

SOFTBALL BLEACHER REPLACEMENT PROJECT

SOLANO COMMUNITY COLLEGE DISTRICT
4000 SUISUN VALLEY ROAD, FAIRFIELD, CA 94534

PROJECT NO: 17-003
APPLICATION NO:
SUBMITTAL

OWNER:
SOLANO COMMUNITY COLLEGE DISTRICT
4000 Suisun Valley Road
Fairfield, CA 94534

GENERAL NOTES	LEGEND	PROJECT SCOPE	INDEX	PROJECT DIRECTORY
<p>1. FIELD VERIFY ALL EXISTING DIMENSIONS AND NOTIFY ARCHITECT OF ACTUAL FIELD CONDITIONS PRIOR TO THE COMMENCEMENT OF ANY WORK. THIS SHALL INCLUDE ALL FINISH ELEVATIONS AND CLEARANCES AS SHOWN ON EXISTING/DEMO SHEETS AND PROPOSED PLANS TO CONFIRM IN-FIELD CONDITIONS CONFORM TO DOCUMENTS.</p> <p>2. ELEVATIONS. ALL ELEVATIONS ARE TO/FROM TOP OF FINISH FLOOR, U.O.N.</p> <p>3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FENCE HEIGHTS AND ANY MOUNTING REQUIREMENTS FOR ANY FENCEWORK PRIOR TO INSTALLATION.</p> <p>4. ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE WORK OF THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE SCHOOL TO ALLOW FOR STORAGE FOR MATERIALS, LOCATION OF DEMO BOX AND ALL SCHOOL USE PROTOCOLS THAT ARE REQUIRED TO BE MAINTAINED DURING CONSTRUCTION.</p> <p>5. UNOBSTRUCTED ACCESS TO EXISTING EXITS AND ANY EMERGENCY LIGHTING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE WORK OF THE PROJECT.</p> <p>6. ALL WORK PERFORMED UNDER THESE DOCUMENTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS. ALL NEW WORK SHALL NOT DIMINISH ANY EXISTING CONDITIONS WITH RESPECT TO THEIR ADHERENCE TO APPLICABLE CODES AND REQUIREMENTS (TYP.). THIS SHALL INCLUDE INSPECTIONS AND SUPERVISION OF WORK BY A LICENSED INSPECTOR OF RECORD (IOR) IN ACCORDANCE WITH DSA.</p> <p>7. THESE DOCUMENTS ARE TO REFLECT GENERAL INTENT OF THE ARCHITECTURAL SCOPE OF WORK. THE INFORMATION SHOWN IN THESE DOCUMENTS SHOW PURPOSE AND INTENT AND ARE NOT COMPLETE IN EVERY DETAIL. THE CONTRACTOR SHALL COMPLY WITH THEIR INTENT AND MEANING, TAKEN AS A WHOLE, AND SHALL NOT AVAIL ITSELF OF ANY MANIFEST ERROR, OMISSION, AND DISCREPANCY OF AMBIGUITY WHICH APPEAR IN THE DOCUMENTS.</p> <p>8. CONTRACTOR SHALL ENGAGE USA TO VERIFY AND LOCATE ANY (E) UTILITIES WITHIN AREA OF SCOPE OF WORK PRIOR TO COMMENCEMENT OF DEMO WORK.</p>		<p>PROJECT SCOPE IS LIMITED TO THE REPLACEMENT OF EXISTING, NON-COMPLIANT BLEACHERS AND PRESS BOX FOR THE EXISTING SOFTBALL FIELD.</p> <p>GEOTECHNICAL REPORT IS NOT REQUIRED FOR THIS PROJECT PER IR A-4, 3.2 & 3.2.3 AS THIS PROJECT IS AN OPEN METAL SITE STRUCTURE, LESS THAN 4,000 SF IN AREA AND IS LOCATED OUTSIDE A MAPPED GEOLOGIC HAZARD ZONE. ACCESS COMPLIANCE TO THE PRESS BOX IS NOT REQUIRED PER CBC 2013 11B-206.2.7, EXCEPTION #1.</p> <p>NOTE ACCESS TO NEAREST COMPLIANT TOILET ROOM FOR ALL VISITORS TO SITE.</p> <p>PROJECT DOCUMENTS SHALL INCLUDE PROJECTS SPECIFICATIONS.</p> <p>THE PROJECT SITE IS LOCATED OUTSIDE THE FLOOD PLAN.</p>	<p>GENERAL DRAWINGS A0.00 COVER SHEET, INDEX</p> <p>CIVIL DRAWINGS 1 EXISTING CONDITIONS/ DEMOLITION PLAN 2 UTILITY PLAN</p> <p>ARCHITECTURE DRAWINGS A0.01 ADA - ACCESS DETAILS RA0.01 REFERENCE SHEET A0.02 EXISTING SITE PHOTOS A1.00 SITE PLAN ACCESSIBLE PATH OF TRAVEL A2.00 EXISTING/DEMO PLAN A2.01 PROPOSED PLAN</p> <p>MANUFACTURER DRAWINGS 1 COVER SHEET 2 GENERAL NOTES 3 FOOTING LAYOUT 4 FOUNDATION DETAILS 5 UNDERSTRUCTURE LAYOUT 6 ELEVATION VIEW 7 SECTION VIEW 8 SECTION VIEW @PRESSBOX 9 SIGHT LINES 10 SEATING LAYOUT 11 AISLE / EXIT CALCULATIONS SHEET 12 PRESS BOX SHEET 12A PRESS BOX LADDER DETAIL 13 PRESS BOX FRAMING DETAILS 14 PRESS BOX DETAILS-1 15 PRESS BOX DETAILS-2 16 CEILING TILE DETAIL 17 EXITS SHEET 18 ALUMINUM DETAIL SHEET 19 DETAIL SHEET</p>	<p>DISTRICT NAME: LUCKY LOFTON EXECUTIVE BOND MANAGER SOLANO COMMUNITY COLLEGE DISTRICT ADDRESS: 4000 SUISUN VALLEY ROAD FAIRFIELD, CA 94534 PHONE: 707-863-7855 PHONE: 707-646-7703</p> <p>CM NAME: KITCHELL CEM - JASON YI ADDRESS: 360 CAMPUS LANE, SUITE 203 FAIRFIELD, CA 94534 PHONE: 916-540-6629 PHONE: 707-864-7189 E-MAIL: Jason.Yi@solano.edu</p> <p>ARCHITECT NAME: CA ARCHITECTS ADDRESS: 475 GATE FIVE ROAD, SUITE 107 SAUSALITO, CA 94965 PHONE: 415-331-7655 FAX: 415-331-7656 E-MAIL: jcohn@ca-arch.com</p> <p>CIVIL NAME: FOULK CIVIL ENGINEERING, INC. ADDRESS: 4777 MANGLES BOULEVARD FAIRFIELD, CA 94534 PHONE: 707-864-0784 FAX: 707-864-0793 E-MAIL: brod@foulke.com</p> <p>MANUFACTURER NAME: SOUTHERN BLEACHER COMPANY, INC. ADDRESS: 801 FIFTH STREET GRAHAM, TX 76450 PHONE: 940-282-6414 FAX: 940-549-1365 E-MAIL: mcclendon@southernbleacher.com</p>
		<p>EXISTING DSA APPLICATION NUMBERS</p> <p>(E) SOFTBALL FIELD: DSA #02-109982 (E) PARKING AREA: DSA #02-107552</p>		
		<p>VERIFICATION OF PATH OF TRAVEL</p>	<p>DRAWINGS BY OTHERS</p>	<p>CODES & REGULATIONS</p>
<p>7. THESE DOCUMENTS ARE TO REFLECT GENERAL INTENT OF THE ARCHITECTURAL SCOPE OF WORK. THE INFORMATION SHOWN IN THESE DOCUMENTS SHOW PURPOSE AND INTENT AND ARE NOT COMPLETE IN EVERY DETAIL. THE CONTRACTOR SHALL COMPLY WITH THEIR INTENT AND MEANING, TAKEN AS A WHOLE, AND SHALL NOT AVAIL ITSELF OF ANY MANIFEST ERROR, OMISSION, AND DISCREPANCY OF AMBIGUITY WHICH APPEAR IN THE DOCUMENTS.</p> <p>8. CONTRACTOR SHALL ENGAGE USA TO VERIFY AND LOCATE ANY (E) UTILITIES WITHIN AREA OF SCOPE OF WORK PRIOR TO COMMENCEMENT OF DEMO WORK.</p>	<p>CAMPUS MAP</p> <p>PROJECT LOCATION IS OUTSIDE A MAPPED GEOLOGIC HAZARD ZONE AND OUTSIDE THE FLOOD PLANE.</p>	<p>"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."</p>	<p>Example of Statement of General Conformance and Signature Block per IR.A-3.8</p> <p>Statement of General Conformance FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (Application No. TBD File No. _____)</p> <p><input checked="" type="checkbox"/> The drawings or sheets listed on the cover or index sheet <input type="checkbox"/> This drawing, page of specifications/calculations have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:</p> <p>1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and 2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.</p> <p>The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))</p> <p>I certify that: <input checked="" type="checkbox"/> All drawings or sheets listed on the cover or index sheet <input type="checkbox"/> This drawing or page <input checked="" type="checkbox"/> is/are in general conformance and <input type="checkbox"/> have been coordinated <input type="checkbox"/> is/are in general conformance and <input type="checkbox"/> have been coordinated</p> <p>Signature: _____ Date: _____ Signature: _____ Date: _____</p> <p>Architect or Engineer designated to be in responsible charge: <u>Joshua Cohn</u> 02/09/2016 Architect or Engineer delegated responsibility general for this portion of the work: _____</p> <p>Print Name: <u>C-204510</u> 11/09/2017 License Number: _____ Expiration Date: _____ Print Name: _____ License Number: _____ Expiration Date: _____</p> <p>GENERAL NOTE: TOPOGRAPHIC: INFORMATION WAS PROVIDED BY SCCD TO CA ARCHITECTS FOR USE AS EXISTING CONDITIONS FOR THIS PROJECT</p>	<p>2013 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.</p> <p>2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2012 INTERNATIONAL BUILDING CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2013 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R. - WHERE APPLICABLE</p> <p>2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R. (WHERE APPLICABLE)</p> <p>2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.</p> <p>TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.</p> <p>PARTIAL LIST OF APPLICABLE STANDARDS: NFPA 13, AUTOMATIC SPRINKLER SYSTEMS, 2013 EDITION NFPA 72, NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED), 2013 EDITION NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2013 EDITION NFPA 2012, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2012 EDITION REFERENCE CODE SECTION FOR NFPA STANDARDS - 2013 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.</p>

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CONSULTANT TEAM:

STAMP



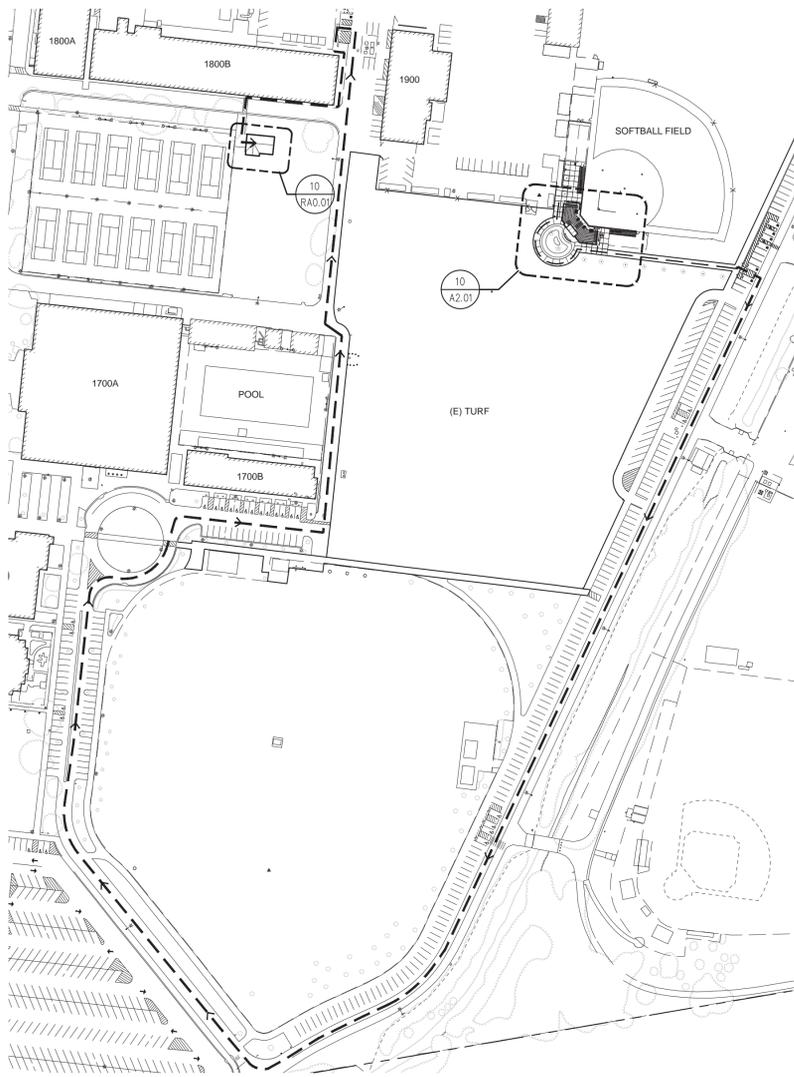
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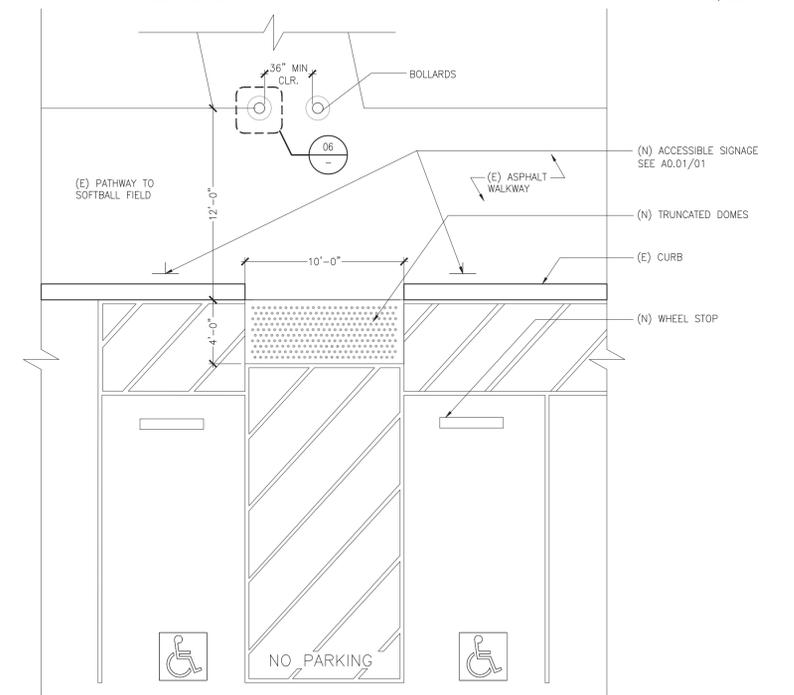
KEY PLAN:

SCALE:
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COVER SHEET INDEX
A0.00



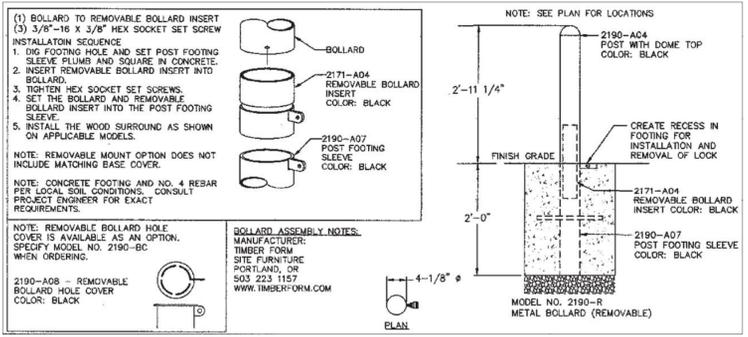
12 PATH TO ACCESSIBLE TOILET ROOM
SEE RA0.01 DSA #02-106610 SHEET A1.1 1/128" = 1'-0"



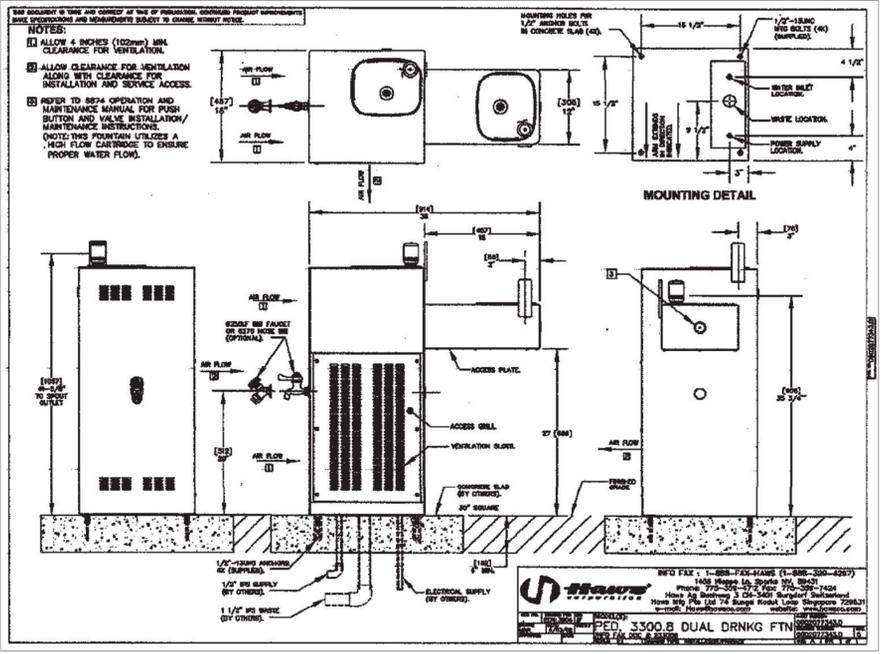
10 ACCESSIBLE PARKING - SEE 05 & 10
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

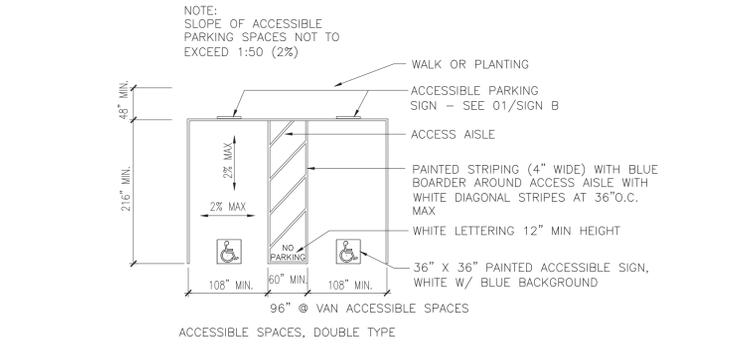
DETAILS SHOWN ARE FOR SITE ACCESS. FOR ACCESS DETAILS FOR THE BLEACHERS, PRESS BOX AND RELATED RAMPS/STAIRS, SEE BLEACHER DRAWINGS.



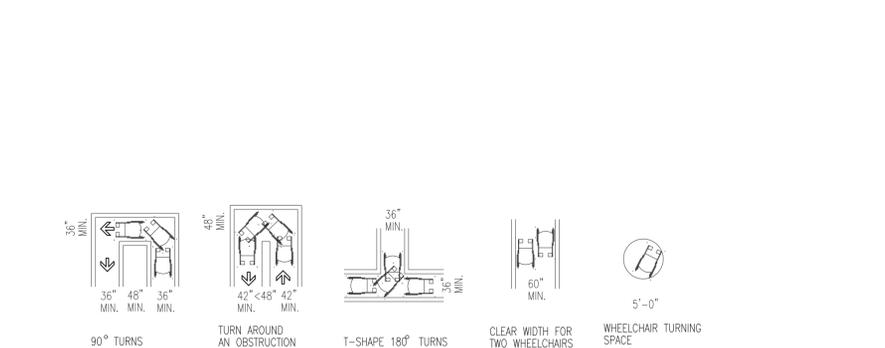
06 REMOVABLE BOLLARD DETAIL
SEE (E) SET DSA #109982 SHEET SB10 DETAIL 11 - FOR REFERENCE ONLY NTS



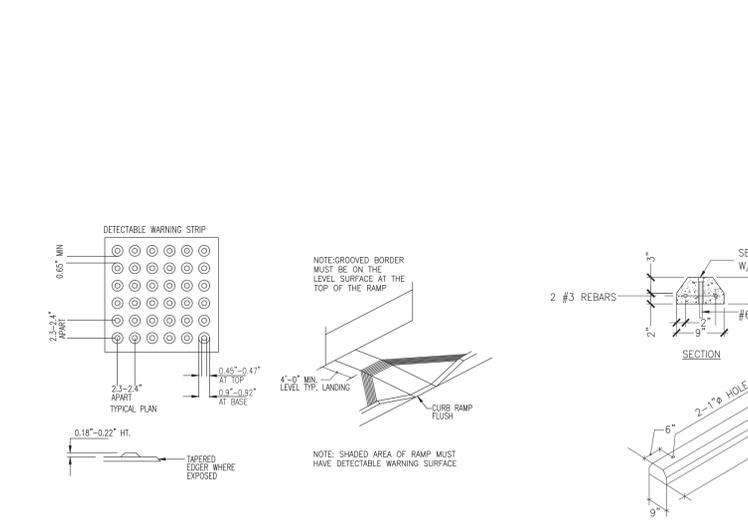
03 HAWS MODEL 3300FR BARRIER FREE DRINKING FOUNTAIN
SEE (E) SET DSA #109982 SHEET BB13 DETAIL 03 - FOR REFERENCE ONLY NTS



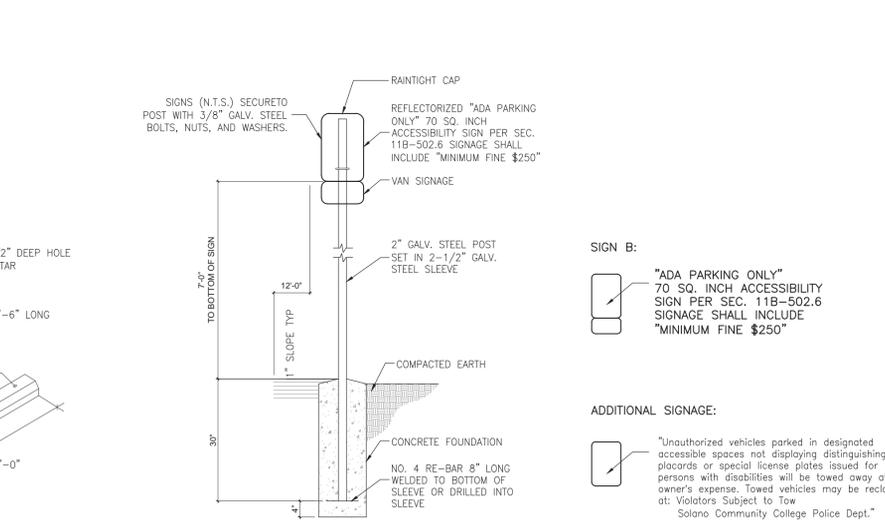
05 ACCESSIBLE PARKING SPACE (TYPICAL)
NOT TO SCALE



02 WHEELCHAIR TURNING REQUIREMENTS IN AN ACCESSIBLE ROUTE



04 TRUNCATED TACTILE DOME (TYPICAL)
NOT TO SCALE



04 CONCRETE WHEEL STOP
NOT TO SCALE



01 ACCESSIBLE SIGNAGE @ PARKING
NOT TO SCALE

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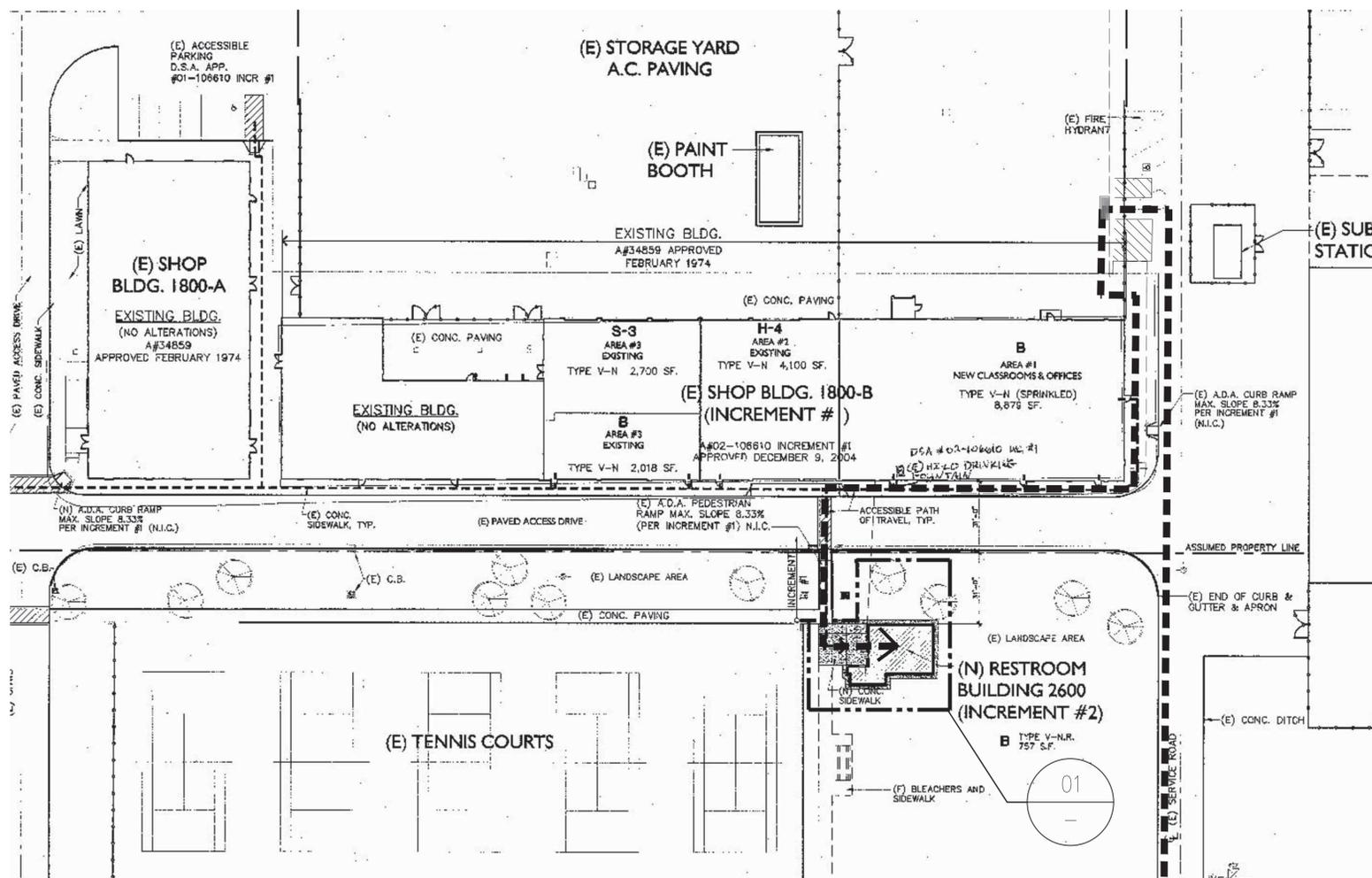
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"Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities will be towed away at the owner's expense. Towed vehicles may be reclaimed at: Violators Subject to Tow Solano Community College Police Dept."

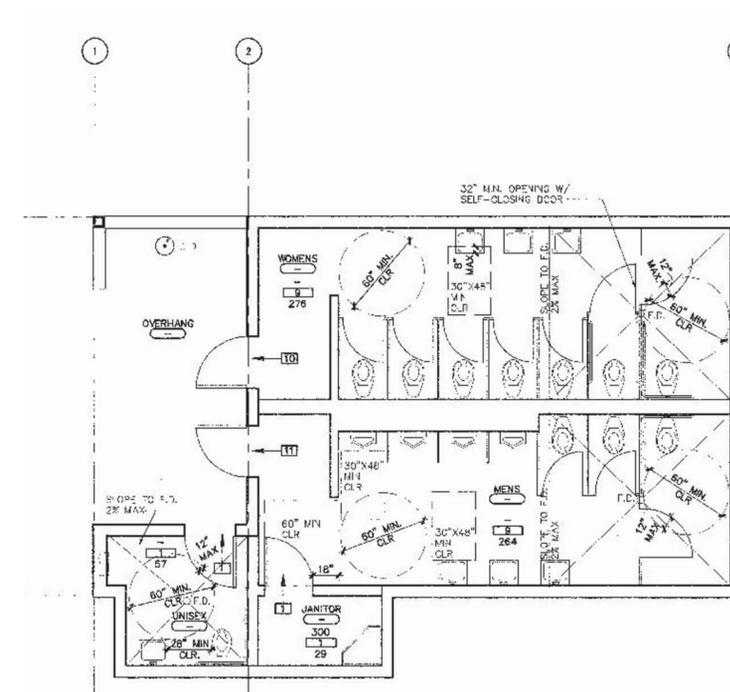
ADA - ACCESS DETAILS

A0.01



10 REFERENCE SHEET SET DSA# 02-106610 A1.1 /1- OVERALL SITE PLAN AND SITE ACCESSIBILITY PLAN (E) TENNIS COURTS

NTS



01 REFERENCE SHEET SET DSA# 02-106610 A2.1/4

NTS



(E) PATH OF TRAVEL (POT)



(E) PATH OF TRAVEL (POT)



(E) PATH OF TRAVEL (POT)

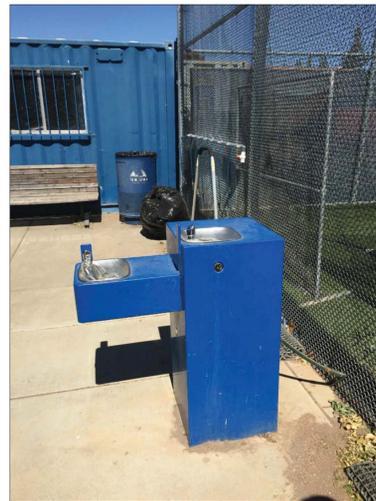


(E) PATH OF TRAVEL (POT)



(E) PATH OF TRAVEL (POT)

12 SITE ACCESS - PATH OF TRAVEL



(E) DRINKING FOUNTAIN TO REMAIN



(E) BLEACHERS TO BE REMOVED



(E) BLEACHERS TO BE REMOVED



(E) BLEACHERS TO BE REMOVED



(E) BACKSTOP TO REMAIN

11 SITE AREA - EXISTING CONDITION



UNDER (E) PRESS BOX - SEE DRAWINGS

10 PRESS BOX - EXISTING CONDITION - TO BE REMOVED - SEE DRAWINGS

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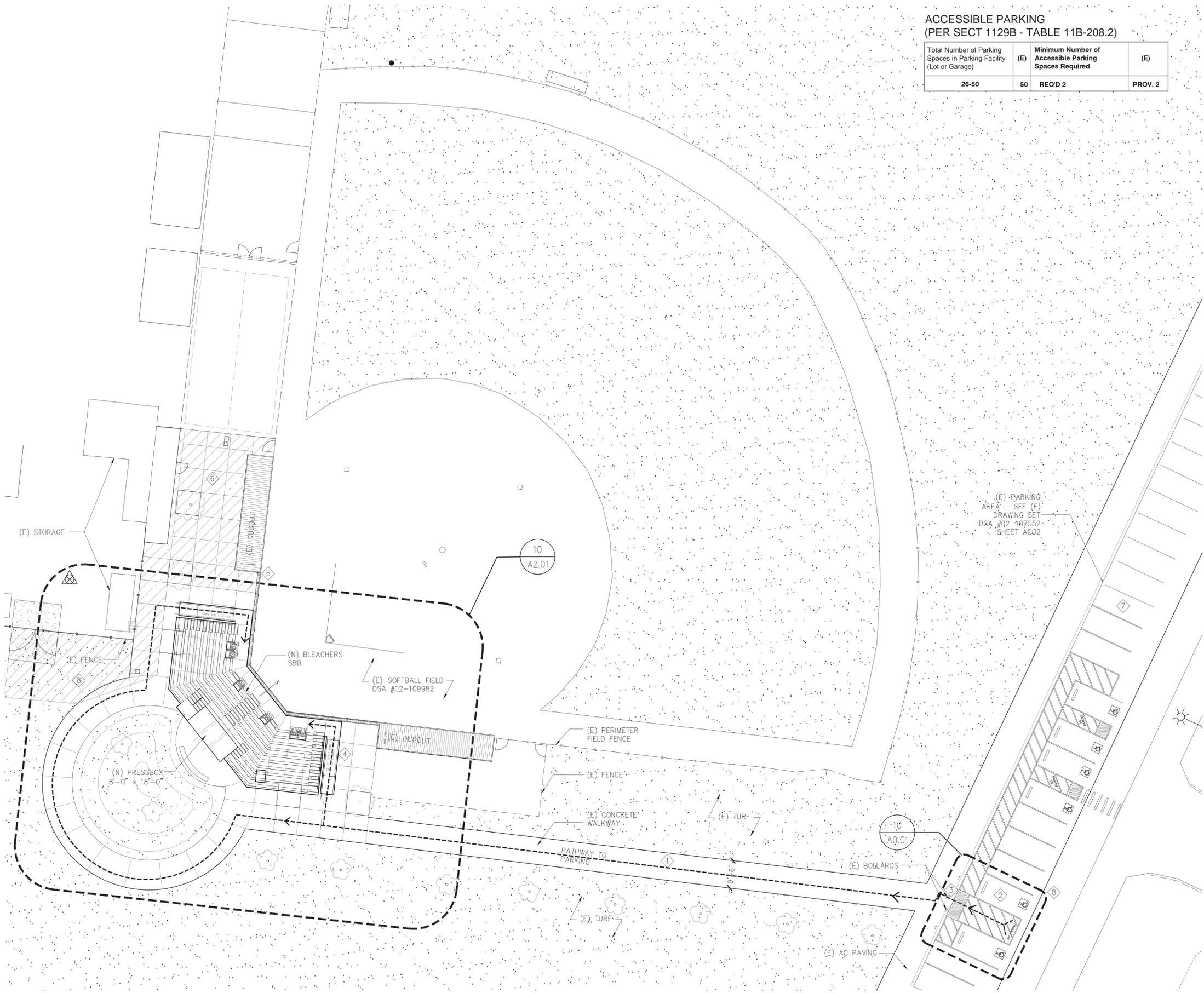
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EXISTING
SITE PHOTOS

A0.02



**ACCESSIBLE PARKING
(PER SECT 1129B - TABLE 11B-208.2)**

Total Number of Parking Spaces in Parking Facility (Lot or Garage)	(E)	Minimum Number of Accessible Parking Spaces Required	(E)
26-50	50	REQ'D 2	PROV. 2

SHEET NOTES:

- 1 EXISTING PATH OF TRAVEL SHALL BE LEVEL - LESS THAN 5% IN DIRECTION OF TRAVEL AND LESS THAN 2% CROSS SLOPE (TYP)
- 2 REPAINT MARKINGS AND RESTRIPIPING - SEE SHEET A0.01/02
- 3 RE-LOCATE (E) BOLLARDS SEE A0.11/12
- 4 ACCESS RAMPS AT BLEACHERS - SBD
- 5 PROJECT SHALL LEAVE (E) SOFTBALL FIELD UNDISTURBED
- 6 HATCHED AREA TO KEPT CLEAR DURING CONSTRUCTION TO ALLOW PLAYER AND MAINTENANCE ACCESS TO FIELD
- 7 CONTRACTOR TO COORDINATE WITH DISTRICT PRIOR TO ALLOW PARKING FOR PROJECT.
- 8 SEE ATTACHED DRAWINGS FOR (E) TOILET ROOM PREVIOUSLY CERTIFIED BY DSA FOR ACCESS COMPLIANCE.

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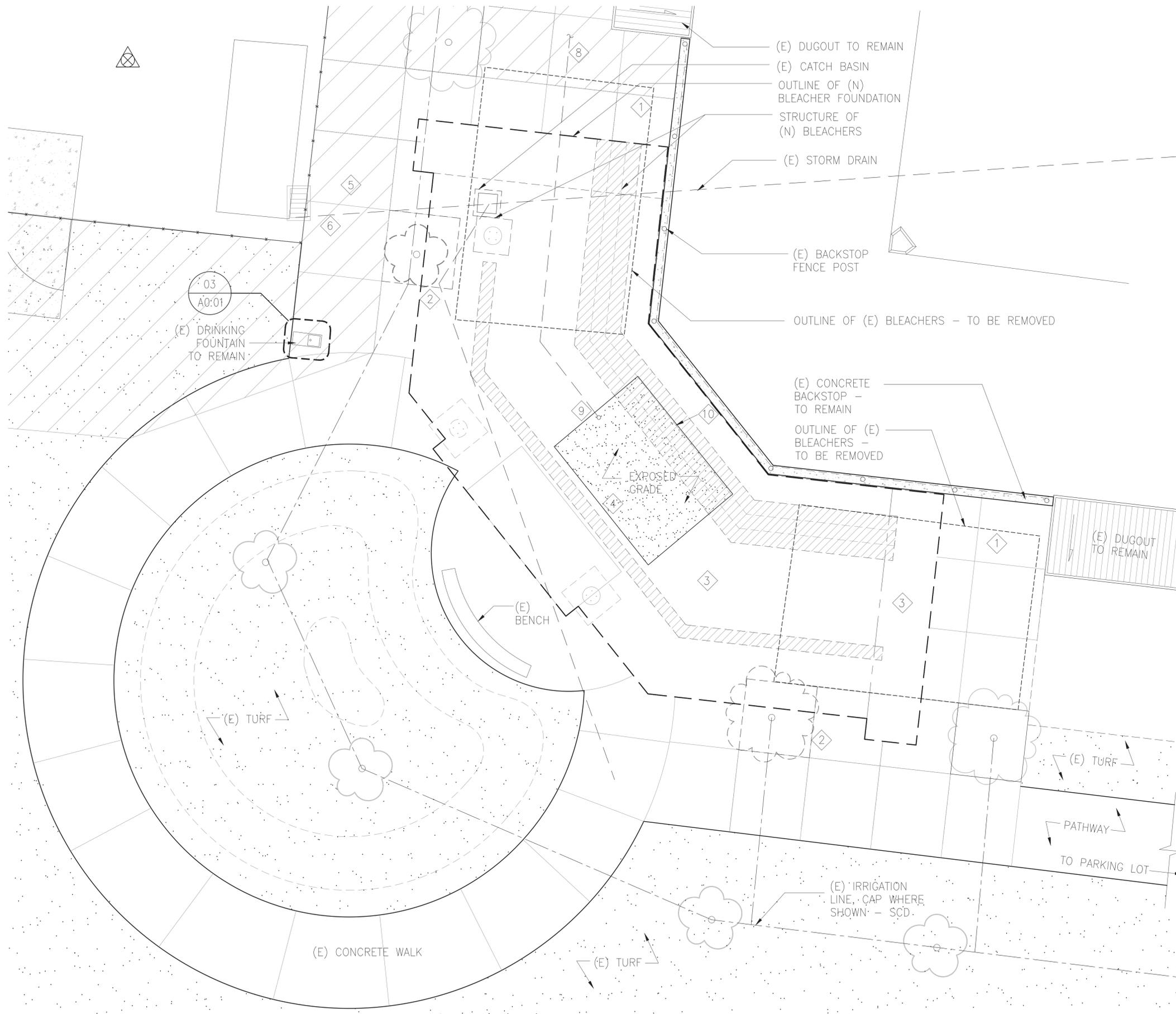
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GENERAL SHEET NOTES:

SEE GENERAL CONDITIONS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

GENERAL DEMO NOTES:

- 1 DEMOLISH AND REMOVE (E) BLEACHERS
- 2 REMOVE (E) TREE, CAP OR REPLACE IRRIGATION LINES AS REQ'D FOR CONCRETE PAVING
- 3 HATCHED AREA TO CUT (E) CONCRETE SLAB AND PREPARE FOR (N) BLEACHER FOUNDATION - SCD FOR ADDITIONAL INFORMATION
- 4 (E) POWER OF PRESS BOX - SCD
TEMPORARY CAP & PREP FOR RECONNECT WITH NEW PRESSBOX - SCD & SBD
- 5 HATCHED AREA TO BE KEPT CLEAR DURING CONSTRUCTION TO ALLOW PLAYER AND MAINTENANCE ACCESS TO FIELD
- 6 (E) STORM DRAIN LINE NOTE:
(E) INVERT @34.03' - SCD
- 7 CAP & REROUTE (E) IRRIGATION LINES TO MAINTAIN WORKING CONDITION. TEST SYSTEM AFTER WORK IS COMPLETED AND CONFIRMED FULLY FUNCTIONAL AND IN WORKING ORDER - SCD
- 8 EXISTING CONDUIT FOR SCOREBOARD - SCD
- 9 SCOREBOARD OPERATION SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION. CONTRACTOR TO IDENTIFY ALL SCOREBOARD WIRING REQUIRED TO OPERATE, AND EXTEND WIRING (IF REQUIRED) TO ALLOW TEMPORARY OPERATION FROM (E) DUGOUT. IN ADDITION THE CONTRACTOR WILL NEED TO RUN A NEW CABLE OR EXTEND THE (E) ONE, IF CABLE CANNOT REACH THE LOCATION OF THE (N) PRESS BOX.
- 10 OUTLINE OF (E) PRESS BOX - TO BE DEMOLISHED/REMOVED PRIOR TO DEMOLITION OF (E) PRESS BOX, CONTRACTOR SHALL REMOVE AND DELIVER (E) REFRIGERATOR TO MAINTENANCE WAREHOUSE LOCATED ON CAMPUS FOR STORAGE. UPON COMPLETION OF (N) PRESS BOX, CONTRACTOR SHALL RELOCATE (E) REFRIGERATOR INTO (N) PRESS BOX.

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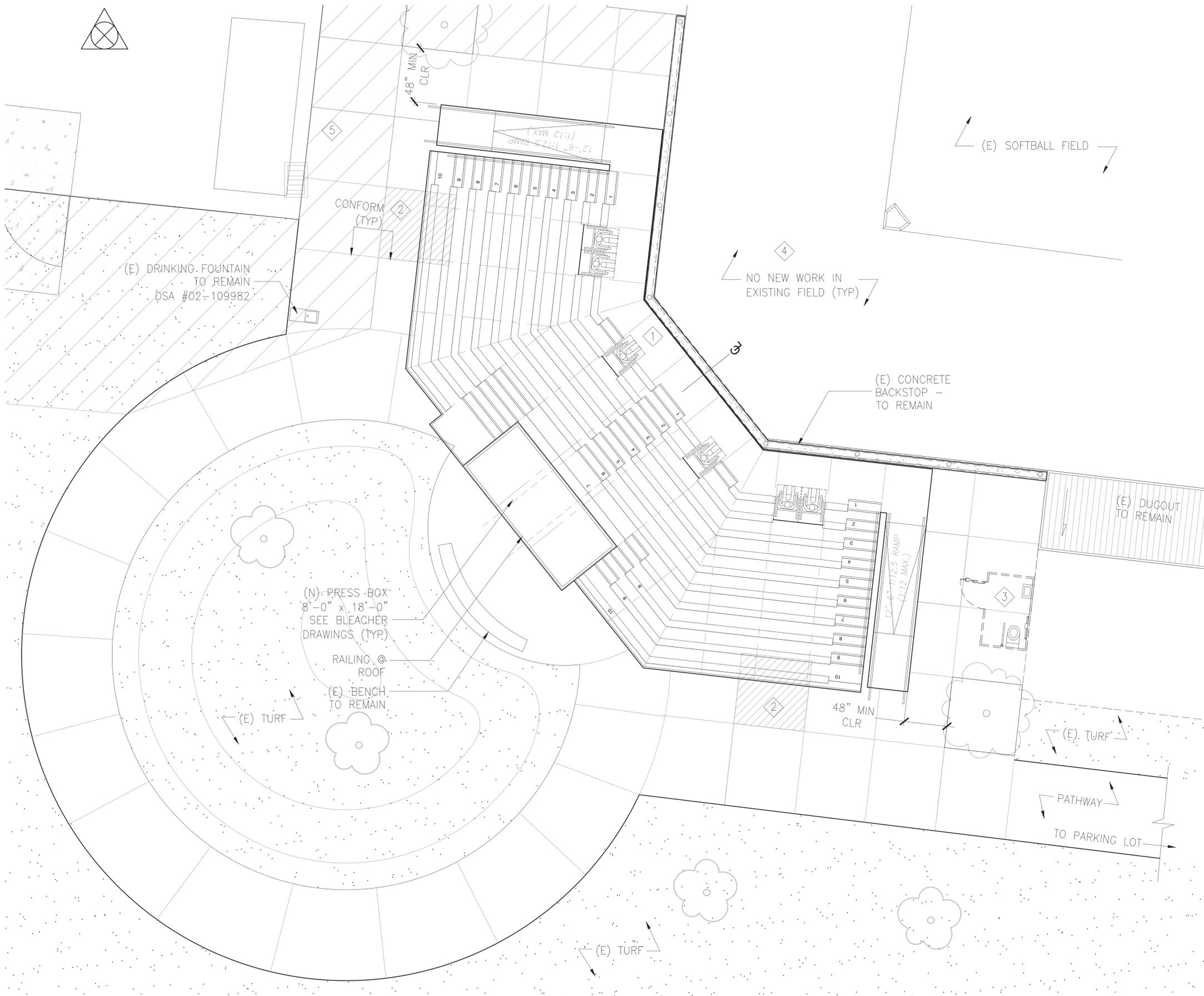
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EXISTING/DEMO PLAN

A2.00



GENERAL NOTES:

- 1 (N) BLEACHERS - SEE SBD FOR BLEACHER AND PRESS BOX DESIGN, DETAILS AND ACCESS COMPLIANCE
- 2 (N) CONCRETE PAVING - SCD
- 3 DASHED LINE OF PORTABLE ACCESSIBLE UNISEX TOILET FOR USE DURING EVENTS.
- 4 CONTRACTOR SHALL NOT INTERFERE WITH EXISTING FIELD AND SHALL KEEP FIELD FREE/CLEAR OF ANY WORK OR DISTURB (E) FIELD IN ANY WAY.
- 5 HATCHED AREA TO KEPT CLEAR DURING CONSTRUCTION TO ALLOW PLAYER AND MAINTENANCE ACCESS TO FIELD

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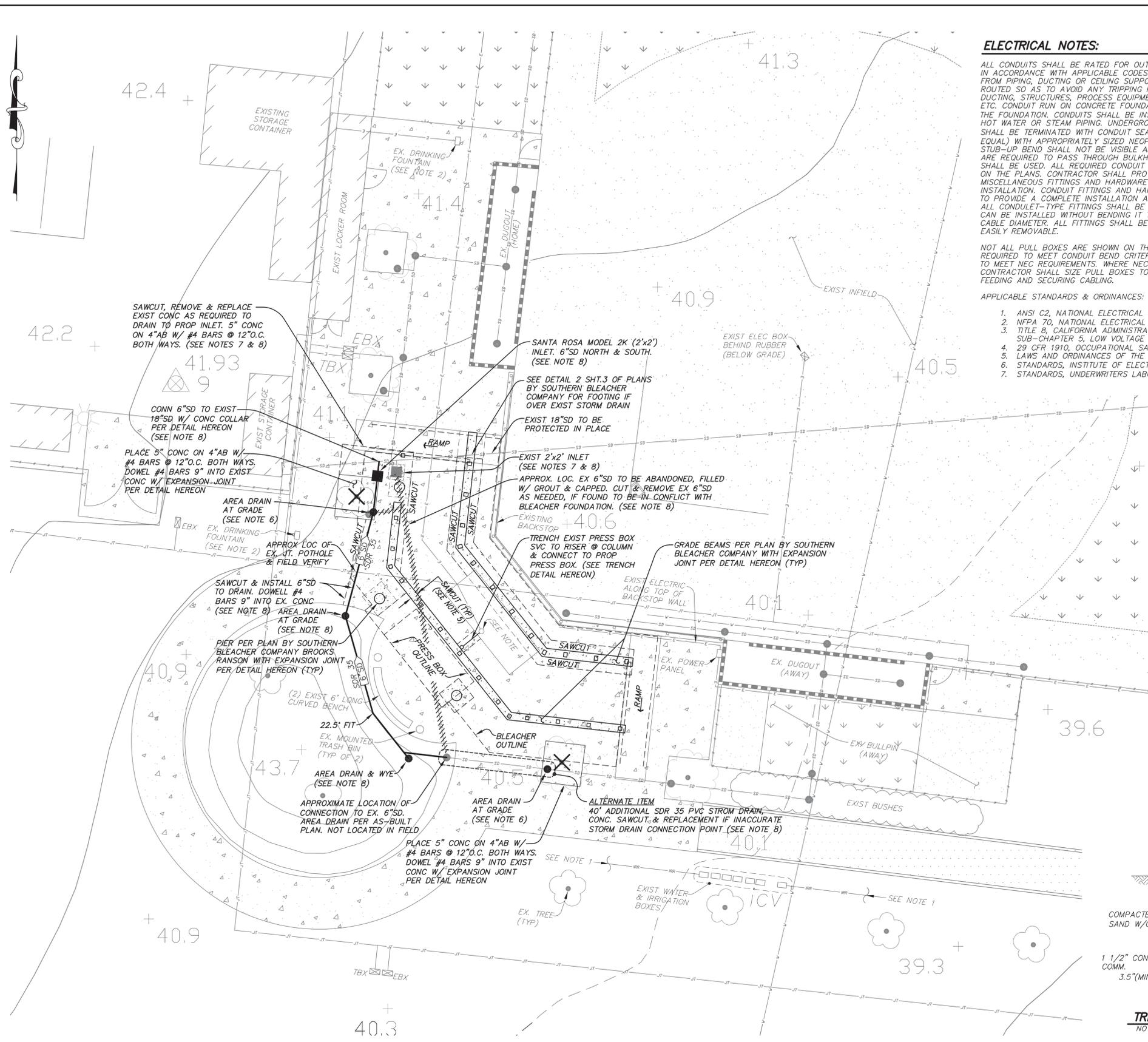
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PROPOSED PLAN

A2.01



ELECTRICAL NOTES:

ALL CONDUITS SHALL BE RATED FOR OUTDOOR USE AND ADEQUATELY SUPPORTED IN ACCORDANCE WITH APPLICABLE CODES. CONDUITS SHALL NOT BE SUPPORTED FROM PIPING, DUCTING OR CEILING SUPPORT WIRES. ALL CONDUITS SHALL BE ROUTED SO AS TO AVOID ANY TRIPPING HAZARD OR INTERFERENCE WITH PIPING, DUCTING, STRUCTURES, PROCESS EQUIPMENT, INSTRUMENTS, CEILING TILE REMOVAL, ETC. CONDUIT RUN ON CONCRETE FOUNDATIONS SHALL BE RUN ON THE SIDES OF THE FOUNDATION. CONDUITS SHALL BE INSTALLED NO CLOSER THAN 6" TO FLUES, HOT WATER OR STEAM PIPING. UNDERGROUND CONDUIT STUB-UPS INSIDE BUILDINGS SHALL BE TERMINATED WITH CONDUIT SEALING BUSHINGS (OZ GEDNEY TYPE CSB OR EQUAL) WITH APPROPRIATELY SIZED NEOPRENE BUSHINGS. CURVED PART OF STUB-UP BEND SHALL NOT BE VISIBLE ABOVE FINISHED FLOOR. WHEN CONDUITS ARE REQUIRED TO PASS THROUGH BULKHEADS OR FLOOR PLATES, BULKHEAD HUBS SHALL BE USED. ALL REQUIRED CONDUIT FITTINGS AND HARDWARE ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL PROVIDE ALL FITTINGS, REDUCERS, HUBS, MISCELLANEOUS FITTINGS AND HARDWARE NECESSARY TO COMPLETE THE CONDUIT INSTALLATION. CONDUIT FITTINGS AND HARDWARE SHALL BE INSTALLED AS REQUIRED TO PROVIDE A COMPLETE INSTALLATION AND A NEAT, WORKMANLIKE APPEARANCE. ALL CONDUIT-TYPE FITTINGS SHALL BE OF ADEQUATE SIZE SO THAT THE CABLE CAN BE INSTALLED WITHOUT BENDING IT TO A RADIUS LESS THAN SIX TIMES THE CABLE DIAMETER. ALL FITTINGS SHALL BE INSTALLED SO THAT THE COVERS ARE EASILY REMOVABLE.

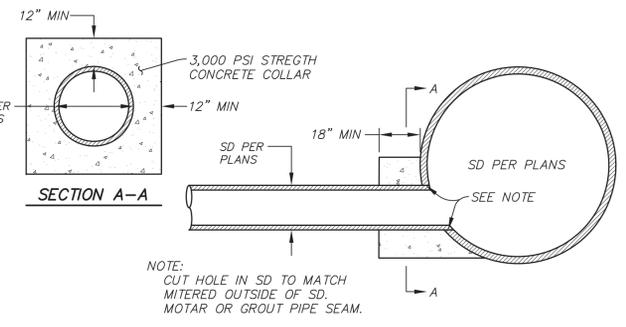
NOT ALL PULL BOXES ARE SHOWN ON THE PLANS. INSTALL PULL BOXES WHERE REQUIRED TO MEET CONDUIT BEND CRITERIA. CONTRACTOR SHALL SIZE PULL BOXES TO MEET NEC REQUIREMENTS. WHERE NEC REQUIREMENTS DO NOT APPLY, CONTRACTOR SHALL SIZE PULL BOXES TO PROVIDE AMPLE ROOM FOR PULLING, FEEDING AND SECURING CABLEING.

APPLICABLE STANDARDS & ORDINANCES:

- ANSI C2, NATIONAL ELECTRICAL SAFETY CODE.
- NFPA 70, NATIONAL ELECTRICAL CODE (NEC).
- TITLE 8, CALIFORNIA ADMINISTRATIVE CODE, BASIC ELECTRICAL REGULATIONS, SUB-CHAPTER 5, LOW VOLTAGE AND HIGH VOLTAGE SAFETY ORDERS.
- 29 CFR 1910, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
- LAWS AND ORDINANCES OF THE COUNTY OF SOLANO AND CCR TITLE 8.
- STANDARDS, INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
- STANDARDS, UNDERWRITERS LABORATORIES, INC. (UL).

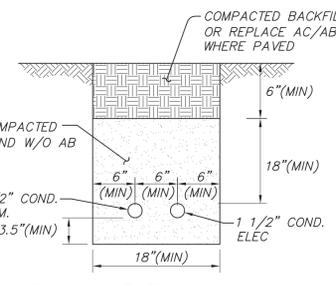
NOTES:

- SEE SOLANO COMMUNITY COLLEGE PHASE II - SOFTBALL FIELD PLANS PREPARED BY CMX SPORTS ENGINEERS DATED JANUARY 18, 2008 FOR LOCATION OF EXISTING WATER AND IRRIGATION LINES THROUGHOUT SOFTBALL FIELD SITE.
- EXISTING DRINKING FOUNTAIN CONNECTION TO EXISTING WATER SYSTEM UNKNOWN. SEE SOLANO COMMUNITY COLLEGE PHASE II - SOFTBALL FIELD PLANS PREPARED BY CMX SPORTS ENGINEERS DATED JANUARY 18, 2008 FOR MORE INFORMATION.
- UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE IN NATURE. UTILITY INFORMATION HAS BEEN PROVIDED ON AN AERIAL TOPOGRAPHIC SURVEY PROVIDED BY SOLANO COMMUNITY COLLEGE DISTRICT AND SUPPLEMENTED BASED ON SOLANO COMMUNITY COLLEGE PHASE II - SOFTBALL FIELD PLANS PREPARED BY CMX SPORTS ENGINEERS DATED JANUARY 18, 2008 AND SITE APPROXIMATE FIELD MEASUREMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING COMMUNICATION AND ELECTRICAL CONDUITS TO EXISTING PRESS BOX TO BE PROTECTED IN PLACE & EXTENDED TO NEW PRESS BOX. RECONNECT POWER, SIGNAL WIRES TO SCOREBOARD, EXTERIOR LIGHTING AND ANY EXISTING ELECTRICAL COMPONENTS.
- SAWCUT DIMENSIONS SHOWN HEREON REPRESENT MINIMUM GRADE BEAM FOOTING AND PIER FOUNDATION DIMENSION PER PLANS PREPARED BY SOUTHERN BLEACHER COMPANY. ACTUAL SAWCUT DIMENSION SHALL BE INCREASED AS REQUIRED TO ADEQUATELY CONSTRUCT FOOTING AND PIER FOUNDATIONS, WHICH MAY VARY BASED ON CONTRACTOR CONSTRUCTION METHOD.
- NEW AREA DRAINS SHALL BE OLD CASTLE F22 BOX WITH CAST IRON GRATE (V01-71C) AND EXTENSIONS AS REQUIRED OR APPROVED EQUAL. POUR CONCRETE BETWEEN TOP OF RISER PIPE AND BOX. ARE DRAIN SHALL INCLUDE WYE AND SWEEP 45FITTING. SEE NOTE 8.
- CONTRACTOR SHALL CONDUCT TOPOGRAPHIC FIELD SURVEY TO VERIFY LOCATION OF EXISTING 2'x2' DRAINAGE INLET, EXISTING SURROUNDING GRADES AND PIPE INVERT ELEVATIONS FOR EXISTING 18" AND 6" STORM DRAINS. SAID TOPOGRAPHIC INFORMATION IS TO BE USED BY CONTRACTOR IN DETERMINING WHETHER CONFLICTING LOCATIONS OF DRAINAGE FACILITIES TO NEW BLEACHER FOOTINGS AND NEED FOR ALTERNATE ITEMS PER NOTE 8.
- ADD ALTERNATE: CONTRACTOR SHALL INCLUDE COSTS ASSOCIATED WITH STORM DRAIN SYSTEM IMPROVEMENTS AS ALTERNATE ITEM, INCLUDING REMOVAL OF THE 2'x2' DRAINAGE INLET, NEW 2'x2' DRAINAGE INLET, GROUTING AND/OR REMOVAL OF EXISTING 6"SD, NEW 6"SD, AREA DRAINS (NOTE: TWO EXISTING AREA DRAINS WITHIN TREE WELLS WILL NEED TO BE REPLACED PER NOTE 6 AND SHOULD NOT BE INCLUDED AS ALTERNATE), FITTINGS, CLEAN OUTS, TRENCHING, ADDITIONAL SAWCUT REQUIRED FOR STORM DRAIN IMPROVEMENTS, REGRADING AND FLATWORK REQUIRED TO DRAIN TO NEW 2'x2' DRAINAGE INLET.



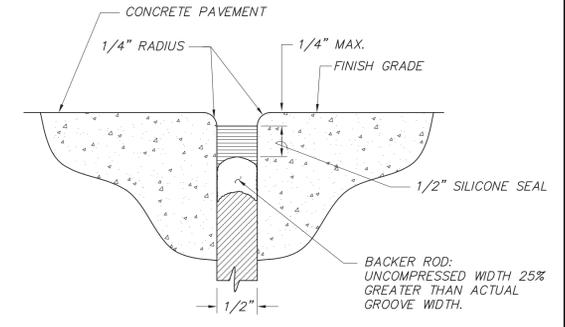
PIPE CONNECTION CONCRETE COLLAR DETAIL

NOT TO SCALE



TRENCH SECTION

NOT TO SCALE



EXPANSION JOINT DETAIL

NOT TO SCALE

DESIGNED BY: A.J.H.
 DRAFTED BY: A.J.H.
 CHECKED BY: B.D.F.
 ISSUE DATE: 12/09/16



APPROVED BY: R.C.E. NO.
 CITY ENGINEER
 DATE OF APPROVAL

FCE FOULK CIVIL ENGINEERING, INC.
 Civil Engineering Land Surveying Planning
 4777 Mangels Boulevard, Fairfield, CA 94534
 (707)864-0784 fax (707)864-0793 e-mail: foulkce@gmail.com



REV.	DATE	DESCRIPTION	BY	APPROVED

PROJECT: SOLANO COMMUNITY COLLEGE
 SOFTBALL FIELD IMPROVEMENTS
 FAIRFIELD, CA

SHEET TITLE: SITE/UTILITY PLAN

SCALE: 1"=10'

DWG. NO: 15-008-BLEACHER JOB NO: 15-008 XREF:

SHEET C2 OF 2

SOLANO COMMUNITY COLLEGE SOFTBALL BLEACHER FAIRFIELD, CALIFORNIA

<i>SHEET TITLE</i>	<i>SHEET NUMBER</i>
COVER SHEET	1
GENERAL NOTES	2
FOOTING LAYOUT	3
FOUNDATION DETAILS	4
UNDERSTRUCTURE LAYOUT	5
ELEVATION VIEW	6
SECTION VIEW	7
SECTION VIEW @ PRESSBOX	8
SIGHT LINES	9
SEATING LAYOUT	10
AISLE / EXIT CALCULATIONS SHEET	11
PRESS BOX SHEET	12
PRESS BOX LADDER DETAIL	12A
PRESS BOX FRAMING DETAILS	13
PRESS BOX DETAILS - 1	14
PRESS BOX DETAILS - 2	15
CEILING TILE DETAIL	16
EXITS SHEET	17
ALUMINUM DETAIL SHEET	18
DETAIL SHEET	19

REVISION 11/21/16
 REVISION 11/14/16

GENERAL INFORMATION	
RISE:	15"
TREAD:	26'
ROWS:	10
LENGTH:	MITER
SEAT COUNT:	314

DATE: 10-20-16
 JOB #16273
 SOLANO COMMUNITY COLLEGE
 SOFTBALL BLEACHER
 FAIRFIELD, CALIFORNIA



PO Box One, Graham, Texas 76450
 801 Fifth Street.
 Phone: 940/549-0733 Fax: 940/549-1365

Established 1946

#16273 - FAIRFIELD, CALIFORNIA

GENERAL REQUIREMENTS:

- CONFLICTS: NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
- CODES: ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, 2013 CALIFORNIA BUILDING CODE (CBC).
- SIMILAR WORK: WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
- EXCAVATIONS: OWNER TO LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PLUMBING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.

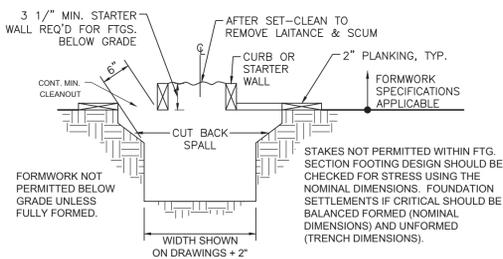
DESIGN CRITERIA

- DEAD LOADS:
BLEACHERS (EXCLUDING GIRDERS)..... 10 PSF
- LIVE LOADS:
LIVE LOAD..... 100 PSF
SEATS..... 120 PLF
FOOTBOARDS..... 100 PSF
SWAY (PERPENDICULAR)..... 10 PLF
SWAY (PARALLEL)..... 24 PLF
GUARDRAILS AND HANDRAILS..... 50 PLF
* OR A 200 POUND CONCENTRATED LOAD APPLIED TO RAIL AT ANY POINT IN ANY DIRECTION.
- PRESSBOX:
DEAD LOADS
FLOOR..... 10 PSF
ROOF..... 15 PSF
LIVE LOADS
FLOOR/ROOF..... 100 PSF
- LATERAL LOADS:
A) SEISMIC - SHORT PERIOD
SPECTRAL RESPONSE..... $S_s = 2.163 g$
ONE - SECOND PERIOD
SPECTRAL RESPONSE..... $S_1 = 0.764 g$
SITE CLASSIFICATION..... D
SITE COEFFICIENT..... $F_a = 1.0$
SITE COEFFICIENT..... $F_v = 1.5$
ADJUSTED SPECTRAL RESPONSE..... $S_{ms} = 2.163 g$
ADJUSTED SPECTRAL RESPONSE..... $S_{m1} = 1.146 g$
DESIGN SPECTRAL RESPONSE..... $SDS = 1.442 g (2/3 S_{ms})$
DESIGN SPECTRAL RESPONSE..... $SD1 = 0.764 g (2/3 S_{m1})$
RISK CATEGORY: III
 $\rho = 1.0$
 $I = 1.25$
SEISMIC DESIGN CATEGORY..... E
 $R = 1.25$
LATERAL SYSTEM: ALL OTHER SELF-SUPPORTING STRUCTURES
 $C_s = 1.442$
 $V = C_s W = 1.009 W$ (SERVICE)
B) WIND $V_{ult} = 115$ mph
EXPOSURE C

FOUNDATION:

GEOTECHNICAL INVESTIGATION: MIN. PER CODE.

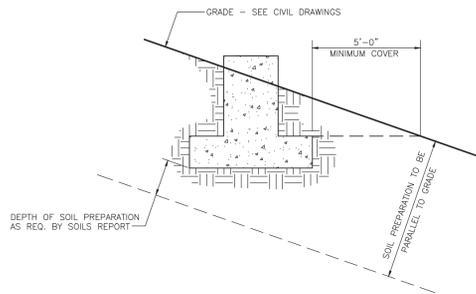
- SOIL PRESSURES:
SOIL BEARING..... 1,500 PSF
COEFFICIENT OF FRICTION..... 0.25
PASSIVE PRESSURE..... 200 PCF
- SOIL REMOVAL AND RECOMPACTION: PER GEOTECHNICAL INVESTIGATION AND THE CONTRACT DOCUMENTS. SOILS WORK SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER.
- GEOTECHNICAL ENGINEER: SHALL OBSERVE FOOTINGS BEFORE PLACEMENT OF REINFORCING OR CONCRETE. FOOTING OBSERVATION AND COMPACTION REPORTS SHALL BE SENT TO THE ARCHITECT AND DSA.
- SOIL PREPARATION: AS INDICATED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS SPECIFIED IN THE PROJECT SPECIFICATIONS. COORDINATE WITH GEOTECHNICAL ENGINEERS.
- MANDATORY MINIMUM FORMWORK (unless fully formed)



- STARTER WALL REQUIRED FOR ALL MASONRY OR CONCRETE WALLS.
- FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE DIVISION OF THE STATE ARCHITECT. IN SUCH CASE THE MINIMUM FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.

FOUNDATION: (CONT.)

- FOUNDATIONS GEOTECHNICAL / GRADING REQUIREMENTS:



CONCRETE NOTES:

- MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS:
1 1/2"
AGGREGATE FOR CONCRETE SHALL CONFORM TO ASTM C33.
GRADING OF AGGREGATE SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19-A. CBC.
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3000 PSI
- ALL REINFORCING SHALL BE ASTM A615 GRADE 40 FOR #3, GRADE 60 FOR #4 AND LARGER. REINF. TO BE WELDED SHALL BE ASTM A706.
- ALL DIMENSIONS SHOWN FOR LOCATION OF REINFORCING STEEL ARE TO FACE OF BAR AND DENOTE CLEAR COVERAGE. UNLESS SPECIFICALLY NOTED, CONCRETE COVERAGE SHALL BE AS FOLLOWS:
3" FOR CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)
2" FOR CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS.
1 1/2" TO TIES IN COLUMNS
1 1/2" STIRRUPS IN BEAMS
3/4" FOR BARS IN SLABS ON FORMS
PLACE REINF. AT MID-THICKNESS FOR SLABS ON GROUND.
- ALL SPLICES IN CONTINUOUS REINFORCEMENT OR REINFORCING AS USED IN WALLS, FOOTINGS, ETC. SHALL HAVE A MINIMUM LAP OF 72 DIAMETERS. SPLICES IN ADJACENT BARS SHALL NOT BE LESS THAN 4'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINF. OF BEAM AND SLABS, OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED.
- CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL (AS IN WALL) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED FIVE (5) FEET AND SUFFICIENT NUMBER SHALL BE USED TO INSURE THE CONCRETE BEING LEVEL AT ALL TIMES.
- HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSED CLEAN AGGREGATE SOLIDLY EMBEDDED.
- ALL STEEL COLUMN BASE PLATES AND STEEL BEAMS BEARING ON CONCRETE SHALL BEAR UPON 1" DRYPACK AND LEVELING NUTS EXCEPT AS NOTED OTHERWISE.
- WHERE STEEL MEMBERS BEAR IN CONCRETE OPENINGS SHALL BE DRY-PACKED AFTER STEEL IS IN PLACE.

STRUCTURAL STEEL:

- CODES: AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION FOR STRUCTURAL STEEL FOR BUILDINGS; MANUAL OF STEEL CONSTRUCTION (13TH EDITION); STRUCTURAL WELDING CODE AWS D1.1 AND AWS D1.4. PIPES SHALL BE IDENTIFIED WITH MILL IDENTIFICATION IN ACCORDANCE WITH ASTM A-53 AND TUBE SHAPES IN ACCORDANCE WITH ASTM A-500.
- IDENTIFICATION: ROLLED STRUCTURAL STEEL SHAPES SHALL BE IDENTIFIED WITH MILL IDENTIFICATION MARKS IN CONFORMANCE WITH ASTM A6.
- MATERIALS:
STRUCTURAL SHAPES
WIDE FLANGE..... A-992 / A572-50 GRADE 50, Fy=50 KSI U.N.O.
CHANNELS AND ANGLES..... A36-12 / A529-05 / A36 / A36M-12 GRADE 50, Fy=50 KSI
SWAYRODS..... ASTM A-36/ A529 Fy=50 ksi GRADE 50
HSS SHAPES (TUBE COLUMNS). ASTM A-500 GRADE B - 46 KSI
PLATES..... A36-12 / A529-05 / A36 / A36M-12 / A572 GRADE 50, Fy=50 KSI, U.N.O.
BOLTS..... ASTM A-307, TYPICAL U.N.O. (HOT DIP GALVANIZED)
NUTS..... HEAVY HEX (HOT DIP GALVANIZED)
NON-SHRINK GROUT..... ASTM C-1107 7,000 PSI (NON-METALLIC)
- WELDING: ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.1. WELDS ARE ALL AROUND WITH TYPE ER70S-6 WIRE MIG U.N.O.
- ALL STEEL SHALL BE HOT DIP GALVANIZED TO CURRENT A.S.T.M. A-123.
- ALL FIELD CONNECTIONS ARE NON-SLIP CRITICAL U.N.O. ALL CONNECTIONS ARE DESIGNED TO UTILIZE A307 BOLTS. IT IS ACCEPTABLE TO USE A325N BOLTS IN LIEU OF THE A307 BOLTS. THE INSTALLATION OF THESE BOLTS ARE TO BE TIGHTENED A SNUG TIGHT CONDITION AS SPECIFIED BY AISC.
- SWAYROD THREADS SHALL BE PINGED WITH A HAMMER TO ELIMINATE REMOVAL OF NUT, AFTER FINAL TIGHTENING.

COLD FORMED MEMBERS (PRESS BOX):

MATERIALS: STRAPS, TUBES AND CHANNELS..... A1011 cs TYPE B
Fy = 33 KSI Fu = 48 KSI

- CODES AND FABRICATION: STEEL STUD MANUFACTURER'S ASSOCIATION ICC ESR 3064P OR APPROVED EQUAL.
- COLD FORMED SHAPES SHALL BE LIMITED TO A THICKNESS OF 11 GAGE OR THINNER.
- ALUMINUM:
1. MATERIALS: ALUMINUM SHAPES.....ALLOY 6061-T6 OR 6005-T5 (Fy = 35 KSI)
PLANKING.....ALLOY 6063-T6 (Fy = 25 KSI)
- DISSIMILAR MATERIALS: WHERE ALUMINUM SURFACES ARE IN CONTACT WITH STEEL, THE STEEL SHALL BE GALVANIZED.
- MILL FINISHED ALUMINUM WILL BECOME DISCOLORED DUE TO OXIDATION WHICH IS A NATURAL PHENOMENON SHOULD BE EXPECTED.
- ANODIZED ALUMINUM HANDRAIL IS 1 1/4" PIPE SIZE.
- ALUMINUM TO CONFORM TO 2015 ALUMINUM DESIGN MANUAL.

SPECIAL INSPECTION/INSPECTOR REQUIREMENTS FOR SPECIAL INSPECTION:

- PROJECT INSPECTOR: IN ACCORDANCE WITH TITLE 24, PART I, SECTIONS 4-333 AND 4-342.
- CERTIFIED SPECIAL INSPECTOR: EMPLOYED BY THE DISTRICT AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND DSA.
- REPORTS: PREPARED BY THE SPECIAL INSPECTOR AND SIGNED BY A CIVIL ENGINEER, SUBMITTED TO THE DSA, THE ARCHITECT, AND ENGINEER. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF NOT CORRECTED, TO THE ARCHITECT, ENGINEER AND THE DSA (CBC 1704A.2.4).
- THE SPECIAL INSPECTION IS TO BE CONTINUOUS DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED.

HILTI KB TZ ICC-ESR-1917 HARD ROCK TEST VALUES CONCRETE			
ANCHOR DIA. (IN.)	MINIMUM EMBEDMENT	TENSION LOAD (LBS.)	TORQUE (FT.-LBS.)
3/8	2"	2,560	25
1/2	3 1/4"	5,610	40
5/8	4"	9,300	60
3/4	4 3/4"	10,860	110

SUMMARY OF STRUCTURAL CONTINUOUS AND PERIODIC SPECIAL INSPECTION:

- RESPONSIBILITY: IT IS THE RESPONSIBILITY OF THE PROJECT INSPECTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
- SPECIAL INSPECTIONS:
A) CONCRETE (CBC 1705A.3): DURING THE TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE.
B) BOLTS INSTALLED IN CONCRETE (CBC 1705A.3): PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
C) REINFORCING STEEL (CBC 1705A.3): DURING PLACING OF REINFORCING STEEL FOR ALL CONCRETE SPECIFIED TO HAVE SPECIAL INSPECTION.
D) STRUCTURAL WELDING AND FABRICATION (CBC 1705A.2):
i) DURING ALL SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D1.1
ii) DURING SHOP FABRICATION.
iii) WELDING INSPECTORS ARE TO BE AWS QC-1 CERTIFIED.
iv) INSPECTION SHALL BE PER AWS D1.1, D1.3 OR D1.4 AND INCLUDE VERIFICATION THAT THE WPS IS BEING FOLLOWED.
v) ALL STEEL AND WELDING MATERIALS SHALL BE IDENTIFIED AS REQUIRED BY THEIR ASTM OR AWS STANDARD.
vi) ALL SUBMITTED TO THE OWNER BY THEIR WELDING INSPECTOR, NOT THE BLEACHER FABRICATOR.
E) CONCRETE ANCHORS: FOR ALL THREADED ROD AND REINFORCING STEEL ANCHORED WITH EPOXY ADHESIVE IN CONCRETE; FOR ALL EXPANSION ANCHORS IN CONCRETE. INSPECTION / TESTING SHALL BE IN CONFORMANCE WITH THE ANCHOR MANUFACTURER'S EVALUATION REPORT AND SHALL INCLUDE AS A MINIMUM VERIFICATION OF HOLE DEPTH AND DIAMETER, CLEAN OUT, ALL MATERIALS, INSTALLATION TORQUE AND PROOF LOAD TESTS.

CONCRETE WEDGE ANCHORS:

- ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE ANCHOR.
- APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT & INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.
- REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
- 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:
THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
TORQUE WRENCH METHOD:
WEDGE TYPE:
THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:

ONE-HALF (1/2) TURN OF THE NUT:
ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN. SLEEVE ANCHOR ONLY.

6. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
7. TESTING VALUES:

CONCRETE - EPOXY ANCHORED THREADED RODS:

- MATERIALS: (ICC ESR 3187)
HILTI HIT-HY200 EPOXY ADHESIVE
CONCRETE (MIN)..... F'c = 3,000 PSI STONE AGGREGATE
THREADED RODS..... ASTM A-153 TYPICAL
NUTS..... ASTM A-563 HEX, GRADE A
- INSTALLATION:
A) CARBIDE-TIPPED DRILL BITS ANSI B212.15-1994.
B) HOLES CLEANED OF DUST AND DEBRIS WITH A NYLON BRUSH AND A JET OF COMPRESSED AIR.
C) INSTALLATION AND ALLOWABLE LOADING:

HILTI HIT-HY200 HARD ROCK TEST VALUES CONCRETE						
ROD DIAM. (IN.)	BIT DIAM. (IN.)	MIN. EMBED. (IN.)	ALLOW. TENSION (LBS.)	LOAD SHEAR (LBS.)	MIN EDGE DIST. (IN.)	TIGHT TORQUE (FT. LBS.)
3/8	7/16	3-3/8	1,370	1,320	5-1/4	18
1/2	9/16	4-1/2	2,400	2,375	6-3/8	30
5/8	3/4	5-5/8	3,595	3,375	7-1/2	75
3/4	7/8	6-3/4	5,025	4,600	10-1/8	150
7/8	1	7-7/8	5,340	5,330	11-5/8	175
1	1-1/8	9	6,440	6,140	13-1/2	235
1-1/4	1-3/8	11-1/4	8,645	8,875	14-1/2	400

- CAPACITY LOADS ARE STRENGTH DESIGN LOADS.
- DO NOT INSTALL IN CONCRETE THAT IS LESS THAN 7 DAYS OLD.
- MINIMUM MEMBER THICKNESS TO RECEIVE ROD SHALL BE NO LESS THAN 1.5 TIMES THE ANCHOR EMBEDMENT DEPTH.
- ANCHORS SHALL BE INSTALLED IN HAMMER DRILLED HOLES

BROOKS RANSOM ASSOCIATES
 CONSULTING ENGINEERS
 1015 FAIRFIELD STREET, FAIRFIELD, CA 94504
 PH: (559) 449-8444 • FAX: (559) 449-8404

Southern BLEACHER COMPANY
 GRANDSTANDS • BLEACHERS • STADIUMS
 Established 1946

PO Box One, Graham, Texas 76450
 801 Fifth Street,
 Phone: 940/549-0733 Fax: 940/549-1365

GENERAL NOTES SHEET

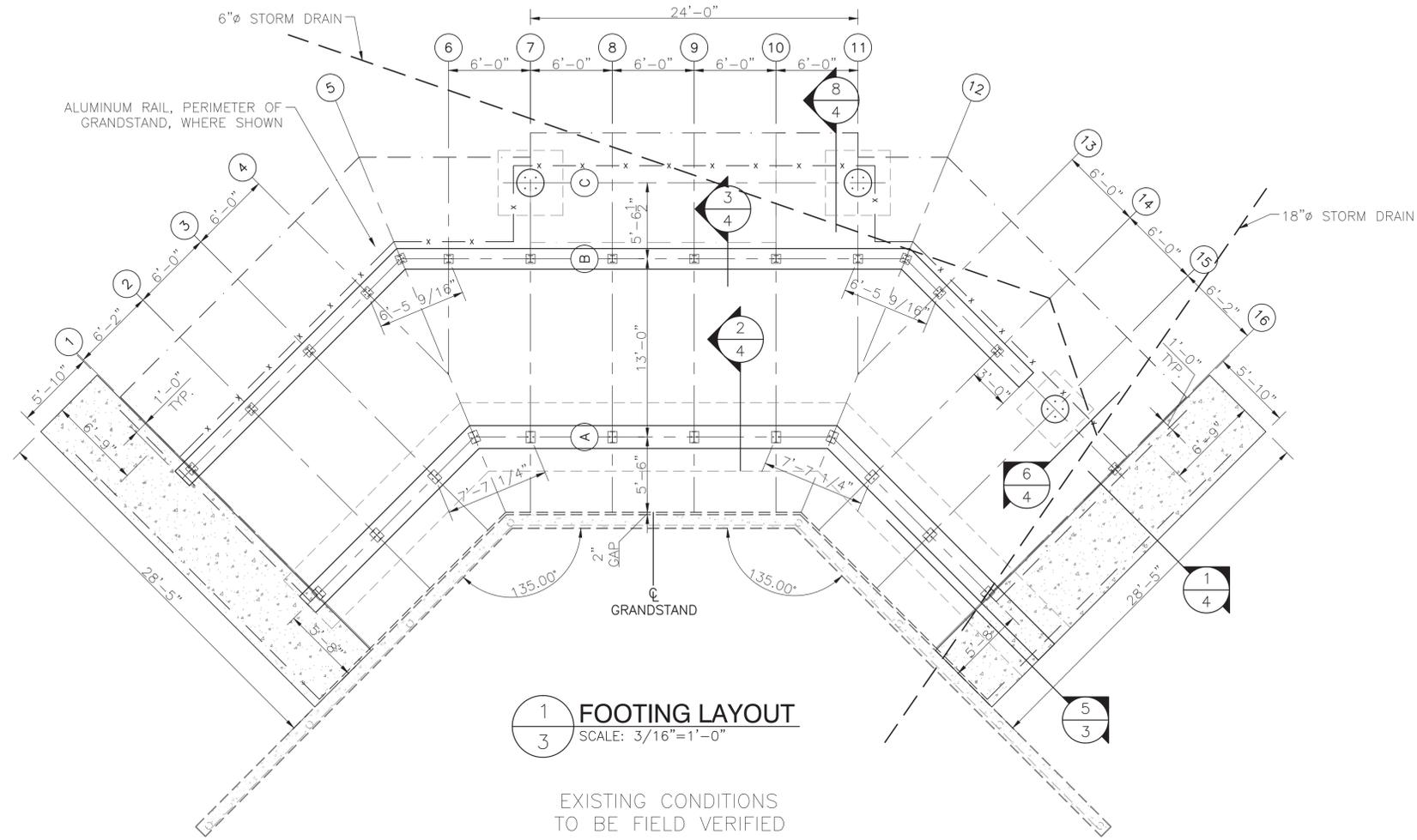
SOLANO COMMUNITY COLLEGE
 SOFTBALL BLEACHER
 FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	SMR
2	DMC		DMC

JOB NUMBER: **16273**
 SHEET **2** OF **19**

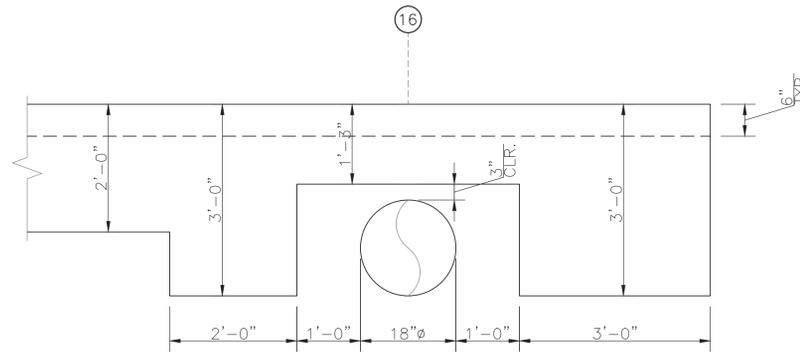
22" X 34" (11x17 = 1/2" indicated scale)

EXISTING SITE IS 5" REINFORCED SLAB ON GRADE, MUST BE SAW CUT AND REMOVED TO ALLOW FOR INSTALLATION OF BLEACHER FOUNDATIONS WHERE SHOWN. PATCH BACK WITH 5" SOG AT LOCATIONS REQUIRED



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

EXISTING CONDITIONS TO BE FIELD VERIFIED



2 "A" ROW DETAIL
NOT TO SCALE

BROOKS RANSOM ASSOCIATES CIVIL ENGINEERING & ARCHITECTURE 1001 PINE BLVD., SUITE 100, FAIRFIELD, CALIFORNIA 94504 PH: (559) 449-8444 • FAX: (559) 449-8404		1-1 DETAIL NUMBER 10-1 SHEET SHOWN ON
Southern BLEACHER COMPANY GRANDSTANDS • BLEACHERS • STADIUMS PO Box One, Graham, Texas 76450 801 Fifth Street, Phone: 940/549-0733 Fax: 940/549-1365 ESTABLISHED 1946		THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF BROOKS RANSOM INC. AND SOUTHERN BLEACHER COMPANY. IT MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN CONSENT OF BOTH BROOKS RANSOM INC. OR SOUTHERN BLEACHER COMPANY. THE INFORMATION CONTAINED HEREIN IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON UPON DEMAND. DRAWING IS PROTECTED UNDER U.S. AND INTERNATIONAL COPYRIGHT LAW.
TITLE: FOOTING LAYOUT / 10 ROWS X 26" TREAD PROJECT: SOLANO COMMUNITY COLLEGE SOFTBALL BLEACHER LOCATION: FAIRFIELD, CALIFORNIA		
REVISIONS NO. DATE DESCRIPTION 1 10/20/16 SMR DMC	CHECKED BY: SMR DATE: 10/20/16 DRAWN BY: DMC	JOB NUMBER: 16273 SHEET: 3 OF 19

22" X 34" (11x17 = 1/2 indicated scale)

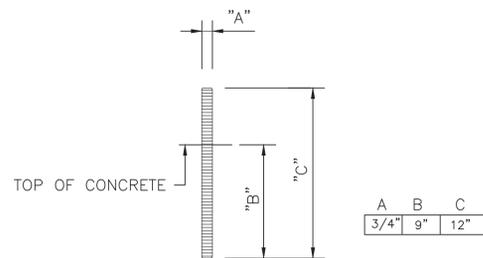


EXISTING CONDITIONS TO
BE FIELD VERIFIED

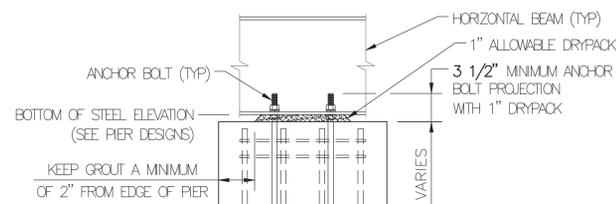
EXISTING CONCRETE PER
DSA #02-109982
TOP OF CONCRETE
PAD ELEV. 100'-0"



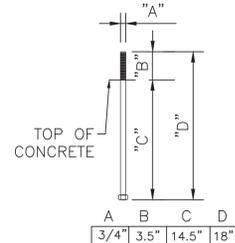
1
4 **MINIMUM
EXIT PAD DETAIL**
NOT TO SCALE



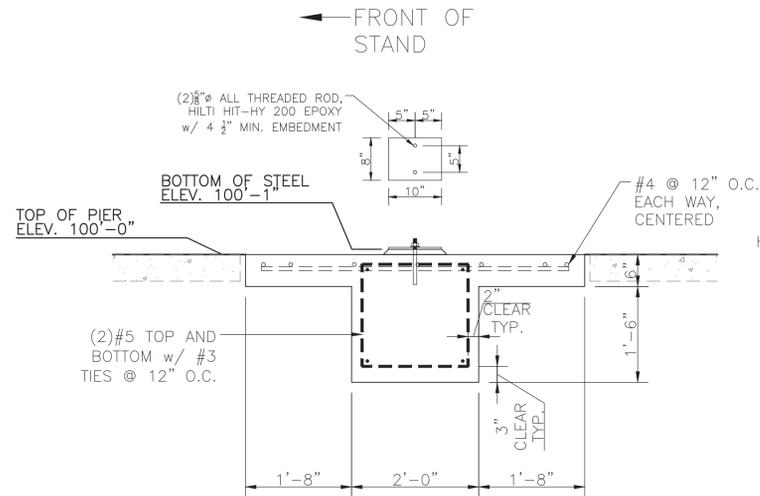
4
4 **THREADED ROD DETAIL**
NOT TO SCALE



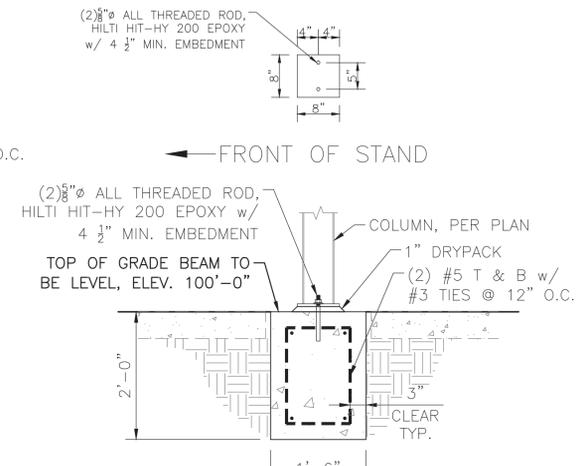
@ HORIZONTAL BEAM



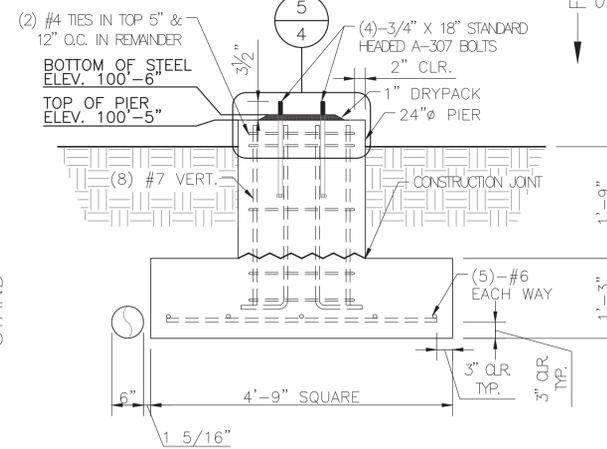
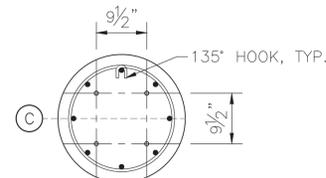
5
4 **TOP OF PIER DETAIL**
NOT TO SCALE



2
4 **"A" ROW GRADE BEAM DETAIL**
NOT TO SCALE



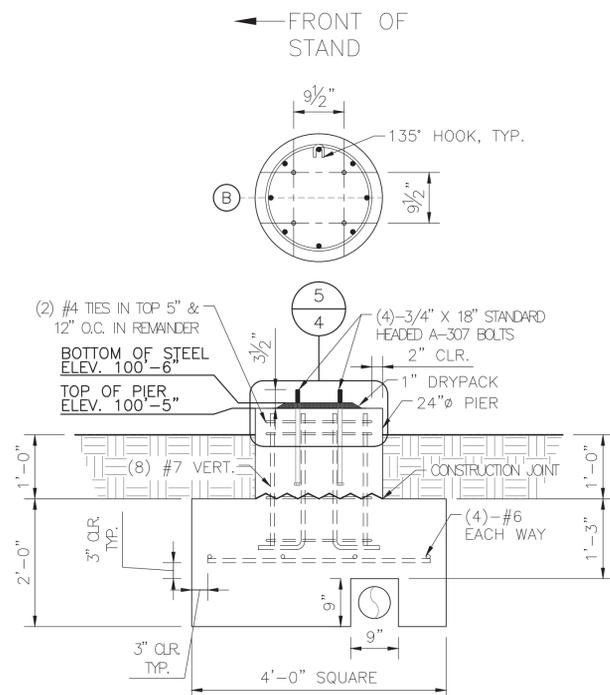
3
4 **"B" ROW GRADE BEAM DETAIL**
NOT TO SCALE



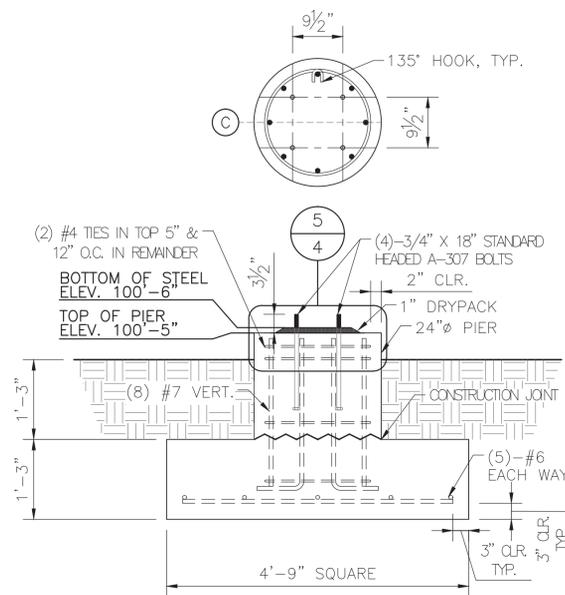
8
4 **PIER 11
"C" ROW PIER DETAIL**
NOT TO SCALE

FOUNDATION NOTES

1. CONTRACTOR REP SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
2. MAXIMUM HORIZ. TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE ± 1/8".
3. ALL ANCHOR BOLTS SHALL HAVE A 3" PROJECTION (± 1/8") ABOVE THE TOP OF CONCRETE ELEVATION, UNLESS SPECIFICALLY NOTED OTHERWISE.
4. THE CONCRETE FOUNDATION CONTRACTOR IS RESPONSIBLE FOR NON SHRINK GROUTING.
5. THE ELEVATION AT THE TOP OF THE CONCRETE IS DESIGNED TO BE 1" BELOW THE BOTTOM OF STEEL ELEVATION. THE TOLERANCE FOR THE BOTTOM OF STEEL ELEVATION IS ± 1/8". THE TOP OF CONCRETE ELEVATION MAY BE RAISED TO MATCH THE BOTTOM OF STEEL ELEVATION, AT THE CONCRETE CONTRACTORS DISCRETION. THE CONTRACTOR OF THE CONCRETE FOUNDATIONS IS RESPONSIBLE FOR ANY ADJUSTMENTS REQUIRED.
6. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING THE REVIEW PROCESS BY THE CONTRACTOR PRIOR TO FOUNDATION EXCAVATION.
7. REMOVE/RELOCATE THE UNDERGROUND UTILITIES AS REQUIRED WHERE UNDERGROUND UTILITIES CONFLICT WITH THE NEW FOOTINGS, UNLESS OTHERWISE NOTED.



6
4 **PIER 15
"B" ROW PIER DETAIL**
NOT TO SCALE



7
4 **PIER 7
"C" ROW PIER DETAIL**
NOT TO SCALE

DETAIL NUMBER
10
SHEET SHOWN ON

BROOKS RANSOM ASSOCIATES
10000 FAIRFIELD BLVD., SUITE 100
FAIRFIELD, CA 94533
PH: (559) 449-8744 • FAX: (559) 449-8404

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Established 1946

FOOTING DETAILS
MITER / 10 ROWS X 26" TREAD

SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	SMR
2	DMC	10/20/16	DMC

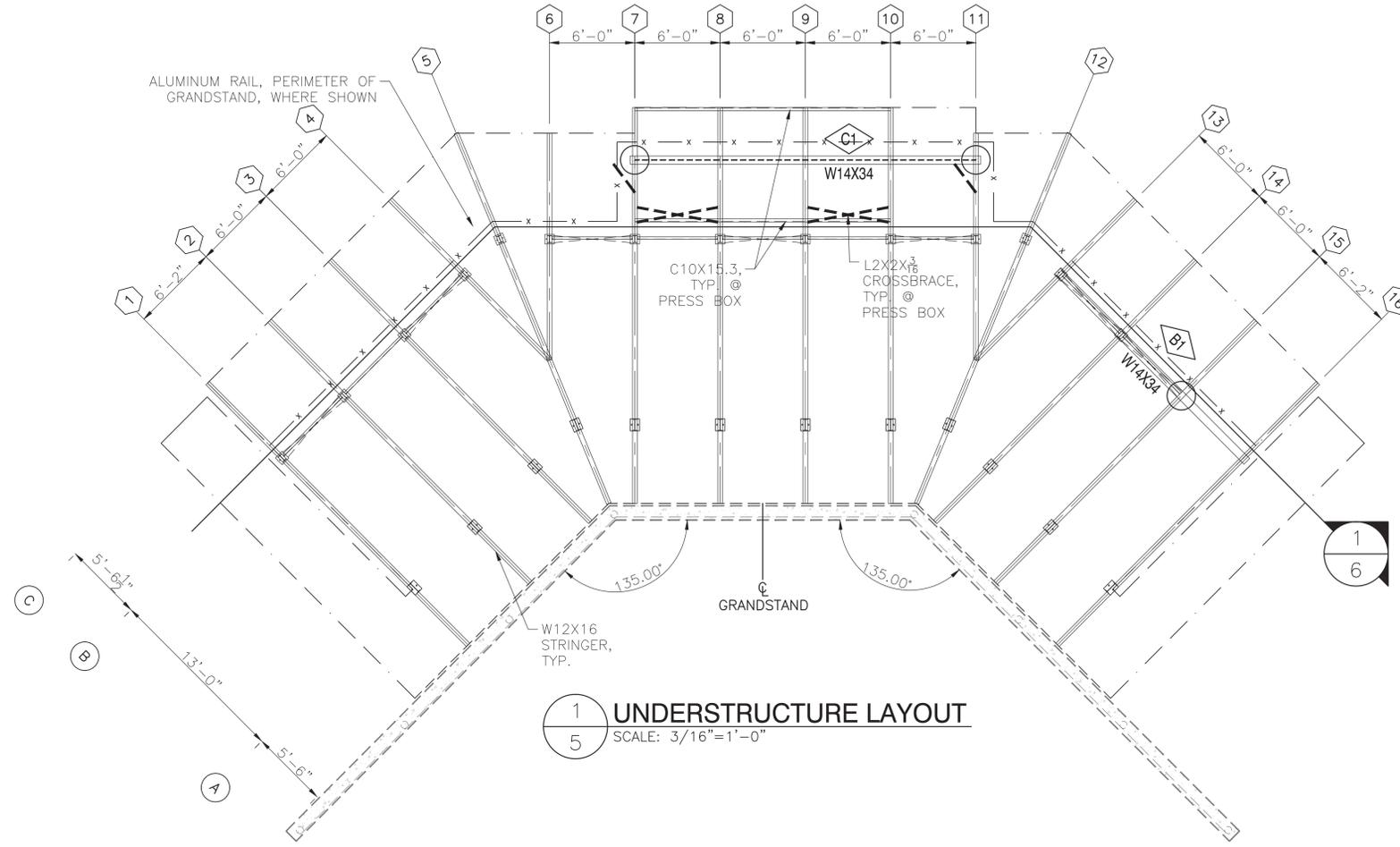
JOB NUMBER
16273

SHEET
4 OF
19

22" X 34" (11x17 = 1/2 indicated scale)



NOTE: SEATING LAYOUT SHOWN FOR REFERENCE ONLY, SEE SHEET 10 FOR SEATING LAYOUT



1 UNDERSTRUCTURE LAYOUT
5 SCALE: 3/16"=1'-0"

(A) = PIER LETTERS
(44) = STRINGER NUMBERS

BROOKS RANSOM ASSOCIATES
 CIVIL ENGINEERS, ARCHITECTS, PLANNERS
 10010 FAIRFIELD SUITE 100, FAIRFIELD, CALIFORNIA 94533
 PH: (559) 449-8444 • FAX: (559) 449-8404

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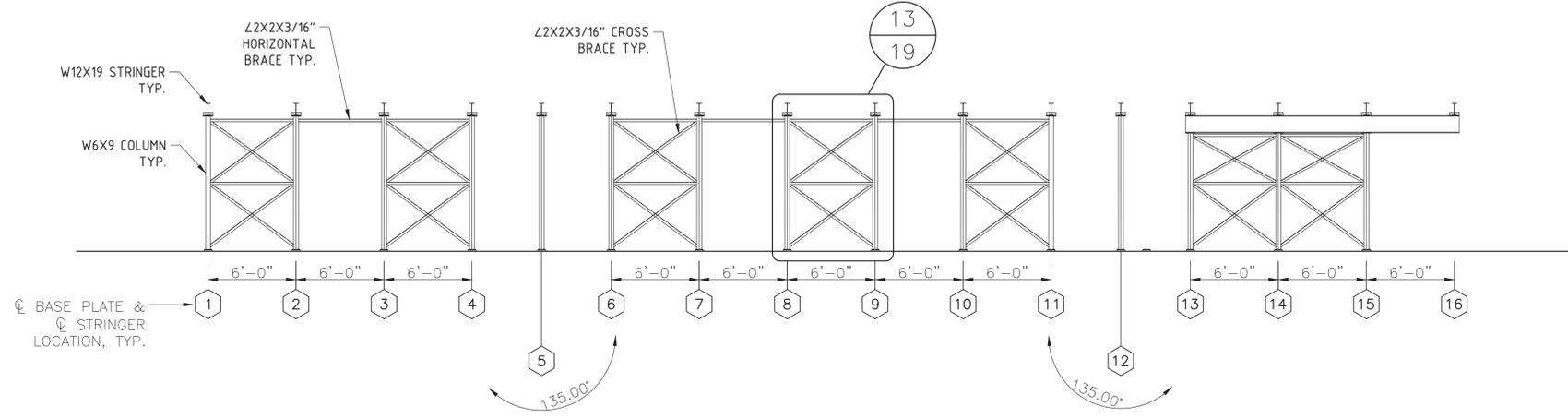
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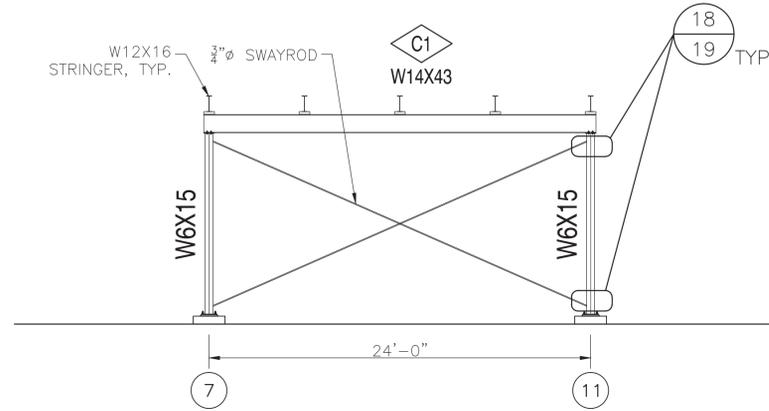
DATE	10/20/16	SMR	DMC
REVISION	DATE	DESCRIPTION	
1		UNDERSTRUCTURE LAYOUT	
2		MITER / 10 ROWS X 26" TREAD	
TITLE SOLANO COMMUNITY COLLEGE SOFTBALL BLEACHER FAIRFIELD, CALIFORNIA			
JOB NUMBER	16273		
SHEET	5	OF	19

22" X 34" (1/2" indicated scale)





1 "B" ROW ELEVATION VIEW
6 NOT TO SCALE



2 "C" ROW ELEVATION VIEW
6 NOT TO SCALE

1-1 DETAIL NUMBER
10-1 SHEET SHOWN ON

BROOKS RANSOM ASSOCIATES
ARCHITECTS
10000 UNIVERSITY AVENUE, SUITE 100
FAIRFIELD, CALIFORNIA 94533
PH: (559) 449-8444 • FAX: (559) 449-8404

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801 Fifth Street,
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Established 1946

SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

ELEVATION VIEWS
MITER / 10 ROWS X 26" TREAD

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	SMR11/21/16
2	DMC		SMR11/14/16
			CLIENT CHANGES
			CLIENT CHANGES

JOB NUMBER
16273
SHEET **6** OF **19**

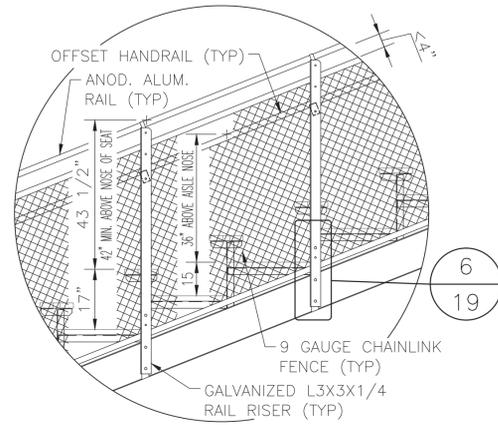


22" X 34" (11x17 = 1/2 indicated scale)

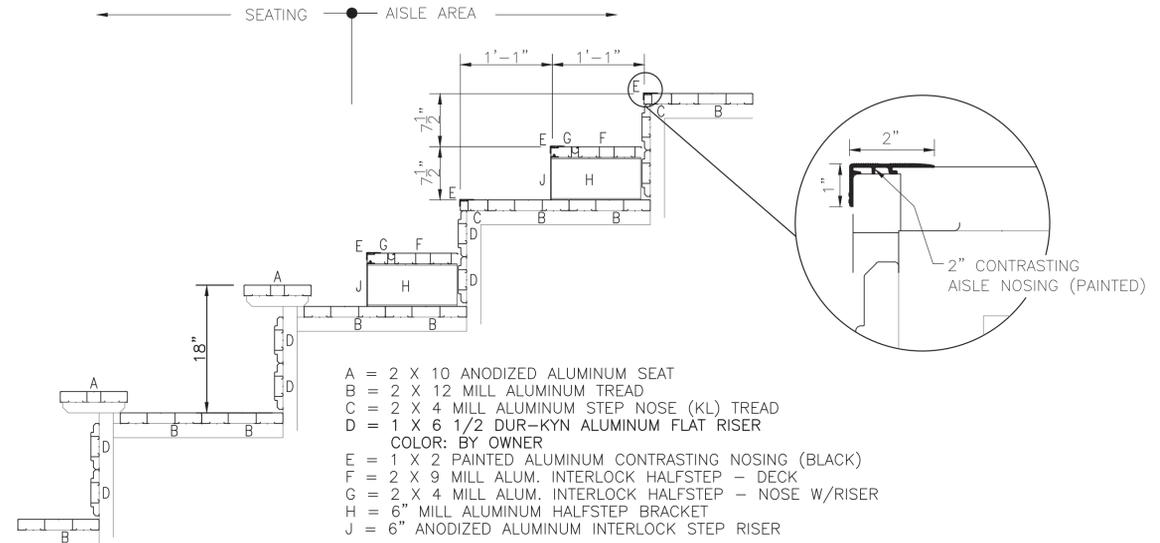
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ITEM DESCRIPTION

- ① W 12 X 16 (50 ksi)
- ② W 10 X 12 (50 ksi)
- ③ W 6 X 9 (50 ksi)
- ④ L 3 X 3 X 1/4 (50 ksi)
- ⑤ L 2 X 2 X 3/16 (50 ksi)
- ⑥ L 2 X 1 1/2 X 3/16 (50 ksi)
- ⑦ L 2 X 1 1/2 X 3/16 (50 ksi)
- ⑧ 10 X 8 X 3/8 PLATE
- ⑨ 8 X 8 X 1/2 PLATE
- ⑩ 5/8" ALL THREADED ROD HILTI HIT-HY 200 EPOXY w/ 5 5/8" MIN. EMBEDMENT
- ⑪ 9 GAUGE CHAINLINK FENCE
- ⑫ ANODIZED ALUMINUM RAIL
- ⑬ 2 X 1/4 GUSSET PLATE (A36)
- ⑭ W 14 X 22 (50 ksi)
- ⑮ 3/4 X 18 ANCHOR BOLT W/2 HEX HEAD NUTS & FLAT WASHER
- ⑯ 12 X 12 X 5/8 PLATE
- ⑰ 6 X 8 X 3/8 PLATE
- ⑱ 3 X 3/8 GUSSET PLATE (A36)

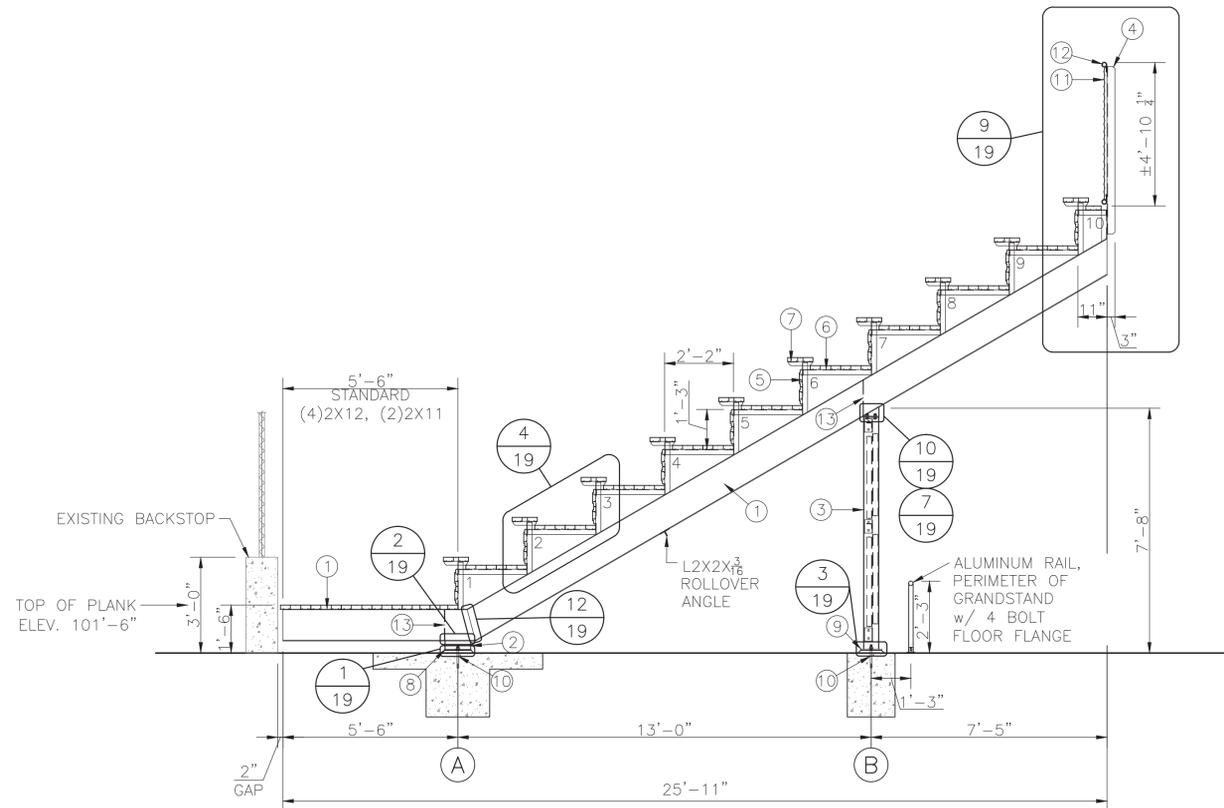


② SIDE RAILING @ END AISLE
⑦ NOT TO SCALE

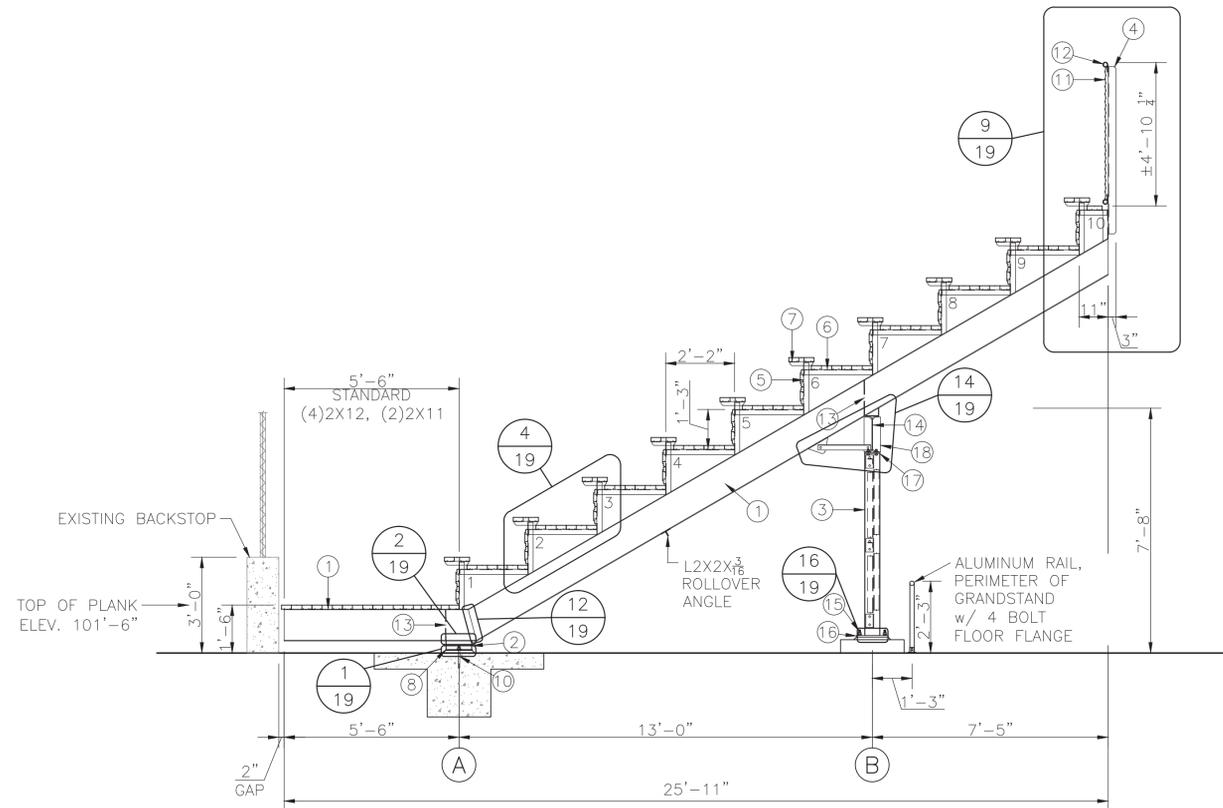


③ PLANK ARRANGEMENT
⑦ NOT TO SCALE 15" X 26"

- A = 2 X 10 ANODIZED ALUMINUM SEAT
- B = 2 X 12 MILL ALUMINUM TREAD
- C = 2 X 4 MILL ALUMINUM STEP NOSE (KL) TREAD
- D = 1 X 6 1/2 DUR-KYN ALUMINUM FLAT RISER
- COLOR: BY OWNER
- E = 1 X 2 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)
- F = 2 X 9 MILL ALUM. INTERLOCK HALFSTEP - DECK
- G = 2 X 4 MILL ALUM. INTERLOCK HALFSTEP - NOSE W/RISER
- H = 6" MILL ALUMINUM HALFSTEP BRACKET
- J = 6" ANODIZED ALUMINUM INTERLOCK STEP RISER



① SECTION VIEW - LEFT
⑦ SCALE: 3/8"=1'-0"



④ SECTION VIEW - RIGHT
⑦ SCALE: 3/8"=1'-0"

BROOKS RANSOM ASSOCIATES
 ARCHITECTS
 1015 N. FAIRVIEW BLVD., SUITE 100, FAIRFIELD, CA 94504
 PH: (559)449-8444 • FAX: (559)449-8404

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 PO Box One, Graham, Texas 76450
 801 Fifth Street
 Phone: 940/549-0733 Fax: 940/549-1365
 Established 1946

SECTION VIEWS
 10 ROWS / 15" RISE X 26" TREAD
 SOLANO COMMUNITY COLLEGE
 SOFTBALL BLEACHER
 FAIRFIELD, CALIFORNIA

REV	DATE	DESCRIPTION
1	10/20/16	SMR
2		DMC

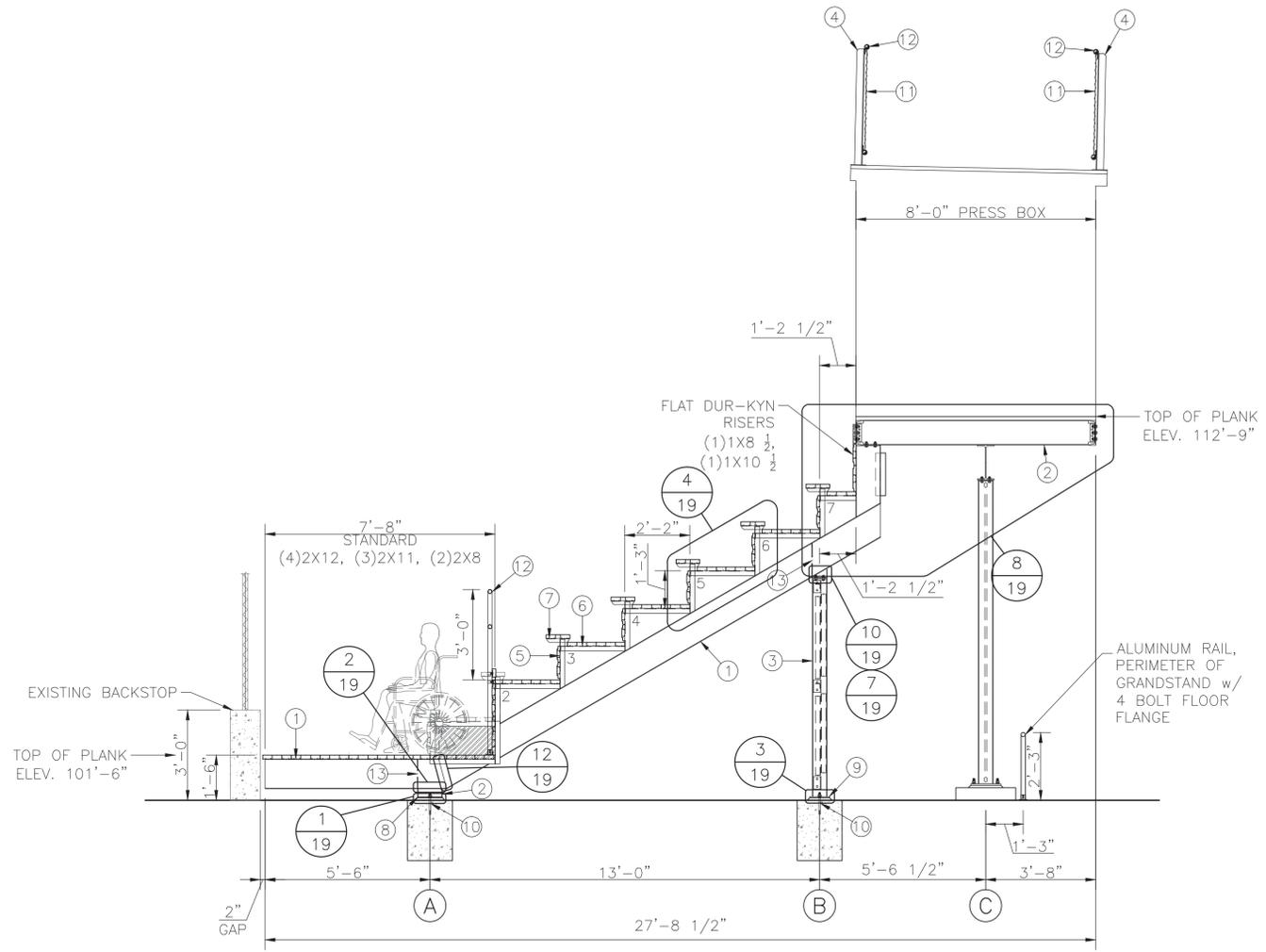
JOB NUMBER: **16273**
 SHEET: **7** OF **19**

22" X 34" (11x17 = 1/2 indicated scale)



ITEM DESCRIPTION

- ① W 12 X 16 (50 ksi)
- ② W 10 X 12 (50 ksi)
- ③ W 6 X 9 (50 ksi)
- ④ L 3 X 3 X 1/4 (50 ksi)
- ⑤ L 2 X 2 X 3/16 (50 ksi)
- ⑥ L 2 X 1 1/2 X 3/16 (50 ksi)
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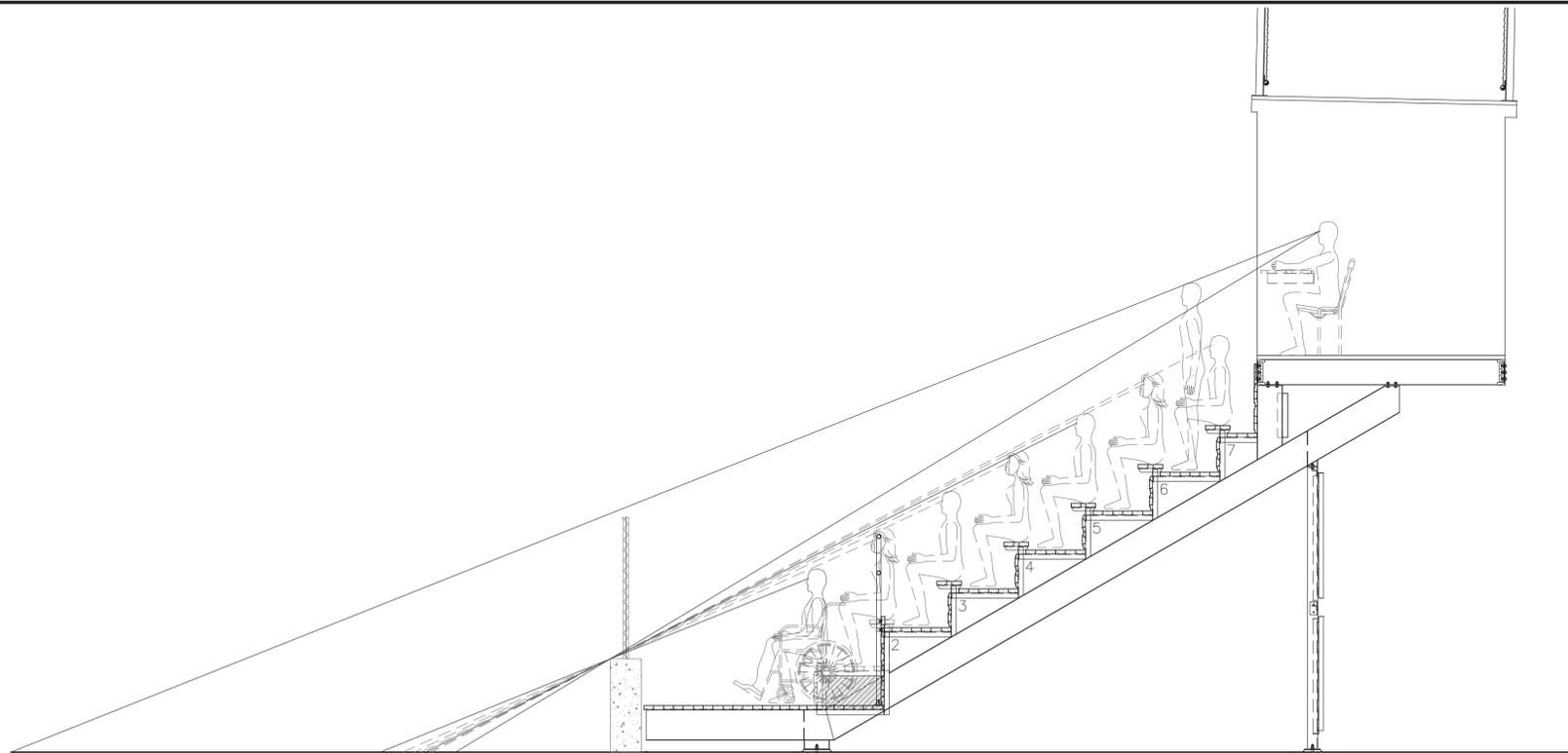


1 SECTION VIEW @ PRESS BOX
8 SCALE: 3/8"=1'-0"

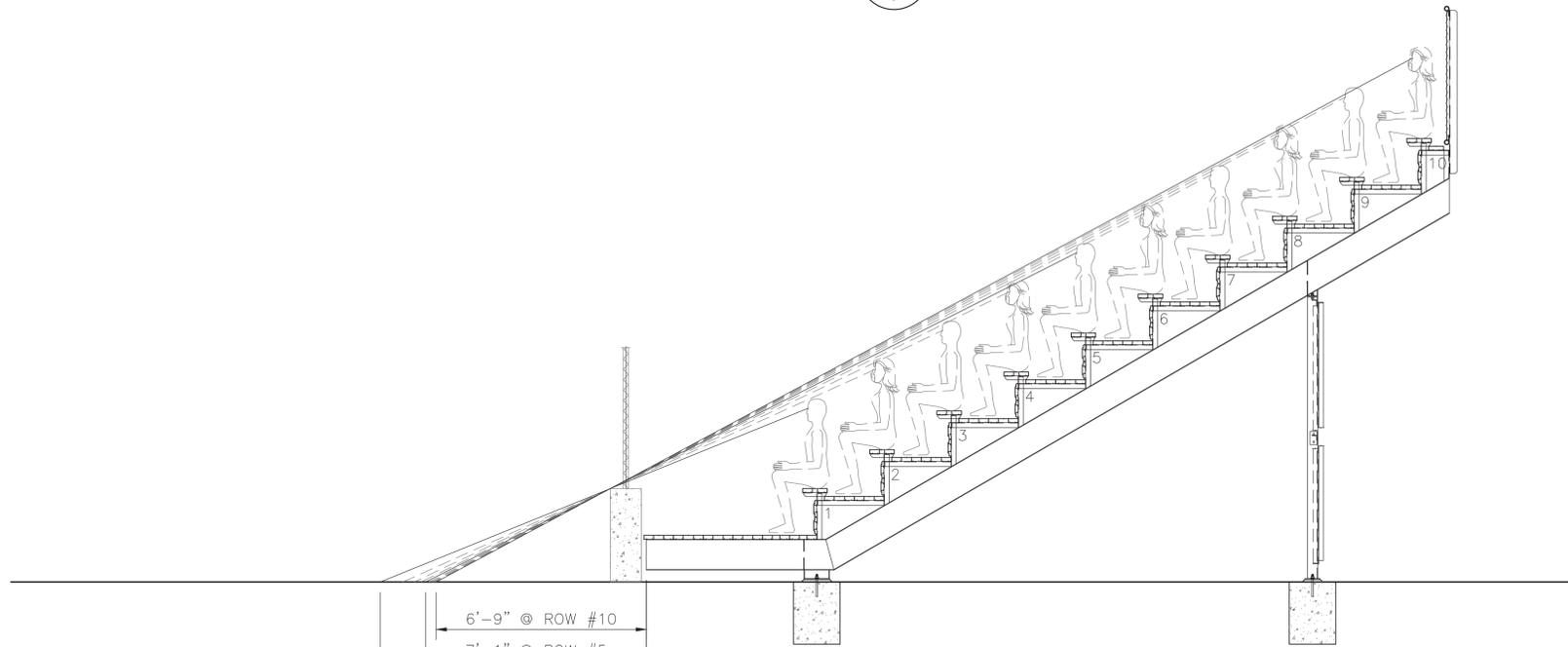
	BROOKS RANSOM ASSOCIATES ARCHITECTS 1001 PLYMOUTH STREET, SUITE 100, FAIRFIELD, CALIFORNIA 94504 PH: (559)449-8444 • FAX: (559)449-8404	1-1 10 DETAIL NUMBER SHEET SHOWN ON	THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF BROOKS RANSOM INC. AND SOUTHERN BLEACHER COMPANY. IT MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN CONSENT OF BOTH BROOKS RANSOM INC. OR SOUTHERN BLEACHER COMPANY. THE INFORMATION CONTAINED HEREIN IS INTENDED FOR THE USE OF THE CLIENT UPON DEMAND. DRAWING IS PROTECTED UNDER U.S. AND INTERNATIONAL COPYRIGHT LAW.
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SECTION VIEWS 10 ROWS / 15" RISE X 26" TREAD		SOLANO COMMUNITY COLLEGE SOFTBALL BLEACHER FAIRFIELD, CALIFORNIA	
REV. BY DATE DESCRIPTION 10/20/16 SMR DMC JOB NUMBER SHEET OF	16273 8 OF 19		



22" X 34" (11x17 = 1/2 indicated scale)



2 SIGHT LINES @ PRESS BOX
SCALE: 3/8"=1'-0"



1 SIGHT LINES
SCALE: 3/8"=1'-0"

6'-9" @ ROW #10
7'-1" @ ROW #5
8'-7" @ ROW #1

6'-9" @ ROW #10
7'-1" @ ROW #5
8'-7" @ ROW #1

1-11
107
DETAIL NUMBER
SHEET SHOWN ON

BROOKS RANSOM ASSOCIATES
ARCHITECTS
10010 PLYMOUTH BLVD., SUITE 100
DALLAS, TEXAS 75243
PH: (559)449-8444 • FAX: (559)449-8404

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TYPE
SIGHT LINES
10 ROWS / 15" RISE X 26" TREAD

TITLE
SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	CLIENT CHANGES
2	DMC	11/17/16	CLIENT CHANGES
3	SMR	11/14/16	CLIENT CHANGES

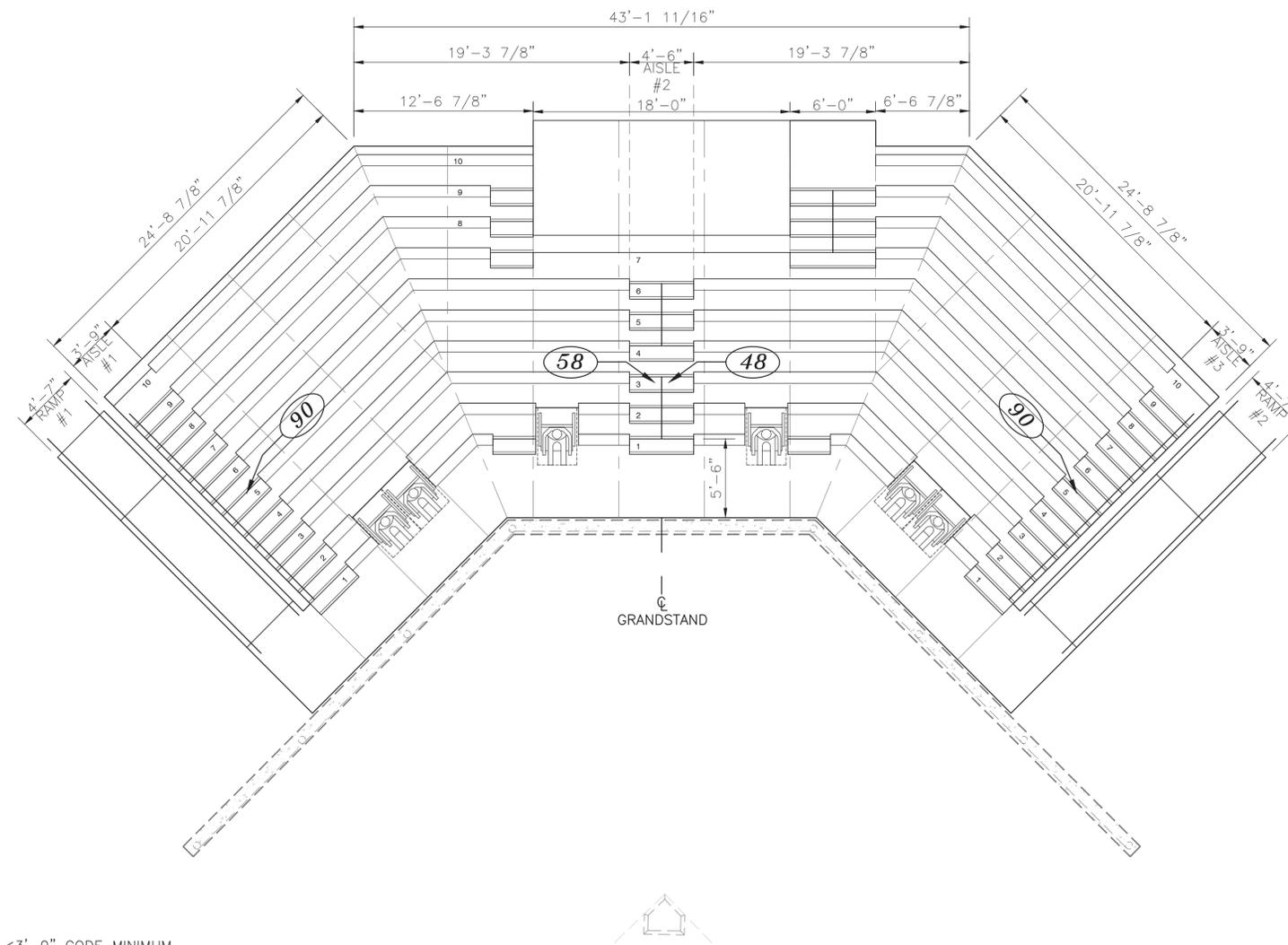
JOB NUMBER
16273

SHEET
9

OF
19

22" X 34" (1/2" indicated scale)





CBC 2013:
 PROVIDE 0.08" WIDTH PER SEAT FOR AISLES & STAIRS:
 EQUIVALENT TO 150 PEOPLE PER FOOT.
 PROVIDE 0.08" WIDTH PER SEAT FOR RAMPS:
 EQUIVALENT TO 200 PEOPLE PER FOOT.

AISLE WIDTH CALCULATIONS:
 AISLE #1
 REQUIRED AISLE WIDTH = 108 SEATS X 0.08" PER SEAT = 7.2" <3'-0" CODE MINIMUM
 <3'-9" PROVIDED - OK

AISLE #2
 REQUIRED AISLE WIDTH = 106 SEATS X 0.08" PER SEAT = 8.48" <4'-0" CODE MINIMUM
 <4'-6" PROVIDED - OK

AISLES #3
 REQUIRED AISLE WIDTH = 90 SEATS X 0.08" PER SEAT = 7.2" <4'-0" CODE MINIMUM
 <4'-6" PROVIDED - OK

AISLE ACCESSWAY:
 26" TREAD DEPTH
 CLEAR WIDTH = DEPTH (26") LESS SEAT WIDTH (9.5") = 16.5"
 21 SEATS FIRST 12" CLEAR = 21 SEATS
 .03" EACH ADDITIONAL SEAT: 16.5"-12" / 0.3" = 15 SEATS
 MAXIMUM SEATS BETWEEN AISLES: 36 SEATS
 MAXIMUM WIDTH BETWEEN AISLES: 36 X 1.5' / SEAT = 54'-0"
 MAXIMUM ROW LENGTH = 33'-6 3/4" OK

EXIT WIDTH CALCULATIONS:
 RAMP #1 & #2 (2) @ 4'-7" = 9'-2"
 9'-2" TOTAL RAMP EXIT WIDTH

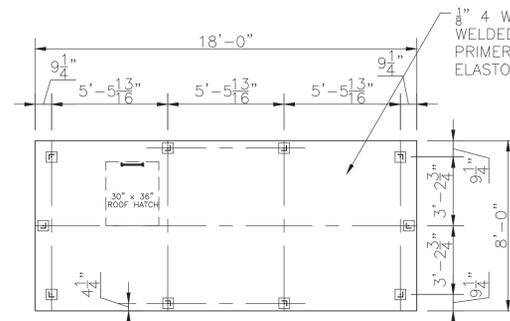
RAMP EXIT CAPACITY = 9'-2" X 200 PEOPLE PER FOOT = 1833 RAMP EXIT CAPACITY FURNISHED
 1833 TOTAL EXIT CAPACITY (ACTUAL CAPACITY 314)

1 AISLE / EXIT CALCULATIONS
 10 SCALE: 3/16"=1'-0"

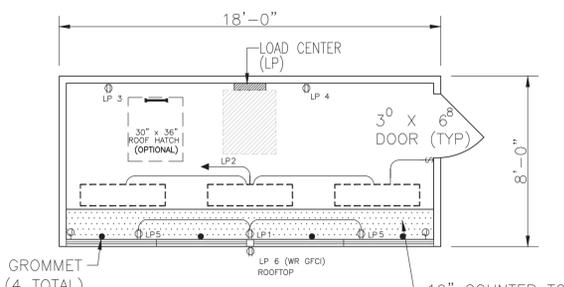
BROOKS RANSOM ASSOCIATES ARCHITECTS 1015 N. FAIRFIELD BLVD., SUITE 100, FAIRFIELD, CALIFORNIA 94504 PH: (559)449-8444 • FAX: (559)449-8404		1-11 DETAIL NUMBER 10 SHEET SHOWN ON
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TYPE SEATING LAYOUT MITER / 10 ROWS X 26" TREAD	TITLE SOLANO COMMUNITY COLLEGE SOFTBALL BLEACHER FAIRFIELD, CALIFORNIA	
REVISIONS NO. DATE DESCRIPTION 1 10/20/16 SMR DMC	DRAWN CHECKED CLIENT CHANGES CLIENT CHANGES	JOB NUMBER 16273 SHEET 11 OF 19

22" X 34" (1/2" indicated scale)

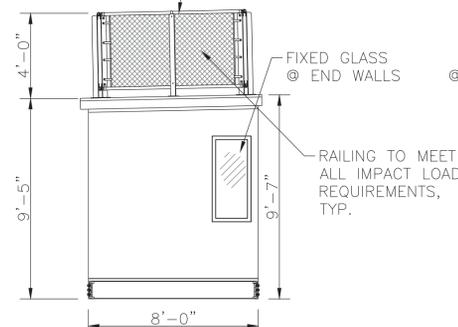




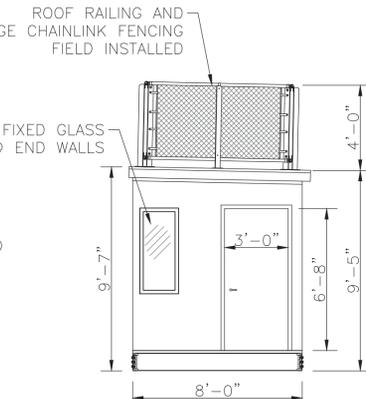
1 ROOF RAIL LAYOUT
SCALE: 1/4"=1'-0"



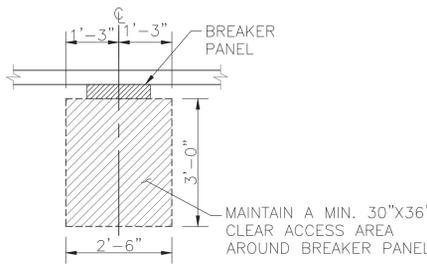
2 PLAN VIEW
SCALE: 1/4"=1'-0"



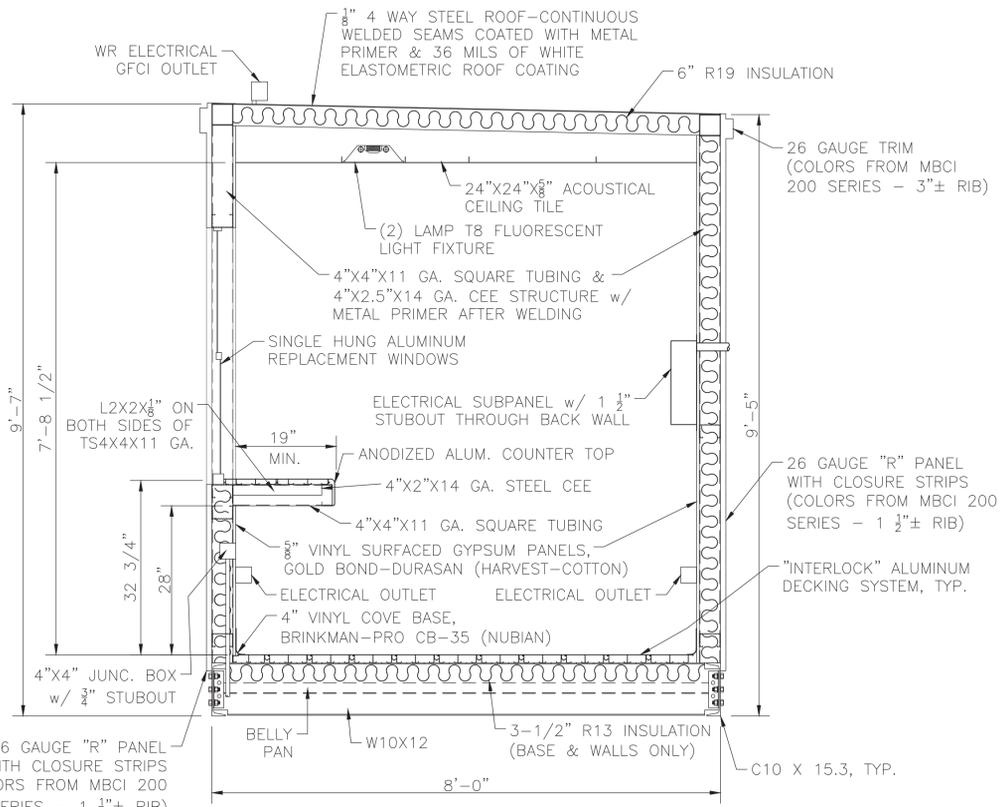
5 SIDE VIEW
SCALE: 1/4"=1'-0"



5 SIDE VIEW
SCALE: 1/4"=1'-0"



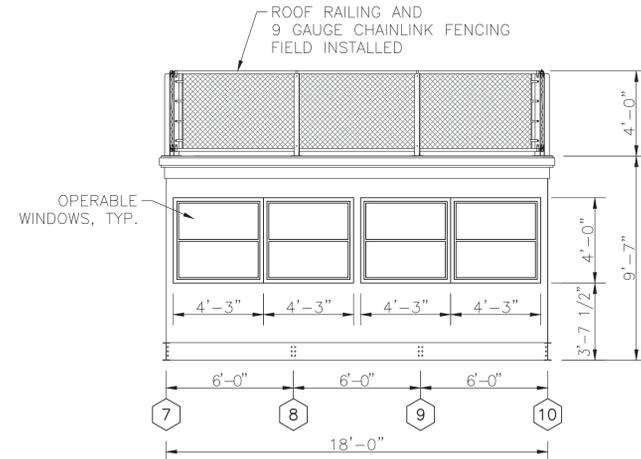
7 BREAKER PANEL ACCESS
NOT TO SCALE



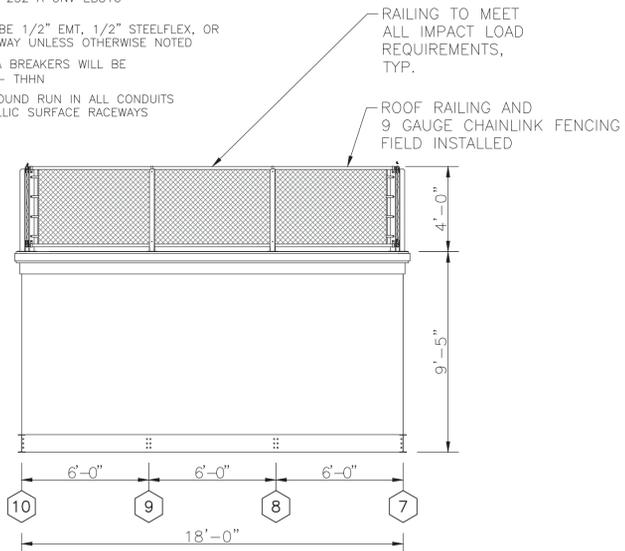
6 SECTION VIEW
SCALE: 3/4"=1'-0"

LOAD CENTER SCHEDULE									
PANEL LP	100 AMP - 16 CIRCUIT W/ EQUIPMENT GROUND	240/120 VOLTS	1 PH.						
MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE		10,000 SYN. A.I.C. MIN.	100 AMP MAIN BREAKER						
BREAKER #	SIZE POLE	CIR.	A	B	CIR.	BREAKER #	SIZE POLE		
RECPT. FRONT WALL	20	1	1		2	20	1	(4)	1'x4' 2 LAMP RECESSED
RECPT. BACK WALL	20	1	3		4	20	1	RECPT. BACK WALL	
2 RECPTACLES FRONT WALL	20	1	5		8	20	1	RECPT. ROOFTOP	
SPARE	20	1	7		8	20	1	SPARE	
SPACE			9		10			SPACE	
SPACE			11		12			SPACE	
SPACE			13		14			SPACE	
SPACE			15		16			SPACE	

- ① 15A. 125V. DUPLEX RECPT.
- ② 15A. 125V. SINGLE POLE SWITCH
- ③ 15A. 125V. SINGLE POLE SWITCH
- ④ 4x4x2 1/8" JUNCTION BOX W/ 3/4" STUBOUT
- ⑤ 1'x4' - 2 BULB FLUORESCENT FIXTURE METALUX GR8 232 A UNV EB81U OR EQUAL
- ⑥ CONDUIT WILL BE 1/2" EMT, 1/2" STEELFLEX, OR SURFACE RACEWAY UNLESS OTHERWISE NOTED
- ⑦ WIRING ON 20A BREAKERS WILL BE #12 = THWN - THHN
- ⑧ EQUIPMENT GROUND RUN IN ALL CONDUITS OR NON-METALLIC SURFACE RACEWAYS

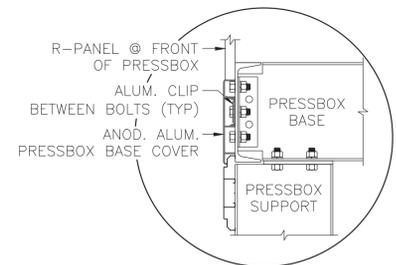


3 FRONT ELEVATION VIEW
SCALE: 1/4"=1'-0"



4 REAR ELEVATION VIEW
SCALE: 1/4"=1'-0"

NOTES:
WALL PANELS ARE ATTACHED WITH #12 TEK SCREWS - 6" O.C. AT THE TOP AND BOTTOM OF THE PANELS AND 12" O.C. AT ANY INTERMEDIATE BRACE.
LAP SCREWS ARE PLACED AT EACH END OF THE PANELS, AT THE INTERMEDIATE SUPPORTS AND AT THE MID POINT BETWEEN SUPPORTS (TEK #14)



8 PRESS BOX BASE TRIM DETAIL
NOT TO SCALE

BROOKS RANSOM ASSOCIATES
ARCHITECTS
1015 N. FAIRVIEW AVE., SUITE 100, FAIRFIELD, CA 94504
PH: (559) 449-8744 • FAX: (559) 449-8404

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76650
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

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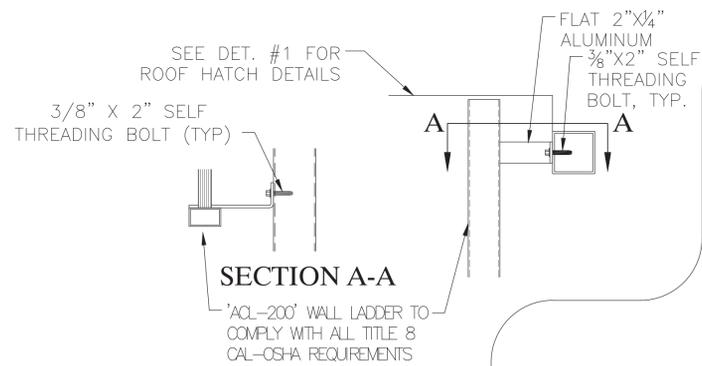
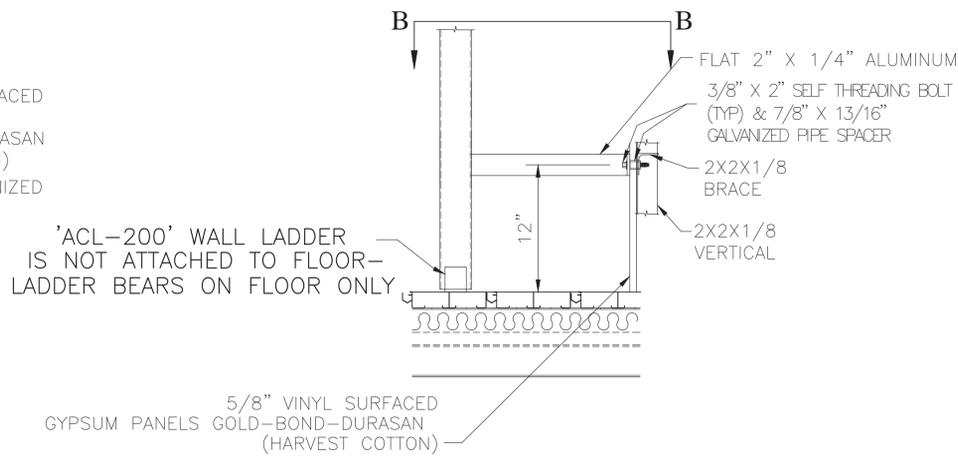
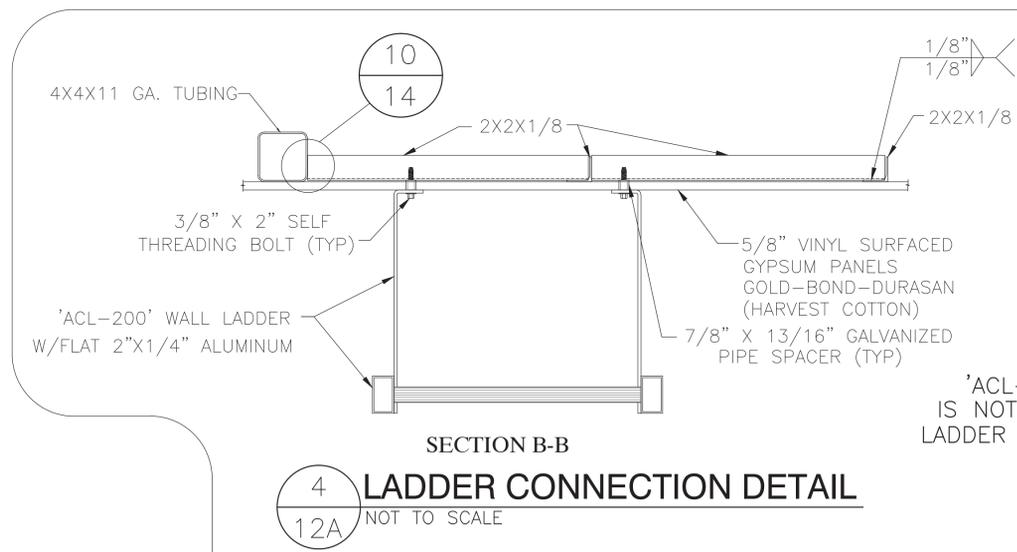
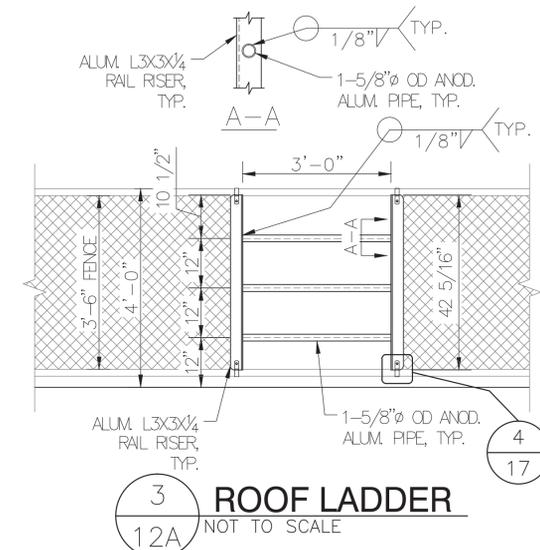
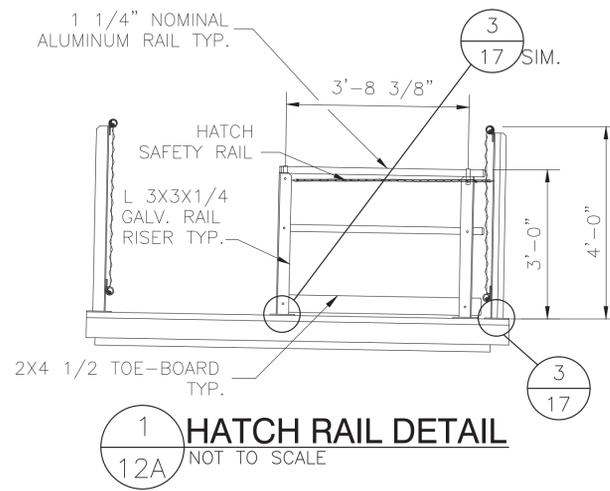
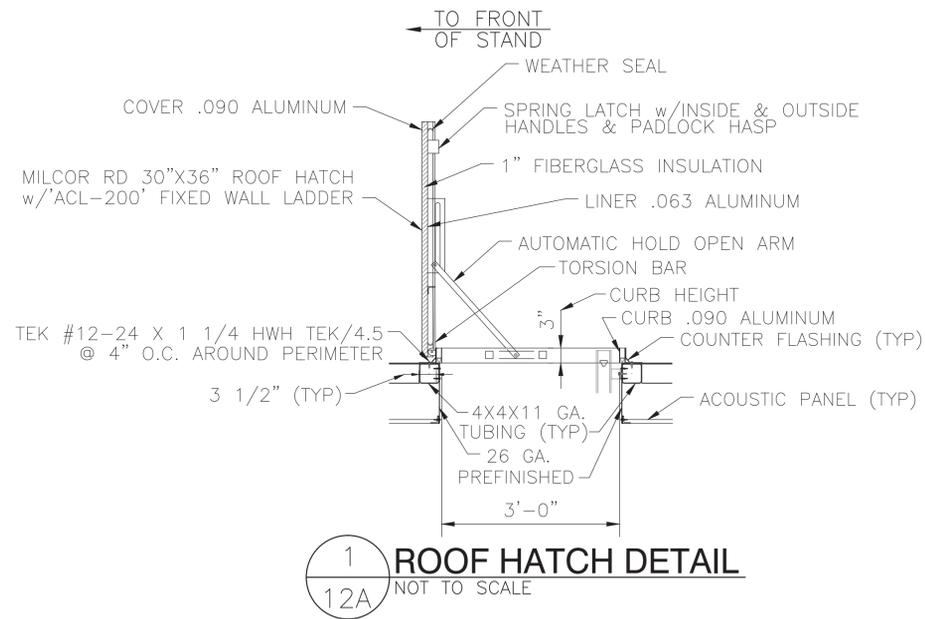
TYPE: PRESS BOX SHEET
8'-0" x 18'-0" PRESSBOX

TITLE: SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	CLIENT CHANGES
2	DMC	11/17/16	CLIENT CHANGES
3	DMC	11/17/16	CLIENT CHANGES

DATE: 10/20/16
JOB NUMBER: 16273
SHEET: 12 OF 19

22" x 34" (11x17 = 1/2 indicated scale)



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BROOKS RANSOM ASSOCIATES
10101 FAIRVIEW DRIVE, SUITE 100
FAIRFIELD, CALIFORNIA 94533
PH: (559)449-8444 • FAX: (559)449-8404

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801 Fifth Street,
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Established 1946

PRESS BOX LADDER DETAIL
8'-0" X 18'-0" PRESSBOX

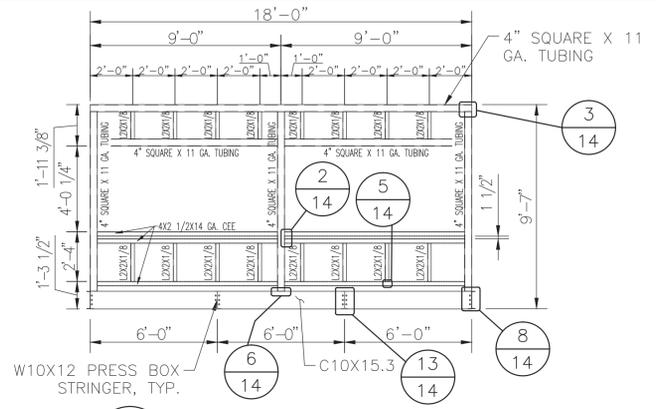
SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

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2	SMR	11/21/16	DATE
3	SMR	11/14/16	DATE

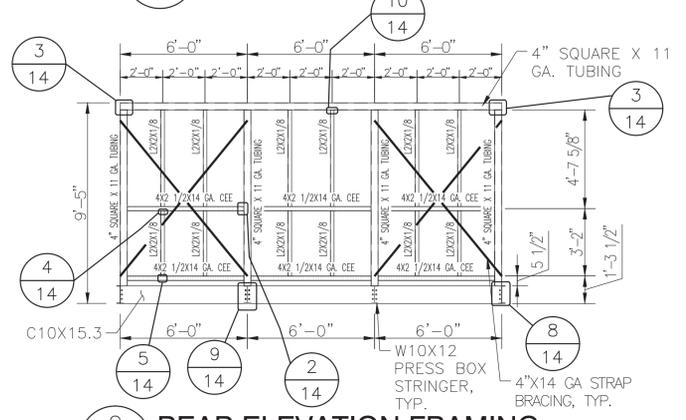
JOB NUMBER
16273
SHEET
12 OF
12A

22" X 34" (11x17 = 1/2 indicated scale)

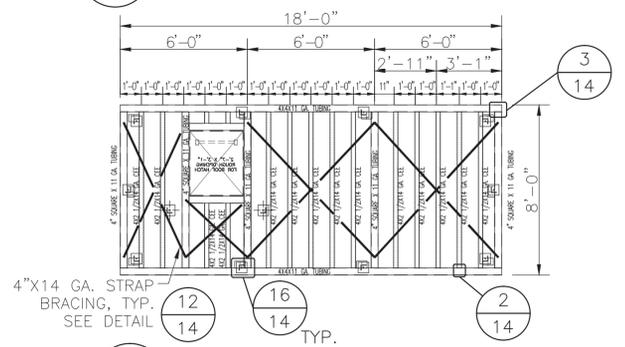




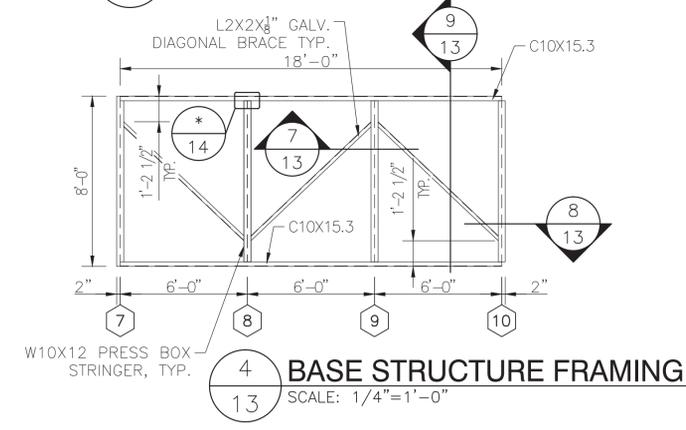
1 FRONT ELEVATION FRAMING
SCALE: 1/4"=1'-0"



2 REAR ELEVATION FRAMING
SCALE: 1/4"=1'-0"

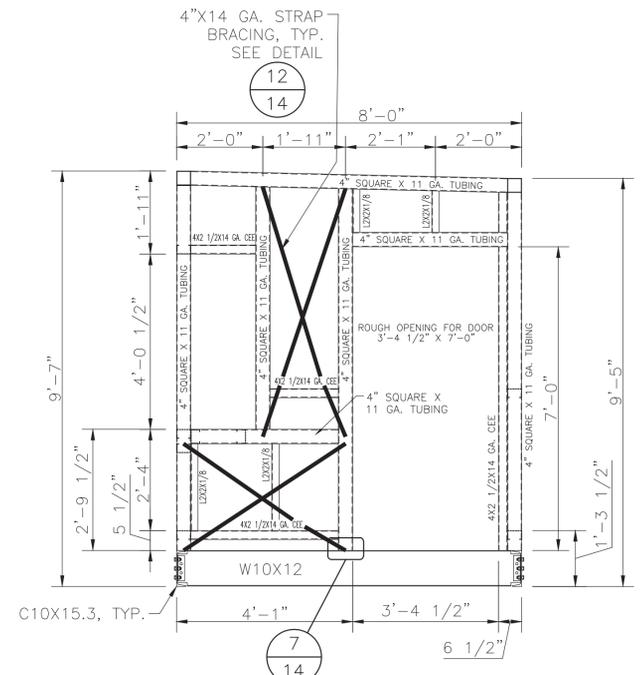


3 ROOF FRAMING
SCALE: 1/4"=1'-0"

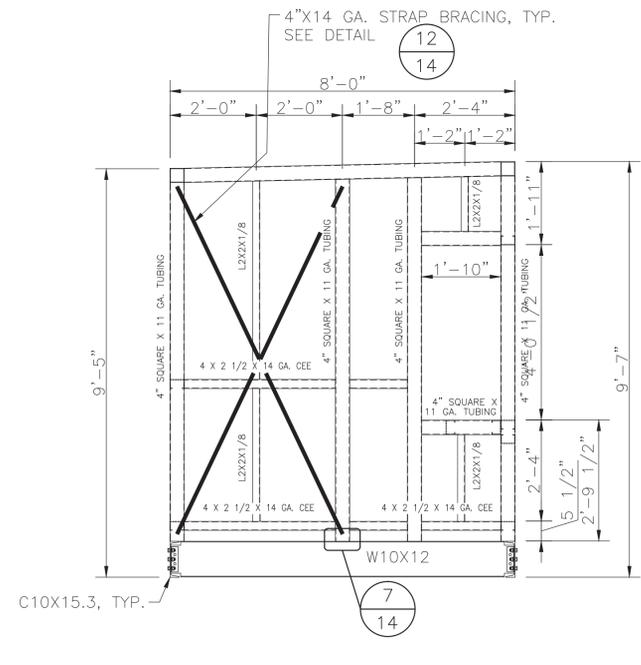


4 BASE STRUCTURE FRAMING
SCALE: 1/4"=1'-0"

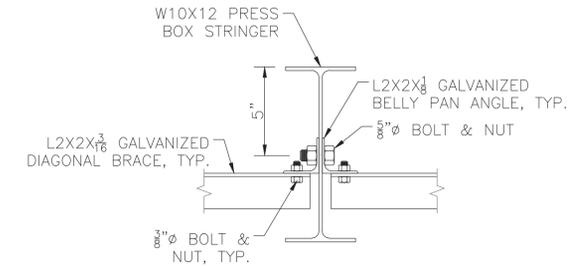
STEEL PROPERTIES			
TUBE	4" SQUARE X 11 GA. TUBE	A 500 GRADE A or B	45ksi
ANGLE	L2X2X1/8"	A572	50ksi
CEES	4X2 1/2X14 GA.	A1011 cs TYPE B	33ksi
FLAT STRAP	4" X 14 GA.	A1011 cs TYPE B	33ksi
ROOF PLATE	1/8"	A1011 cs TYPE B	33ksi



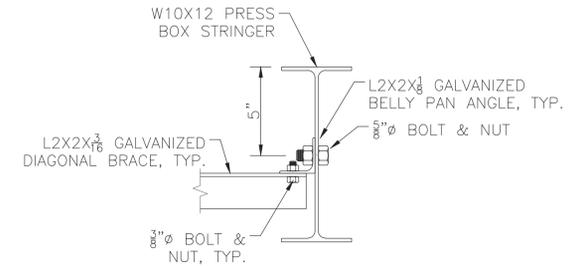
5 SIDE STRUCTURAL LAYOUT (RIGHT END)
SCALE: 1/2"=1'-0"



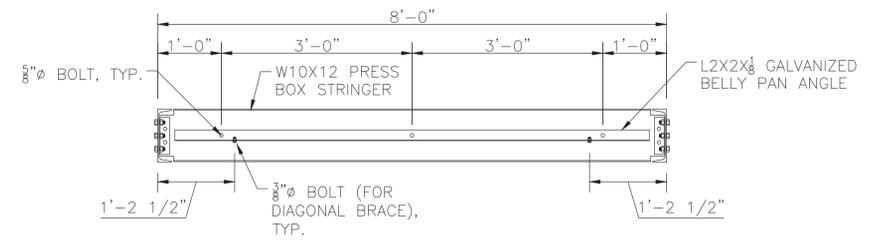
6 SIDE STRUCTURAL LAYOUT (LEFT END)
SCALE: 1/2"=1'-0"



7 BELLY PAN ATTACHMENT
NOT TO SCALE



8 BELLY PAN ATTACHMENT
NOT TO SCALE



9 BELLY PAN ANGLE ATTACHMENT
NOT TO SCALE

BROOKS RANSOM ASSOCIATES
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1001 PINE BLVD., SUITE 100
FAIRFIELD, CA 94504
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PO Box One, Graham, Texas 76450
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

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TYPE PRESS BOX FRAMING SHEET
8'-0" X 18'-0" PRESSBOX

TITLE SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

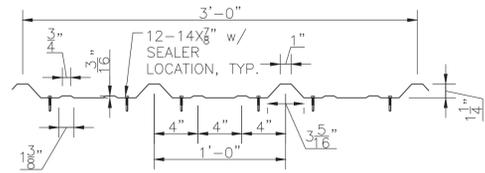
REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	CLIENT CHANGES
2	DMC	11/17/16	CLIENT CHANGES
3	DMC	11/17/16	CLIENT CHANGES

JOB NUMBER **16273**

SHEET **13** OF **19**

22" X 34" (11x17 = 1/2" indicated scale)

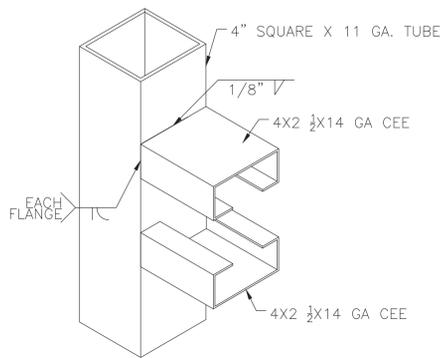




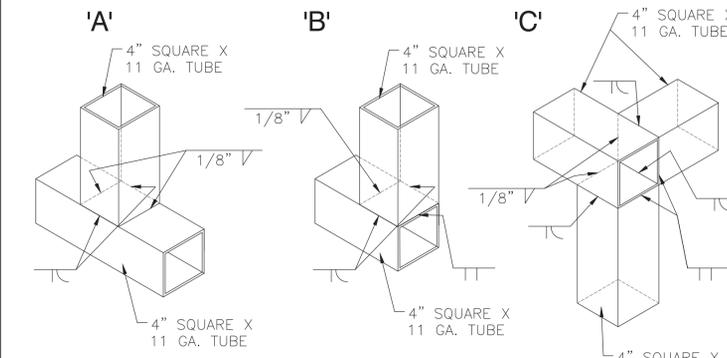
PANEL	Fy (KSI)	WEIGHT (PSF)	NEGATIVE BENDING			POSITIVE BENDING		
			lxe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)	lxe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)
26	60*	0.94	0.0302	0.0511	1.8366	0.0369	0.0372	1.3373

*Fy IS 80 ksi REDUCED TO 60 ksi IN ACCORDANCE WITH THE 2001 EDITION OF THE NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. ASTM A792-83 AZ50 GRADE E

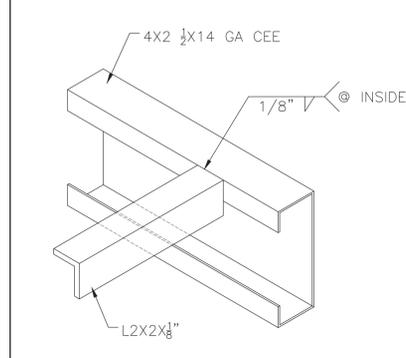
1 **MBCI "R" PANEL DETAIL**
14 NOT TO SCALE



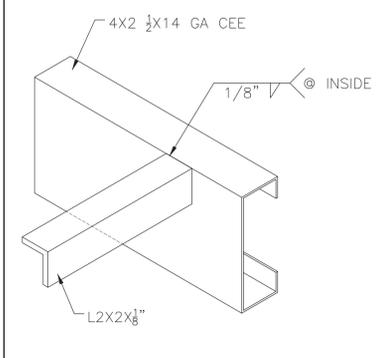
2 **WELD DETAIL**
14 NOT TO SCALE



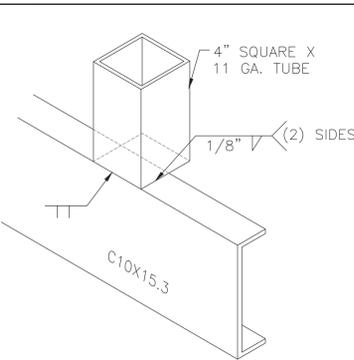
3 **WELD DETAIL**
14 NOT TO SCALE



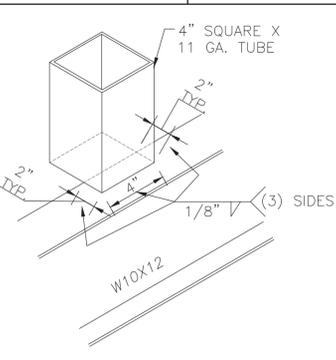
4 **WELD DETAIL**
14 NOT TO SCALE



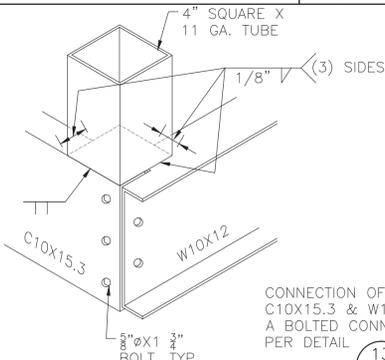
5 **WELD DETAIL**
14 NOT TO SCALE



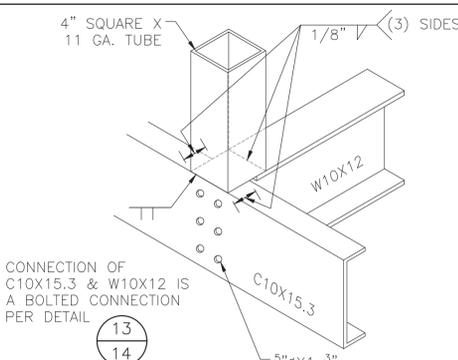
6 **WELD DETAIL**
14 NOT TO SCALE



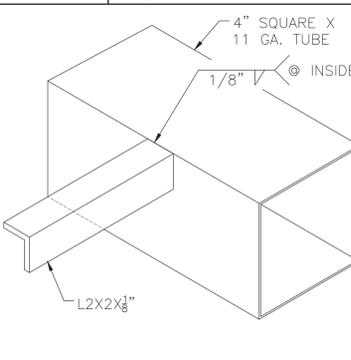
7 **WELD DETAIL**
14 NOT TO SCALE



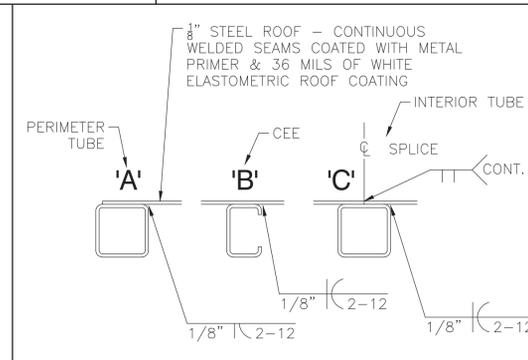
8 **WELD DETAIL**
14 NOT TO SCALE



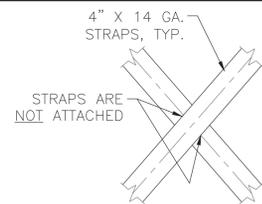
9 **WELD DETAIL**
14 NOT TO SCALE



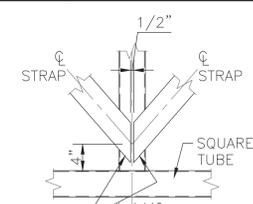
10 **WELD DETAIL**
14 NOT TO SCALE



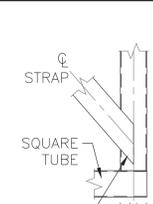
11 **STEEL ROOF TO TUBING**
14 NOT TO SCALE



NOTE: STRAP BRACING @ ROOF STRUCTURE LOCATION SHALL BE ATTACHED TO UNDER SIDE OF TUBING

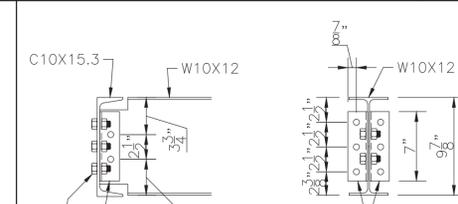


@ ROOF

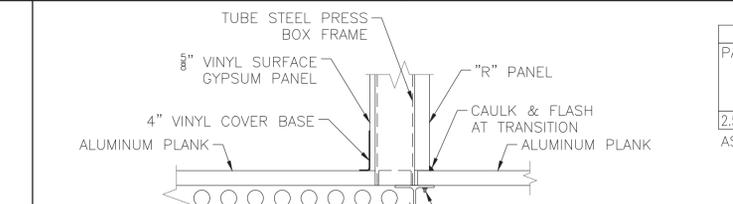


@ WALLS

12 **TYP. STRAP CONN. DETAIL**
14 NOT TO SCALE

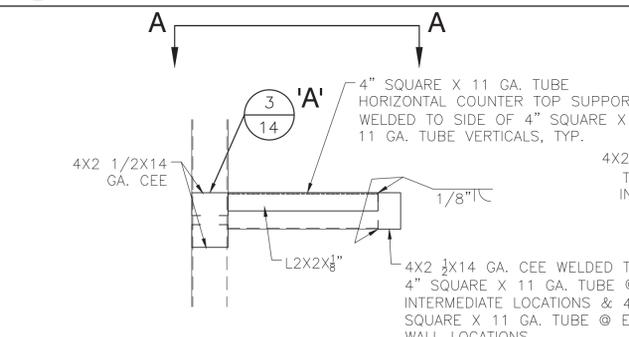


13 **CHANNEL CONN. DETAIL**
14 NOT TO SCALE

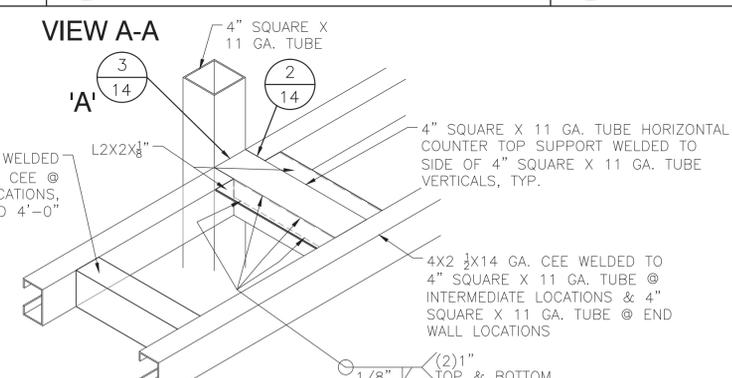


14 **LANDING TRANSITION DETAIL**
14 NOT TO SCALE

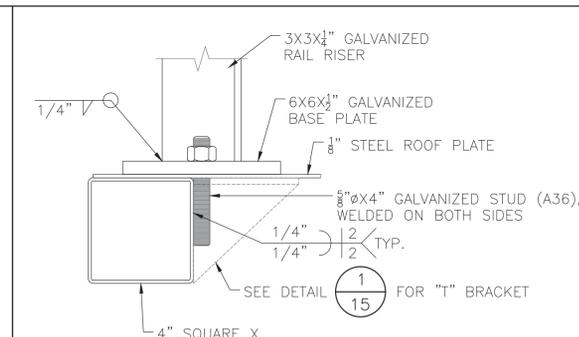
PANEL SELECTION	WIDTH in.	YIELD ksi	WEIGHT psf	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
				lxx (IN.4/FT.)	Sxx (IN.3/FT.)	lxx (IN.3/FT.)	Sxx (KIP-IN.)
2.5" CORRUGATED, 29 GA. ASTM A792 GALVALUME	24	60	.62	0.0050	0.0191	0.0050	0.0185



15 **COUNTER TOP DETAIL**
14 NOT TO SCALE



VIEW A-A
14 NOT TO SCALE



16 **ROOF RAIL ATTACHMENT**
14 NOT TO SCALE

DETAIL NUMBER
14 SHEET SHOWN ON

BROOKS RANSOM ASSOCIATES
10010 BENTLEY BLVD., SUITE 100
DALLAS, TEXAS 75243
PH: (559)449-8444 • FAX: (559)449-8404

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Southern
BLEACHER COMPANY
ESTABLISHED 1946

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PRESS BOX DETAILS - 1

SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION

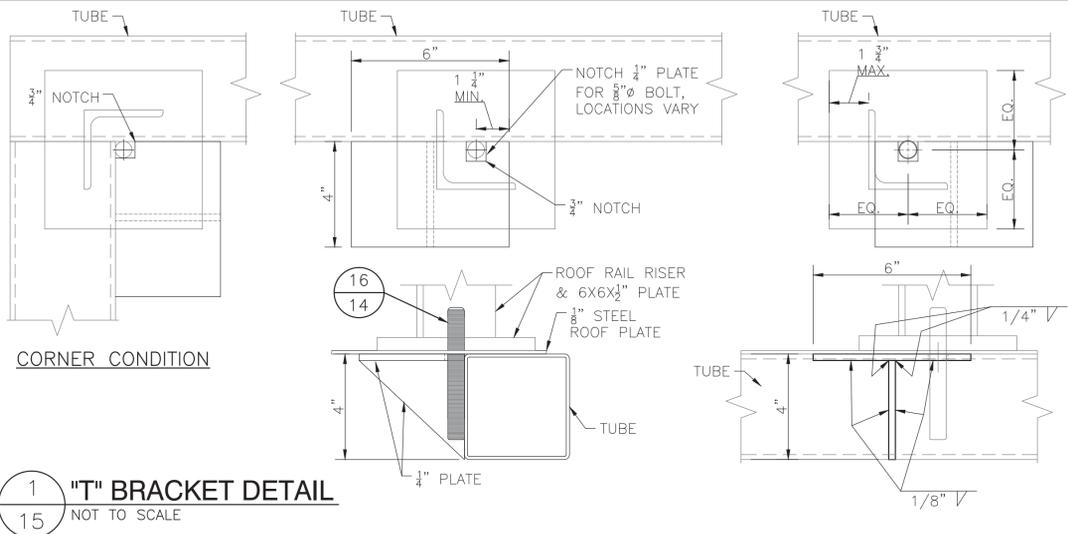
JOB NUMBER
16273

SHEET
14

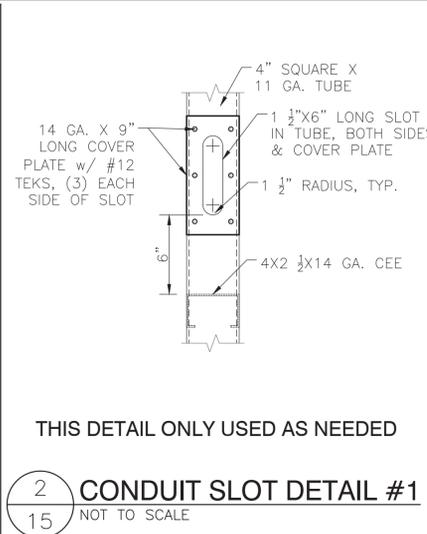
OF
19

22" X 34" (11x17 = 1/2 indicated scale)

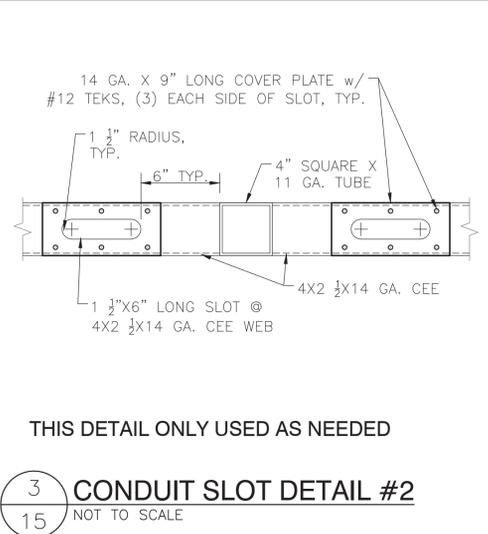




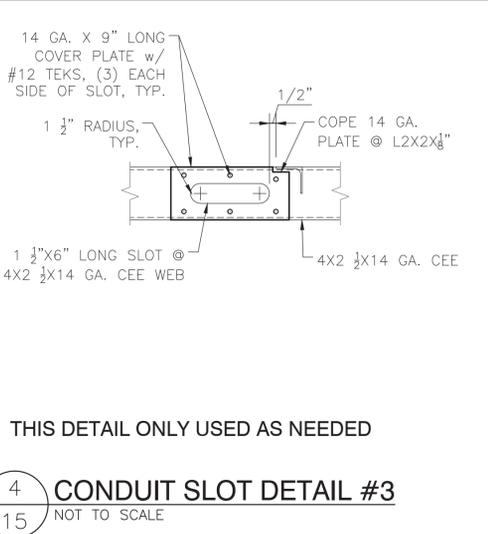
1 "T" BRACKET DETAIL
15 NOT TO SCALE



2 CONDUIT SLOT DETAIL #1
15 NOT TO SCALE

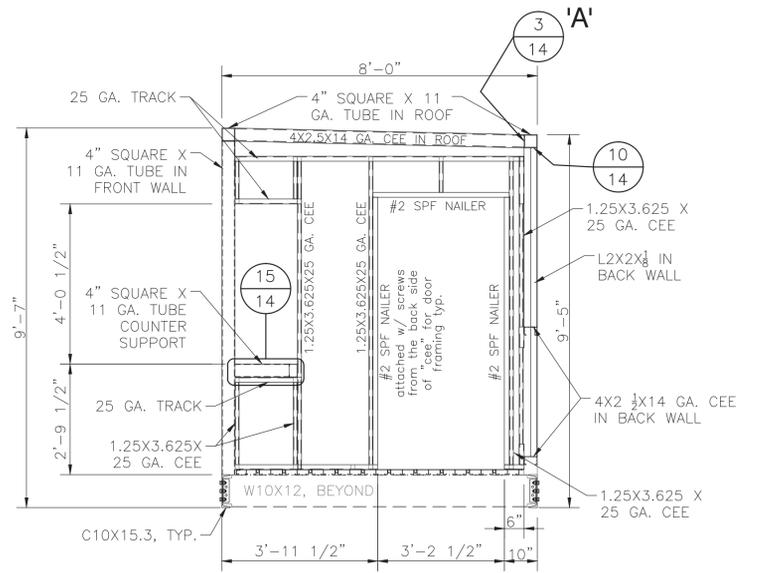


3 CONDUIT SLOT DETAIL #2
15 NOT TO SCALE

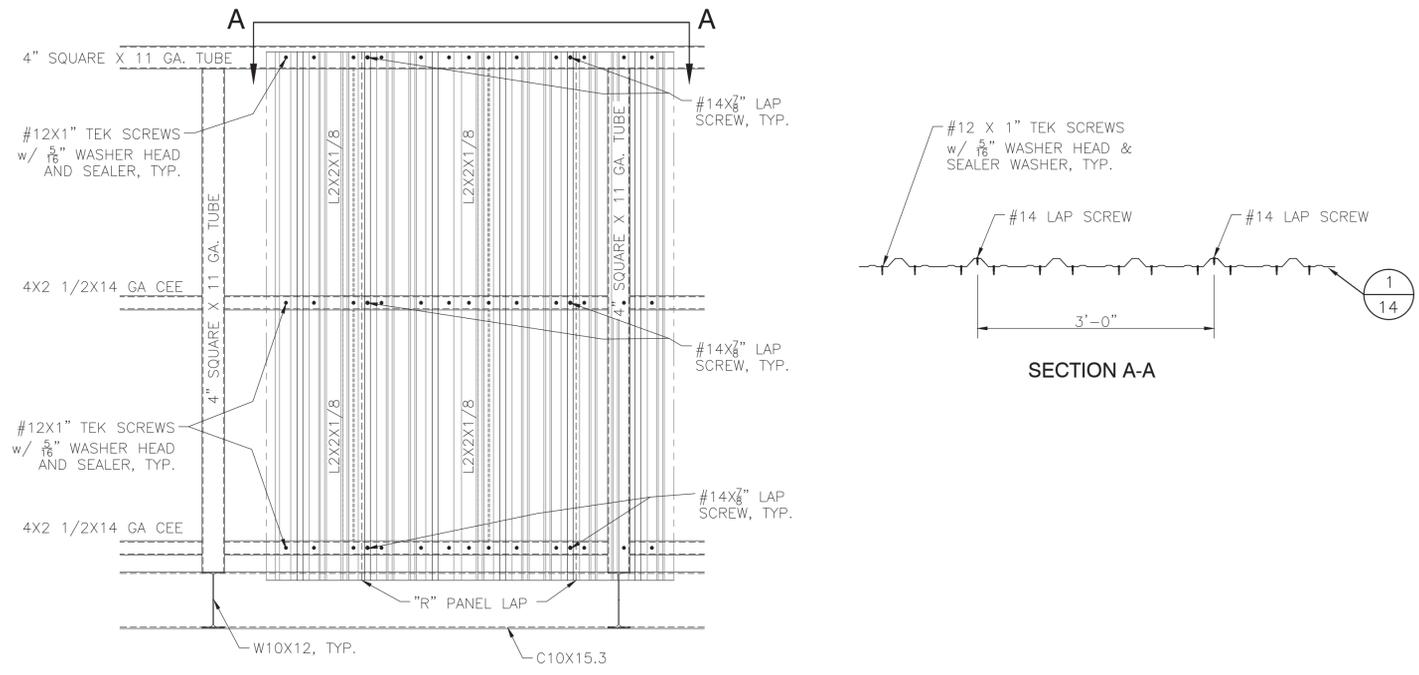


4 CONDUIT SLOT DETAIL #3
15 NOT TO SCALE

SECTION PROPERTIES			
METAL STUD FRAMING / INTERIOR	3 5/8"X1 1/4"	25 GA.	33 ksi ASTM C645
METAL TRACK	3 5/8"X1"	25 GA.	33 ksi ASTM C645



5 INTERIOR WALL FRAME LAYOUT
15 NOT TO SCALE



6 "R" PANEL ATTACHMENT DETAIL
15 NOT TO SCALE

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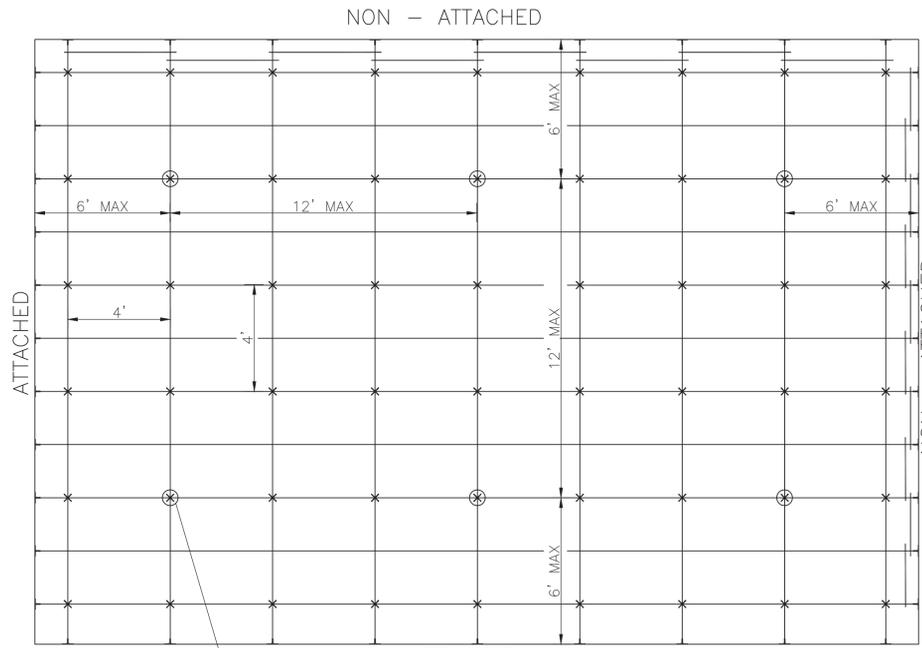
BROOKS RANSOM ASSOCIATES
 CONSULTING ENGINEERS ARCHITECTS INTERIORS
 10101 PINE BLVD. SUITE 100, FORT WORTH, TEXAS 76133
 PH: (559)449-8444 • FAX: (559)449-8404

Southern BLEACHER COMPANY
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 801 Fifth Street, Phone: 940/549-0733 Fax: 940/549-1365
 Established 1946

PRESS BOX DETAILS - 2
 SOLANO COMMUNITY COLLEGE
 SOFTBALL BLEACHER
 FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	DATE
2	SMR	11/17/16	DATE
3	DMC	11/17/16	DATE

JOB NUMBER: 16273
 SHEET: 15 OF 19
 22" X 34" (11x17 = 1/2" indicated scale)



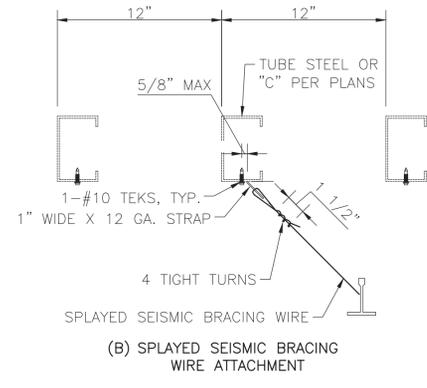
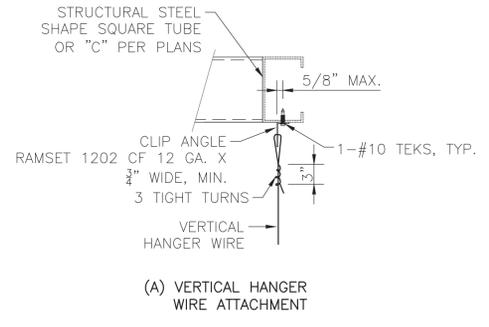
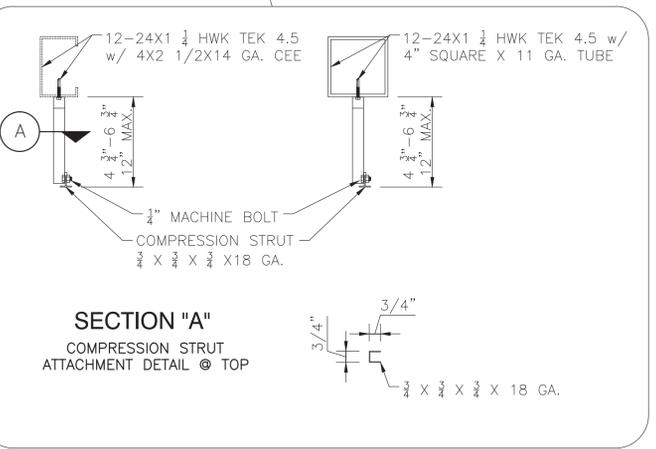
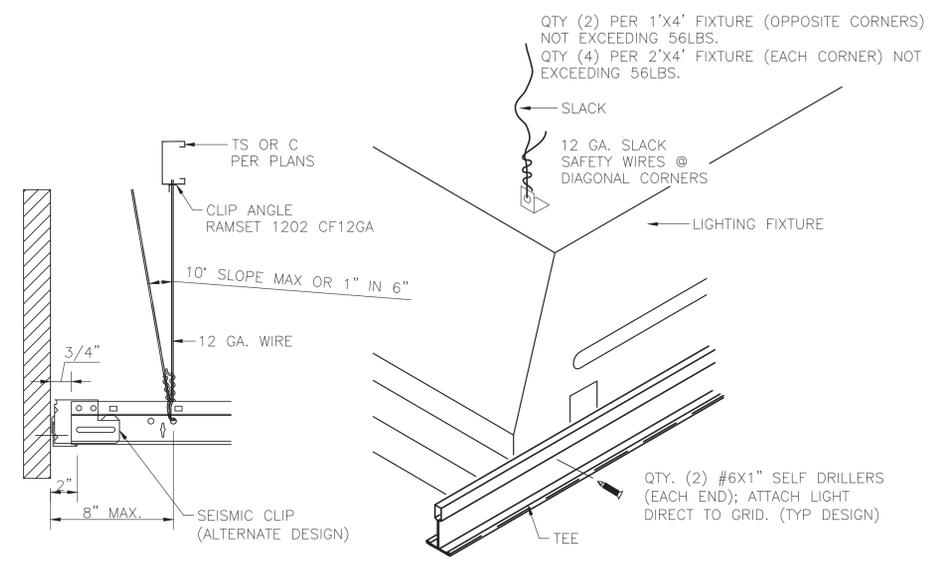
× 12 GAUGE HANGER WIRE
 ⊗ LATERAL BRACING LOCATION
 (USE WHEN CEILING EXCEEDS 144 SQ. FT. OR 96 SQ. FT. ON FIRE RATED ASSEMBLIES WHEN WALLS ARE DIRECTLY ATTACHED TO ROOF FRAMING)

NOTES:
 WALLS SHALL BE ATTACHED WITH 1/8" RIVETS OR SEISMIC CLIPS. ADJACENT WALL SHALL REST ON 2" WALL ANGLE.

ADDITIONAL HANGER WIRES ARE REQUIRED AT ALL WALLS. 8" MAX DISTANCE FROM WALL OR 1/4" DISTANCES THE LENGTH OF THE MEMBER, WHICHEVER IS SHORTER. WHEN GRID MEMBERS ARE 8" OR LESS, OMIT HANGER WIRE.

INTERCONNECTION BETWEEN THE RUNNERS AT WALL WHEN RUNNER EXCEEDS 12" @ UNATTACHED WALLS, TYP. DESIGN. SPACERS NOT REQUIRED WITH SEISMIC CLIPS.

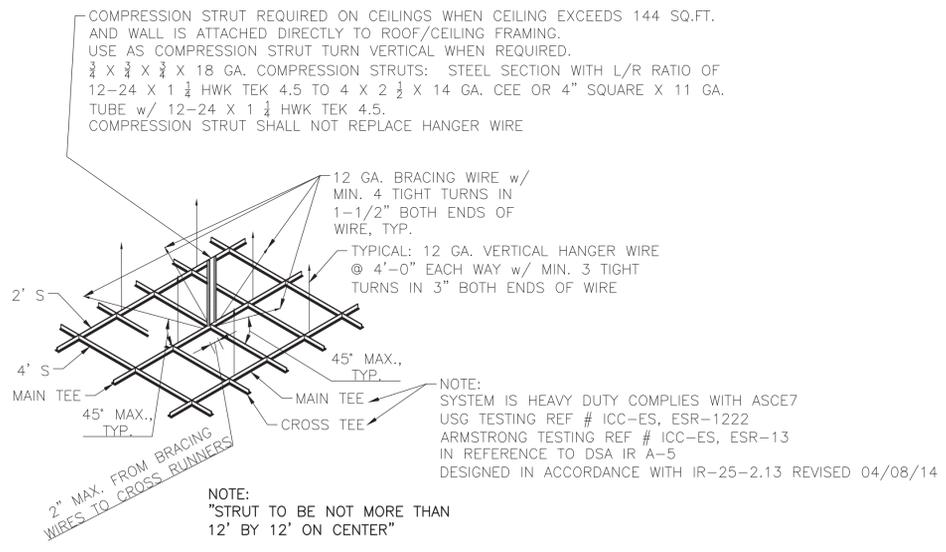
1 CEILING DETAIL
 16 NOT TO SCALE



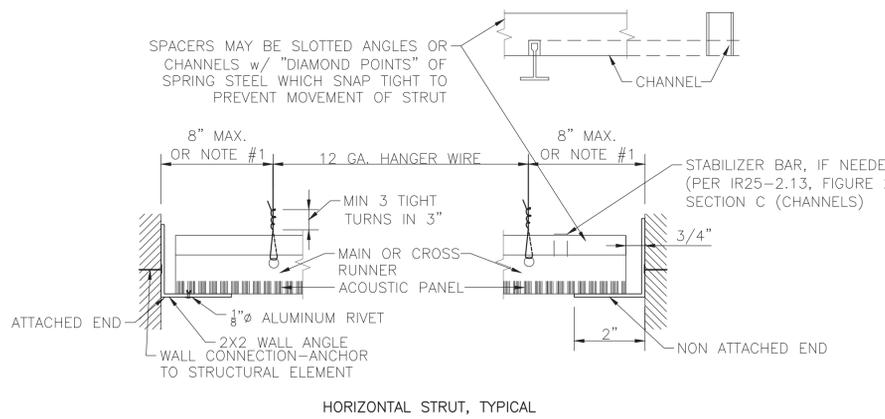
HEAVY DUTY / ASTM CLASS / FIRE RATED	
Donn BRAND:	
Donn 2215	2X2 TILE/PANEL
Donn DXL 216	2' TEES
Donn M7	12' WALL ANGLE 7/8"
Donn M20SM	WALL ANGLE 2"
Donn L-15	HOLD DOWN CLIPS
Donn DXL 424	4' TEES
Donn DXL 116	1' TEES
Donn DXL 26	MAIN T's
Donn ACM7	SEISMIC CLIPS
ARMSTRONGS BRAND:	
PRELUDE	
8301 HD	12' MAINS
8341 HD	4' CROSS T's
8323 HD	2' CROSS T's
8313 HD	1' CROSS T's
(7301 HD)	7/8\"/>

ACCEPTABLE DETAILS PER FIG. 5(A)-IR-25-2.13

REFERENCE DSA IR 25-2.13 DATED APRIL 8, 2014



TYPICAL DESIGN WHEN USING 2\"/>



NOTES:
 1. 8" FROM WALL OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS, WHEN RUNNER EXCEEDS 8"

DETAIL NUMBER 10 SHEET SHOWN ON 16

BROOKS RANSOM ASSOCIATES
 10010 FAIRMONT DRIVE, SUITE 100, FAIRFIELD, CA 94504
 PH: (559)449-8444 • FAX: (559)449-8404

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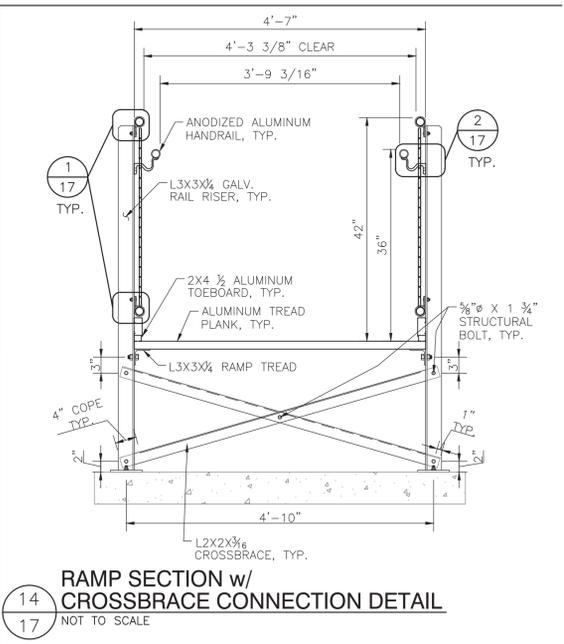
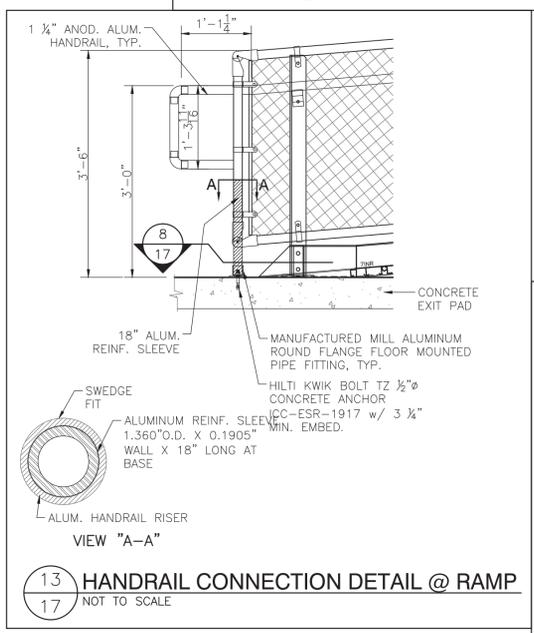
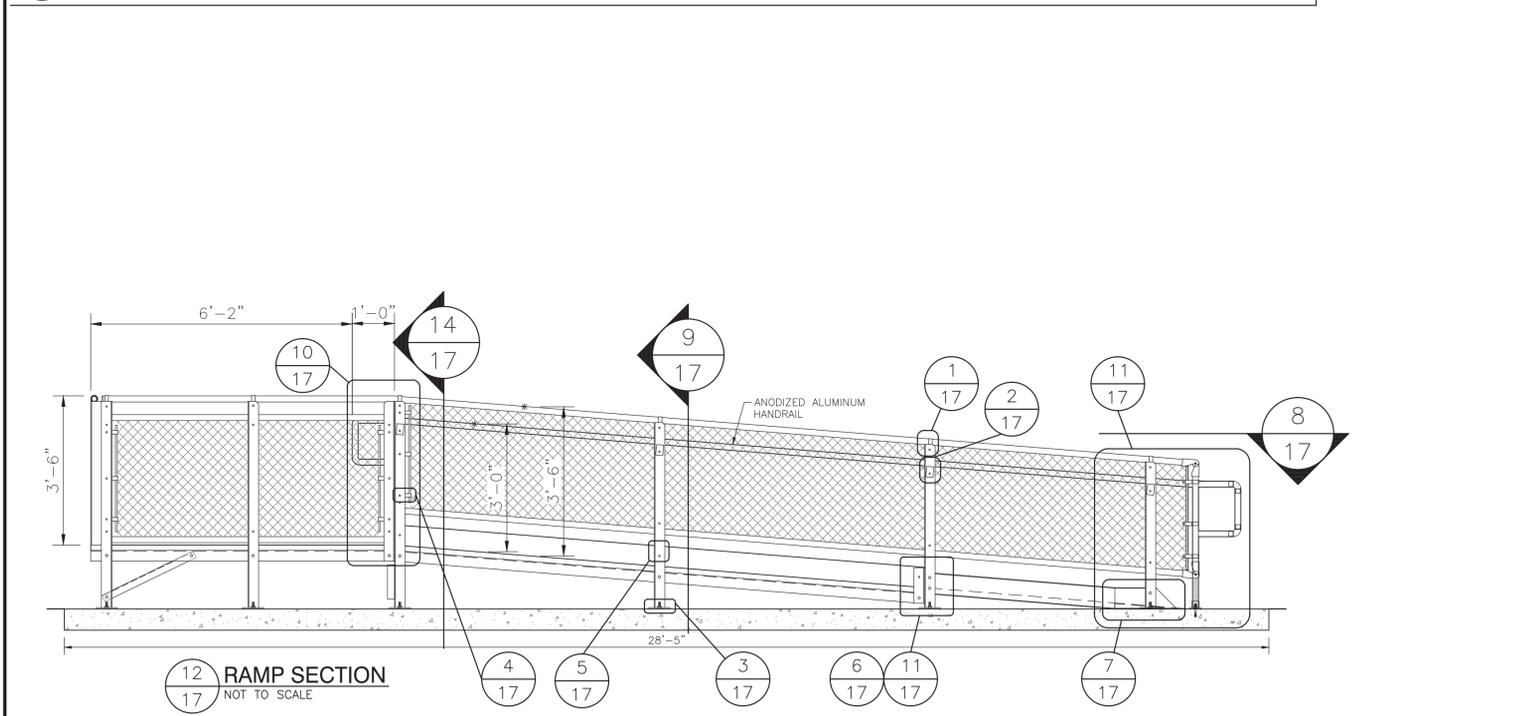
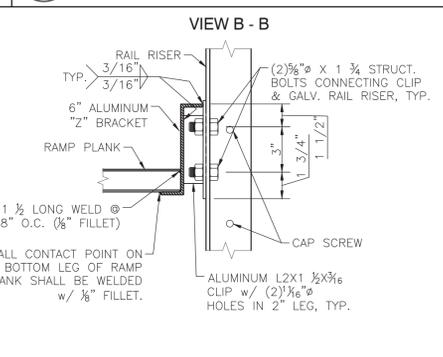
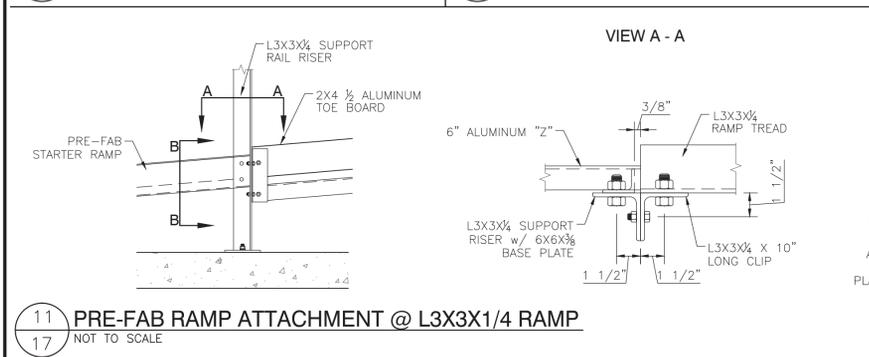
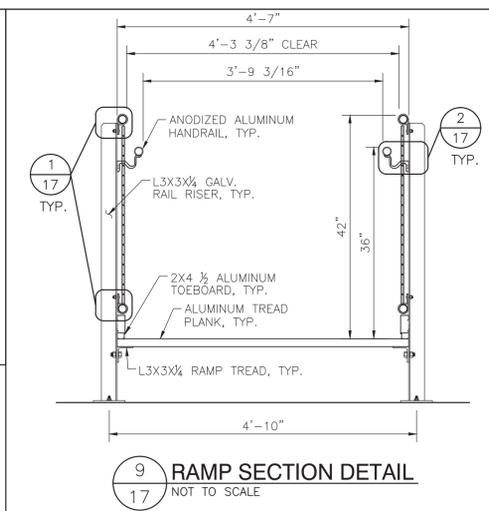
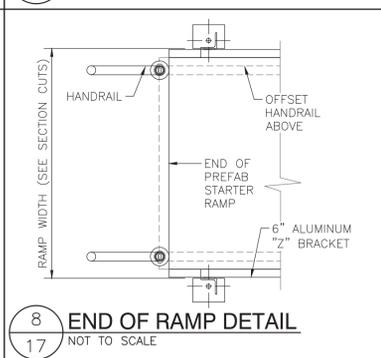
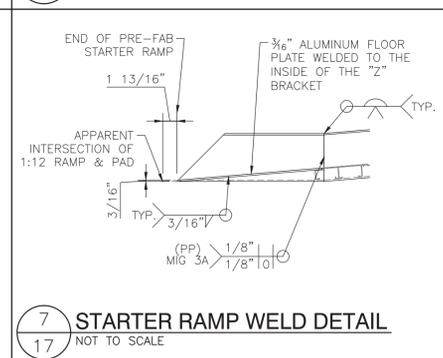
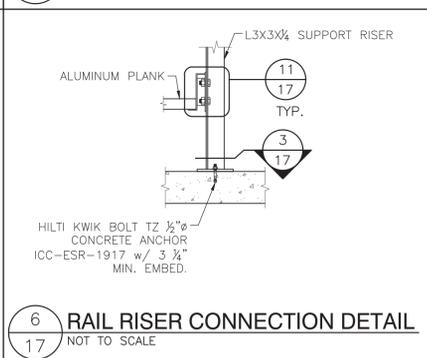
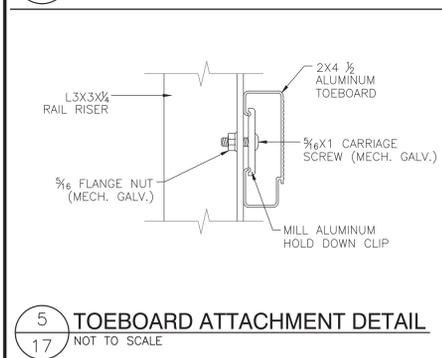
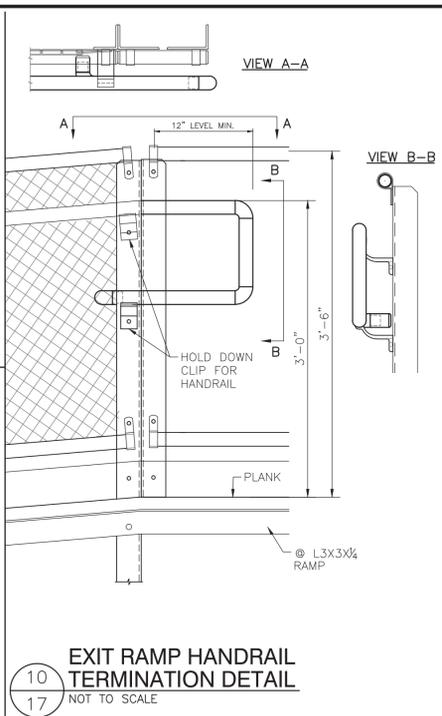
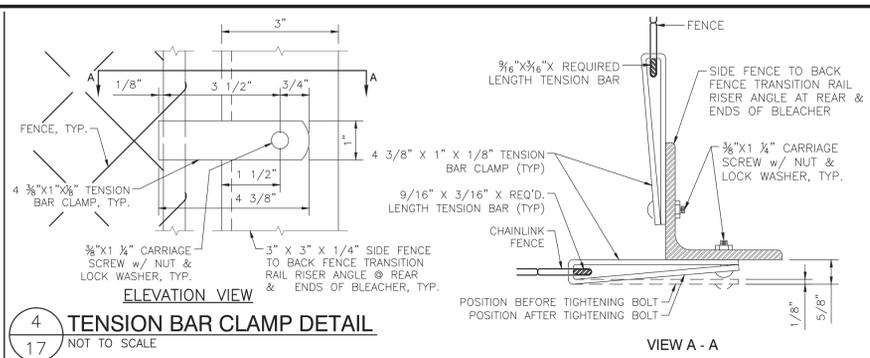
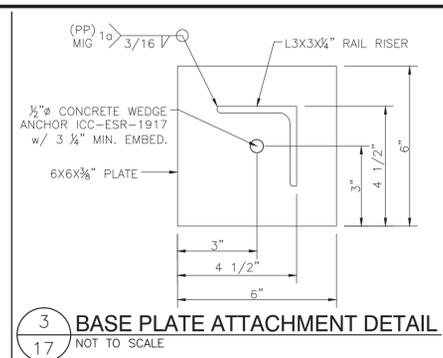
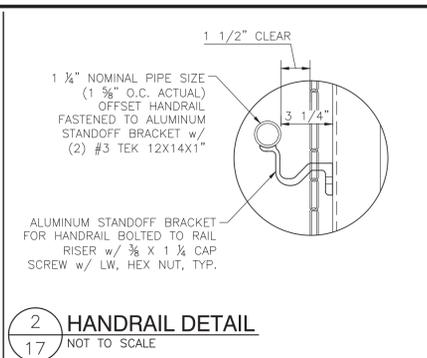
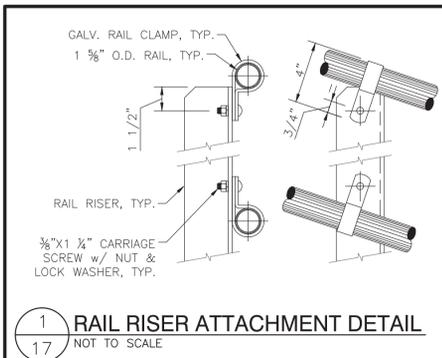
CEILING TILE DETAIL

SOLANO COMMUNITY COLLEGE
 SOFTBALL BLEACHER
 FAIRFIELD, CALIFORNIA

REV	DATE	DESCRIPTION	BY	CHECKED
1	10/20/16		SMR	DMC

JOB NUMBER 16273
 SHEET 16 OF 19

22" X 34" (11x17 = 1/2" indicated scale)



DETAIL NUMBER 17 SHEET SHOWN ON 10

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105 N. FAIRFIELD STREET, SUITE 100, FAIRFIELD, CALIFORNIA 94504
PH: (559) 449-8444 • FAX: (559) 449-8404

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801 Fifth Street,
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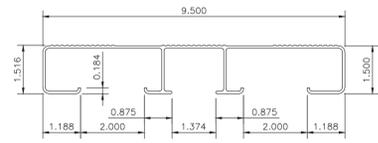
DETAIL SHEET

SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

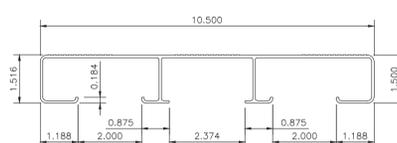
REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	SMR
2	DMC	11/17/16	CLIENT CHANGES
3	DMC	11/17/16	CLIENT CHANGES

JOB NUMBER 16273
SHEET 17 OF 19

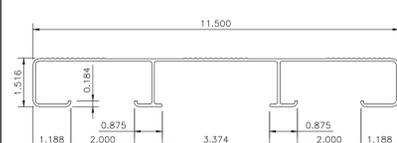
22" X 34" (11x17 = 1/2 indicated scale)



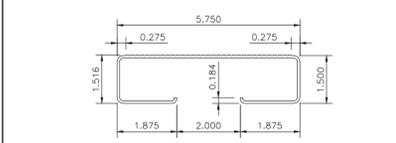
1
2X10 ALUMINUM PLANK DETAIL
NOT TO SCALE



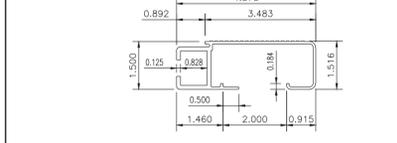
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2X11 ALUMINUM PLANK DETAIL
NOT TO SCALE



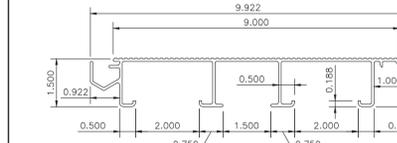
3
2X12 ALUMINUM PLANK DETAIL
NOT TO SCALE



4
2X6 ALUMINUM PLANK DETAIL
NOT TO SCALE



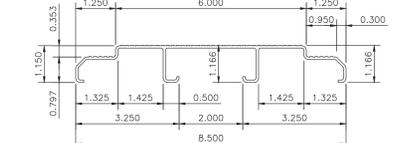
5
2X4 KL ALUMINUM STEPNOSE PLANK DETAIL
NOT TO SCALE



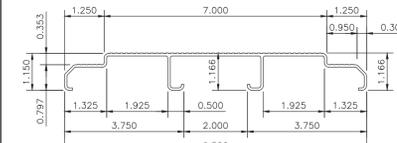
6
2 X 9 ALUMINUM (DECK) INTERLOCKING PLANK DETAIL
NOT TO SCALE



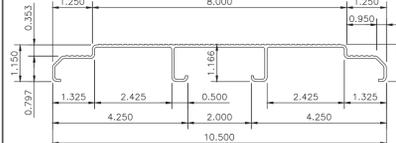
7
2 X 4 ALUMINUM (NOSE W/RISER) INTERLOCKING PLANK DETAIL
NOT TO SCALE



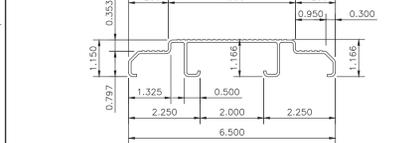
8
1 X 8 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



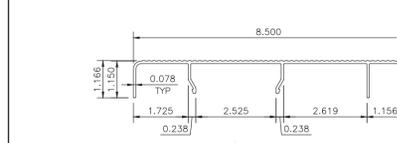
9
1 X 9 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



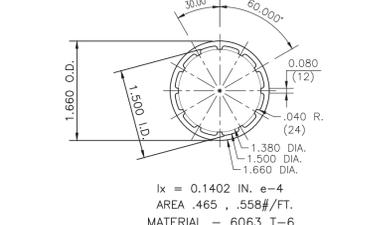
10
1 X 10 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



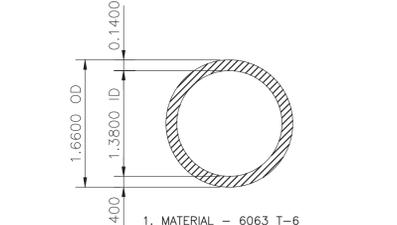
11
1 X 6 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



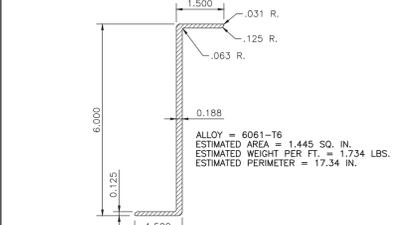
12
PRESSBOX RISER
NOT TO SCALE



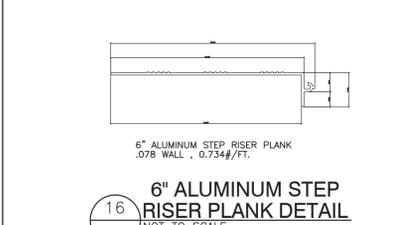
13
1 5/8" O.D. ALUMINUM RAIL DETAIL
NOT TO SCALE



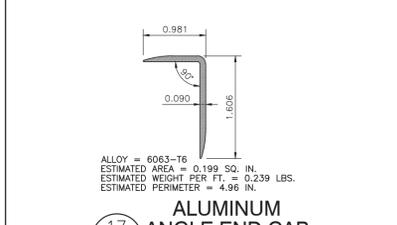
14
SCHD. 40 ALUMINUM PIPE DETAIL
NOT TO SCALE



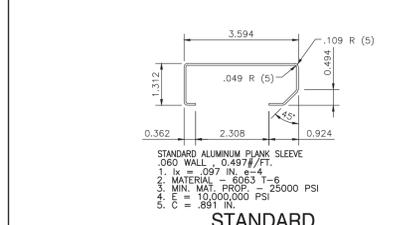
15
6" ALUMINUM "Z" BRACKET DETAIL
NOT TO SCALE



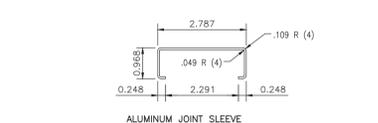
16
6" ALUMINUM STEP RISER PLANK DETAIL
NOT TO SCALE



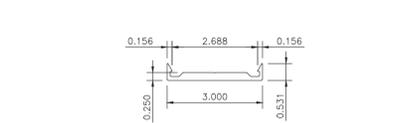
17
ALUMINUM ANGLE END CAP
NOT TO SCALE



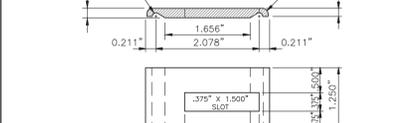
18
STANDARD ALUMINUM PLANK SLEEVE
NOT TO SCALE



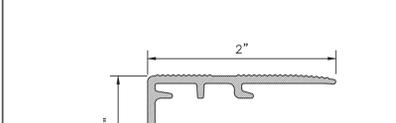
19
ALUMINUM JOINT SLEEVE DETAIL
NOT TO SCALE



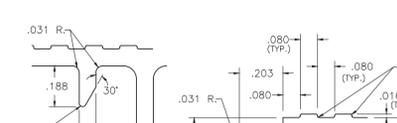
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PRESSBOX RISER CLIP
NOT TO SCALE



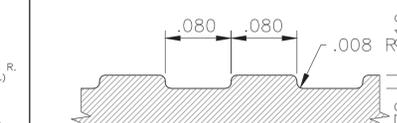
21
HOLD DOWN CLIP DETAIL
NOT TO SCALE



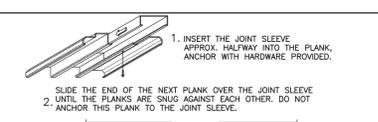
22
ALUMINUM AISLE NOSING
NOT TO SCALE



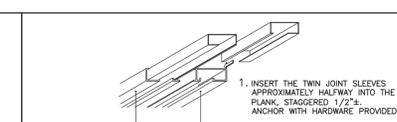
23
INTERLOCK PLANK DETAIL
NOT TO SCALE



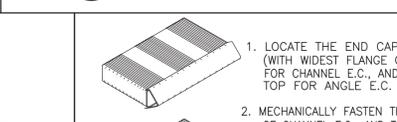
24
FLUTED SURFACE DETAIL
NOT TO SCALE



25
RISER JOINT SLEEVE INSTALLATION DETAIL
NOT TO SCALE



26
JOINT SLEEVE INSTALLATION DETAIL
NOT TO SCALE



27
END CAP INSTALLATION DETAIL
NOT TO SCALE



28
PLANK INSTALLATION DETAIL
NOT TO SCALE

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1015 N. FAIRFIELD AVE., SUITE 100, FAIRFIELD, CA 94504
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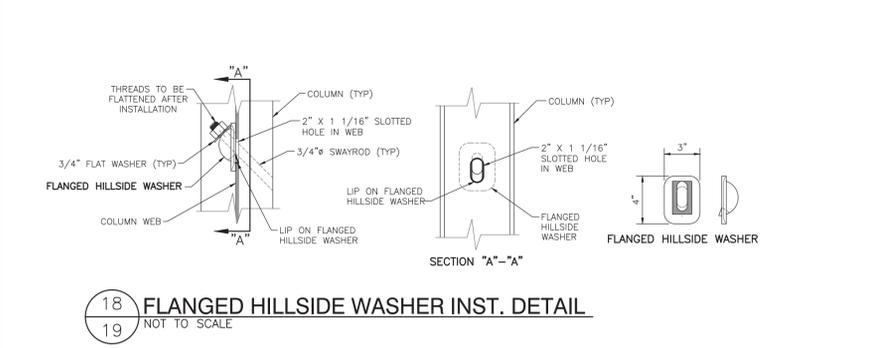
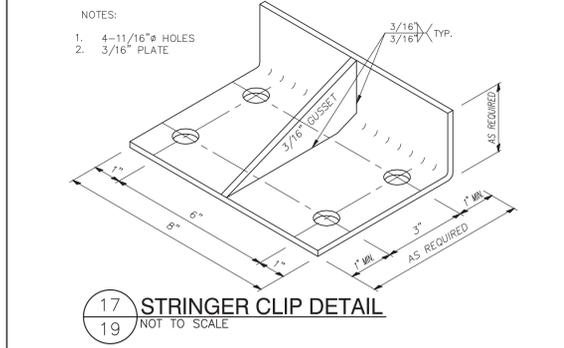
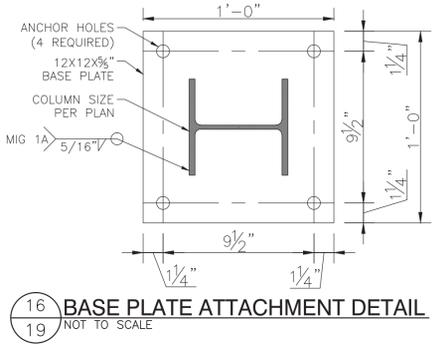
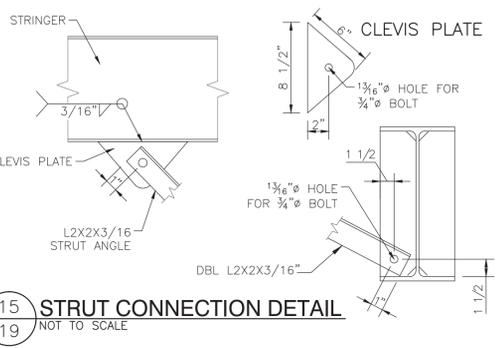
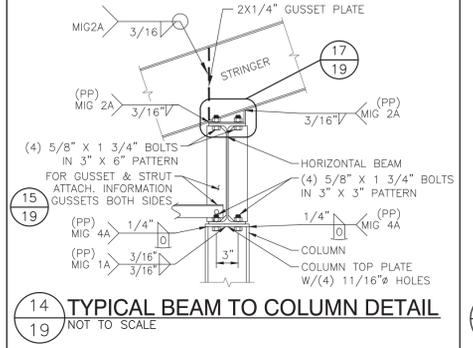
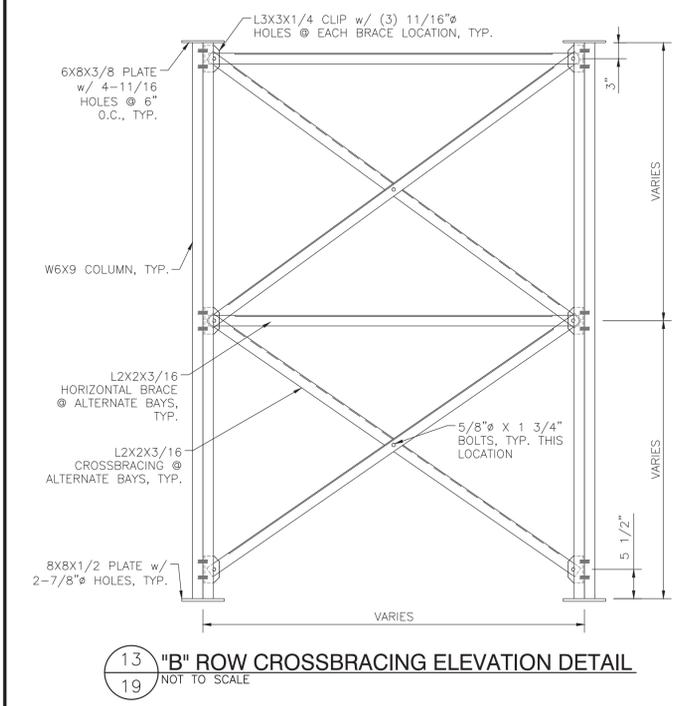
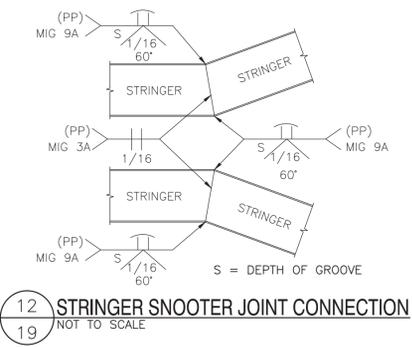
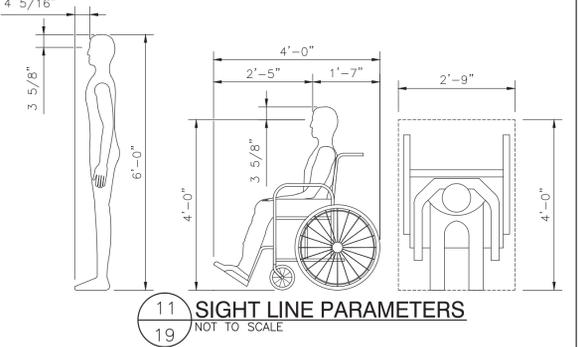
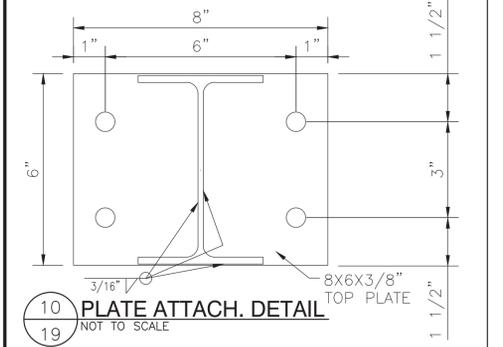
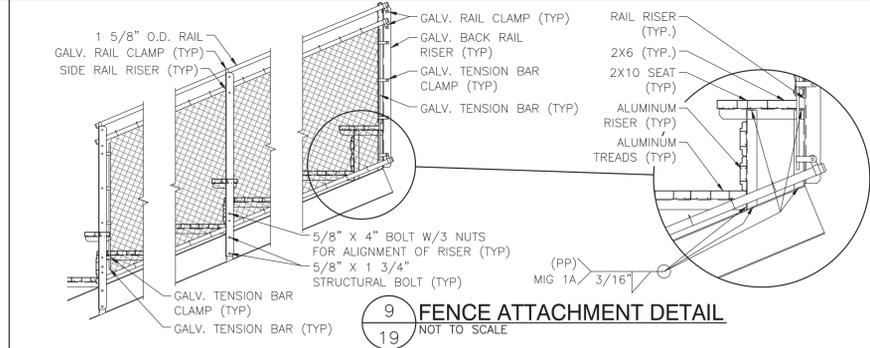
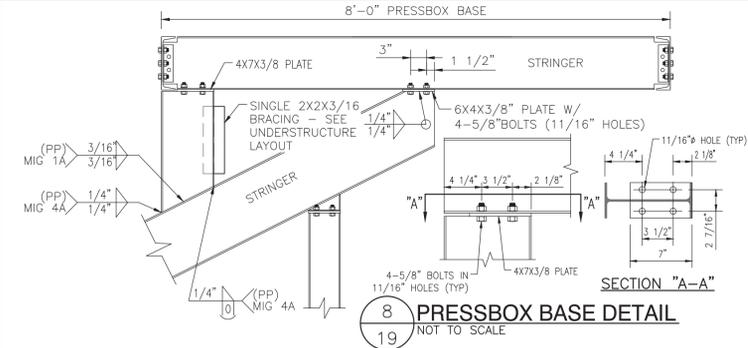
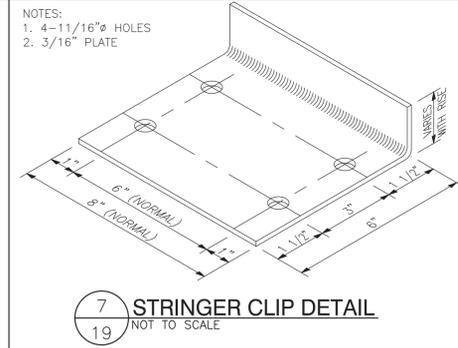
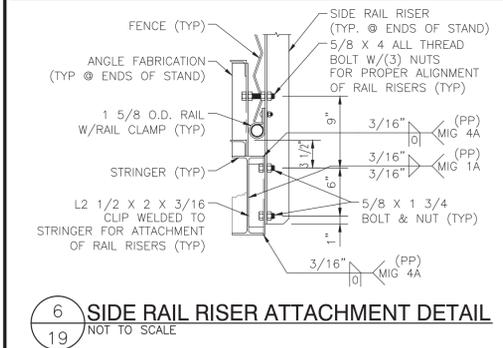
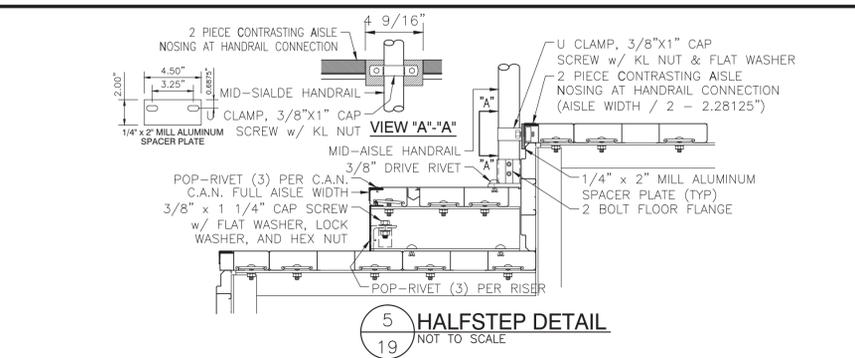
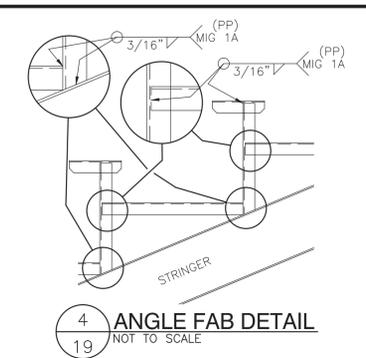
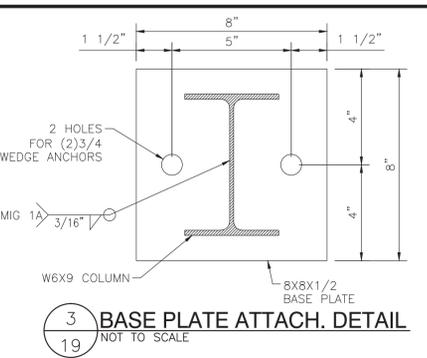
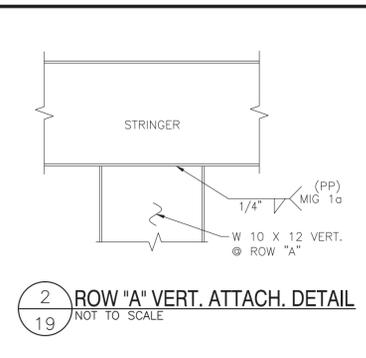
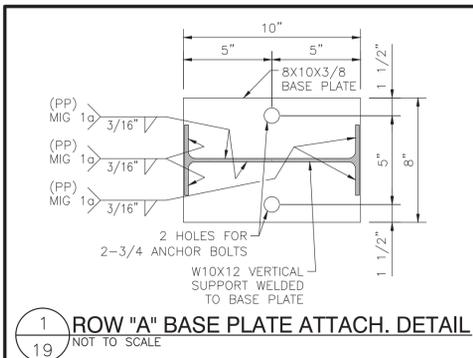
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801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365

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SOLANO COMMUNITY COLLEGE
SOFTBALL BLEACHER
FAIRFIELD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	SMR	10/20/16	CLIENT CHANGES
2	DMC	11/14/16	CLIENT CHANGES
JOB NUMBER 16273			
SHEET 18		OF 19	

22" X 34" (11x17 = 1/2 indicated scale)



BROOKS RANSOM ASSOCIATES
 ARCHITECTS
 105 N. PALM AVENUE, SUITE 100, PUEBLO, CO 81001
 PH: (505) 749-8444 • FAX: (505) 749-8404

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 801 Fifth Street,
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DATE	10/20/16	SMR	DMC
JOB NUMBER	16273		
SHEET	19	OF	19
SHEET 19 OF 19			

DETAIL SHEET

SOLANO COMMUNITY COLLEGE
 SOFTBALL BLEACHER
 FAIRFIELD, CALIFORNIA

22" X 34" (11x17 = 1/2 indicated scale)