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ADDENDUM 5 DATE: 05/25/22

PROJECT:
'Matilda Torres High School, Toros Stadium'
Matilda Torres High School
16645 Road 26. Madera, CA 93638

OWNER:
Madera Unified School District
1902 Howard Road
Madera, CA 93637-5123

ARCHITECT:
DARDEN ARCHITECTS, INC.
Attention: Matthew Heiss
6790 N. West Avenue
Fresno, California 93711
T. (559) 448-8051
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DARDEN PROJECT NO. 0622.4
DSA File Nos. 10-C3
DSA APPL. NO. 02-118396

It will be the responsibility of the General Contractor to submit the information contained in this addendum to all its subcontractors and suppliers. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

The following additions, deletions, and revisions to the SHEETS and Project Manual are hereby made and do become a part of these Contract Documents.

INDEX OF ADDENDA TRANSMITTED HEREWITH

PROJECT MANUAL:

SPECIFICATIONS:

CHANGES TO SPECIFICATIONS ..... AD5-SP01 thru AD5-SP03

SHEETS:

CHANGES TO SHEETS:

ARCHITECTURAL ..... AD5-A01 thru AD5-A05

PLUMBING ..... N/A

MECHANICAL ..... N/A

CIVIL ..... AD5-C01 thru AD5-C03

ELECTRICAL ..... N/A

STRUCTURAL AD5-S01thru AD5-S04

LANDSCAPE ..... N/A

ATTACHMENTS:

DOCUMENTS OR SPECIFICATIONS:

1. **SPECIFICATION SECTION 321839 SYNTHETIC TRACK SURFACING**
2. **Outstanding Bid RFI log**

SHEETS:

ARCHITECTURAL ..... AD5-AX01 thru AD5-AX07
PLUMBING ..... N/A
MECHANICAL ..... N/A
CIVIL ..... N/A
ELECTRICAL ..... N/A
STRUCTURAL ..... AD5-SX01 thru AD5-SX04
LANDSCAPE ..... N/A

PROJECT MANUAL:

SPECIFICATIONS:

CHANGES TO SPECIFICATIONS:

AD5-SP01 See section 086310 TRANSLLUCENT PANELS

1. Delete specification section from project. No Translucent panel scope in this project

AD5-SP02 See section 100500 MISCELLANEOUS SPECIALTIES

1. Refer to section 3.3 "SCHEDULES" Paragraph J. Delete paragraph J. No Custom vinyl graphics in project.

AD5-SP03 See Attached Section 321839 SYNTHETIC TRACK SURFACING

1. Insert attached specification section to project manual

CHANGES TO DRAWINGS:

ARCHITECTURAL:

AD5-A01 Refer to Sheet X/A503

1. Replace detail A10 with attached detail AD5-AX01
    a. plaster setting bed at cmu veneer walls clarified. All cmu veneer block walls to have cement plaster setting bed. CMU veneer **above 8'-0"** to have cement plaster setting bed **AND** masonry anchors as indicated in details J14 and E14, X/A504.
    b. All CMU veneer to be 2 5/8" thick

AD5-A02 Refer to Sheet SD/A206

1. Remove note reading "PAVEMENT, Parking Area Seal". As shown in attached exhibit AD5-AX02

AD5-A03 Refer to Sheet Q/A102

1. Replace sheet with attached exhibit AD5-AX03
    a. Bleacher end walls clarified. Walls to be 7 5/8" CMU.

AD5-A04 Refer to Sheet X/A411 and X/A401

1. Add detail E14 in attached exhibit AD5-AX04 to sheet X/A411
2. Add detail

3. Revise door Schedule on sheet X/A401 for doors Q1110a and Door Q2124a as indicated in revised opening schedule on AD5-Ax04

AD5-A05 Refer to Sheet SD/A404

1. Replace detail F4, Section A with attached exhibit AD5-AX05
2. Replace detail F4, Section B with attached exhibit AD5-AX06
3. Replace detail F4, Section A with attached exhibit AD5-AX07
    a. At detail F4, remove references to 3" rock base. Install ramps and flat work over compacted earth as indicated in detail D11 - SD/A403
    b. Provide thickened edge at walk transitions as shown in updated detail

STRUCTURAL:

AD5-S01 Refer to Sheet Q/S201

1. Replace sheet with attached exhibit AD5-SX01
    a. CMU wing walls and footings clarified.

AD5-S02 Refer to Sheet Q/S202

1. Replace sheet with attached exhibit AD5-SX02
    a. CMU wing walls and footings clarified.

AD5-S03 Refer to Sheet Q/S203

1. Replace sheet with attached exhibit AD5-SX03
    a. CMU wing walls and footings clarified.

AD5-S04 Refer to G000 Title Sheet

1. Insert attached sheet AD5-SX04 as "X/S401 CMU DETAILS "
    a. structural requirements and details for CMU walls added

CIVIL:

AD5-C01 Refer to Sheet SD/X103

1. At details K, L, remove "by others" from note indicating track surfacing.
    a. track surfacing at pole vault jump to be provided by contractor.

AD5-C02 Refer sheet SD/X102

1. At Details D and E, Revise dimension string indicating floor slab thickness dimension to read 1′ – 6″

AD5-C03 Refer to Sheet SD/X107

1. At Detail 15, revise dimension indicating depth of dugout from 11′ – 0″ to 10′ – 8″

3.04 PROTECTION OF SURFACING

A. Protect from exposure to weather and mechanical damage during installation and curing.

B. Protect the Work of this section until Substantial Completion.

3.05 CLEAN UP

A. Remove rubbish, debris, and waste materials and legally dispose of off the Project site.

END OF SECTION

SECTION 321839 - SYNTHETIC TRACK SURFACING

PART 1 - GENERAL

1.01 SUMMARY

A. Provisions of Division 01 and the General Conditions apply to this section.

B. Contract work to be performed under this section consist of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, synthetic track surfacing in accordance with these specifications and indicated on drawings.

C. Surface is to be a polyurethane bound impermeable sandwich running track surface with an embedded broadcast EPDM rubber finish. Total thickness of finished product shall be an average of 14mm (1/2”) in thickness.

D. Related Sections:
1. Section 03 30 00: Cast-in-place Concrete
2. Section 11 68 33 : Athletic Equipment
3. Section 31 20 00: Earthwork.
4. Section 32 11 23: Aggregate Base.
5. Section 32 12 16: AC Paving.
6. Section 32 85 00 : Synthetic Turf Irrigation System
5.

1.02 SUBMITTALS

A. Material Sample: Submit three (3) 4” by 6” samples of the synthetic track system.

B. Submit Manufactures’ and Installers’ product data, installation instructions and maintenance recommendations.

C. Submit striping diagrams and computerized calculations per Section 3.03. The striping submittal will be due prior to the start of track surfacing but does not need to be submitted with the other required submittals.

D. Submit MSDS sheets for all products used.

E. Installer shall be authorized by the manufacture to install their products.

1.03 QUALITY ASSURANCE

A. Follow manufacturer’s recommendations for preparation and installation, unless otherwise indicated.

B. Provide components of the synthetic track system by a single source manufacturer.

C. Polyurethane used shall be from am approved manufacturer listed in 2.01 of this specification.

D. Track surface shall be applied by a licensed contractor, which has successfully installed polyurethane material included in the specification for the past five (5) years.

E. The track surfacing installer and Owner's representative shall review the hardscape surfaces to receive the track surfacing for compliance with tolerances for planarity and elevation prior to the start of surfacing operations.

1.04 WARRANTY

A. Provide manufactures and installers written warranties that track shall be free from defects in materials and installations for a period of five (5) years.

B. Striping and marking paint shall have a three year warranty.

PART 2 - PRODUCTS

2.01 APPROVED MANUFACTURES

A. Reckortan®-S/Sprutan BV as manufactured by Advanced Polymer Technology manufactures.

B. BSS 300 as manufactured by Beynon Sports Surfaces.

2.02 PRODUCTS AND MATERIAL DESCRIPTION

A. Running Track Surface: Polyurethane bound impermeable sandwich system with a SBR base mat. Mat is sealed with two-component flow in place polyurethane and finished with a flow applied two-component colored polyurethane layer with an EPDM broadcast finish.

B. Rubber (SBR): Base mat rubber shall be specifically graded Styrene Butadiene Rubber (SBR). Final gradation is to be 1.0-3.0 mm, granulated SBR. SBR is to be dried to less than 2.5% moisture and sealed in bags.

C. Colored Rubber (EPDM): Top coat of rubber shall be synthetic Colored EPDM, same color as liquid polyurethane VPU. Final gradation is to be 1-3 mm.

Colored Rubber	
Basic Material EPDM	20%
Hardness	Shore A 64±1
Specific Gravity (S.G.)	1.53±.02

Black rubber is NOT allowed in wearing course. Color: Red unless specified otherwise.

D. Base Mat Binder: Base mat shall be bound by moisture-cured liquid polyurethane, compatible with base mat rubber. No asphaltic emulsions or epoxies are allowed in Base mat.

E. Mat Sealer: Basemat shall be sealed using a two component polyurethane mat sealer. Product per manufacturers recommendations.

F. Full Pour Layer: Full pour layer polyurethane shall be a two component VPU polyurethane compound from polyols and isocyanate based on MDI with no solvents or fillers added. No product shall be considered an equal if polyol to isocyanate mix ratio exceeds 3 to 1.

G. Wearing course Layer: Colored EPDM rubber is to be bound by same two component polyurethane as full pour layer. Color to be red unless otherwise specified.

H. Striping and Marking Paint: Metalatex Semi Gloss acrylic paint manufactured by Sherwin Williams or equal, which is California VOC compliant and compatible with track surfacing material.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install systems in accordance with manufacturer's recommendations.

B. Beginning installation stipulates track installers "accepts" existing conditions. Adhesion to existing asphalt is the surfacing contractor's responsibility.

C. Entire surface shall be clean and free of dirt, oil, grease or any other matter upon arrival of installation team. Any dirt, etc. shall be pressure washed off base by general contractor.

D. Prime entire surface area with a compatible polyurethane primer.

E. Base mat is to be applied at a rate of 16.0 lbs. of SBR rubber mixed with 3.0 lbs. of polyurethane binder per square yard to provide a base mat with a total weight 19lbs./sq. yd. And a 10 mm. minimum thickness before application of seal coat and wearing layer. Installation of base mat is to be done in one lift with use of a paving machine that is specifically designed for this type of project.

F. The application of the seal coat to the mat is to be done by using a two-component polyurethane is then applied at a rate of 3.0 lbs./sq. yd. to base mat and spread with a rubber squeegee.

G. Top coat shall consist of a flow-applied layer of same two-component polyurethane as seal coat and an embedded EPDM granular finish. Polyurethane coat is applied to a minimum rate of 6.0 lbs./sq. yd. to achieve a minimum depth of 3mm. onto which pigmented EPDM rubber granules are broadcast into it at a rate of approximately 7.5 lbs./sq. yd., prior to initial cure. After cure is complete excess rubber granules are removed by means of a mechanical sweeper. Remaining EPDM granulate in surface is measurable at a rate of 6 lbs./sq. yd. Depth of wearing coat shall be a minimum of 4mm. for a total thickness of a minimum of 14mm. (Measured to the top of the embedded rubber).

H. Track surfacing shall have two colors as selected by the Owner. Color 1 shall be the base track color. Color 2 shall be installed at the three 400m relay exchange zones.

3.02 SITE CONDITIONS

A. Weather: Surfacing shall not be done when threat of freezing exists for following 24 hours, areas to be surfaced are damp, or rain is imminent.

B. Site: While surfacing and striping are being done, sprinkler systems must be curtailed, shut off, or controlled so that no water falls on track or event area surfaces. Other trades, School District personnel must stay off wet or curing surfaces.

C. Do not apply rubberized topping when base surface temperature is less than 50 degrees F.

D. Provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

E. Keep all construction personnel, other than employees of track installer, 100 feet from equipment and workers.

F. At existing schools no work shall be executed when students and staff are present. All work must be scheduled accordingly and coordinated through OAR.

3.03 STRIPING, RACE MONUMENTS AND MARKINGS

A. Contractor shall consult with owner prior to start of his calculations for determination of finish line location, events to be run, location of lane numbers and additional paint markings. After this meeting a scaled striping diagram shall be submitted.

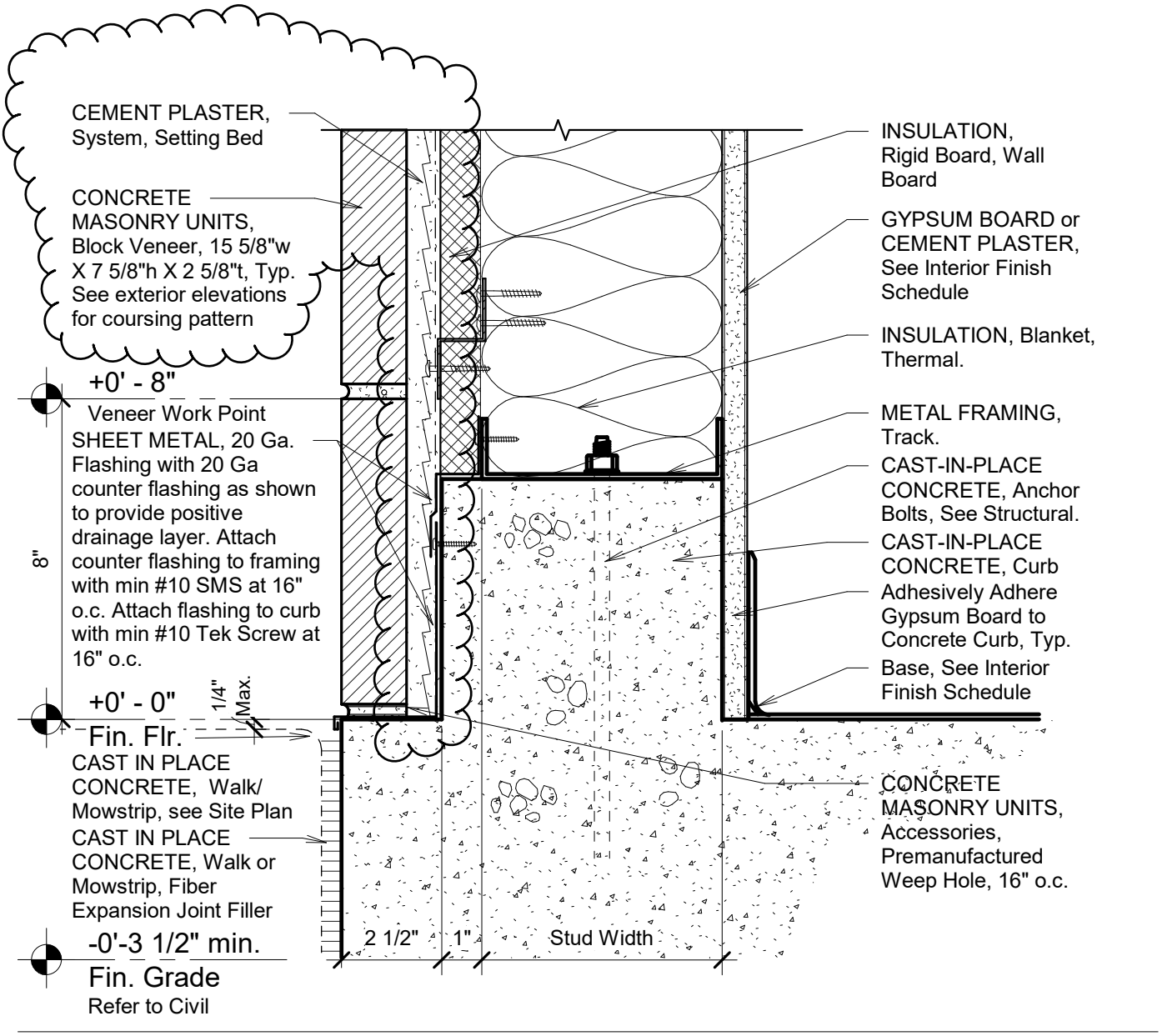
B. A set of computerized calculations shall be prepared and submitted by a Certified Track Builder (CTB) or licensed engineer. The drawing shall verify accurate distance around track for each lane and each race. All calculations should conform to appropriate governing body National Federation of State High School Association.

C. An experienced track-striping specialist with at least 5 years experience and 50 successful projects.

D. Apply striping paint per manufacturer’s specifications for a minimum dry film thickness of 3 mils.

E. A scaled drawing showing all markings on track shall be provided to Owner as part of closeout documents.

F. Additional markings shall include lane numbers (4 locations) and school name at the home side straight-away with two color shadowed text.



A10 - X/A504

CMU face Shell Attachment at Wall Curb

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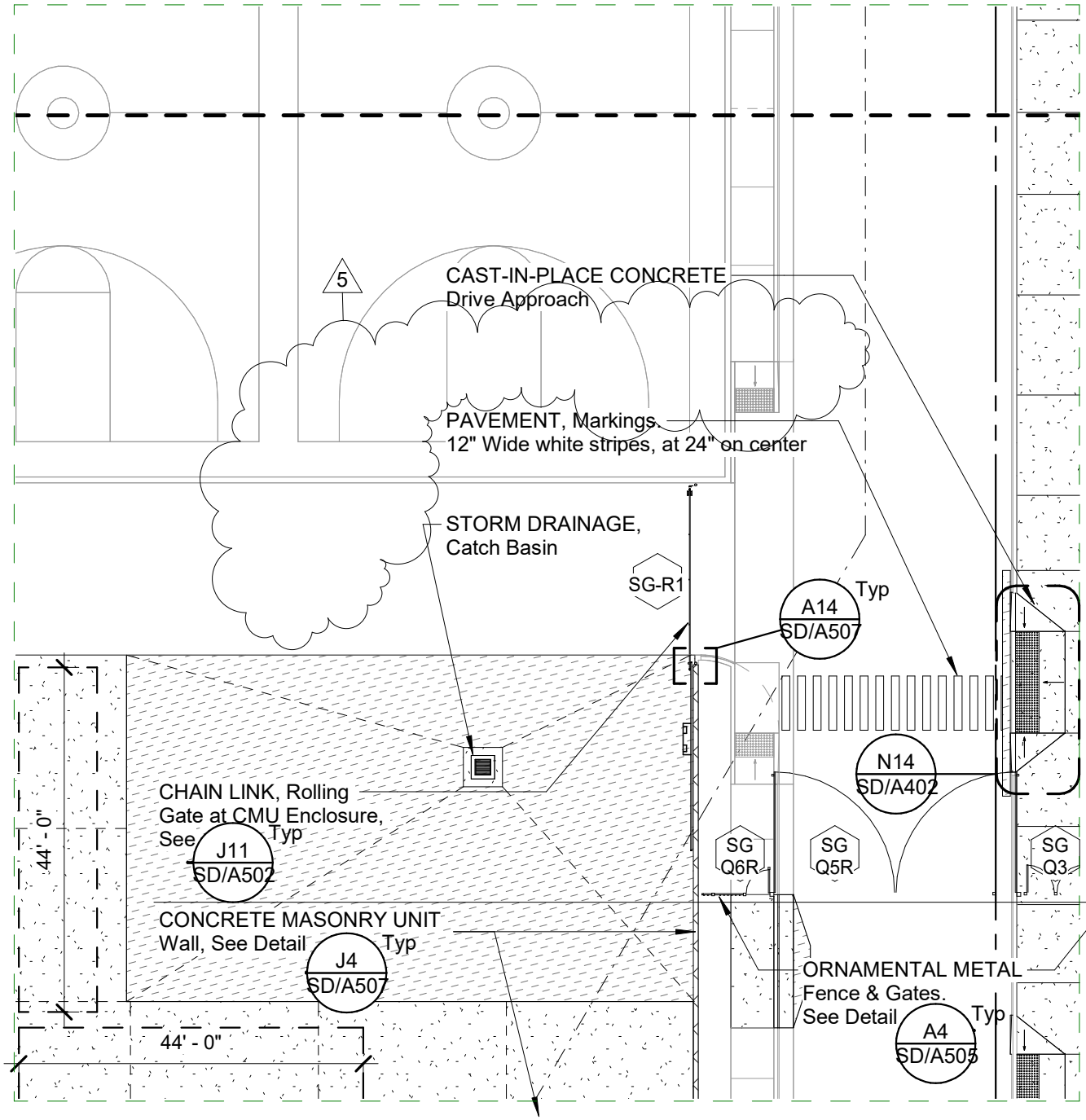
Project No:	0622.4
Date:	05/28/2021
Scale:	3" = 1'-0"

Matilda Torres High School, Toros Stadium
Madera United School District
Madera, CA

AD5-AX01



Sheet SD/A206

Pavement seal note removed

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Project No:	0622.4
Date:	05/28/2021
Scale:	1" = 20'-0"

Matilda Torres High School, Toros Stadium
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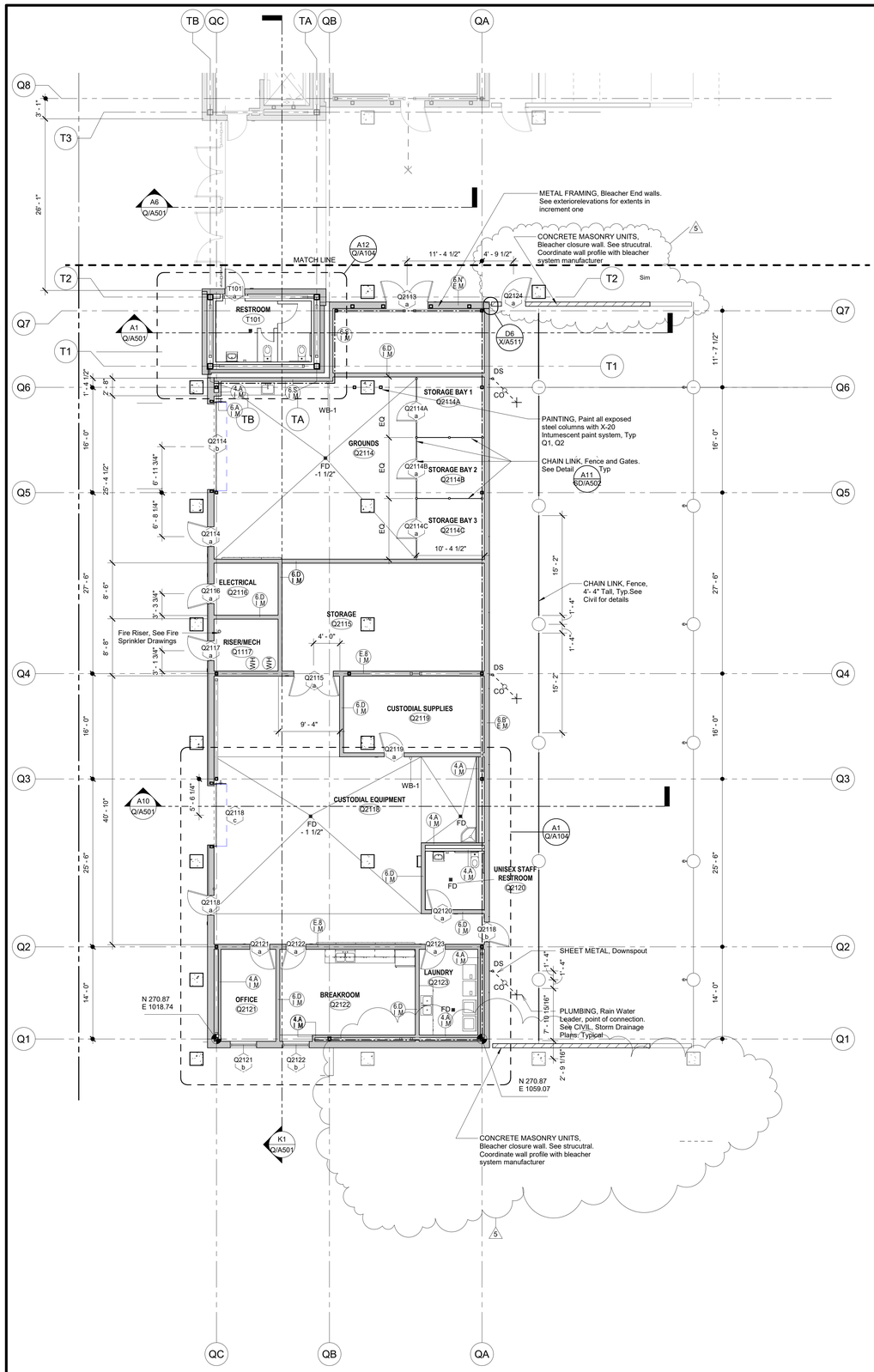
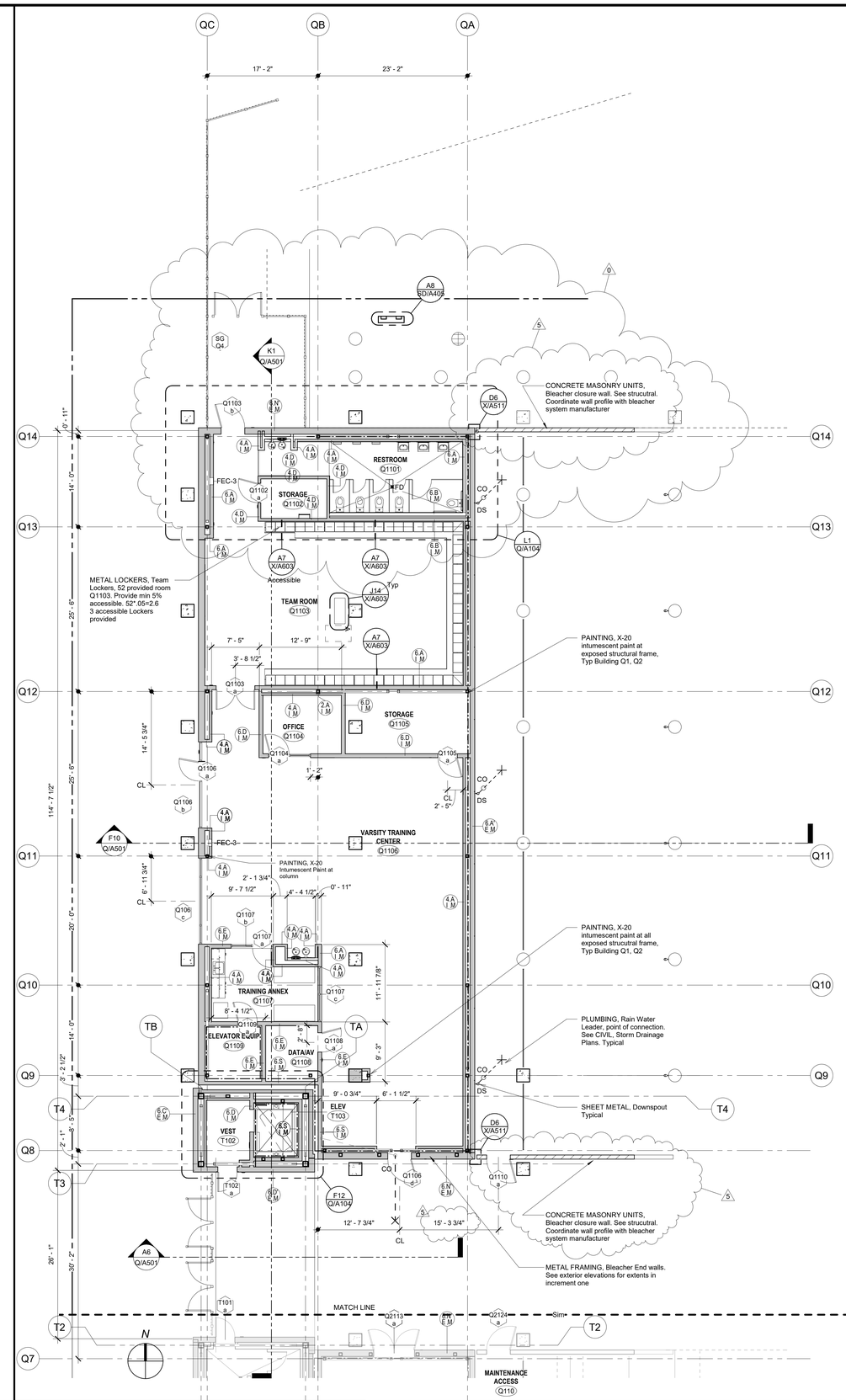
Madera, CA

AD5-AX02





DSA File No.:

DSA Application No.:

Agency Approval

SYMBOLS

- Concrete Masonry Unit Wall. 8" wide unless otherwise noted.
- Concrete Wall, or Column. Size as indicated.
- Stud Wall, Studs and Interior Wall materials continuous from floor to underside of floor or roof deck. Studs at 16" o.c. unless otherwise noted. Interior Wall material include Batt Insulation, Sound Deadening Board, Plywood Sheathing, Gypsum Board, and Cement Plaster/ Ceramic Tile setting bed as occurs occurs. See Wall tags, Typ.
- Stud Wall. Fiinish material continuous from floor to minimum 6" above ceiling. Studs continuous to roof deck; can be braced to underside of roof deck when requested.. Studs at 16"o.c. Unless Otherwise Noted. See Structural for metal framing and bracing.
- 1 Hr. Corridor Wall - Fire Partition (1 Hr. Fire Resistive Construction, 20 Min. Door Assemblies, 45 Min. Window Assemblies)
- 1 Hr. Fire Barrier - (1 Hr. Fire Resistive Construction, 60 Min. Door Assemblies)
- 1 Hr. Occupancy Separation / Fire Barrier - (1 Hr. Fire Resistive Construction, 45 Min. Door Assemblies, 45 Min. Window Assemblies)
- 2 Hr. Fire Wall (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Door Assemblies)
- 2 Hr. Fire Barrier (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Door Assemblies)
- 0 / a — Reference Grid
- 101 / a — Opening Group No. Refer to Door or Window Opening Schedules
- Room name 101 — Room Designation
- ## / a — Wall Assembly Symbols. Refer to Sheet X/A101
- Reference Point
- A — Indicates 48" x 30" Clear Floor or Ground Space
- 5'-0" Dia. — Indicates 60" Clear Turning Space
- CO — PLUMBING, Rain Water Leader connection to Storm Drainage system.
- STRUCTURAL, Cast-in Place-Bleacher Footing, See Strucutral

ABBREVIATIONS

FEBC	FIRE PROTECTION SPECIALTIES, Fire Extinguisher/Blanket Cabinet, Type FEBC-1, Unless Noted Otherwise. Provide Fire Rated Cabinet at Rated Walls. Provide Surface Mounted Cabinet at Rated Walls Where Stud Depth is Less than 6" and at Masonry Walls, See A1 X/A601 Typ
FEC	FIRE PROTECTION SPECIALTIES, Fire Extinguisher Cabinet, Type FEC-1, Unless Noted Otherwise. Provide Fire Rated
CO	PLUMBING, Clean Out. See A1 X/A601 Typ
DS	Downspout
FF	Face of Finish
FOC	Face of Concrete
FD	Floor Drain
FOM	Face of Masonry
FOS	Face of Stud
FS	Floor Sink
HB	Hose Bib
MO	Masonry Opening
POC	Point of Connection
UNO	Unless Noted Otherwise
RO	Rough Opening
RWL	Plumbing, Rain Water Leader
VCT	RESILIENT FLOORING, Vinyl Composition Tile
WB	FIRE PROTECTION SPECIALTIES, Wall Bracket Mounted Fire Extinguisher
Typ.	Typical
Sim.	Similar
OH	Opposite Hand

NOTES

1. All Exterior Walls shall be Wall Assembly Type 6.B E.M Unless Noted Otherwise.
2. All Interior Walls shall be Wall Assembly Type 6.E I.M Unless Noted Otherwise.
3. All Dimensions are to Face of Stud (FOS) or Center Line, Unless Noted Otherwise.
4. All Elevation Dimensions are above Finish Floor at each floor level, Unless Noted Otherwise.
5. Dimensions noted as "+/-" are nominal.
6. Floor Drains (FD) and Floor Sinks (FS) shall be set -3/4" and a min. of 3'-0" from nearest wall, Unless Noted Otherwise. Slope to Floor Drain or Sink shall be 2% Max in any direction.
7. IDENTIFYING DEVICES, For Room Signage refer E11 X/A601 Typ to and Specifications
8. FIRE RESISTIVE ASSEMBLIES:
   a. All Through Penetrations and Wall Membrane Penetrations through Walls of Fire Resistive Construction shall be protected in accordance with their Fire Resistive Ratings.
   b. All Walls of Fire and/or Smoke Resistive Construction Shall Be Permanently Identified with Signs or Stenciling in lettering not less than 3 inches (76 mm) in. height with a minimum 3/8 inch (9.5 mm) stroke in a contrasting color incorporating the following wording: FIRE AND/OR SMOKE BARRIER "#" HOUR RATED, PROTECT ALL OPENINGS, Signs or Stenciling shall be located above ceilings on both sides of the wall, located 15'-0" from ends of wall and at intervals not to exceed 30'-0" horizontally along the wall or partition. Note: "#" indicates the hourly rating of the wall or partition.

F18 — Floor Plan Legend

No Scale

Matilda Torres High School, Toros Stadium
Madera United School District
Madera, CA
Project

BUILDING Q
FLOOR PLANS - FIRST FLOOR
Drawing

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Architect

No.	Revision/Submission	Date
0	Addenda 0	03 2022
5	addenda 5	5/25/22

Revision

Designed By: MH
Drawn By: MOF
Checked By: MH
Reviewed By: TA

Scale: 1/8" = 1'-0"
Project Number: 0622.4
Date: 05/28/2021

Q/A102

Sheet: _____ of: _____

A1 — Building Q - Floor Plan (South End) — 1/8" = 1'-0"

A9 — Building Q - Floor Plan (North End) — 1/8" = 1'-0"

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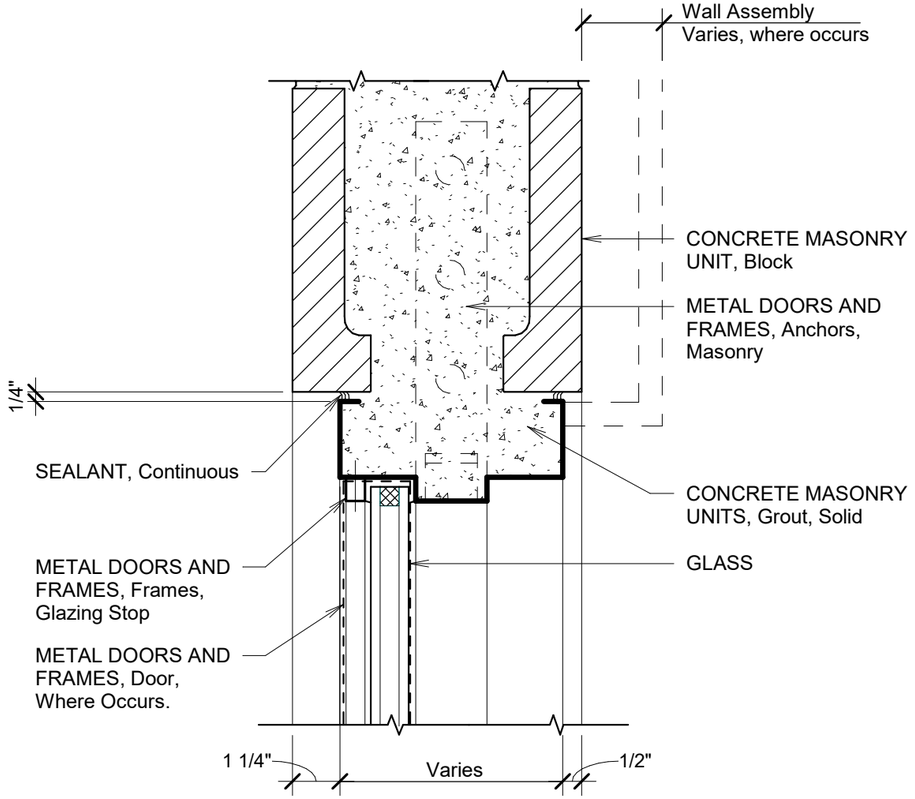
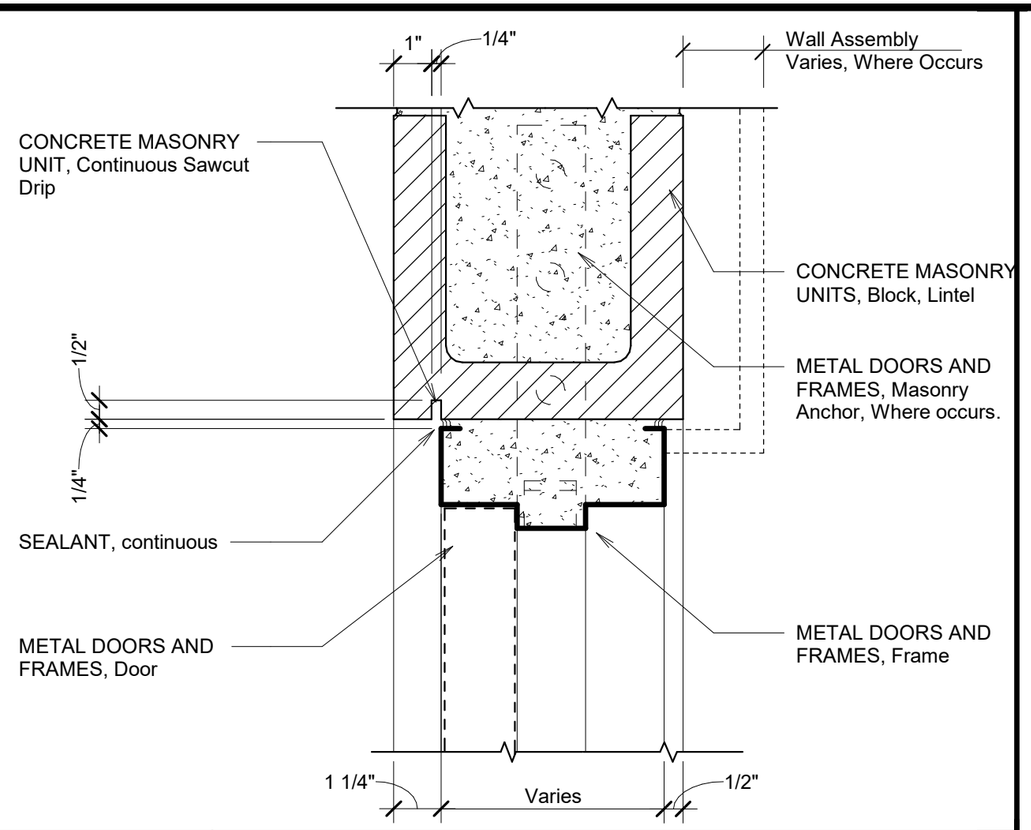
AD5-AX03



E14 — METAL DOORS AND FRAMES, Jamb and Sill at Exterior

3" = 1'-0"



E11 — METAL DOORS AND FRAMES, Head at Exterior

3" = 1'-0"

Opening Schedule Door - Building Q Copy 2

Building	Door No.	Frame Type	Size			Door Material	Door Type			Threshold	Hardware		Fire Rating	Comments
			Width	Height	Thickness			Head	Jamb		Group	Keying Room No		
Level 1														
Q1	Q1110 a	HM-7	3' - 8"	7' - 10"	0' - 1 3/4"	HM	F	E11 - X/A411	E14 - X/A411	E14-X/A410	80E	EXT	-	6
Q2	Q2124 a	HM-7	3' - 8"	7' - 10"	0' - 1 3/4"	HM	F	E11 - X/A411	E14 - X/A411	E14-X/A410	80E	EXT		6

Revised Doors in CMU wall
Add details at E11- X/A411 and E11- X/A411

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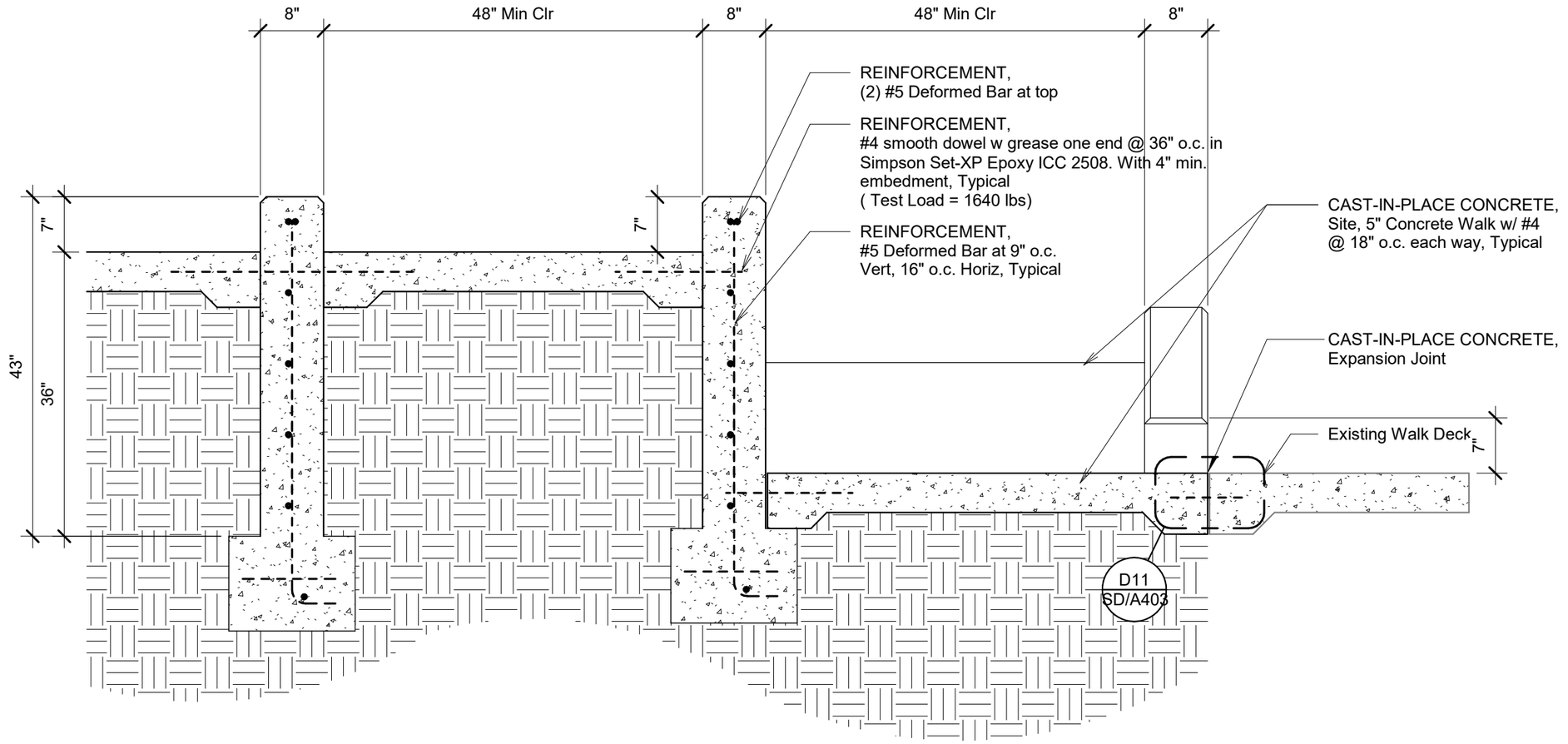
Designed By: Designer	Project Number: 0622.4
Drawn By: Author	Scale: 3" = 1'-0"
Checked By: Checker	
Reviewed By: Approver	AD5-AX04
Date: 05/28/2021	



SECTION A - SLOPED WALK / RAMP SECTION AT BOTTOM LANDING

5/26/2022 9:35:38 AM
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Section A
Detail F4 SD/A404

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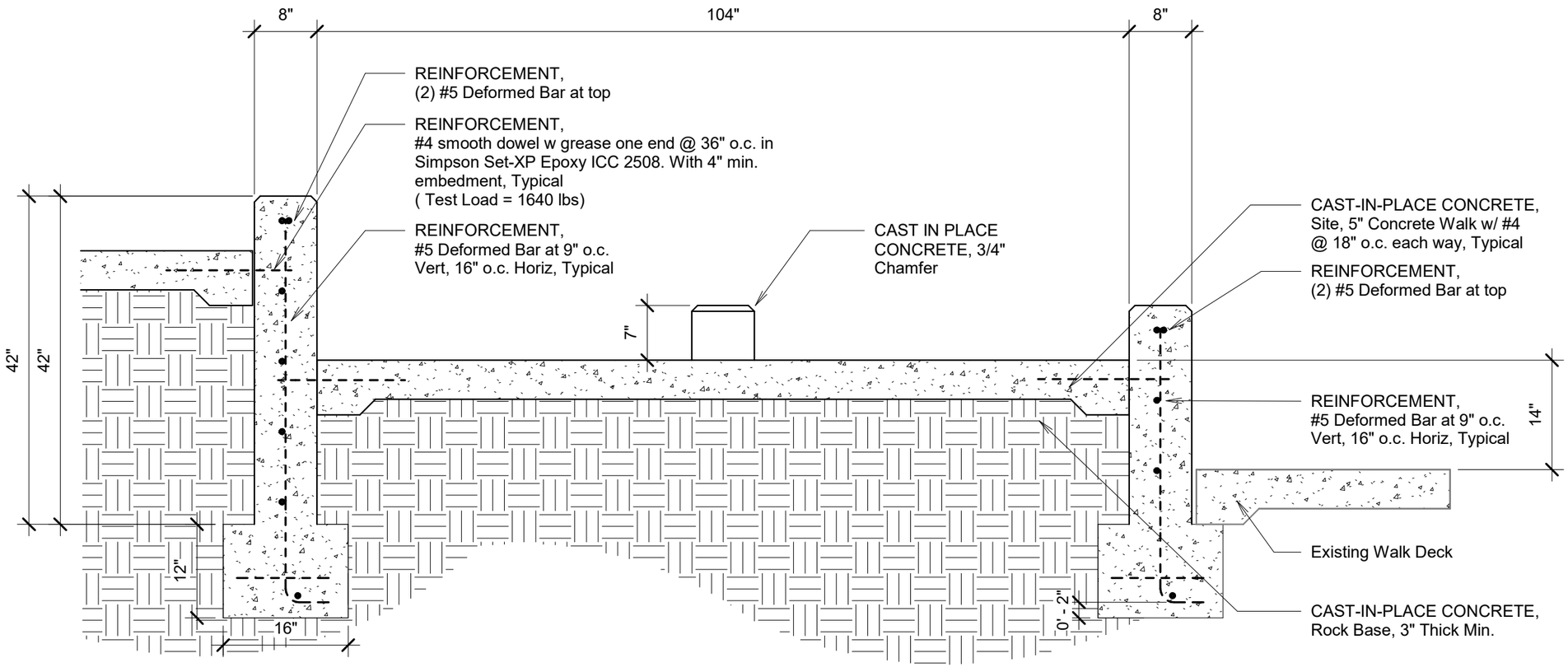
Designed By: Designer	Project Number: 0622.4
Drawn By: Author	Scale: 3/4" = 1'-0"
Checked By: Checker	
Reviewed By: Approver	AD5-AX05
Date: 05/28/2021	



SECTION B - SLOPED WALK / RAMP SECTION AT MID-LEVEL LANDING

Section B
Detail F4 SD/A404

Matilda Torres High School, Toros Stadium
Madera United School District
Madera, CA

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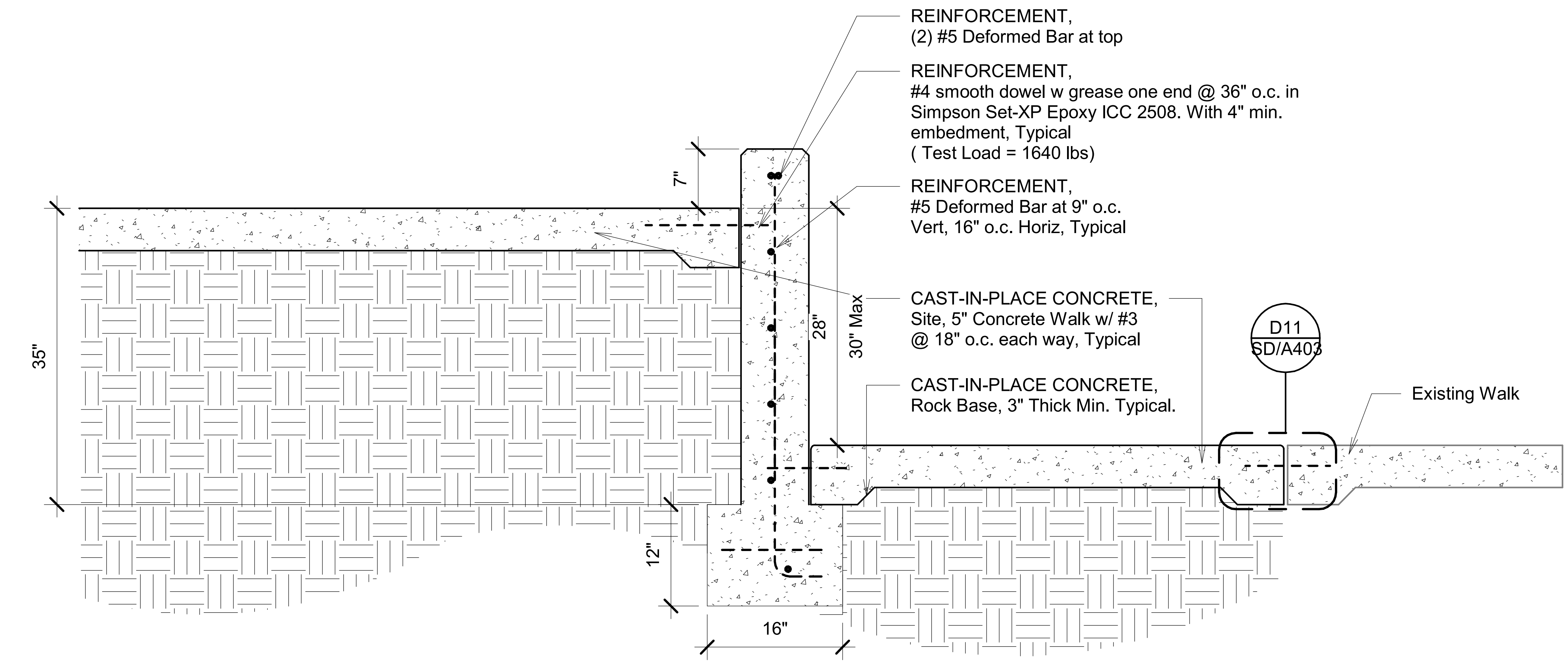
6790 N. West Avenue · Fresno, California 93711 · 559 448-8051 · Fax 559 446-1765

Designed By: Designer	Project Number: 0622.4
Drawn By: Author	Scale: 3/4" = 1'-0"
Checked By: Checker	
Reviewed By: Approver	AD5-AX06
Date: 05/28/2021	



SECTION C - SLOPED WALK / RAMP SECTION AT TOP LANDING

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Section C

Detail F4-SD/A404

Matilda Torres High School, Toros Stadium

Madera United School District

Madera, CA

darden architects

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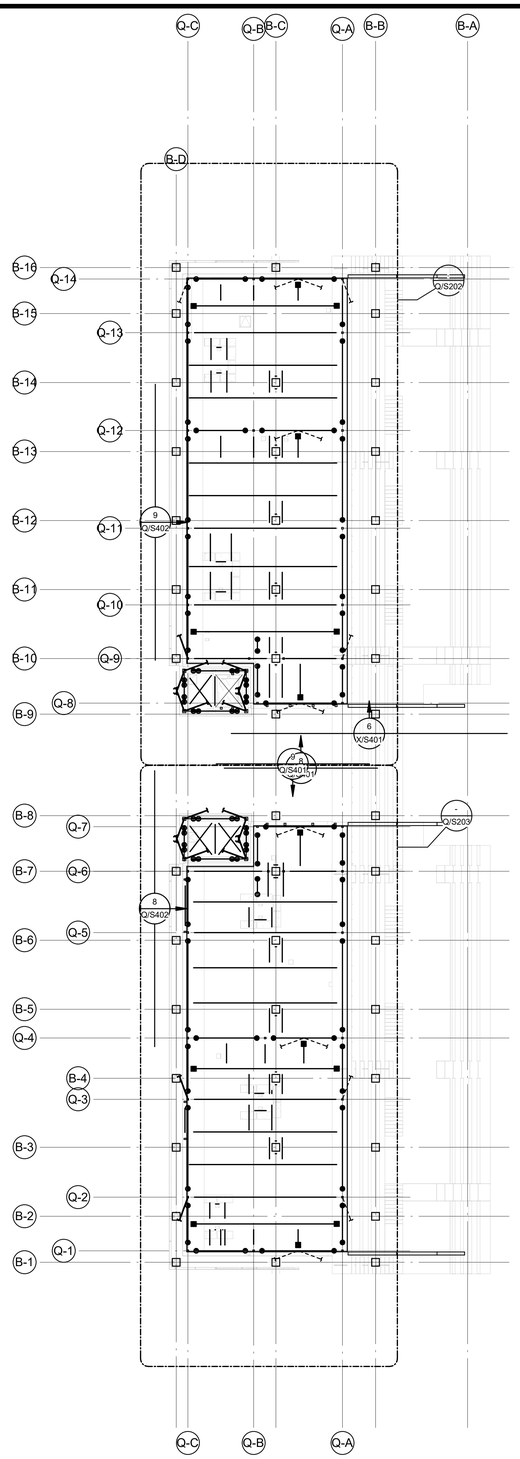
Designed By: Designer	Project Number: 0622.4
Drawn By: Author	Scale: 3/4" = 1'-0"
Checked By: Checker	Copyright 2020 Darden Architects
Reviewed By: Approver	AD5-AX07
Date: 05/28/2021	



FRAMING PLAN NOTES:

1. NOTES AND DETAILS ON SHEETS LABELED AS "GENERAL" OR "TYPICAL" ARE APPLICABLE TO ALL DRAWINGS, UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF STUD.
4. FOR GUIDELINES AND LIMITATIONS FOR SUPPORTING FROM STRUCTURE, SEE
5. SEPARATION JOINT DIMENSIONS SHOWN ON PLAN INDICATE MINIMUM CLEAR DISTANCE REQUIRED BETWEEN ADJACENT BLDG ELEMENTS. WHERE BLDG FINISHES/FIRE PROTECTION OCCUR, CLEAR DIMENSION SHALL BE MAINTAINED BTWN THOSE ELEMENTS.
6. FOR TYPICAL STEEL DETAILS, SEE SHEETS **X/S521** THRU **X/S522** .
7. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & SEOR FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
8. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
9. FOR TYPICAL BEAM TO BEAM CONNECTION, SEE **1/X/S521** OR **2/X/S521** UNO.
10. FOR TYPICAL BEAM TO COLUMN CONNECTION AT ROOF CONDITIONS SEE **4/X/S521** , **5/X/S521** , **6/X/S521** , & **7/X/S521** .
11. ALL WELDS AT CONNECTIONS INDICATED AS ▶ ● ●● ◆ ◆◆, SHALL BE MADE w/ FILLER METALS IN ACCORDANCE w/ AWS D1.8 CLAUSES 6.1, 6.2, & 6.3. FOR DEMAND CRITICAL WELD REQUIREMENTS, SEE NOTES ON SCHEDULE **B/X/S521** .
12. VERIFY ALL ROOF OPENINGS, LOCATIONS, & DIMENSIONS WITH ARCH DWGS PRIOR TO FABRICATION AND DETAILING. ALL ROOF OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK SHEET PER DETAIL **12/X/S561** . ADDL WF BLKG MAY BE REQD AT OPNGS AS SHOWN ON PLAN OR WHERE OPNGS EXCEED PROVISIONS OF TYPICAL DETAILS.
13. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLANS.
14. ALL VISUALLY EXPOSED STEEL SHALL MEET "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" REQUIREMENTS. SEE ARCH DWGS AND SPECS.
15. STRUCTURAL WOOD WALL SHEATHING TO BE 15/32" APA RATED STRUCT 1 GRADE (4-PLY). FASTEN TO MTL STUDS PER **X/S601** . REFER TO WALL SECTIONS FOR LOCATIONS.

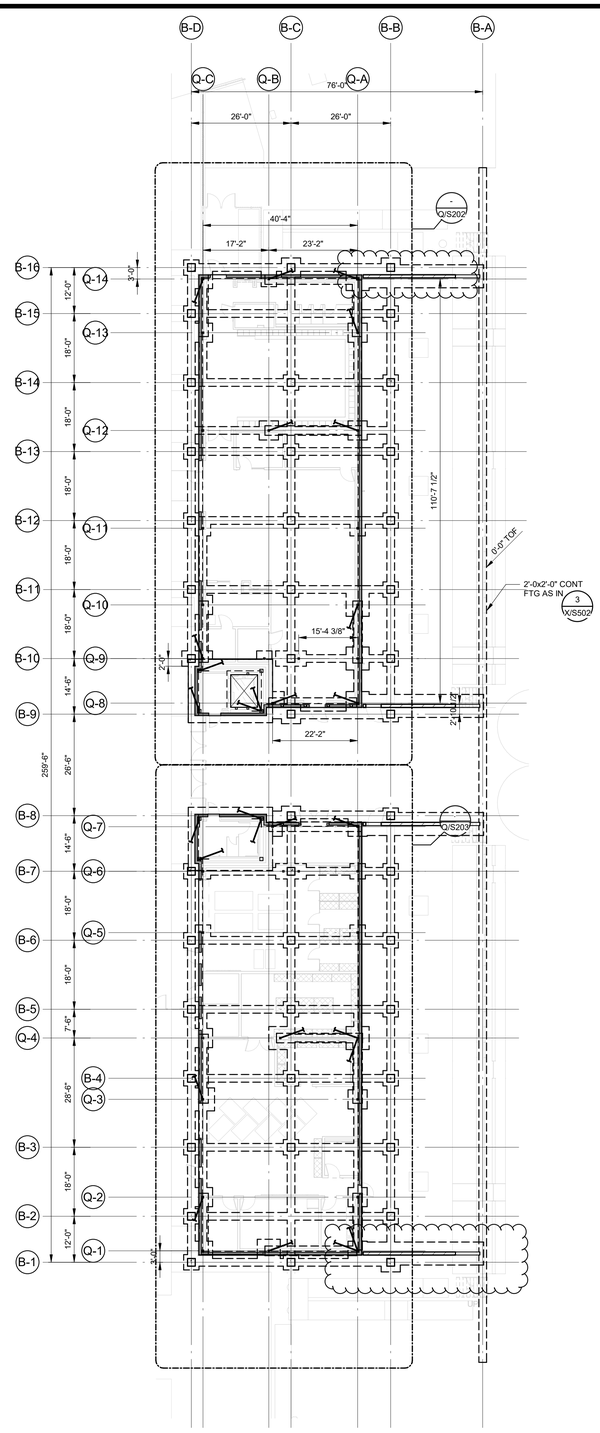
FRAMING LEGEND:

- OPENING IN METAL DECK. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT AT SMALL OPENINGS, SEE **1/X/S562** .
- OPENING IN CONCRETE OVER METAL DECK AT PENETRATING CONCRETE BLEACHER SUPPORT COLUMNS (BUILDING Q ONLY). LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT AT OPENING, SEE **1/X/S562** .
- X'-XX" TOS — ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
- BARE METAL DECK. ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER **A/X/S561** .
- CONC FILL OVER METAL DECK. ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER **A/X/S561** .
- W18x35 C=1" — BEAM SIZE, AND UPWARD CAMBER (WHERE NO CAMBER IS SPECIFIED, FABRICATE WITH NATURAL MILL CAMBER UP).
- W18x35 (40) C=1" — BEAM SIZE, NUMBER OF WELDED HEADED STUDS (WHS), AND UPWARD CAMBER (WHERE NO CAMBER IS SPECIFIED, FABRICATE WITH NATURAL MILL CAMBER UP). WELDED HEADED STUDS PER **2/X/S561** .
- ▷ WF NON-FRAME MOMENT CONNECTION, SEE **3/X/S521** .
- ● OR ●● SINGLE (●) OR DOUBLE (●●) ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER **9/X/S521** & **10/X/S521** .
- ■ BOTTOM FLANGE BRACING, SEE **11/X/S521** .
- ▫ HSS COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.
- STEEL BRACED FRAME. SEE ELEVATIONS FOR CONFIGURATION AND ADDITIONAL INFORMATION.
- MECHANICAL UNIT. ALL BLOCKING BEAMS SHALL BE W8x10 UNO AND SHALL BE CENTERED BELOW PREFABRICATED CURBS. SEE MECHANICAL UNIT SCHEDULE FOR WEIGHTS AND ATTACHMENT OF UNIT/CURBS TO STRUCTURE. FOR ADDITIONAL INFORMATION, SEE **13/X/S561** & **14/X/S561** FOR CONDITIONS AT BARE METAL DECK AND **14/X/S561** FOR CONDITION AT CONCRETRE FILL OVER METAL DECK.
- XX# AHU Mk — MECHANICAL UNIT TYPE MARK w/ MAX OPERATING WEIGHT INDICATED.
- METAL STUD STRUCTURAL WALL ABOVE.
- METAL STUD STRUCTURAL WALL BELOW.
- CONCRETE COLUMN. SIZE INDICATED AT BASE LEVEL OF COLUMN ONLY.

5

BUILDING Q ROOF FRAMING PLAN

1/16" = 1'-0"



FOUNDATION PLAN NOTES:

1. NOTES AND DETAILS ON SHEETS LABELED AS "GENERAL" OR "TYPICAL" ARE APPLICABLE TO ALL DRAWINGS, UNO.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO THE CL OF COLUMN OR FACE OF STUD.
4. SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT LISTED IN THE FOUNDATION GENERAL NOTES. BOTTOM OF FOOTING EXCAVATIONS SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. THE BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 24" BELOW LOWEST ADJACENT GRADE DEFINED AS BOTTOM OF SOG AT INTERIOR AND FINISHED GRADE AT EXTERIOR.
5. SLAB ON GRADE SHALL BE 5" THICK CONCRETE w/ #4 @ 18"CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 15 MIL VAPOR RETARDER OVER 4" CLEAN CRUSHED ROCK. TOP OF CONCRETE SLAB ON GRADE, REFERENCE ELEV 0'-0" UNO.
6. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & SEOR FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
7. PROVIDE SLAB ON GRADE CONTROL JOINTS (SJ) AS INDICATED PER **6/X/S501**TYP AT ALL INTERIOR SLABS. CONSTRUCTION JOINTS (CJ) MAY REPLACE CONTROL JOINTS AS REQUIRED.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL CONDITION CONTROL JOINTS WITH ARCH DRAWINGS.
9. CONTRACTOR TO COORDINATE EXACT DIMENSIONS AND LOCATIONS OF THICKENED SLABS, HOUSEKEEPING PADS, ETC. WITH ALL OTHER DISCIPLINE'S DRAWINGS AS WELL AS WITH THE EQUIPMENT PROVIDED, PRIOR TO COMMENCING WORK.
10. COORDINATE CURB LOCATIONS AND EXTENTS WITH ARCH DRAWINGS. FOR CURBS BELOW NON-STRUCTURAL WALLS, SEE **10/X/S501** & **11/X/S501** .
11. TEMPORARY LOADS APPLIED DURING CONSTRUCTION HAVE NOT BEEN CONSIDERED IN SLAB ON GRADE DESIGN.
12. SEE ARCH & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
13. PROVIDE 3" MIN. CONCRETE COVER AT STRUCTURAL STEEL AND ANCHOR BOLTS BELOW GRADE, TYP.
14. CONTINUE ALL REINFORCING IN CONTINUOUS FOOTINGS THROUGH SPREAD FOOTINGS, TYP UNO.

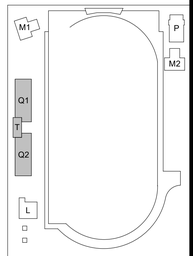
FOUNDATION LEGEND:

- GB1 — TYPICAL GRADE BEAM (BUILDING Q1 & Q2), FOR SIZE AND REINFORCING SEE DETAILS **3/X/S502** & **4/X/S502** .
- (Mk) (Mk) -X'-XX" — FOOTING MARK AND FOOTING MARK WITH TOP OF FOOTING ELEVATION. SEE FOOTING SCHEDULE FOR TYPICAL TOF ELEVATION. ELEVATION IS RELATIVE TO REFERENCE ELEV 0'-0". (TOP OF SOG).
- CONCRETE CURB. VERIFY EXTENT w/ ARCH DWGS.
- CONCRETE HOUSEKEEPING PAD PER **12/X/S501** . SEE ARCH FOR EXTENT. SEE FOUNDATION PLAN NOTE#11 FOR ADDL INFO.
- -1'-6" TOF — TOP OF FOOTING ELEVATION WITH RESPECT TO REFERENCE ELEV 0'-0". THE BOTTOM OF ALL FOOTINGS SHALL BE AS PER FOUNDATION PLAN NOTE #4.
- HSS5x5x3/8 — HSS GRAVITY COLUMN & SIZE. FOR BASE PLATE, SEE **8/X/S521** AND **C/X/S521** .
- STEEL BRACED FRAME, SEE ELEVATIONS FOR CONFIGURATIONS AND ADDITIONAL INFORMATION.
- STRUCTURAL METAL STUD WALL. ALL STRUCTURAL METAL STUDS WALLS ARE 600S162-54 @ 16"CC UNO IN SECTIONS AND DETAILS.

5

BUILDING Q FOUNDATION PLAN

1/16" = 1'-0"



DSA File No.:
20-H3

DSA Application No.:
02-118707 INC-1

Agency Approval

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916.443.0303

Consultant

Matilda Torres High School, Toros Stadium
Madera United School District
Madera, CA

Project

BUILDING Q1, Q2, & T
OVERALL FRAMING PLANS

Drawing

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ARCHITECTURE
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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 REN. 10-31-21 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date
	DSA SUBMITTAL	12/18/2020
3	ADDENDA A	01/15/2022
5	ADDENDUM 5	05/27/2022

Revision

	Designed By: TEK	Copyright 2020 Darden Architects
Scale: As indicated	Drawn By: RAZ	
Project Number: 0622.4	Checked By: TEK	Q/S201
Date: 08/09/2021	Reviewed By:DLP	Sheet: _____ of: _____

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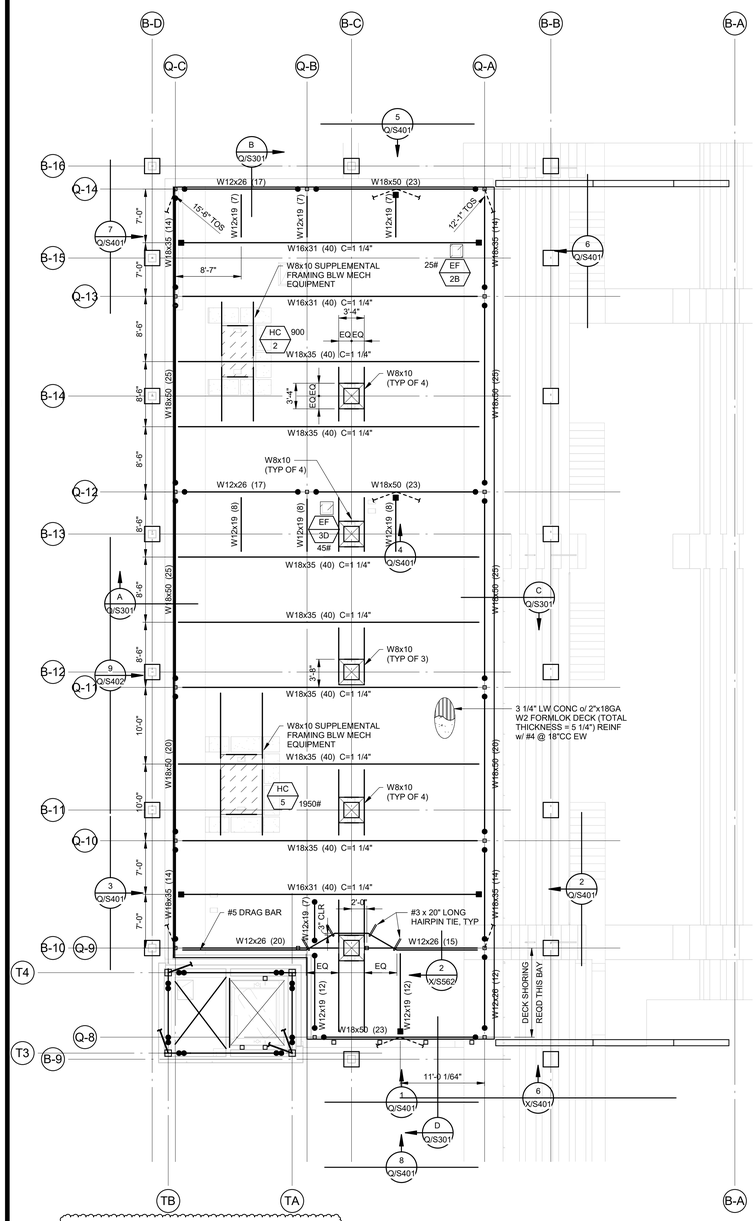
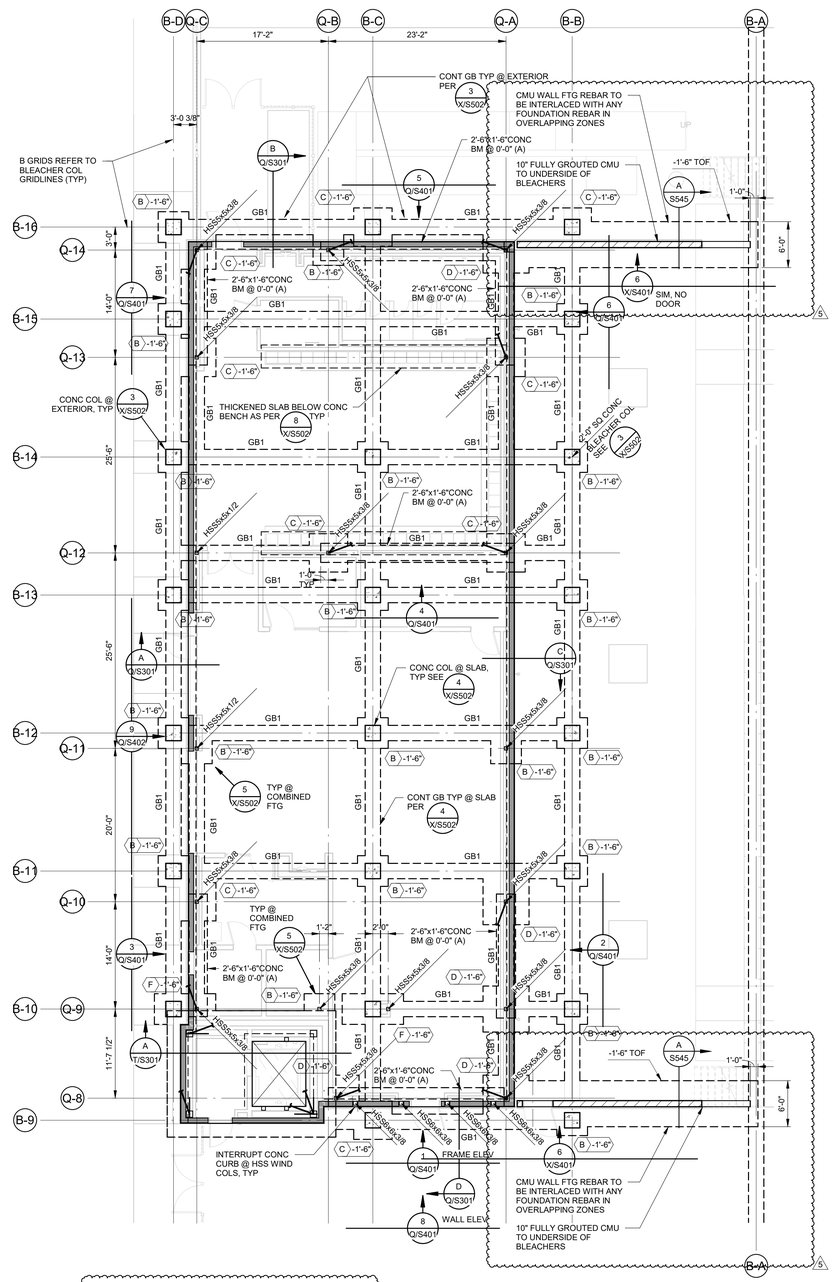


NOTE: REFERENCE SHEET **Q/S201** FOR FRAMING PLAN NOTES.

BUILDING Q1 - ROOF FRAMING PLAN (NORTH END)

1/8" = 1'-0"



NOTE: REFERENCE SHEET **Q/S201** FOR FOUNDATION PLAN NOTES.

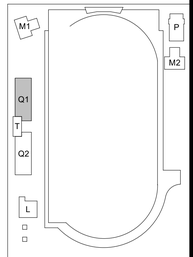
BUILDING Q1 - FOUNDATION PLAN (NORTH END)

1/8" = 1'-0"

FOOTING SCHEDULE

NOTES:
1. TOP OF FOOTING AT -1'-6" TYP UNO ON PLANS.
2. LONGITUDINAL AND TRANSVERSE BARS TO BE EQUALLY SPACED ACROSS FOOTING.

Mk	SIZE (L x W x D)	BOTT REINF	TOP REINF
A	3'-0" x 3'-0" x 1'-6"	(4) #5 EW	---
B	4'-0" x 4'-0" x 2'-0"	(6) #6 EW	---
C	5'-0" x 5'-0" x 2'-0"	(6) #6 EW	(6) #6 EW
D	6'-0" x 6'-0" x 2'-0"	(8) #6 EW	(8) #6 EW
E	6'-8" x 5'-0" x 2'-0"	(10) #5 EW	(10) #5 EW
F	8'-0" x 4'-0" x 2'-0"	(10) #6 EW	(10) #6 EW
AA	9'-5" x 5'-0" x 2'-0"	(7) #5 LONGIT & #5 @ 12"CC TRANS	(7) #5 LONGIT & #5 @ 12"CC TRANS
BB	10'-9" x 5'-0" x 2'-0"	(7) #5 LONGIT & #5 @ 12"CC TRANS	(7) #5 LONGIT & #5 @ 12"CC TRANS
CC	11'-0" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
DD	11'-8" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
EE	14'-0" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
FF	14'-4" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
GG	15'-0" x 5'-0" x 2'-0"	(7) #5 LONGIT & #5 @ 12"CC TRANS	(7) #5 LONGIT & #5 @ 12"CC TRANS
HH	16'-0" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
JJ	17'-11" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
KK	22'-0" x 16'-6" x 2'-6"	(20) #7 LONGIT & (18) #7 TRANS	(20) #8 LONGIT & (18) #7 TRANS
LL	22'-0" x 16'-6" x 2'-6"	(20) #7 LONGIT & (22) #7 TRANS + SUPPLENENTAL REINF PER 1/X/SS502 & 2/X/S502	(20) #8 LONGIT & (22) #7 TRANS + SUPPLEMENTAL REINF PER 1/X/SS502 & 2/X/S502



DSA File No.:
20-H3

DSA Application No.:
02-118707 INC-1

Agency Approval

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916 443 0303

Consultant

Matilda Torres High School, Toros Stadium
Madera United School District
Madera, CA

Project

BUILDING Q1
FOUNDATION PLAN & ROOF FRAMING PLAN (NORTH END)

Drawing

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Architect

No.	Revision/Submission	Date
	DSA SUBMITTAL	12/18/2020
1	DSA PLAN CHECK RESPONSE	08/09/2021
3	ADDENDA A	01/15/2022
5	ADDENDUM 5	05/27/2022

Revision

Designed By: TEK
Drawn By: RAZ
Checked By: TEK
Reviewed By:DLP

Scale: 1/8" = 1'-0"
Project Number: 0622.4
Date: 08/09/2021

Q/S202

Sheet: _____ of: _____

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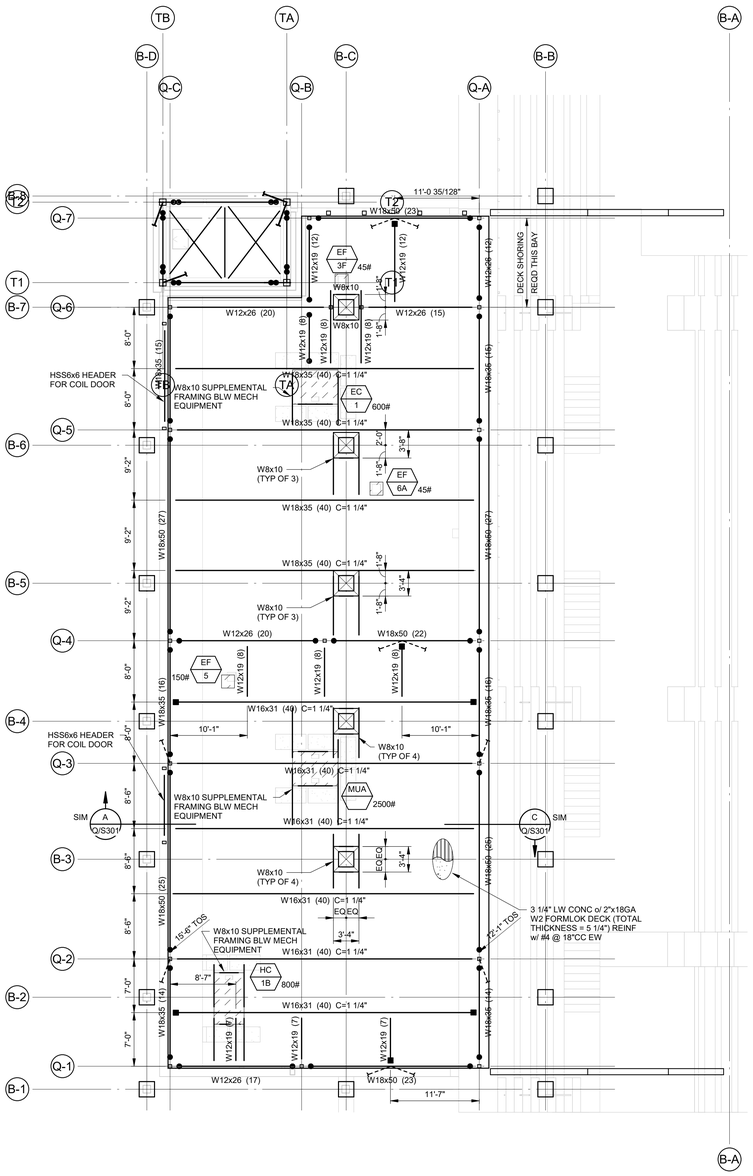
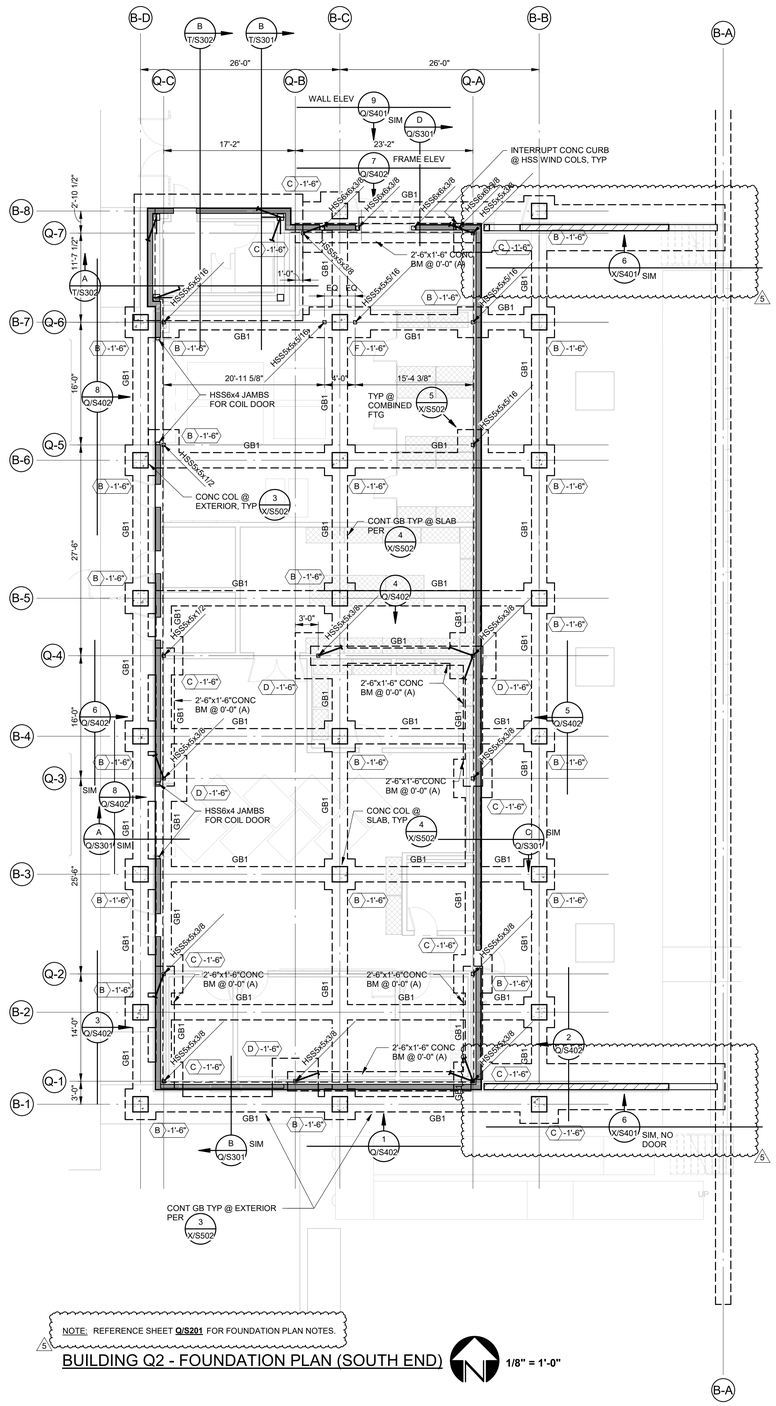


NOTE: REFERENCE SHEET **Q/S201** FOR FRAMING PLAN NOTES.

BUILDING Q2 - ROOF FRAMING PLAN (SOUTH END)

1/8" = 1'-0"



NOTE: REFERENCE SHEET **Q/S201** FOR FOUNDATION PLAN NOTES.

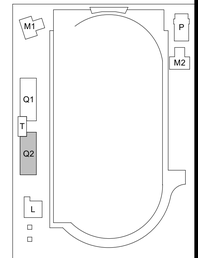
BUILDING Q2 - FOUNDATION PLAN (SOUTH END)

1/8" = 1'-0"

FOOTING SCHEDULE

NOTES:
1. TOP OF FOOTING AT -1'-6" TYP UNO ON PLANS.
2. LONGITUDINAL AND TRANSVERSE BARS TO BE EQUALLY SPACED ACROSS FOOTING.

Mk	SIZE (L x W x D)	BOTT REINF	TOP REINF
A	3'-0" x 3'-0" x 1'-6"	(4) #5 EW	---
B	4'-0" x 4'-0" x 2'-0"	(6) #6 EW	---
C	5'-0" x 5'-0" x 2'-0"	(6) #6 EW	(6) #6 EW
D	6'-0" x 6'-0" x 2'-0"	(8) #6 EW	(8) #6 EW
E	6'-8" x 5'-0" x 2'-0"	(10) #5 EW	(10) #5 EW
F	8'-0" x 4'-0" x 2'-0"	(10) #6 EW	(10) #6 EW
AA	9'-5" x 5'-0" x 2'-0"	(7) #5 LONGIT & #5 @ 12"CC TRANS	(7) #5 LONGIT & #5 @ 12"CC TRANS
BB	10'-9" x 5'-0" x 2'-0"	(7) #5 LONGIT & #5 @ 12"CC TRANS	(7) #5 LONGIT & #5 @ 12"CC TRANS
CC	11'-0" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
DD	11'-8" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
EE	14'-0" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
FF	14'-4" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
GG	15'-0" x 5'-0" x 2'-0"	(7) #5 LONGIT & #5 @ 12"CC TRANS	(7) #5 LONGIT & #5 @ 12"CC TRANS
HH	16'-0" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
JJ	17'-11" x 4'-0" x 2'-0"	(6) #5 LONGIT & #5 @ 12"CC TRANS	(6) #5 LONGIT & #5 @ 12"CC TRANS
KK	22'-0" x 16'-6" x 2'-6"	(20) #7 LONGIT & (18) #7 TRANS	(20) #8 LONGIT & (18) #7 TRANS
LL	22'-0" x 16'-6" x 2'-6"	(20) #7 LONGIT & (22) #7 TRANS + SUPPLEMENTAL REINF PER 1/XS502 & 2/XS502	(20) #8 LONGIT & (22) #7 TRANS + SUPPLEMENTAL REINF PER 1/XS502 & 2/XS502



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Consultant

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Madera, CA

Project

BUILDING Q2
FOUNDATION PLAN & ROOF FRAMING PLAN (SOUTH END)

Drawing

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LICENSED ARCHITECT ROBERT L. PETITDEMANGE No. C15968 Exp. 11-30-21 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date
	DSA SUBMITTAL	12/18/2020
1	DSA PLAN CHECK RESPONSE	08/09/2021
3	ADDENDA A	01/15/2022
5	ADDENDUM 5	05/27/2022

Revision

	DesignedDesigner	Copyright 2020 Darden Architects
Scale: 1/8" = 1'-0"	Drawn By: Author	
Project Number: 0622.4	Checked tChecker	*Q/S203*
Date: 08/09/2021	ReviewevApprover	Sheet: _____ of: _____

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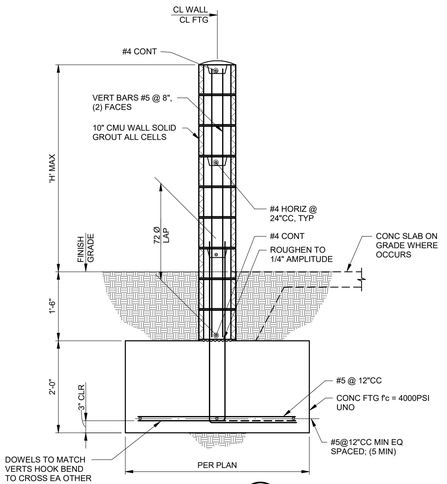
AD5-SX03

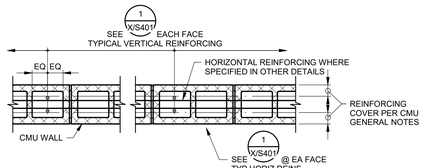
CONCRETE MASONRY UNITS (CMU)
410SN001

1. ALL MASONRY SHALL BE MANUFACTURED AND PLACED IN ACCORDANCE WITH TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", AND TMS 602 "SPECIFICATION FOR MASONRY STRUCTURES".
2. MASONRY UNITS AND COMPONENTS THAT ARE DAMAGED ARE NOT TO BE INSTALLED IN THIS PROJECT. REINFORCEMENTS AND ACCESSORIES ARE NOT TO BE STORED ON THE GROUND AND ARE TO BE PROTECTED FROM PERMANENT DISTORTIONS.
3. WHEN THE AMBIENT AIR TEMPERATURE IS BELOW 40°F, THE COLD WEATHER PROCEDURES FROM TMS 602, ARTICLE 1.8C ARE TO BE IMPLEMENTED. WHEN THE AMBIENT AIR TEMPERATURE IS ABOVE 90°F, THE HOT WEATHER PROCEDURES FROM TMS 602, ARTICLE 1.8D ARE TO BE IMPLEMENTED.
4. CONCRETE BLOCK UNITS SHALL CONFORM TO ASTM C90 . f'm = 2000 PSI. f'm SHALL BE VERIFIED IN ACCORDANCE WITH TMS 602, ARTICLE 1.4 B.2. CONCRETE BLOCK UNITS SHALL BE MEDIUM WEIGHT. ALL MASONRY CONSTRUCTION IS TO BE GROUTED SOLID.
5. MORTAR SHALL BE TYPE S PER ASTM C270.
6. GROUT SHALL CONFORM TO ASTM C476. THE CONTRACTOR IS TO DETERMINE THE PROPER APPLICATION OF FINE GROUT OR COARSE GROUT BASED ON THE GROUT POUR HEIGHT USED AND THE CLEAR GROUT SPACE WIDTH (FOR MULTI-WYTHE CONSTRUCTION) OR CLEAR GROUT SPACE DIMENSIONS IN ACCORDANCE WITH TMS 402 TABLE 3.2.1. GROUT SHALL BE PROPORTIONED TO ATTAIN A 28 DAY COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED f'm VALUE NOTED ABOVE. NOT MORE THAN 5% OF THE PEA GRAVEL SHALL PASS THE NO. 8 SIEVE AND 100% SHALL PASS THE 3/8" SIEVE. WHEN REQUIRED, GROUT STRENGTH SHALL BE VERIFIED IN ACCORDANCE WITH ASTM C1019. GROUT MIX SHALL HAVE APPROXIMATELY 1 LB OF SIKAGROUT AID, OR APPROVED EQUAL, PER 100 LBS OF CEMENTITIOUS MATERIAL.
7. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNO. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES.
8. VERTICAL REINFORCING SHALL CONSIST OF #5 BARS AT 16" ON CENTER, LOCATED AT EACH FACE OF MASONRY WALL, UNO. LOCATE BARS AT ALL CORNERS, WALL ENDS, INTERSECTIONS, JAMBS AND AT EACH SIDE OF A WALL JOINT. LOCATE BARS OR ADD ADDITIONAL BARS DIRECTLY UNDER FRAMING MEMBERS SUCH AS BEAMS, JOISTS, GIRDERS, AND TRUSSES WHERE CENTER TO CENTER SPACING OF FRAMING MEMBERS EXCEED 48"CC. DOWELS WITH STANDARD 90° HOOKS INTO THE FOUNDATION SHALL MATCH AND LAP VERTICAL REINFORCING, TYPICAL, UNLESS NOTED OTHERWISE.
9. INTERMEDIATE HORIZONTAL REINFORCING SHALL CONSIST OF #4 BARS AT 24" ON CENTER, LOCATED AT THE CENTER OF THE MASONRY WALL, UNO. LOCATE TWO (2) #5 HORIZONTAL BARS AT ALL ELEVATED FRAMING ASSEMBLIES, SUCH AS ROOFS, FLOORS, AND STAIRS. ALSO, LOCATE ONE #5 HORIZONTAL BAR AT TOPS OF PARAPETS, TOPS OF FREE-STANDING WALLS, AT THE BOTTOM OF ALL WALLS, AND ALIGNED WITH THE SLAB-ON-GRADE. PLACE A #5 BAR AT EACH FACE OF THE MASONRY WALL ABOVE AND BELOW ALL WALL OPENINGS, UNO. EXTEND THESE BARS A MINIMUM OF A LAP LENGTH PAST THE EDGE OF THE OPENING. WHERE EXTENSION CAN NOT BE ACHIEVED, BEND BARS UP OR DOWN FOR A DISTANCE EQUAL TO THE SPECIFIED LAP LENGTH.
10. PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAPS MINIMUM OF 5'-0".
11. MINIMUM REBAR CLEARANCE TO FACE SHELL IS ONE BAR DIAMETER OR 1/2", WHICHEVER IS GREATER. WHERE WALLS ARE EXPOSED TO EARTH OR WEATHER, A MINIMUM COVER FOR THE REINFORCING BARS OF 2" SHALL BE MAINTAINED.
12. BEFORE BLOCK IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. ROUGHEN AS IN A CONCRETE CONSTRUCTION JOINT.
13. CONCRETE BLOCK MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. ALL HEAD AND END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING SUCCESSIVE COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
14. VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL.
15. GROUT PLACEMENT SHALL CONFORM TO TMS 602 SECTION 3.5.
16. CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 5'-4" IN HEIGHT, IN ACCORDANCE WITH TMS 602 SECTION 3.2F. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS. THE CLEAN OUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. MECHANICALLY VIBRATE ALL GROUT POURS.
17. REINFORCEMENT IS TO BE SUPPORTED IN PLACE TO PREVENT DISPLACEMENTCAUSED BY PLACEMENT OF GROUT AND MORTAR OR BY CONSTRUCTION LOADS.
18. THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE GROUTING.
19. ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. ALL GROUTING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED INSPECTOR. REFER TO SPECIAL STRUCTURAL INSPECTION SECTION OF THESE NOTES FOR FREQUENCY OF GROUTING INSPECTION.
20. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS, OR KEYS, SHALL BE FORMED BY STOPPING THE POUR OF GROUT 1-1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
21. EVERY VERTICAL BAR IN WALLS SHALL BE LAPPED PER THE TABLE BELOW WITH A DOWEL OF THE SAME SIZE EXTENDING FROM THE FOUNDATION. CARRY EACH DOWEL TO WITHIN 3" OF THE BOTTOM OF THE FOUNDATION AND TERMINATE WITH 90 DEGREE HOOK. DOWELS SHALL BE STRAIGHT AND PLUMB.
22. ALL EMBEDDED ITEMS (BOLTS, STRAPS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. CUT A HOLE IN THE FACE SHELL TO ATTAIN A MINIMUM OF 1/2" GROUT ALL AROUND EMBEDDED ITEMS AT THE FACE SHELL. WITHIN THE CELL OF THE UNIT, PROVIDE A MINIMUM OF 8" OF GROUT AROUND EMBEDDED ITEMS. AT HORIZONTAL ANCHOR INSTALLATIONS, MAINTAIN A MINIMUM CLEAR DISTANCE OF 1/2" BETWEEN END OF ANCHOR AND FACE SHELL OF UNIT.
23. SINGLE CONDUITS (3/4" MAX) MAY BE PLACED IN VERTICAL CELLS NOT CONTAINING VERTICAL REBAR. NO HORIZONTAL CONDUITS ALLOWED IN WALL CONSTRUCTION.
24. ANCHOR BOLTS CAST IN MASONRY SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM F1554 GRADE 36, OR ASTM A307 GRADE A, UNO. BENT BAR ANCHOR BOLTS ARE NOT PERMITTED.
25. USE OPEN END BLOCK FOR ALL CONSTRUCTION NOT LAID IN RUNNING BOND.
26. ALL REBAR SHALL BE LAP SPLICED AND DEVELOPED AS FOLLOWS (UNO). WHERE EPOXY COATED REBAR IS USED, MULTIPLY LAP LENGTHS BY 1.5. BARS LARGER THAN #8 ARE TO BE LAPPED WITH MECHANICAL SPLICES THAT DEVELOP AT LEAST 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.

CMU SPLICE & DEVELOPMENT LENGTHS (f'm = 2000 PSI)										
BAR SIZE	fy (KSI)	γ	6" CMU		8" CMU		10" CMU		12" CMU	
			CENTER	EF	CENTER	EF	CENTER	EF	CENTER	EF
#3	60	1.0	12"	-	12"	14"	12"	13"	12"	12"
#4	60	1.0	18"	-	13"	24"	13"	22"	13"	21"
#5	60	1.0	28"	-	20"	37"	20"	35"	20"	33"
#6	60	1.3	53"	-	38"	-	38"	-	38"	-
#7	60	1.3	-	-	52"	-	52"	-	52"	-



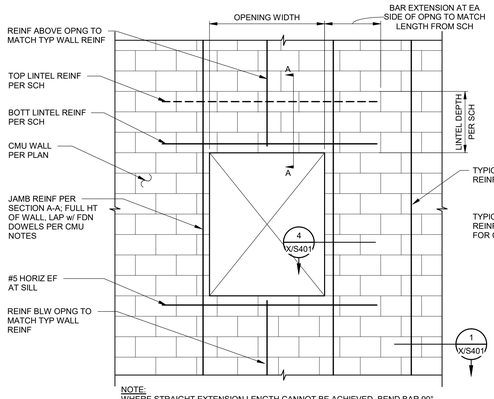
DETAIL 1 X/S401 NO SCALE
CANTILEVERED CMU SCREEN WALL



EACH FACE: TYPICAL CMU WALL REINFORCING

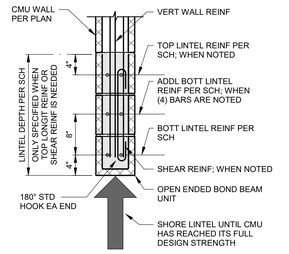
1. VERTICAL REINFORCING:
   A. DOWELS WITH STANDARD 90° HOOKS INTO THE FOUNDATION SHALL MATCH AND LAP VERTICAL REINFORCING.
   B. WHERE VERTICAL REINFORCING IS LOCATED AT EACH FACE, THE BARS DO NOT NEED TO BE PLACED IN THE SAME CELL, BUT THE SPACING NOTED NEEDS TO BE MAINTAINED FOR EACH SIDE OF THE WALL.
2. HORIZONTAL REINFORCING:
   A. INSTALL STD 180° HOOK AROUND VERTS AT WALL ENDS AND JOINTS IN ALL HORIZONTAL REINFORCING BARS.
   B. WHERE THE VERTICAL BARS ARE CENTERED IN THE WALL, HORIZONTAL REINFORCING BARS SHALL BE LOCATED ON ONE SIDE (OR BOTH SIDES) OF THE VERTICAL BARS, ALLOWING THE VERTICAL BARS TO BE CENTERED.
   C. WHERE THE VERTICAL BARS ARE AT EACH FACE IN THE WALL, HORIZONTAL REINFORCING BARS SHALL BE LOCATED TOWARD THE CENTER OF THE CELL, ALLOWING THE VERTICAL BARS TO BE LOCATED BETWEEN THE HORIZONTAL REINFORCING AND THE NEAREST FACE OF THE WALL.

DETAIL 2 X/S401 NO SCALE
CMU WALL REINFORCING



NOTE:
WHERE STRAIGHT EXTENSION LENGTH CANNOT BE ACHIEVED, BEND BAR 90° VERTICALLY. EXTENSION LENGTH SHALL BE MAINTAINED.

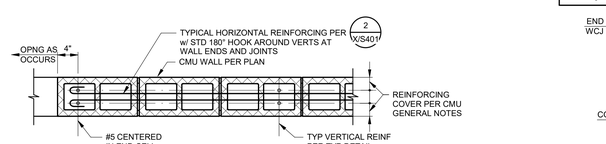
DETAIL 3 X/S401 NO SCALE
REINFORCING AT WALL OPENING



SECTION A-A

WALL OPENING SCHEDULE

WIDTH	MIN LINTEL DEPTH	LINTEL REINF		JAMB REINF	NOTES
		BOTT	TOP		
0" TO 3'-4"	16"	#5 EF	-	#5 EF	-
3'-5" TO 6'-8"	24"	#5 EF	-	#5 EF	-

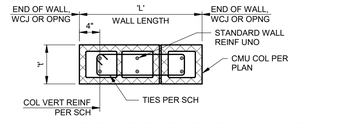


MJ1EF: ONE VERTICAL BAR AT EACH FACE

DETAIL 4 X/S401 NO SCALE
CMU JAMB REINFORCING

ALLOWABLE WALL LENGTHS
SCHEDULE APPLIES TO THIS DETAIL

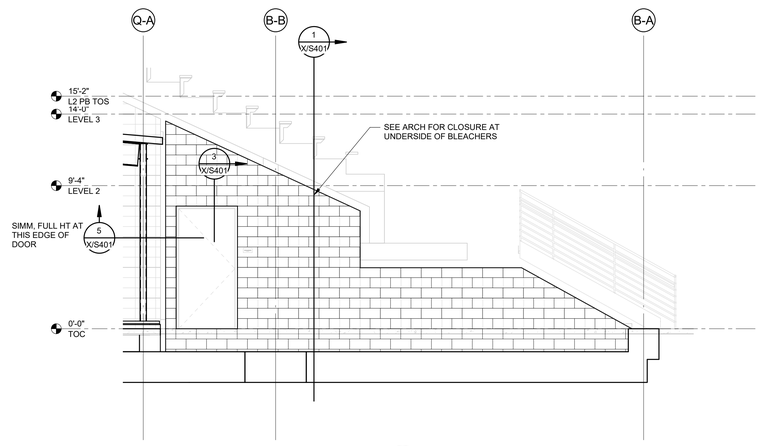
THICKNESS 'T'	LMAX	VERT REINF	HORIZ REINF
6"	36"	#5 CNTRD @ 8"CC	#3 TIES @ 4"CC SINGLE LEG
8"	48"	#5 CNTRD @ 16"CC	#3 TIES @ 4"CC DOUBLE LEG



DOUBLE LEG HORIZONTAL REINFORCING CONDITION

NOTES:
1. PROVIDE TIES FOR FULL HEIGHT OF COLUMNS BETWEEN POINTS OF LATERAL SUPPORT. TOP (3) AND BOTTOM (3) TIES SHALL BE PLACED @ 1/2 TYPICAL SPACING.
2. WALL SECTIONS LESS THAN (3) TIMES NOMINAL THICKNESS (L < 3T) SHALL BE REINFORCED AS COLUMNS. REFER TO SCH ABOVE FOR WALL LENGTHS WHERE THIS DETAIL IS TO BE APPLIED.

DETAIL 5 X/S401 NO SCALE
CMU COLUMN REINFORCING



ELEVATION 6 X/S401 1/4" = 1'-0"

DSA File No.:
20-H3

DSA Application No.:
02-118707 INC-1

Agency Approval

BUEHLER
600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916 443 0303

Consultant

Matilda Torres High School, Toros Stadium
Madera United School District
Madera, CA

Project

CMU DETAILS

Drawing

darden architects
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PLANNING
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LICENSED ARCHITECT ANTONIO J. ALVAREZ No. C26235 Exp. 10-31-21 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date
5	ADDENDUM 5	05/27/2022

Revision

	Designed Designer	Copyright 2020 Darden Architects
Scale: As indicated	Drawn By: Author	X/S401
Project Number: 0622.4	Checked fChecker	
Date: 08/09/2021	Reviewed Approver	Sheet: of:

5

5/25/2022 12:57:36 PM
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AD5-SX04

REQUEST FOR INFORMATION

DORFMEIER MASONRY INC.

4685 E. Hedges Ave.
Fresno, Ca. 93703

Phone: (559) 255-9760 Fax: (559) 252-5508

PROJECT:	Matilda Torres HS Stadium	RFI #:	1
TO:	Darden Architects, Inc.	DATE:	5/17/2022
	6790 N West Ave	REPLY BY:	
	Fresno, CA 93711	SPECS:	
FAX #:	559-446-1765	PLANS:	
DMI JOB #	18016	TIME IMPACT	
SUBJECT:	Masonry	COST IMPACT	

REQUEST:

Reference detail A10 on drawing page X/A503 which shows mechanically anchored 1-5/8" thick CMU veneer with a 7/8" air gap behind it. It is probable the thinness of the CMU veneer unit will not allow for proper installation and the final product will not be acceptable.

A couple possible solutions are to install all the CMU veneer per details E14 and J14 on drawing page X/A504, or change the CMU veneer installed per detail A10 on sheet X/A503 to 2-5/8" thick (3x8x16) CMU veneer.

PREPARED BY:	Wendi Jensen	DATE:	5/17/2022

RESPONSE:

RESPONSE PREPARED BY:		DATE:	

See Addenda 5 for clarification

cc: Office File
Field File

BMY CONSTRUCTION GROUP INCORPORATED

BID RFI NO. 1

To:	**Matt Heiss**	***From:***	**Gurdeep Jhutti**
Company:	Darden Architects	*Company:*	**BMY Construction Group, Inc.**
Email:	matth@dardenarchitects.com	*Page(s):*	(1) Including Cover Page
		Date:	**May 17, 2022**
Reference: Matilda Torres High School Stadium Project			

BMY Construction Group, Inc. is requesting the following clarifications, specifications and/or request for information:

1. On Sheet SD/A206 - Can you provide concrete slab thickness at the Wash down/Maintenance Area?
2. On Sheet SD/A206 – It mentions Parking Area Seal, can you provide limits of this?
3. On Sheet Q/A102 – It shows increment 2 – metal framing bleachers end walls. Can you provide a detail for this? Including footings?
4. On Sheet SD/A209 - Steel Post Fence and Gates (Stadium South)- Its pointing towards SGT10 and additional two locations. Are there two additional Steel gates? Please confirm, there's only 10EA Steel Gates.
5. Is spec section 086301 Translucent Panels applicable to this project?
6. On Sheet SD/C303 – it makes reference to detail L/SD/X103 – This details states, "Surfacing by others." This appears to be only applicable at the Pole Vault area. Please confirm the surfacing is by owner?
7. On Sheet SD/X107 Dugout slab is shown as 1'-6" on detail 15. Details on sheet SD/X102 show 1' and note 2 states 6". Can you specify the dugout slab thickness?
8. On sheet SD/A404 – Sloped walk ramp details shows 5" concrete over 3" base. In addition to the ramps, it appears to be calling out the flatwork as 5" over 3" as well. Can you please confirm the flatwork is 4" concrete over native and the ramps are 5" concrete over 3" base?

Thank you,
BMY Construction Group, Inc.

Jim Holman
Chief Estimator

1. Concrete slab in maintenance area to be 4" as indicated in the sheet legend.
2. See addenda 5 for clarification. Note removed from plan
3. See addenda 5 for clarification of bleacher end walls and footing requirements
4. See E8- SD/A501 for quantity of steel post gates at stadium track fencing.
5. See addenda 5. Translucent panels are not applicable to project
6. See addenda 5 for clarification. Track surfacing to be furnished by contractor.
7. See addenda 5 for clarification. 18" concrete slab at dugouts correct. Furnish as indicated in details 15, 12 SD/X107.
8. See addenda 5 for clarification. Rock base not required under sloped walks or flat work unless specifically indicated by civil engineer.

5485 E. Olive Ave. ▪ Fresno, CA 93727 ▪ Phone (559) 243-4200 ▪ Fax (559) 222-2380

Harris RFIs as of 5/25/22

1. Please confirm that there will be no air gap at veneer block per detail A10/X/A503. Please confirm the intent of construction for veneer that has no crosshatch. I think the intent is for it to have a plaster setting bed with no masonry anchors. The area that is cross hatch is to have masonry anchors in addition to the setting bed.

   See addenda 5 for clarification of block veneer details

2. We were under the impression that the building T was lowered in the redesign to eliminate the requirement of an elevator for hoisting workers. Section A10/Q/A502 and other details looks to dimension a little over 60'. Can you please confirm that the overall height at building T is over 60' which will require an elevator for hoisting workers per California Code of Regulations, Title 8, Section 1630, Elevators for Hoisting Workers

   See elevation A1 – Q/A501. Max height of tower does not exceed 60' – 0"

3. Is the pole vault part of this project? Detail L/SD/X103 states "Surfacing By Others"

   See addenda 5 for clarification. Pole vault and surfacing in project and should be included in base bid amount

4. Please confirm that the bleacher concrete footings and any required columns that are not shown at the Q1/Q2 buildings are to be NIC and handled via change order at a later date.

   See addenda 5 for clarification. 12 ramp footings indicated on Ba/101 home side bleacher plan that are **not** shown on structural plans **are to be furnished by contractor**. Coordinate with GC selected bleacher manufacturer for required size and extents.

5. Spec states to hold bid for 60 Calendar Days. Due to the volatility of the market and fluctuation of material prices certain trades and suppliers will not hold pricing for this period (i.e Steel, Metal Deck, Hollow Metal, Storefronts etc) Can the district commit to issuing a letter of intent to award within 30 days after bid? This will allow the low bid GC to begin contracts and procurement process that will allow pricing to be locked in.

   See addenda 5 for clarification. District has agreed to commit to a letter of intent to award to lowest responsive bidder within 30 days.

6. Are there any other allowances required other than what is called out in section 012113?

   Yes. See front end documents for required owners allowance requirements.

7. Where are the custom graphics located per section 100500?

   See addenda 5 for clarification. No custom vinyl graphics in project.

8. Who is responsible to furnish and install the slabs under the bleachers that has not been designed yet?

   General contractor is responsible for all scope in project not indicated NIC. Slab dimensions, thickness and technical requirements are fully provided in bid set and specifications.