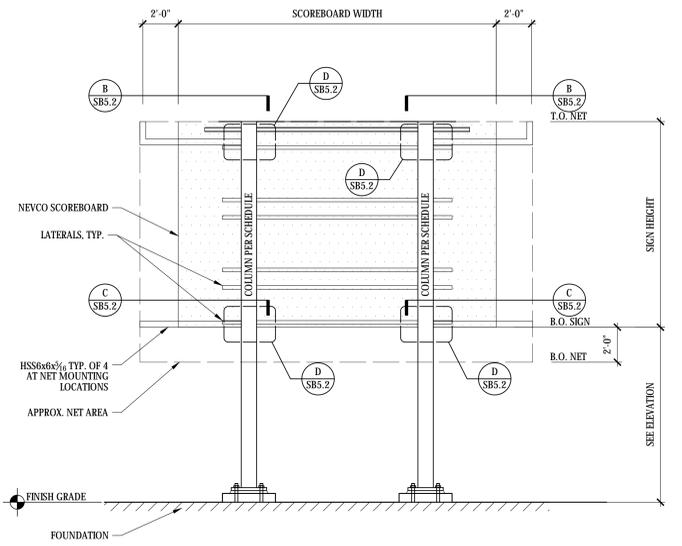
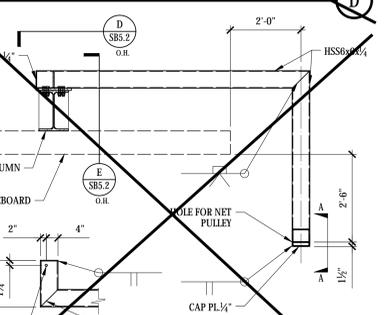
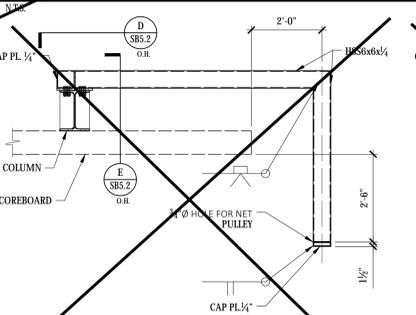
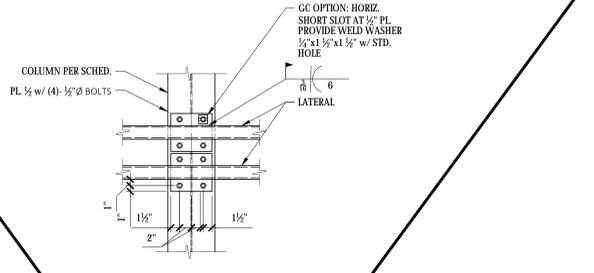
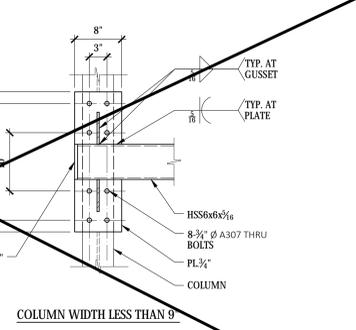
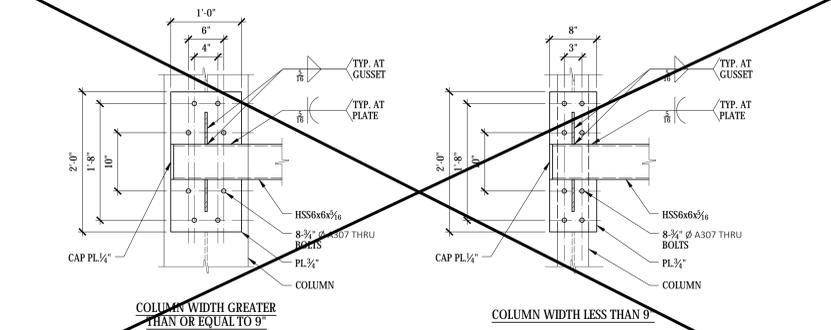
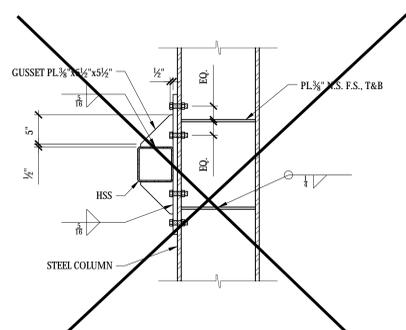
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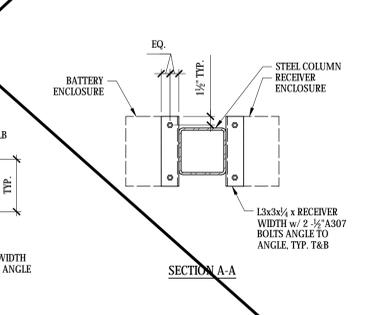
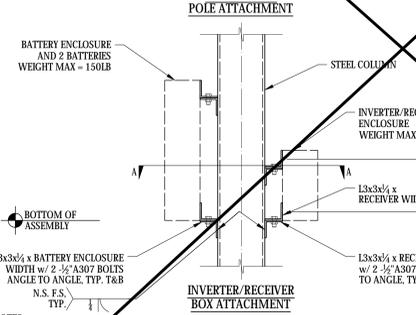
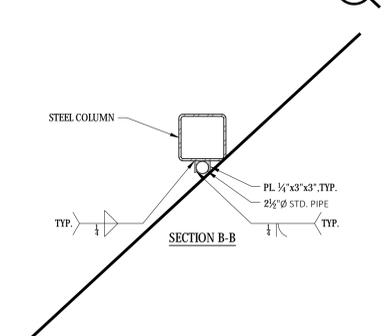
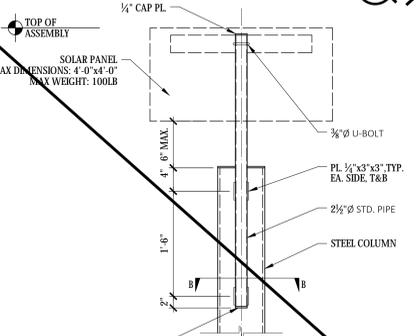
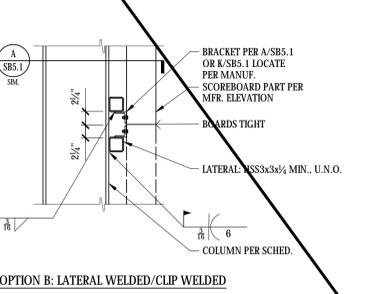
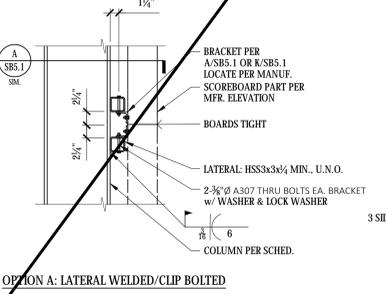
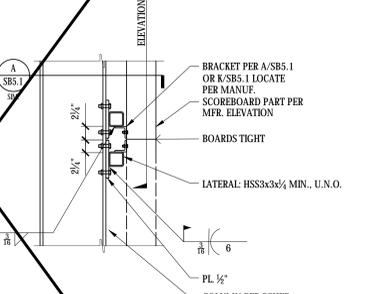
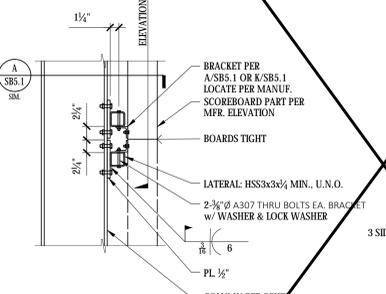
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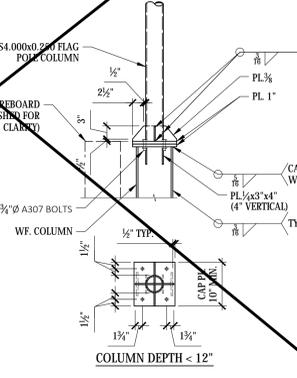
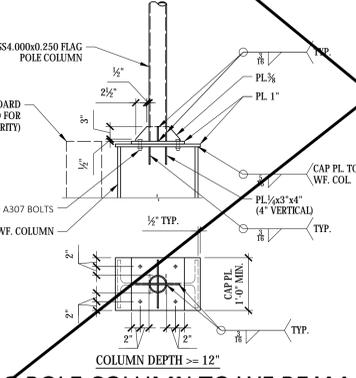
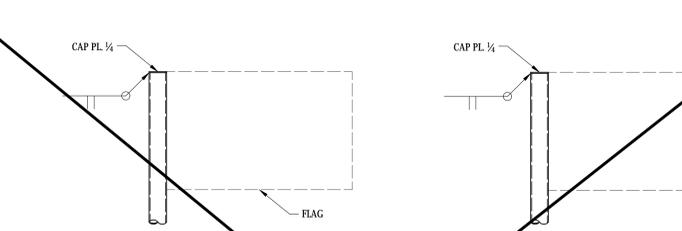
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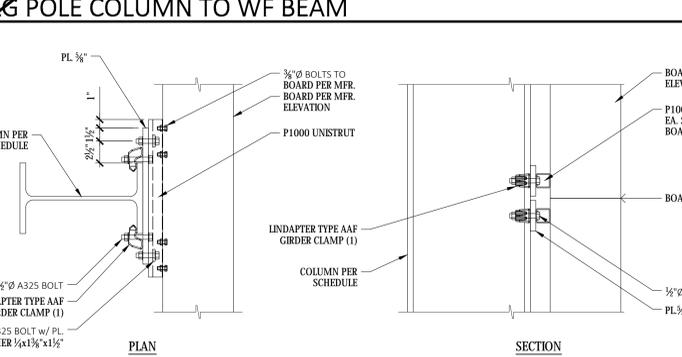
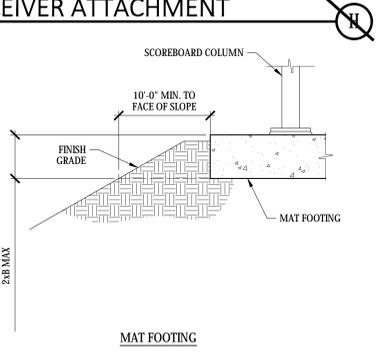
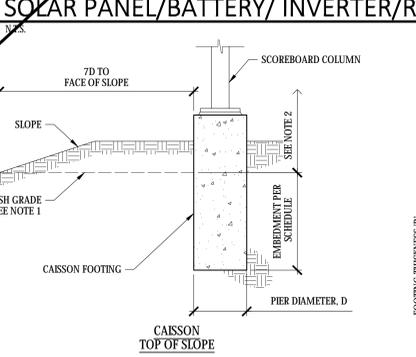
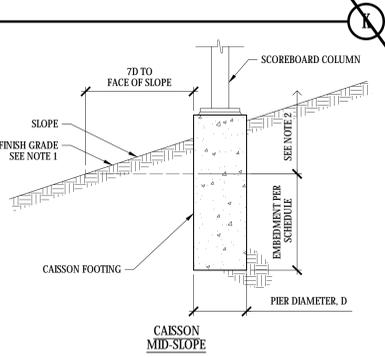
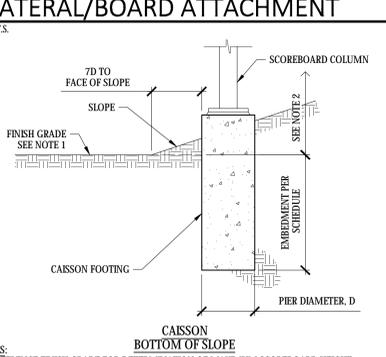
NOTES:
1. ELEVATION SHOWN WITH TWO COLUMNS FOR GRAPHICAL PURPOSES. NET SUPPORT DETAILS APPLICABLE TO TWO, THREE, AND FOUR COLUMN ASSEMBLIES.



NOTES:
1. THE SOLAR PANEL, BATTERIES AND ENCLOSURE, AND INVERTER/RECEIVER DIMENSIONS SHALL FIT WITHIN THE PERMITTED ELEVATION OF SIGN AS INDICATED IN THE MARQUEE ELEVATION AND SCHEDULE.
2. THE SOLAR PANEL, BATTERIES AND ENCLOSURE, AND INVERTER/RECEIVER WEIGHT ALONG WITH ALL OTHER SIGN COMPONENTS SHALL NOT EXCEED THE WEIGHT INDICATED IN THE MARQUEE SCHEDULE.



NOTES:
1. FLAG POLE COLUMN TO WF BEAM ATTACHMENT SHALL BE INSTALLED PER ICC ESR-3976.



NOTES: (H)
1. LAAR050 CLAMP WITH ROCKING WASHER - INSTALL PER ICC ESR-3976.

NOTES:
1. REFERENCE FINISH GRADE FOR DETERMINATION OF MAXIMUM SCOREBOARD HEIGHT.
2. SEE TYPICAL SCOREBOARD INSTALLATION DETAIL FOR MAXIMUM ASSEMBLY HEIGHT AND CLEARANCE TO BOTTOM OF SCOREBOARD.

DISTANCE TO SLOPE
N.T.S.

APPLICATION# 02-122089
IDENTIFICATION STAMP
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SSG structural engineers

PROFESSIONAL ENGINEER
MICHAEL E. FAY
No. 5485
STATE OF CALIFORNIA
08.09.2023

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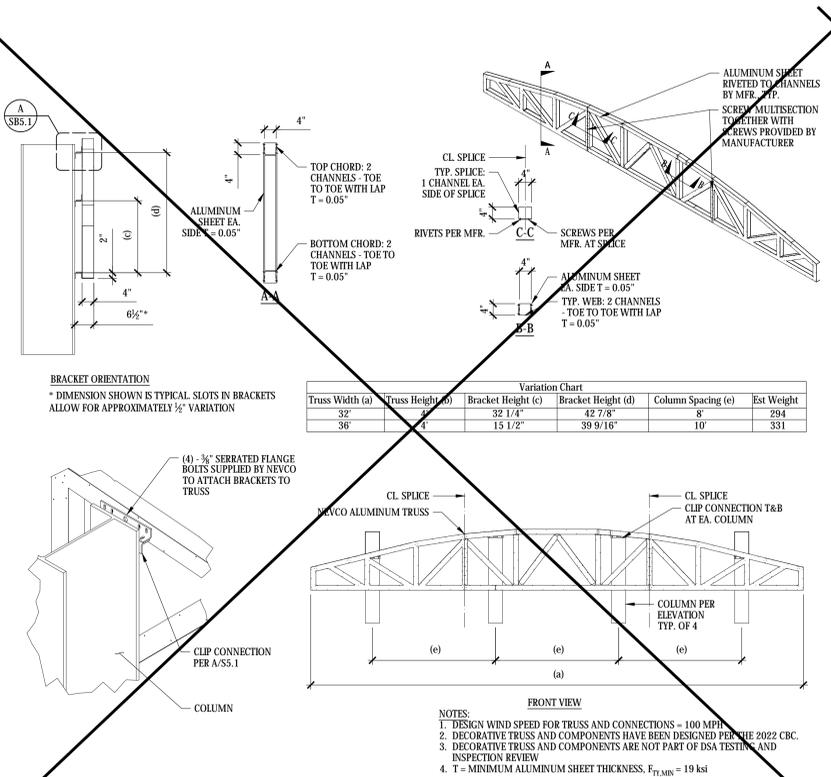
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APP: 04-122377 PC
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DATE: 09/20/2022

PRE-CHECK (PC) DOCUMENT CODE: 2022
A separate project application for construction is required.

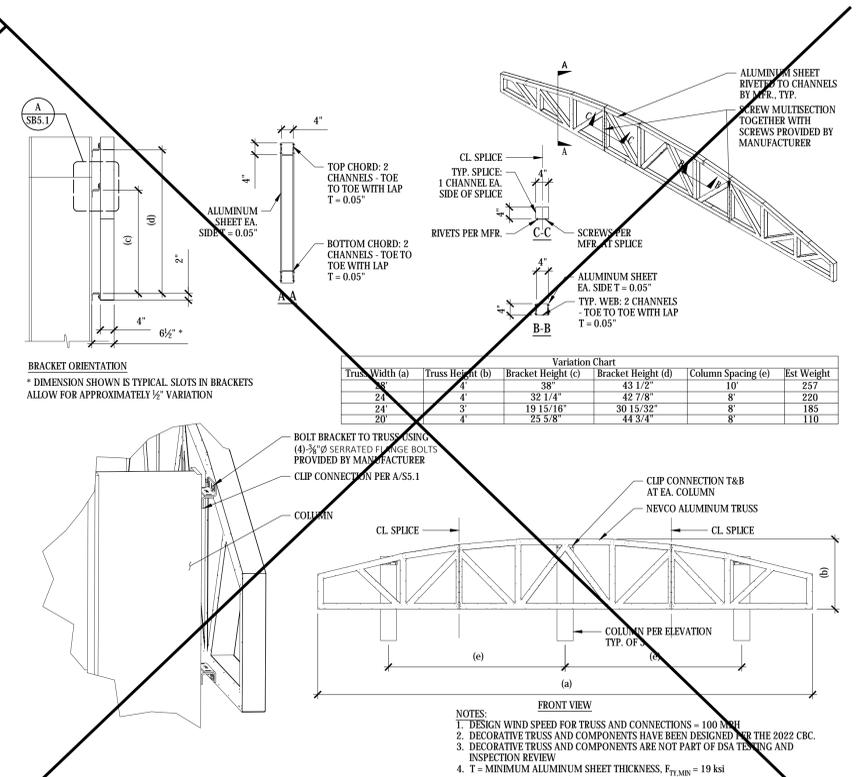
PROFESSIONAL ENGINEER
CAYLOR R. RANNEY
No. 52386
EXPIRES 03/31/2025
STATE OF CALIFORNIA
08/27/2024

OPTIONAL SCOREBOARD FEATURE ATTACHMENT DETAILS

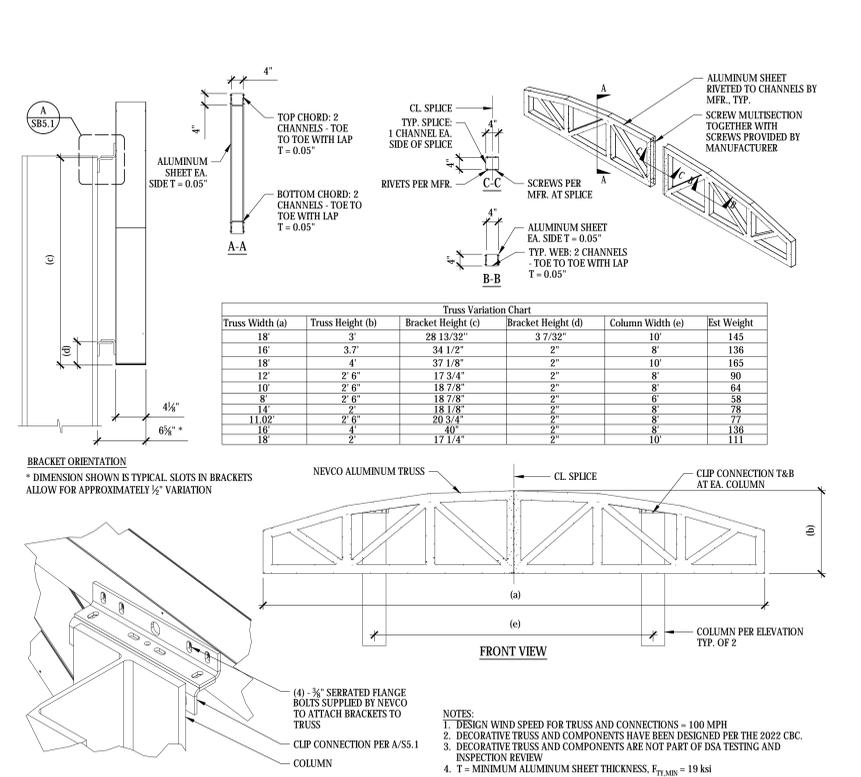
SHEET INFORMATION
DATE: 08.09.2023
DRAWN: JMK
CHECKED: MEP
SSG JOB #: S23109
SHEET: SB5.2



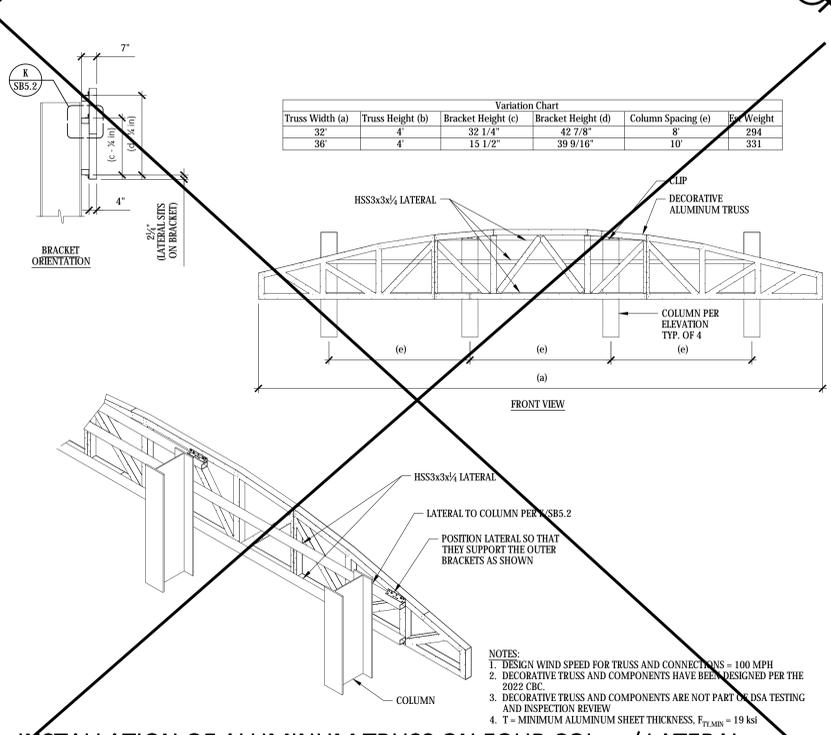
INSTALLATION OF ALUMINUM TRUSS ON FOUR COLUMNS



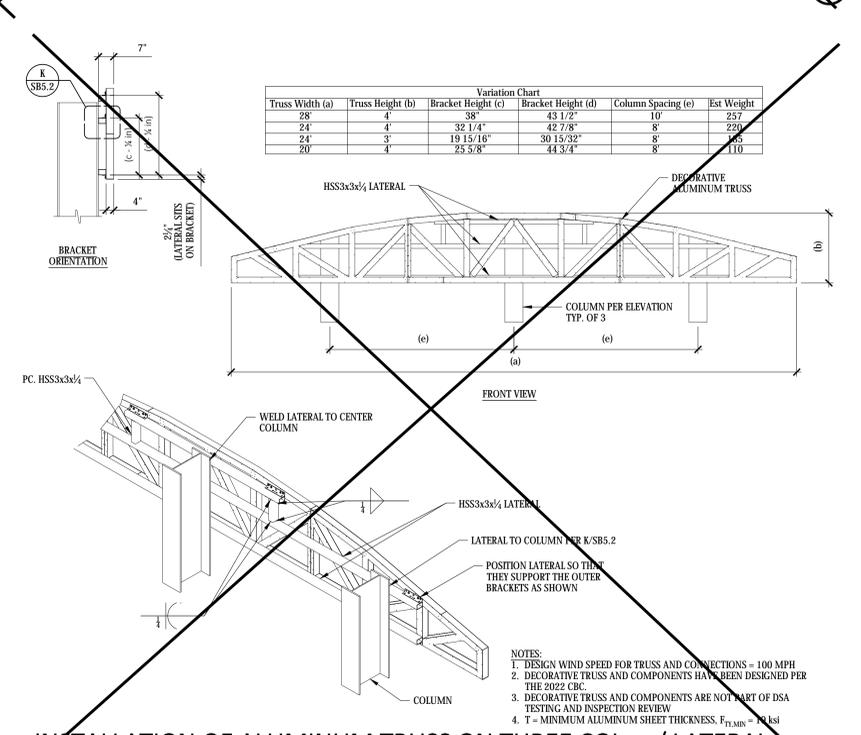
INSTALLATION OF ALUMINUM TRUSS ON THREE COLUMNS



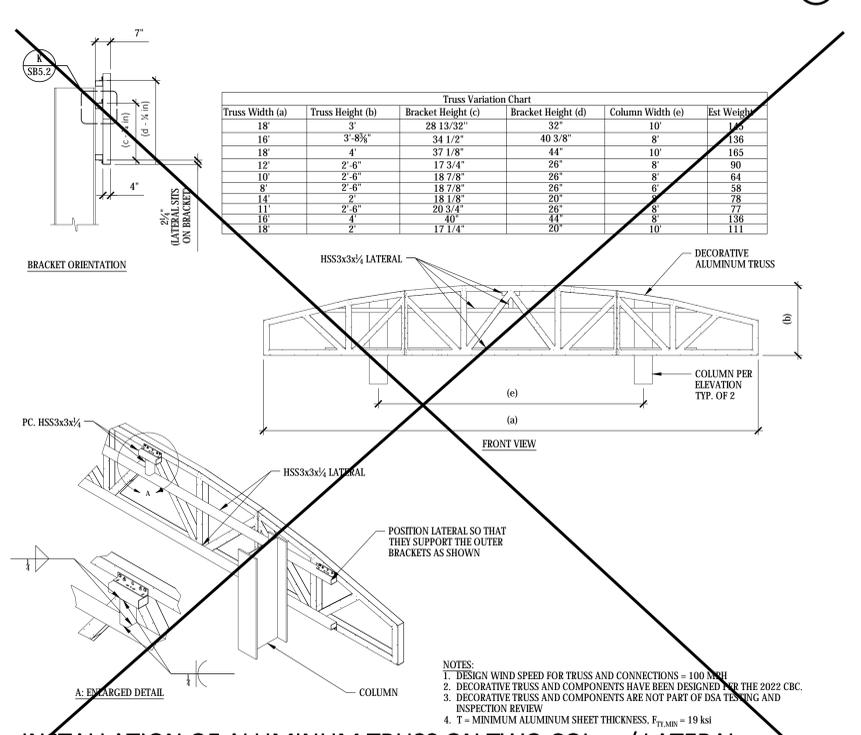
INSTALLATION OF ALUMINUM TRUSS ON TWO COLUMNS



INSTALLATION OF ALUMINUM TRUSS ON FOUR COL. w/ LATERAL



INSTALLATION OF ALUMINUM TRUSS ON THREE COL. w/ LATERAL



INSTALLATION OF ALUMINUM TRUSS ON TWO COL. w/ LATERAL

APPLICATION# 02-122089

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122089 INC.
REVIEWED FOR
SS FLS ACS
DATE: 4/3/2024

SSG
structural engineers

PROFESSIONAL ENGINEER
MICHAEL E. FAY
No. 5485
STATE OF CALIFORNIA
REGISTERED 08.09.2023

PC SEOR REAL

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NEVCO

301 East Harris Avenue, Greenville, Illinois 62246
Phone: (618) 664-0960
www.nevco.com

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122377 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2023

PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

PROFESSIONAL ENGINEER
RAYMOND R. RANCO
No. 52386
STATE OF CALIFORNIA
REGISTERED 03/27/2007

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122377 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/20/2023

PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS

SHEET INFORMATION
DATE: 08.09.2023
DRAWN: JMK
CHECKED: MEP
SSG JOB #: S23109
SHEET: SB5.3

DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS

SHEET INFORMATION
DATE: 08.09.2023
DRAWN: JMK
CHECKED: MEP
SSG JOB #: S23109
SHEET: SB5.3

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NEVCO

301 East Harris Avenue, Greenville, Illinois 62246
 Phone: (618) 664-0980
 www.nevco.com

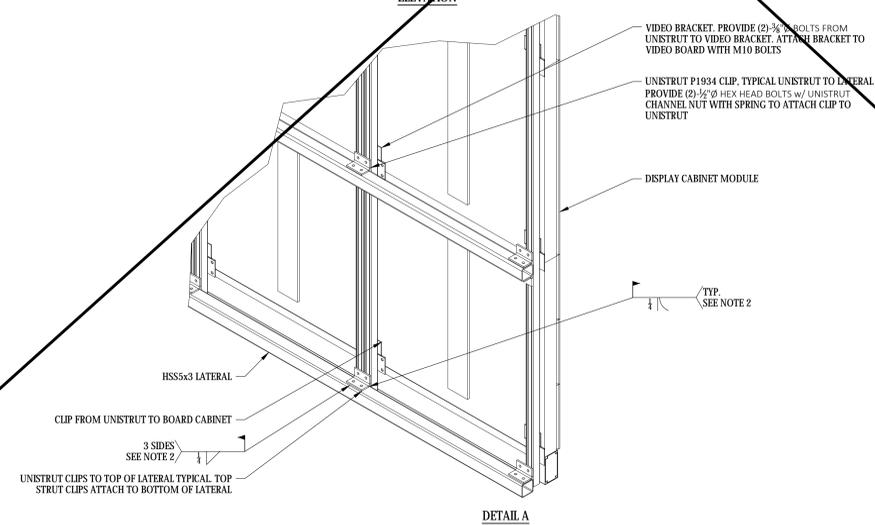
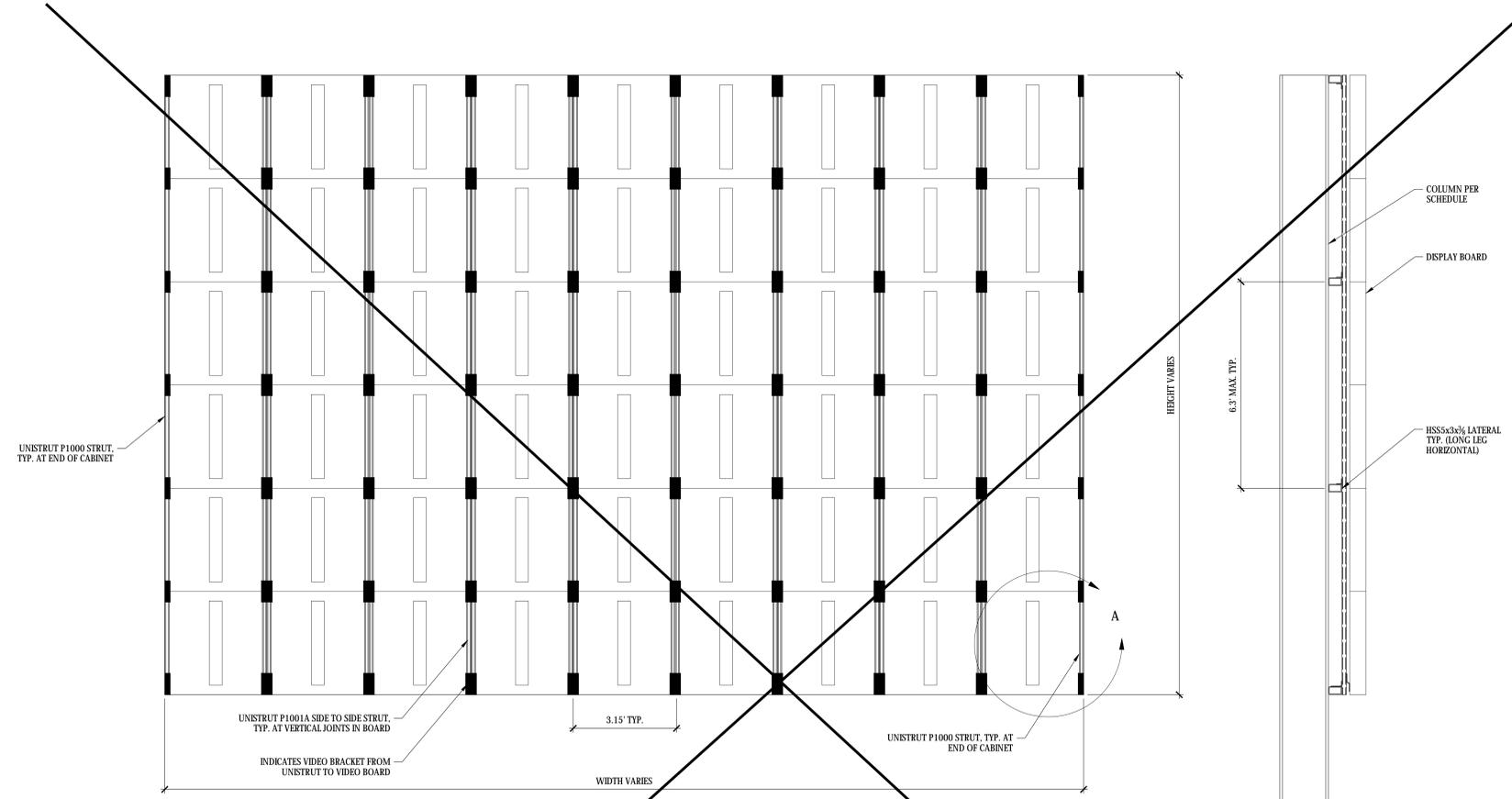
PRE-CHECK (PC) DOCUMENT
 CODE: 2022

A separate project application for construction is required.

REGISTERED PROFESSIONAL ENGINEER
 MICHAEL E. RAYMOND
 No. 52386
 EXPIRES 08.09.2023
 STRUCTURAL
 STATE OF CALIFORNIA

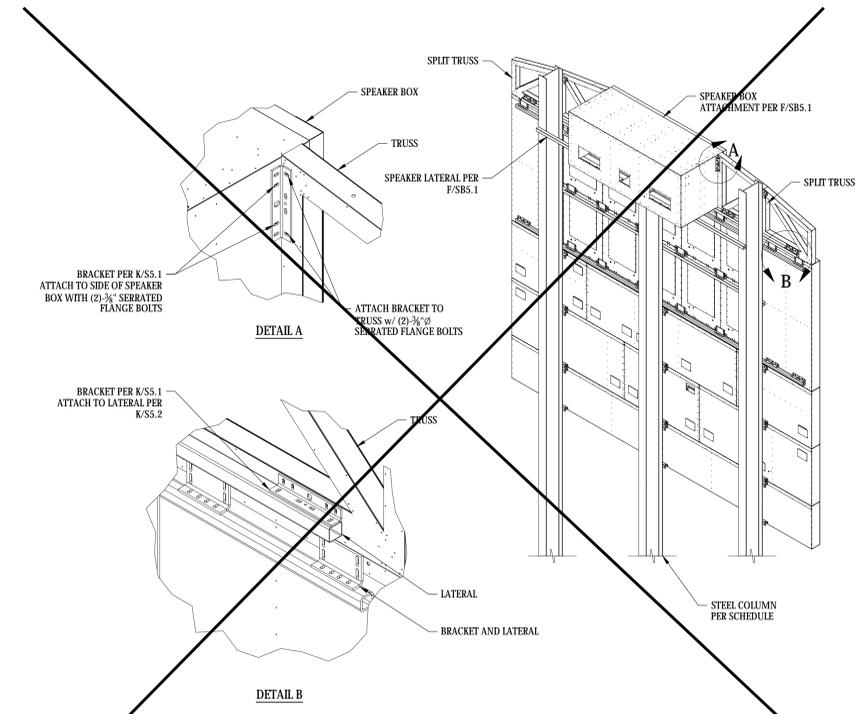
ALUMINUM TRUSS ATTACHMENT DETAILS & 10mm VIDEO DISPLAY SUPPORT

| | |
|-----------|--------------|
| DATE | 08.09.2023 |
| DRAWN | JMK |
| CHECKED | MEP |
| SSG JOB # | S23109 |
| SHEET | SB5.4 |



NOTES: (0)
 1. DESIGN OF SUPPORTS AND CONNECTIONS IS BASED ON A VIDEO DISPLAY WITH A WEIGHT OF 8 LB/SQ. FT. TO DETERMINE TOTAL VIDEO DISPLAY WEIGHT CONTACT NEVCO SCOREBOARDS
 2. ALTERNATE OPTION TO BOLT CLIP TO LATERAL WITH 1/2" DIAMETER THROUGH BOLTS IN LIEU OF WELD

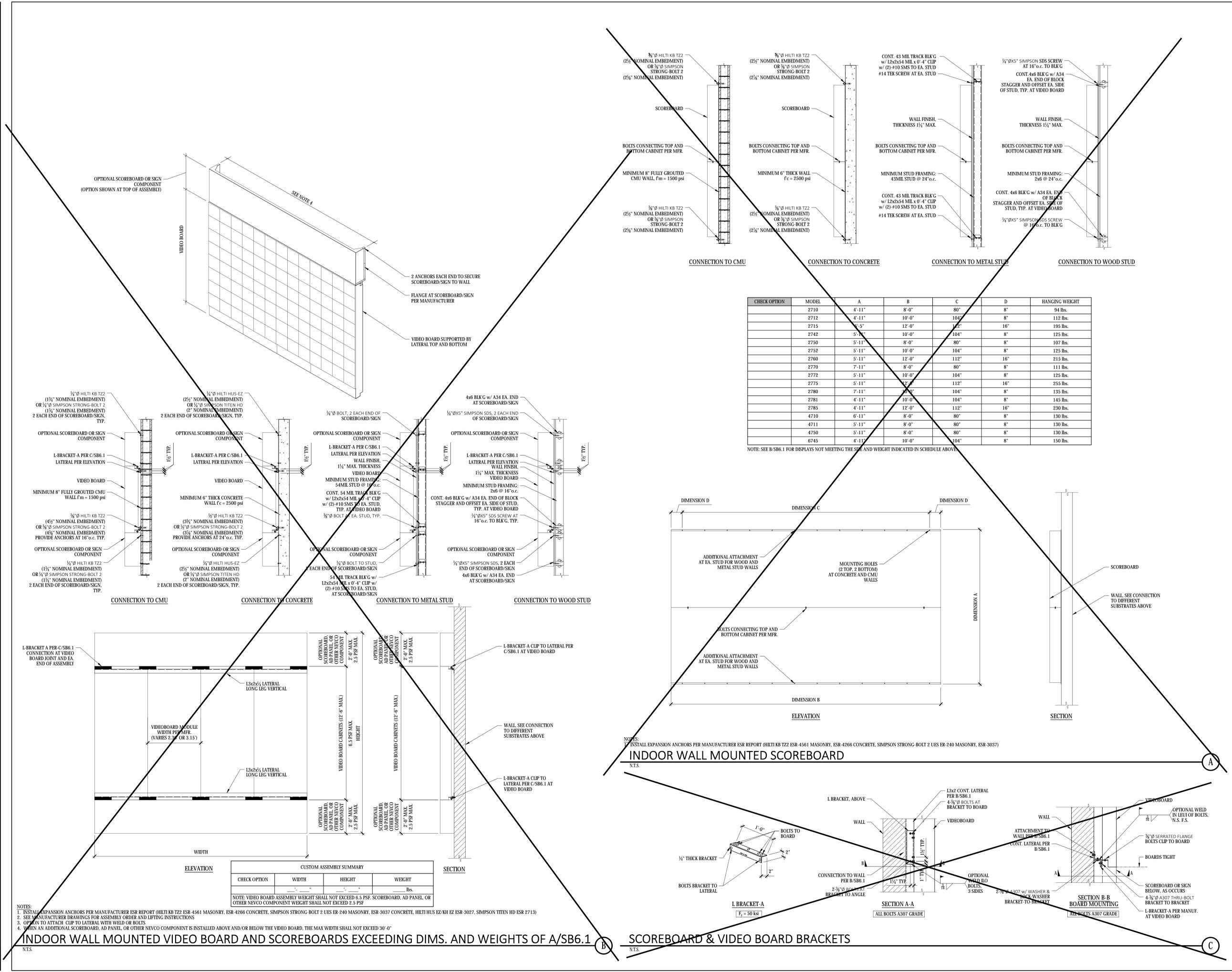
10mm VIDEO DISPLAY SUPPORT



NOTES:
 1. DETAIL IS APPLICABLE TO 3 COLUMN AND 4 COLUMN ASSEMBLIES

SPLIT DECORATIVE TRUSS FLANKING SPEAKER BOX

THESE DRAWINGS, NOTES AND DETAILS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF SSG STRUCTURAL ENGINEERS. ALL DRAWINGS, INFORMATION, SPECIFICATIONS, FEAS, RENDERS AND AMENDMENTS REPRESENTED WITHIN THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF THE ENGINEER. NO PART THEREOF SHALL BE COPIED, REPRODUCED OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THAT SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ENGINEER. CONTACT: 619.664.0980



| CHECK OPTION | MODEL | A | B | C | D | HANGING WEIGHT |
|--------------|-------|--------|--------|------|-----|----------------|
| | 2710 | 4'-11" | 8'-0" | 80" | 8" | 94 lbs. |
| | 2712 | 4'-11" | 10'-0" | 104" | 8" | 112 lbs. |
| | 2715 | 4'-5" | 12'-0" | 120" | 16" | 195 lbs. |
| | 2742 | 5'-11" | 10'-0" | 104" | 8" | 125 lbs. |
| | 2750 | 5'-11" | 8'-0" | 80" | 8" | 107 lbs. |
| | 2752 | 5'-11" | 10'-0" | 104" | 8" | 125 lbs. |
| | 2760 | 5'-11" | 12'-0" | 112" | 16" | 215 lbs. |
| | 2770 | 7'-11" | 8'-0" | 80" | 8" | 111 lbs. |
| | 2772 | 5'-11" | 10'-0" | 104" | 8" | 125 lbs. |
| | 2775 | 5'-11" | 12'-0" | 112" | 16" | 255 lbs. |
| | 2780 | 7'-11" | 10'-0" | 104" | 8" | 135 lbs. |
| | 2781 | 4'-11" | 10'-0" | 104" | 8" | 145 lbs. |
| | 2785 | 4'-11" | 12'-0" | 112" | 16" | 230 lbs. |
| | 4710 | 6'-11" | 8'-0" | 80" | 8" | 130 lbs. |
| | 4711 | 5'-11" | 8'-0" | 80" | 8" | 130 lbs. |
| | 4750 | 5'-11" | 8'-0" | 80" | 8" | 130 lbs. |
| | 6745 | 4'-11" | 10'-0" | 104" | 8" | 150 lbs. |

NOTE: SEE B/SB6.1 FOR DISPLAYS NOT MEETING THE SIZE AND WEIGHT INDICATED IN SCHEDULE ABOVE.

INDOOR WALL MOUNTED SCOREBOARD

NOTES:
1. INSTALL EXPANSION ANCHORS PER MANUFACTURER ESR REPORT (HILTI KB T22 ESR-4561 MASONRY, ESR-4266 CONCRETE, SIMPSON STRONG-BOLT 2 UES ER-240 MASONRY, ESR-3037)
2. SEE MANUFACTURER DRAWINGS FOR ASSEMBLY ORDER AND LIFTING INSTRUCTIONS
3. OPTION TO ATTACH CLIP TO LATERAL WITH WELD OR BOLTS
4. WHEN AN ADDITIONAL SCOREBOARD, AD PANEL, OR OTHER NEVCO COMPONENT IS INSTALLED ABOVE AND/OR BELOW THE VIDEO BOARD, THE MAX WIDTH SHALL NOT EXCEED 30'-0"

SCOREBOARD & VIDEO BOARD BRACKETS

NOTES:
1. INSTALL EXPANSION ANCHORS PER MANUFACTURER ESR REPORT (HILTI KB T22 ESR-4561 MASONRY, ESR-4266 CONCRETE, SIMPSON STRONG-BOLT 2 UES ER-240 MASONRY, ESR-3037)
2. SEE MANUFACTURER DRAWINGS FOR ASSEMBLY ORDER AND LIFTING INSTRUCTIONS
3. OPTION TO ATTACH CLIP TO LATERAL WITH WELD OR BOLTS
4. WHEN AN ADDITIONAL SCOREBOARD, AD PANEL, OR OTHER NEVCO COMPONENT IS INSTALLED ABOVE AND/OR BELOW THE VIDEO BOARD, THE MAX WIDTH SHALL NOT EXCEED 30'-0"

CUSTOM ASSEMBLY SUMMARY

| CHECK OPTION | WIDTH | HEIGHT | WEIGHT |
|--------------|-------|--------|--------|
| | | | lbs. |

NOTE: VIDEO BOARD ASSEMBLY WEIGHT SHALL NOT EXCEED 6.5 PSF. SCOREBOARD, AD PANEL, OR OTHER NEVCO COMPONENT WEIGHT SHALL NOT EXCEED 2.5 PSF

NOTES:
1. INSTALL EXPANSION ANCHORS PER MANUFACTURER ESR REPORT (HILTI KB T22 ESR-4561 MASONRY, ESR-4266 CONCRETE, SIMPSON STRONG-BOLT 2 UES ER-240 MASONRY, ESR-3037 CONCRETE, HILTI HUS EZ/HR EZ ESR-3027, SIMPSON TITEN HD ESR 2713)
2. SEE MANUFACTURER DRAWINGS FOR ASSEMBLY ORDER AND LIFTING INSTRUCTIONS
3. OPTION TO ATTACH CLIP TO LATERAL WITH WELD OR BOLTS
4. WHEN AN ADDITIONAL SCOREBOARD, AD PANEL, OR OTHER NEVCO COMPONENT IS INSTALLED ABOVE AND/OR BELOW THE VIDEO BOARD, THE MAX WIDTH SHALL NOT EXCEED 30'-0"

INDOOR WALL MOUNTED VIDEO BOARD AND SCOREBOARDS EXCEEDING DIMS. AND WEIGHTS OF A/SB6.1

NOTES:
1. INSTALL EXPANSION ANCHORS PER MANUFACTURER ESR REPORT (HILTI KB T22 ESR-4561 MASONRY, ESR-4266 CONCRETE, SIMPSON STRONG-BOLT 2 UES ER-240 MASONRY, ESR-3037)
2. SEE MANUFACTURER DRAWINGS FOR ASSEMBLY ORDER AND LIFTING INSTRUCTIONS
3. OPTION TO ATTACH CLIP TO LATERAL WITH WELD OR BOLTS
4. WHEN AN ADDITIONAL SCOREBOARD, AD PANEL, OR OTHER NEVCO COMPONENT IS INSTALLED ABOVE AND/OR BELOW THE VIDEO BOARD, THE MAX WIDTH SHALL NOT EXCEED 30'-0"

ELECTRICAL EQUIPMENT ANCHORAGE NOTES

- ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTERS 13, 26 AND 30:
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING ELECTRICAL UTILITY SERVICE. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL ELECTRICAL COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION BRACING NOTES

THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16, SECTION 13.3 AS DEFINED IN ASCE 7-16, SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHDP OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

THE ELECTRICAL DISTRIBUTION SYSTEM IS DETAILED ON THE APPROVED DRAWINGS WITH SPECIFIC NOTES AND DETAILS.

ELECTRICAL GENERAL NOTES

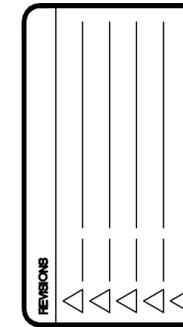
- ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:
CALIFORNIA BUILDING CODE 2022
CALIFORNIA ELECTRICAL CODE 2022
NON RESIDENTIAL CEC ENERGY STANDARDS 2022
- NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
- IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
- THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
- THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
- ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
- ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.
- PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
- ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
- PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP [42" DEEP] WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W [277/480V 3Ø 4W] PER CEC 110.26.
- ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
- CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), SWITCHES AND CONTROLS SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
- ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CBC 11B-307.2, OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CBC 11B-307.4.
- WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN-2 COPPER.
- FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
- COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.
- EXISTING EQUIPMENT TO BE REMOVED AND/OR REPLACED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT OR DISPOSED OF, AT THE DISCRETION OF THE DISTRICT.
- CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
- ALL UNDERGROUND CONDUITS SHALL HAVE MINIMUM 2" COVER. TRENCH PER DETAIL 5E-1. INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE RISERS OCCUR. WRAP GRS BELOW GRADE OR PROVIDE PVC COATED GRS. EXPOSED CONDUIT SHALL BE GRS TO 8'-0", THEN ENT ABOVE AS APPROPRIATE. UNDER NO CIRCUMSTANCE SHALL PVC CONDUIT BE INSTALLED ABOVE GRADE.
- CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. 1" TRADE SIZE.
- INCLUDE ALL WORK REQUIRED TO INVESTIGATE, DEMOLISH, & RECONNECT EXISTING ITEMS.
- ALL LOW VOLTAGE EQUIPMENT SHALL BE DEENERGIZED PRIOR TO DEMO WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO LIVE EQUIPMENT.

ELECTRICAL SYMBOLS

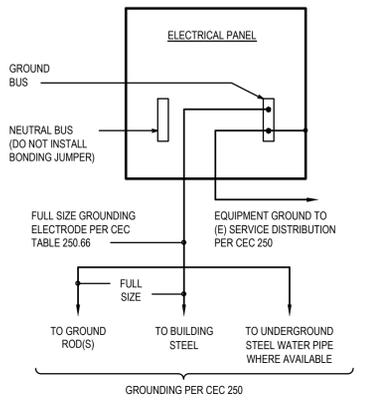
| SYMBOL | DESCRIPTION | NOTES |
|--------|--|---|
| | POLE WITH POST TOP AREA LUMINAIRE | |
| | POLE WITH AREA LUMINAIRE | |
| | RECESSED TROFFER LIGHT FIXTURE | |
| | SURFACE CEILING LIGHT FIXTURE | |
| | RECESSED DOWN LIGHT | |
| | WALL LIGHT | |
| | EXIT SIGN, CEILING | |
| | EXIT SIGN, WALL | AT +80" AFF |
| | EMERGENCY LIGHT FIXTURE | PROVIDE UNSWITCHED HOT CONDUCTOR TO BATTERIES |
| | SWITCHBOARD | REFER TO POWER SINGLE LINE DIAG. |
| | POWER PANEL | REFER TO PANEL SCHEDULE |
| | TERMINAL CABINET | |
| | DISCONNECT SWITCH, FUSIBLE, WP | REFER TO MECH. PLANS & SPECS. |
| | COMBO STARTER/DISCONNECT SWITCH, WP | REFER TO MECH. PLANS & SPECS. |
| | JUNCTION BOX | 4-11/16" SQUARE BOX & COVER PLATE MIN. |
| | MOTOR | REFER TO MECH. PLANS AND SPECS. |
| | DUPLEX CONVENIENCE OUTLET | 20A SPEC. GRADE, NEMA GROUNDED |
| | AT +18" AFF TO CENTER OF BOX, U.O.N. | |
| | QUADPLEX CONVENIENCE OUTLET | 20A SPEC. GRADE, NEMA GROUNDED |
| | AT +18" AFF TO CENTER OF BOX, U.O.N. | |
| | GFI DUPLEX OUTLET | 20A SPEC. GRADE, NEMA GROUNDED |
| | AT +18" AFF TO CENTER OF BOX, U.O.N. | |
| | WP, GFI DUPLEX OUTLET | 20A SPEC. GRADE, NEMA GROUNDED |
| | AT +18" AFF TO CENTER OF BOX, U.O.N. | |
| | DATA OUTLET (RJ-45 CAT6) WITH 2 JACKS | HOMERUN CABLES TO IDF. |
| | AT +18" AFF TO CENTER OF BOX, U.O.N. | |
| | 2 BLUE JACKS & CABLES | |
| | (2) WAP DATA JACKS (RJ-45 CAT6A) MOUNTED IN ATTIC SPACE | HOMERUN CABLES TO IDF. |
| | 2 YELLOW JACKS & CABLES | |
| | WALL MOUNT VOP OUTLET (RJ-45 CAT6) | HOMERUN CABLES TO IDF. |
| | AT +45" AFF TO CENTER OF BOX, U.O.N. | |
| | WALL MOUNT DATA/COMM OUTLET | HOMERUN CABLES TO IDF. |
| | AT +18" AFF TO CENTER OF BOX, U.O.N. | |
| | 2 BLUE AND 1 WHITE JACKS & CABLES | |
| | WIREMOLD 5400 SURFACE WIREWAY | |
| | CEILING MOUNT PA SPEAKER | MATCH EXISTING SYSTEM COMPONENTS |
| | WALL MOUNT PA SPEAKER IN SURFACE ENCLOSURE | MATCH EXISTING SYSTEM COMPONENTS |
| | AUDIOVISUAL INPUT WITH HDMI/VGA/3.5MM AUDIO/USB JACKS AND WALL PLATE | INSTALL CABLES BETWEEN TEACHER STATION AND PROJECTOR. SEE DETAIL 6/E-2. |
| | ANALOG CLOCK, BATTERY POWERED | VERIFY COMPATIBILITY WITH EXISTING SYSTEM |
| | MAIN DISTRIBUTION FRAME (MDF) | SEE SCHOOL DISTRICT STANDARD SPECIFICATIONS |
| | INTERMEDIATE DISTRIBUTION FRAME (IDF) | SEE SCHOOL DISTRICT STANDARD SPECIFICATIONS |
| | P.A. SYSTEM TERMINAL BLOCK | SEE SCHOOL DISTRICT STANDARD SPECIFICATIONS |
| | P.A. SYSTEM HEAD END | SEE SCHOOL DISTRICT STANDARD SPECIFICATIONS |
| | TEL. SYSTEM TERMINAL BLOCK | WHERE EXISTING |
| | TEL. SYSTEM HEAD END | WHERE EXISTING |
| | FIBER OPTIC SPLICE LOCATION | SEE SCHOOL DISTRICT STANDARD SPECIFICATIONS |
| | CAT6 PATCH PANEL | WHERE EXISTING |
| | FIRE ALARM SLC & NAC TERMINAL BLOCKS | LOCATION FOR REFERENCE. SEE F.A. PLANS. |
| | FIRE ALARM EXPANDER PANEL | SEE F.A. PLANS |
| | FIRE ALARM CONTROL PANEL | SEE F.A. PLANS |
| | EMERGENCY VOICE/ALARM COMMUNICATION PANEL | SEE F.A. PLANS |
| | EXISTING WIRING TO REMAIN | |
| | WIRING BELOW GRADE | 3/4" CONDUIT MIN. |
| | WIRING IN WALL OR CEILING | 3/4" CONDUIT MIN. |
| | LOW VOLTAGE WIRING | |
| | CONDUIT RISER | 3/4" CONDUIT MIN. |
| | FLEXIBLE CONDUIT | 3/4" CONDUIT MIN. |
| | CONDUIT STUB AND CAP | 3/4" CONDUIT MIN. |
| | HASH MARKS DENOTES QTY. OF CONDUCTORS | 3/4" CONDUIT MIN. |
| | WIRE SIZE INDICATED, IF OTHER THAN #12 AWG | |
| | HOME RUN (TO PANEL 'A', CIRCUIT '15') | 3/4" CONDUIT MIN. |
| | "EXISTING" | |
| | "UNLESS OTHERWISE NOTED" | |
| | "WEATHERPROOF" / NEMA 3R | |
| | "GROUND FAULT INTERRUPTER" | |

DATE: 12/12/2023

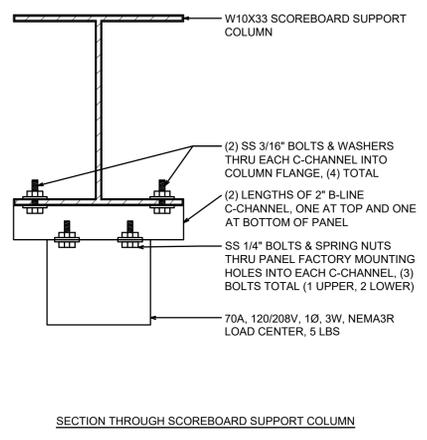
PARTIAL SITE PLAN
MADERA SOUTH HIGH SCHOOL
SOFTBALL SCOREBOARD
MADERA, CA 93637



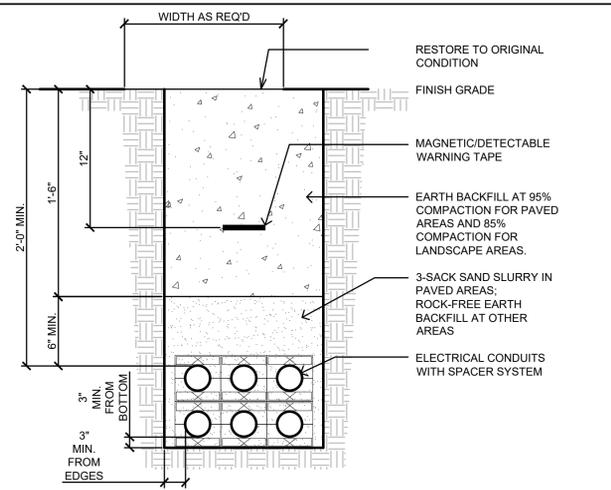
Brooks Ransom Associates
7415 N. PALM AVE. STE 100 | FRESNO, CA 93711
(559) 449-8444 OFFICE | (559) 449-8404 FAX



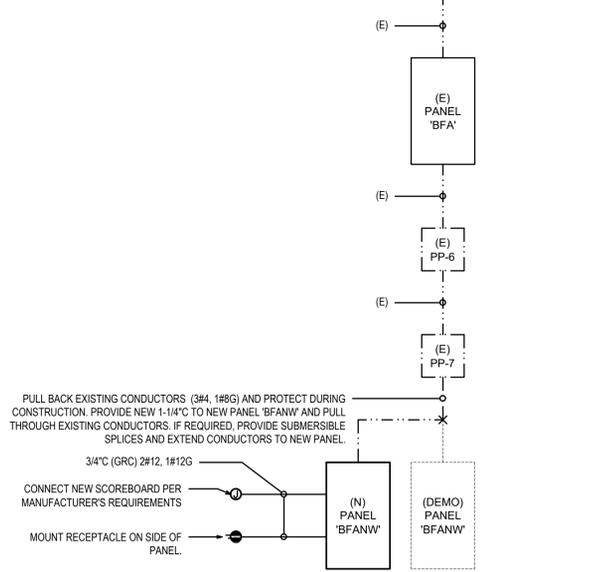
3 Panel Grounding Detail
No Scale



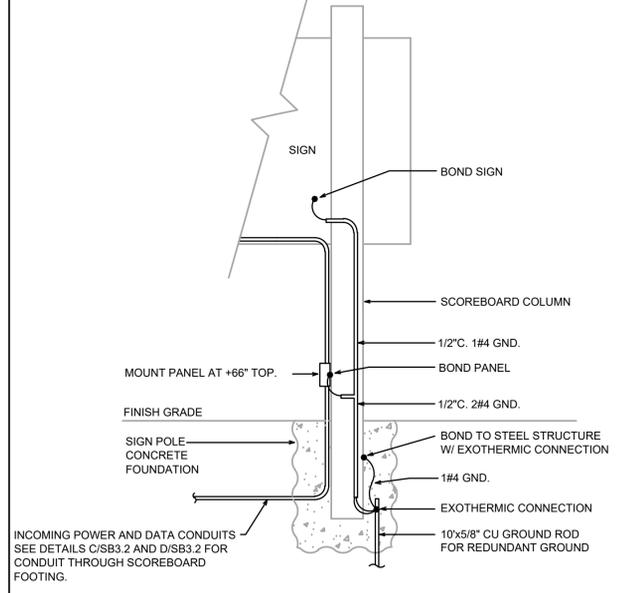
2 Panel Mounting Detail
No Scale



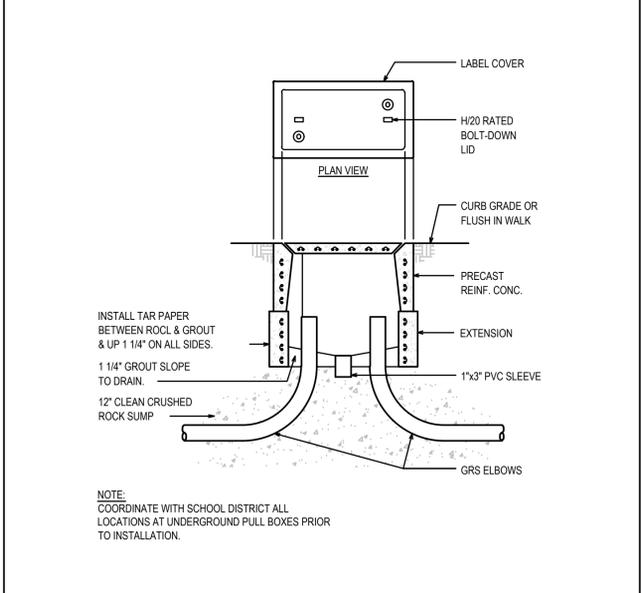
5 Trenching Detail
No Scale



1 Single Line Diagram
No Scale



4 Scoreboard Grounding Detail
No Scale



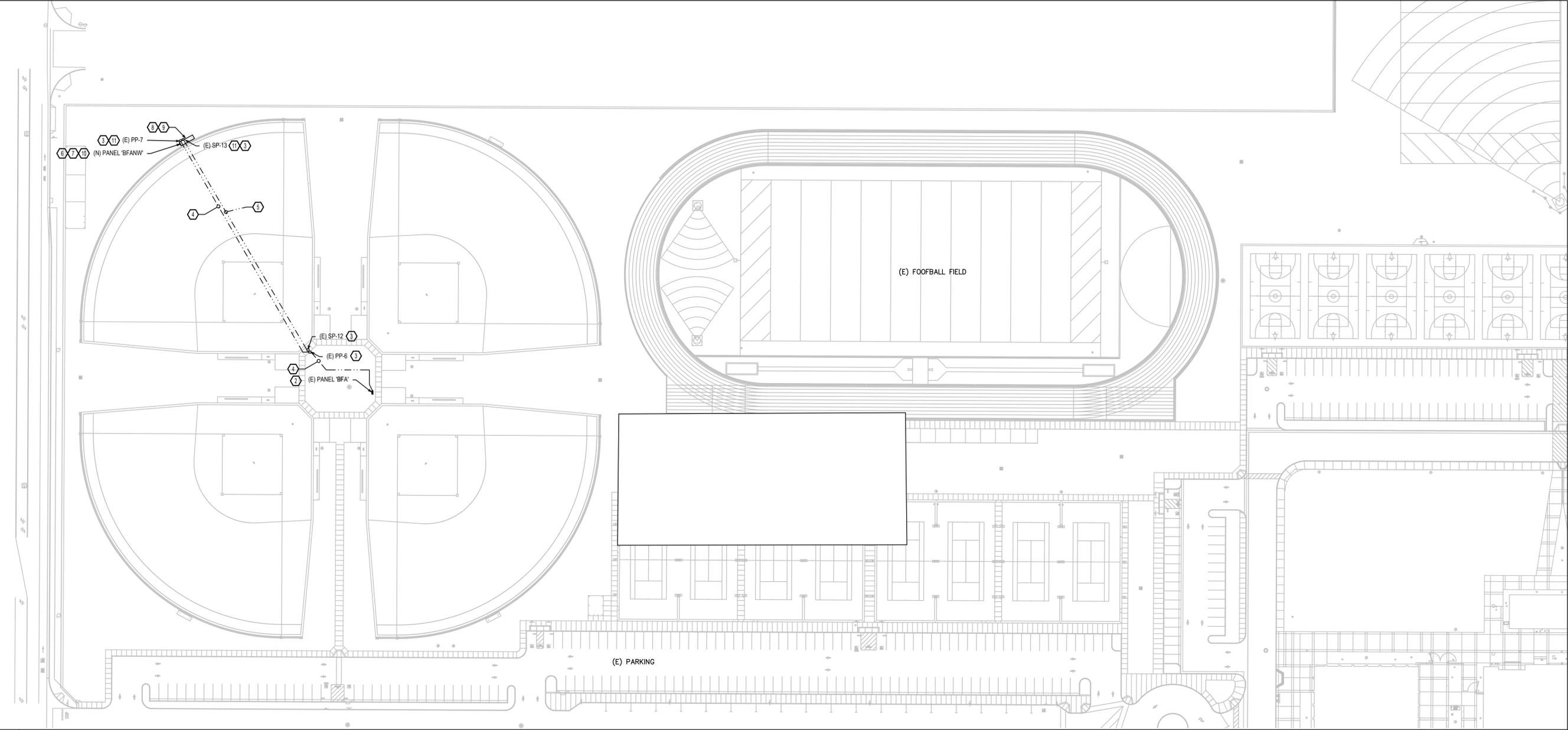
6 Pull Box Detail
No Scale

PROFESSIONAL ENGINEER
CALIFORNIA REGISTERED PROFESSIONAL ENGINEER
NO. 52386 EXPIRES 5-31-26
CAYLOR R. RANSOM
REGISTERED PROFESSIONAL ENGINEER
E17850
SCOTT DAVIDSON
REGISTERED PROFESSIONAL ENGINEER
CALIFORNIA REGISTERED PROFESSIONAL ENGINEER
HARDIN-DAVIDSON ENGINEERING
356 POLLASKY AVE. SUITE 200
CLOVIS, CA 93612
559.323.4995 TEL
559.323.4928 FAX

KEY NOTES

- NOT USED.
- EXISTING PANEL 'BFA' TO REMAIN. 100A, 120/208V, 3Ø, 4W, 10KAIC, NEMA 3R.
- EXISTING PULL BOX TO REMAIN. VERIFY LOCATION IN FIELD.
- EXISTING SCOREBOARD PANEL FEEDER TO REMAIN. 1-1/2" C. 3#4, 1#8G. EXTEND FEEDER IF REQUIRED. PROVIDE SUBMERSIBLE SPLICES.
- EXISTING SCOREBOARD DATA/CONTROL CONDUIT. REPLACE EXISTING CONDUCTORS AS REQUIRED.
- DEMO EXISTING PANEL 'BFANW' FROM STEEL SCOREBOARD SUPPORT COLUMN. DISCONNECT EXISTING FEEDER AND PULL BACK TO PULL BOX PP-7 AND PRESERVE FOR RECONNECTION TO NEW PANEL.
- PROVIDE AND INSTALL NEW LOAD CENTER 'BFANW'. 70A, 4 CKT, 120/208V, 1Ø, 10KAIC, NEMA 3R. SQ.D #QO24L70RB (OR APPROVED EQUAL) PROVIDE (2) 20A/1P CIRCUIT BREAKERS. RECONNECT EXISTING CONDUCTORS. SEE DETAIL 1/E-1, 2/E-1, 3/E-1, 4/E-1, 5/E-1.
- DISCONNECT EXISTING SCOREBOARD POWER AND DATA/CONTROL. REMOVE EXISTING CONDUCTORS AND EXPOSED CONDUIT BACK TO LAST PULL BOX.
- POWER CONNECTION BY SCOREBOARD SUPPLIER. NEVCO MODEL #1609, 120V, 3.9A, 3/4" C. 2#12, 1#12G. SEE DETAIL 4/E-1.
- PROVIDE RECEPTACLE +42", 20A, 120V, GFCI-PROTECTED. WEATHER-RESISTANT RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER. 3/4" C. 2#12, 1#12G. SEE SINGLE LINE DIAGRAM 1/E-1.
- RELOCATE/REPLACE EXISTING PULL BOXES IF REQUIRED. SEE DETAIL 6/E-1. IF REPLACING BOXES, REPLACE WITH LIKE SIZE, H20-RATED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122089 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 4/3/2024



PARTIAL SITE PLAN
MADERA SOUTH HIGH SCHOOL
SOFTBALL SCOREBOARD
MADERA, CA 93637

REVISIONS

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1 PARTIAL ELECTRICAL SITE PLAN

SCALE: 1" = 50'-0"

Hardin-Davidson Engineering
356 Polasky Ave. Suite 200
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559.323.4928 fax

REGISTERED PROFESSIONAL ENGINEER
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SHEET: **E-2**
PROJECT: 23314

18 March 2024 9:23 AM Z:\Clients\BrooksRansom Associates\23134 - Madera USD Scoreboards (MHS, MSHS)\CAD Files\23134 - Madera South Softball - Electrical - V1.dwg jpmldr.may