



City of Ontario

ADDENDUM NO. 8 Bid Invitation # 1900

TODAY'S DATE:	Monday, April 14, 2025
PROJECT TITLE:	D&C23-022 Ontario Sports Empire
BID PACKAGE:	D&C23-022 Ontario Sports Empire (BC03 & BC18)
BID CLOSING DATE:	April 17, 2025 at 2 p.m. No Change
CITY RESPONSE:	April 10, 2025 No Change
Q & A DEADLINE:	March 27, 2025 at 5 p.m. No Change
PRE-BID WALK:	March 12, 2025 at 8 a.m.

The following changes, omissions, and/or additions to the specifications and/or drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum and that all trades affected shall be fully advised in the performance of the work which will be required of them.

In case of conflict between drawings, specifications, and the addendum, this Addendum shall govern. This Addendum shall be incorporated into the final Contract.

Clarification:

The following clarification is hereby made to the solicitation for the above project:

General:

1. Payment for Stored Materials:

- a. Notwithstanding anything in the Contract Documents to the contrary, City shall pay Contractor for equipment, raw materials, materials in fabrication, or other materials necessary to perform the scope of work and stored off site at a location suitable to store and protect such materials and equipment. Payment for materials and equipment stored off site shall be conditioned by the following:
 - i. Adequate arrangements, reasonably satisfactory to the City, are made by the Contractor to store and protect such materials or equipment. These arrangements must include, without limitation, insurance satisfactory to the City, covering and protecting the material and equipment against the risk of loss, destruction, theft, or other damage while in storage.
 - ii. Procedures, reasonably satisfactory to the City, have been established by which title to the materials or equipment will be vested in the Owner upon payment by the City.
 - iii. Contractor to provide proof of materials, such as photographs, and invoices.
 - iv. Contractor will accommodate site visits from the Construction Manager, Architect, or City. The cost of travel is not the responsibility of the Contractor.
 - v. Retention would be held for the value of the materials.

RFI Responses:

2. The following Pre-Bid RFI responses are hereby issued:

402	405	457	488	499	507	545	553
556	611	676	692	693	695	696	699
700	711	719	720	721	724	725	726
730	733	734	735	740	741	742	744 – 749
751 – 753	755 – 759	761	763 – 766	768 – 772	776	778	779
781	782	784 – 791	795 – 797				

Scope of Work:

3. The following revised Scope of Work are hereby issued:

- BC06 Masonry
- BC11 Doors, Frames, & Hardware
- BC15 Signage

Architectural/Design:

- 4. RJM Design Group Addendum 3R1
 - Volume 1 Drawings, pages W-12, W-13, W-14, dated 4/9/25
 - Volume 2 Technical Specifications section 10 14 00 - Signage dated 4/9/25

This Addendum must be acknowledged electronically, the bid management system will not perform submission of a bid until all addenda are acknowledged.

Thank You



Subject: 3/4in CW Up Routing Confirmation

Date: Mar 08, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 14, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Josiah Salgado
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

RFI As-built Date
BIM Related RFI

RFI As-built
BIM Model

Request:

Reference: P401

Please confirm that the 3/4 CW up is to be in the furred wall not in the CMU wall.

Suggestion:

Answer: **Accept Suggestion**

The '3/4" CW UP' IS supposed to be in the furred wall, not the CMU wall.

Answered By: RJM Design Group

Signed: _____

Tamara McClory

Date: Apr 10, 2025

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-405

Printed On: Apr 14, 2025
Page: 2 of 57

Subject: Ontario City Standard Details for Storm Drain & Catch Basin

Date: Mar 10, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 17, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Sebastian Enriquez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference sheet C-1.10 (g404)

Please provide cut sheet details for the Ontario City standards called out for GCN (7) & SDCN (35).

Suggestion:

Answer: **Accept Suggestion**

standard details are shown on C-6.01 and C-6.02 of the addendum 3 set

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-457

Printed On: Apr 14, 2025
 Page: 3 of 57

Subject: Camera on CMU - Top of Button Clarification

Date: Mar 11, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 18, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Josiah Salgado
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference: T-8.2

1/T-8.2 shows a camera on CMU wall with a dimension showing from finish grade to top of button. What does the top of button refer to?

Suggestion:

Answer: **Accept Suggestion**

Revise to ""LENS HEIGHT. REFER TO ROUGH-IN SCHEDULE."" Rough-in schedule will be revised to show exterior cameras at 12'-15' AFF.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-488

Printed On: Apr 14, 2025
Page: 4 of 57

Subject: Finish Above Ped Light Pole Base Plates

Date: Mar 13, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 20, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Ian Gust

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference details 2 and 3 on sheet E-0.06.

On the details referenced above, please confirm the unlabeled rectangular section above the light pole base plates. Is it concrete / a
mow curb?

Suggestion:

Answer: **Accept Suggestion**

The rectangular section is concrete.

Landscape architect comment:

See construction details for adjacent surface.

Answered By:

Signed: _____

Erik Curran

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Sebastian Enriquez

Tilden-Coil Constructors



Subject: Maintenance Yard Compactor Elevations Clarification

Date: Mar 15, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Sebastian Enriquez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference L-2.31 (g541)

The elevations A & B seem to be reversed. Please review and confirm.

Suggestion:

Answer: **Accept Suggestion**

This has been fixed on the Bid Set.

Answered By:

Signed: _____

Tamara McClory

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Section View A on L-2.07 Clarifications

Date: Mar 17, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 24, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Sebastian Enriquez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference sheet L-2.07 (g295)

- a) Please provide a plan view detail where the omega fence post penetrates the precast Cap.
- b) Please provide the width of the 4" thick precast cap.
- c) Please provide the length of the post within the CMU wall (20"?)

Suggestion:

Answer: **Accept Suggestion**

a) We are working on this detail and it has been provided on sheet L207 in the Addendum set. b) have been provided on addendum set. C) retaining wall height varies- see structural for length of post in CMU wall.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-545

Printed On: Apr 14, 2025

Page: 7 of 57

Subject: Mechanical Well Parapet Detail

Date: Mar 20, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 27, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Huy-Troy Nguyen

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Refer to: 2/S8.1

g247, Green Room/IT Building Mechanical Well Parapet, Details 1 & 2/S8.1 do not match the design shown on sections 1 & 2/A-8.4 & 13/A-9.7. The vertical 2x6 wall extends 2'-0" + above the sloping roof with plywood on both sides & a 3 or 4x nailer on top. Assuming that arch'l is correct please revise the details.

Suggestion:

Answer: **Accept Suggestion**

PLEASE SEE ATTACHED 1 & 2/S8.1.

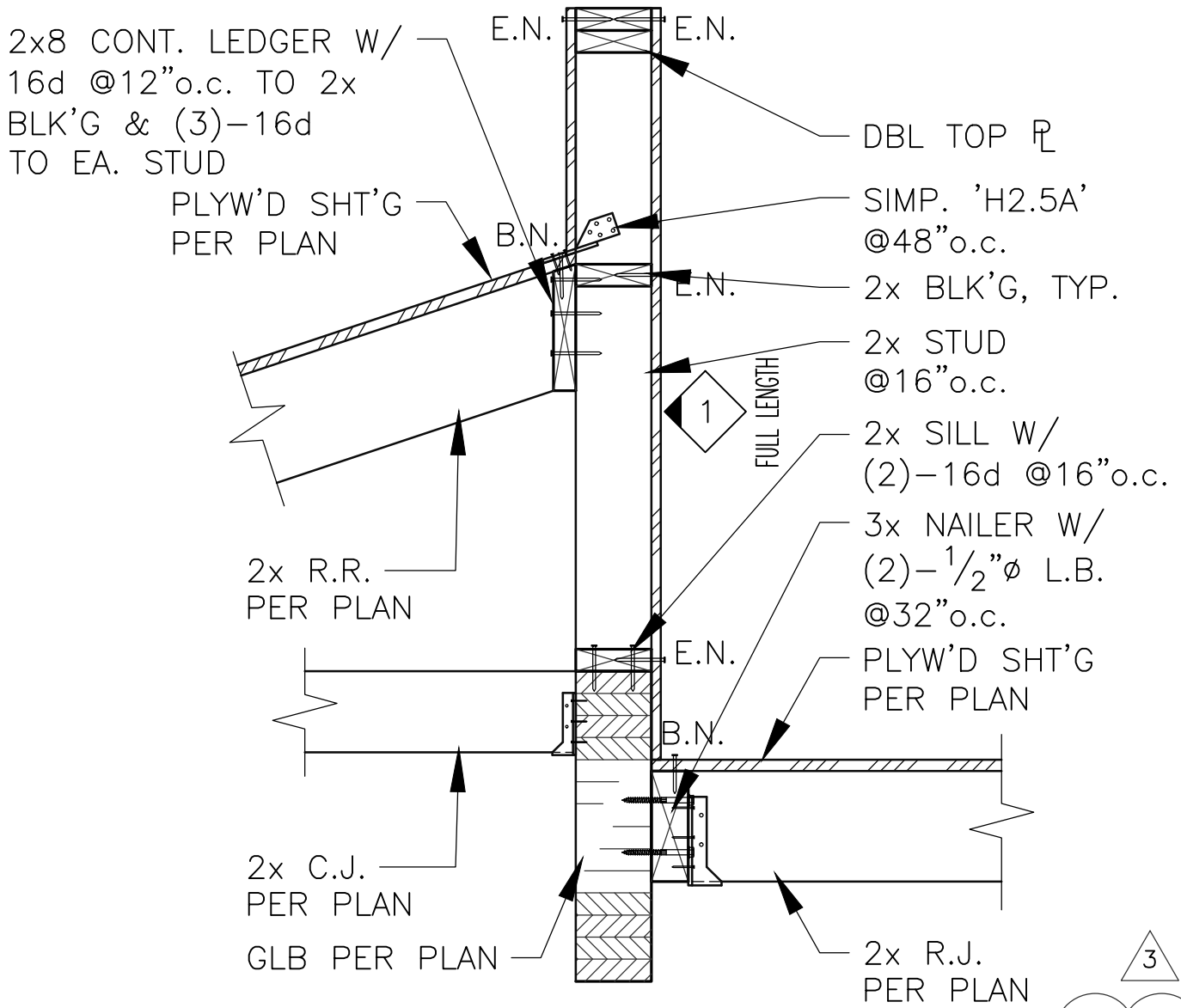
Answered By:

Signed: _____

Date:

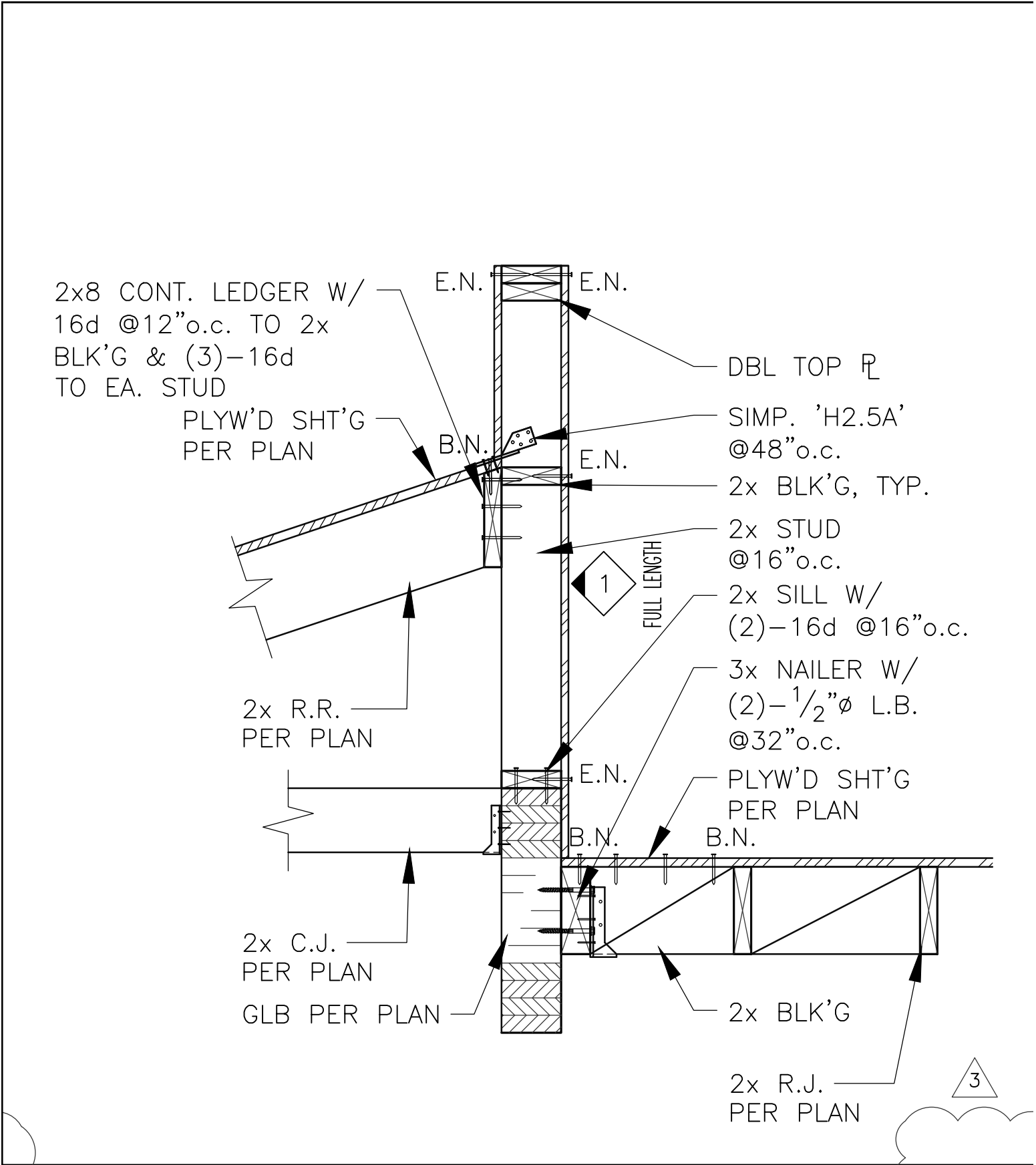
Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueiting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



SECTION

SCALE	1
1"=1'-0"	



2x8 CONT. LEDGER W/
16d @12"o.c. TO 2x
BLK'G & (3)-16d
TO EA. STUD

PLYW'D SHT'G
PER PLAN

2x R.R.
PER PLAN

2x C.J.
PER PLAN

GLB PER PLAN

E.N.

B.N.

E.N.

E.N.

B.N.

DBL TOP P

SIMP. 'H2.5A'
@48"o.c.

2x BLK'G, TYP.

2x STUD
@16"o.c.

2x SILL W/
(2)-16d @16"o.c.

3x NAILER W/
(2)-1/2"Ø L.B.
@32"o.c.

PLYW'D SHT'G
PER PLAN

B.N.

2x BLK'G

2x R.J.
PER PLAN

FULL LENGTH

1

3

SECTION

SCALE
1"=1'-0"



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-553

Printed On: Apr 14, 2025
Page: 8 of 57

Subject: Lophostemon Confertus Trees Galv. Poles Size

Date: Mar 21, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 28, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Sebastian Enriquez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference detail 1/L-6.02 and spec section 32 94 00

Specification 32 94 00-4 note H. calls for 2"x 12' galvanized steel poles for Lophostemon confertus trees. Detail 1 on L-6.02 indicates that poles should be 1-1/2"x21' galvanized steel pole.

Please confirm the correct sizing and diameter for galvanized poles to be used for Lophostemon confertus trees?

Suggestion:

Answer: **Accept Suggestion**

Detail 1 on L-6.02 will be updated to match the specs - 2" x 12' galvanized steel poles

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Trash Receptacles Confirmation

Date: Mar 21, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Mar 28, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Sebastian Enriquez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference detail 1/L-2.12

Detail 1/L-2.12 keynote 15 lists to furnish and install trash receptacles.

Please confirm if these are the same OFCI trash cans item #5 listed on site furnishing schedule on sheet L-1.00.

Suggestion:

Answer: **Accept Suggestion**

site furnishing callouts have been updated. Please see Addendum 3 set.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueiting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: Sign ID Sheet Numbers

Date: Mar 27, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 03, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Huy-Troy Nguyen

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Ref: W-23

g273, Sign Identification, Provide the sheet numbers for the referenced sign identities such as A11 on sheet W-04.

Suggestion:

Answer:

Accept Suggestion

- A11 sign locations can be found on sheets W-24 thru W-46 in the new Addendum 3 set.
- Specific artwork and copy layouts for A11 can be found on sheet W-18 of the new Addendum 3 set.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-676

Printed On: Apr 14, 2025
Page: 10 of 57

Subject: Sloped HSS Roof Framing Detail

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Jack Wilson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI 1/S1.5, g69

Reference:

Request:

Detail 1 of S1.5 Steel Truss Elevation shows studs on sloped HSS.
Please provide a detail for the studs shown on the sloped HSS6x6 Hi beams for the 3x nailer.
Please provide a plan view of the 2x decking framing layout. (2x?)

Suggestion:

Answer: **Accept Suggestion**

WELDED STUDS AT @ 24"o.c. COUNTERSUNK. REFER TO 1/S1.5 AND 2/S1.5.
2x DECKING IS PERPENDICULAR TO SUPPORTING ROOF JOIST FRAMING.

Answered By:

Signed: _____

Erik Curran

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-693

Printed On: Apr 14, 2025
Page: 11 of 57

Subject: Kitchen Hood All Threads Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
RJM Design Group

From: Jack Wilson
Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

See section @ Hood Detail of S1.5.

Please provide a plan view of the blocking layout for the hood.
Detail 16/S1.5 calls out 6 locations. Sheet S1.2 appears to show 8 locations.
Please note the 2x8 ceiling joist framing elevation in relation to the hood.
Please verify.

Suggestion:

Answer: **Accept Suggestion**

REVISED DET. 16/S1.5 TO INDICATE 8 HGR LOCATIONS.
FOR CEILING FRAMING AT HOOD OPENING, REFER TO DET. 17/SD4.
NOTE THAT ALL HOOD HGRS ARE ATTACHED TO ROOF/FLOOR JOISTS (DEPENDING ON HOOD LOCATION).
FOR CEILING FRAMING ELEVATION, SEE ARCHITECTURAL.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: CL 68 Family Activity Turf Area Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g575, Family Activity Turf Area, Detail 1C/CFD-1.01 is referenced on sheet CF-2.18 for the owner furnished & installed turf. Should this be noted?

Suggestion:

Answer: **Accept Suggestion**

unclear what the question is - but yes, family activity area turf will be owner furnished and installed through direct contract

Answered By:

Signed: _____

Tamara McClory

Date:

Distribution:



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-695

Printed On: Apr 14, 2025

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Subject: Family Activity Floor Plan

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g423, Family Activity Floor Plan, Provide a floor plan for the family activity area showing the layout where sheet W-32 shows 2 types of video display walls & graphic wall dividers with footings. Provide an interior elevation as with the DD drawings on sheet L-2.39.

Suggestion:

Answer: **Accept Suggestion**

floor plan enlargement has been added as part of addendum 3 package with callouts of walls

Answered By:

Signed: _____

Date:

Distribution:



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-696

Printed On: Apr 14, 2025
 Page: 12 of 57

Subject: Kitchen Hood Weight Max Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Jack Wilson
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g82, Kitchen Hood FS Equipment Item 37, Sheet K-1.5 notes the exhaust hood weight as 1519 lbs where detail 16/S1.5 shows 1,100 lbs.

Please confirm the detail is adequate with 400 lbs added.

Suggestion:

Answer: **Accept Suggestion**

HOOD LOAD HAS BEEN ACCOUNTED FOR IN JOIST DESIGN.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-699

Printed On: Apr 14, 2025

Page: 28 of 61

Subject: Concrete Banding Detail

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Please provide detail for the concrete banding that also acts as a foundation for the Large and Small Video Screen Walls Typical.

Suggestion:

Answer: **Accept Suggestion**

detail to be provided for adjacent concrete banding / maintenance access walk. footings for monuments are set below FG for adjacent paving to be poured above.

Answered By:

Signed: _____

Tamara McClory

Date:

Distribution:



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-700

Printed On: Apr 14, 2025
Page: 13 of 57

Subject: CMU Control Joint Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Jack Wilson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

REF: S2.1

Please provide a symbol for a CMU control joint with a reference to detail 10/SD1 where & if it applies.

Suggestion:

Answer: **Accept Suggestion**

REFER TO DRAWINGS WITH ADDENDUM 3 REVISIONS DATED 4/02.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Subject: CL Note for Trench Drain Request

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g512, Batting Cage Entries, Provide a CL for the trench drain at the north side of the PA areas.

Suggestion:

Answer: **Accept Suggestion**

see civil plans for trench drain locations

Answered By:

Signed: _____

Date:

Distribution:



Subject: Walk-In Freezer Ceiling Beam Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
RJM Design Group

From: Matthew Shieh
Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference g222, g221, sheet A-7.4, K-4.6, & S7.1

Walk-In Freezer Roof, Sheet S7.1 shows a w12x26 beam centered above the freezer noted as "freezer ceiling beam". Is the freezer ceiling supported off of the beam?
Please note the beam location & purpose.

Sheet K-4.6 shows the top of the freezer at 8'-0". Section 2/A-7.4 shows a 9'-4" dimension flush with the freezer top. Please review.

Suggestion:

Answer: **Accept Suggestion**

THE STEEL BEAM IS INTENDED TO SUPPORT FREEZER CEILING. PLEASE REFER TO FREEZER DRAWINGS FOR BEAM LOCATION AND CEILING ATTACHMENT.
FOR FREEZER CEILING ELEVATION, ARCHITECT TO REVIEW.

Architect response:

Architectural drawings, including Section 2/A-7.4 have been revised to reflect the 8'-0" ceiling shown on the freezer drawings on sheet K-4.6.

Answered By:

Signed: _____

Date:

Distribution:



Subject: Depth and Thickness of Toe of Stairs

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Erik Ramirez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Please provide dimensions for depth and width of thickened toe of stairs per Sheet L-2.03.

Suggestion:

Answer: **Accept Suggestion**

dimensions shall be provided in bulletin 1 - 21" minimum below aco drain bottom toe location of stairs

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-721

Printed On: Apr 14, 2025

Page: 15 of 57

Subject: Exhaust Hood (37) Support Detail Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g83, Exhaust Hood (37) Support, please review detail 16/S1.5 for the exhaust hood support from the 2nd floor structure.

Suggestion:

Answer: **Accept Suggestion**

REFER TO RFI 693.

Answered By:

Signed: _____

Date:

Distribution:



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-724

Printed On: Apr 14, 2025

Page: 16 of 57

Subject: Nyoplast Basin Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g307, Nyoplast Basin Field 5, Is SD POC 152 (by others) intended to be the 12" SD field POC shown on sheet C-1.05? Should the POC be closer to the nyoplast basin as sheet C-1.05 appears to show?

Suggestion:

Answer: **Accept Suggestion**

Yes, the POC should be closer to the nyoplast basin as shown on the artificial turf plans. Civil plans to be updated.

Answered By:

Signed: _____

Date: Apr 08, 2025

Distribution:



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-725

Printed On: Apr 14, 2025

Page: 17 of 57

Subject: Field 12 North SD P0C 6" Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g290, Field 12 North SD P0C 6", Sheet C-1.03 does not show the 6" P0C. Is the intent for the 8" perf drain to replace the 6" SD line shown on sheet C-1.03?

Suggestion:

Answer: **Accept Suggestion**

The 8-inch line on CF-1.03 will be revised to 6-inch and a note will be added to C-1.03 to connect. The revised 6-inch line on CF-1.03 replaces the 6-inch line on C-1.03 and will be shown on the next plan update.

Answered By:

Signed: _____

Date:

Distribution:



Subject: CMU Pilaster Footing Size

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Jack Wilson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Please confirm if CMU pilaster pad footings be noted as 40"x40" per 18/SD1 or 4'-0" x 4'-0" as at building A?

Suggestion:

Answer: **Accept Suggestion**

REFER TO DRAWINGS WITH ADDENDUM 3 REVISIONS DATED 4/02. USE 4'-0" SQ. FTG PER PLAN.

Answered By:

Signed: _____

Date: Apr 10, 2025

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Decorative Signage on Scoreboards

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Erik Ramirez

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Please provide a detail of what the decorative signage panel is made of and how it attached to the remainder of the scoreboard and post structure, If it is still part of the project.

Suggestion:

Answer: **Accept Suggestion**

City / operator to determine graphics. City to confirm is decorative signage panel is indeed part of scope / wanted on scoreboards. Mounting per manufacturer specs.

Answered By:

Signed: _____

Tamara McClory

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: HVAC Split System Concrete Pad Trade Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g184

Sheet A-3.1 keynote 15 states for HVAC split system condenser to be set on a minimum 4'x4'x6" thick concrete pad. Detail 12/M-10.1 shows the unit pad but does not provide any detail for the concrete. Please advise if the concrete pad is by mechanical, structural, or site.

Suggestion:

Answer: **Accept Suggestion**

This is a "means and methods" issue that needs to be coordinated by the general contractor. The architect/mechanical engineer has no preference as to who provides it, as long as it is provided per the notes/details on the plans.

TCC Response: Refer to scope of work summaries to determine assignment of this scope.

Answered By:

Signed: _____

Erik Curran

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Subject: Water Metering Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Ian Gust

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Section 01 50 00 states the BC#23 is responsible for providing construction water at the closest existing fire hydrant. There's no way for BC#23 to estimate the total water & meter cost for all contractors on the project. Please confirm that BC#23 is only responsible for the installation of the hydrant meter & backflow preventer and is not responsible for paying for the construction water from other bid categories. Please clarify this with the owner.

Suggestion:

Answer: **Accept Suggestion**

Per owner

Answered By:

Signed: _____

Tamara McClory

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Delete CJ note sheet A2.2

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Plumbing Chase CJ, Sheet A-2.2 revised the plumbing chase from a gyp board ceiling to an open structure. should the CJ references be removed? - Reference S2.2.

Suggestion:

Answer: **Accept Suggestion**

IF ARCHITECT DOES NOT SHOW CEILING JOIST IN PLUMBING CHASE, PLEASE REMOVE ACCORDINGLY.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-740

Printed On: Apr 14, 2025
 Page: 20 of 57

Subject: Rack Elevation Details

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Erik Ramirez
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI T-3.6, g240

Reference:

Request:

Rack Elevation, Please note the elevation to the top of the racks in relation to the 14'-0" gyp board ceiling. Provide mounting details at the base.

Suggestion:

Answer: **Accept Suggestion**

DWE:Please clarify request and where to update informations in drawing set.- 2025-04-14 Jarrett Mui

Answered By:

Signed: _____

Jeannette Pulnik

Date: Apr 14, 2025

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-741

Printed On: Apr 14, 2025
Page: 46 of 61

Subject: Metal Awning Profiles

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Metal Awnings, Define the profiles off of GL/A & E as metal awnings per detail 7/A-9.4. Reference S2.2.

Suggestion:

Answer: **Accept Suggestion**

Metal awning references shown on the architectural drawings (A-2.1 through A-2.5) and are not required on the S2.2 sheet.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: Ticket Booth Interior Panel Location

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Thomas Albertazzie

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g213, Per sheet A-6.1 at the ticket booth interior keynote 7 shows the electrical box is shown in a different location than it is shown on sheet E-6.1. Please advise.

Suggestion:

Answer: **Accept Suggestion**

See sheet A-6.1 in the Addendum #3 drawing set. The architectural and electrical plans show the electrical panel in the same location.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-744

Printed On: Apr 14, 2025
Page: 21 of 57

Subject: Framing at the KSF & KEF units

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
RJM Design Group

From: George Carlson
Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

KSF & KEF Units, Provide details for the framing at the KSF & KEF units shown on sheet M-2.2 as with building A. Reference S2.2.

Suggestion:

Answer: **Accept Suggestion**

FOR MECHANICAL UNITS LESS THAN 300 LBS, REFER TO MECHANICAL DRAWINGS OR STANDARD MANUFACTURER DETAILS.

Answered By:

Signed: _____

Erik Curran

Date: Apr 10, 2025

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-745

Printed On: Apr 14, 2025

Page: 48 of 61

Subject: RR 105 Ceiling Transition Detail

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Matthew Shieh

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Sheet A-3.2 shows a ceiling transition in Restroom 105 from 10'-0" height to 8'-0" height. Please provide a transition detail for this condition.

Suggestion:

Answer: **Accept Suggestion**

Section #2/A-3.5 shows walls at the shower to be full height to underside of the of the ceiling joist at the 10'-0" ceiling, with the ceiling joists for the 8'-0" ceiling at the shower infilled in between. Walls & ceiling joist should be constructed per detail 10/SD4. A 4x8 header will be needed at the opening to the shower.

Answered By:

Signed: _____

Date:

Distribution:



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-746

Printed On: Apr 14, 2025

Page: 22 of 57

Subject: Roof Hatch Framing

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Roof Hatch Framing, a) Provide a reference to detail 17/SD4 for the roof hatch framing. b) Provide a detail where the DBL joist meet the CMU walls. c) Define the sizing of the dbl joist. Reference S2.2.

Suggestion:

Answer: **Accept Suggestion**

A. REFER TO LEGEND ON S2.2 FOR DETAIL REFERENCE.

B. FOR JOIST TO WALL CONNECTION, REFER TO DETAIL 12/S2.3 SIMILAR. USE HGR TO ACCOMODATE DBL JOIST.

C. TYP. JOIST IS 2x12 FOR THIS BUILDING. DBL JOIST MEANS (2)-2x12.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Roll Up Counter Shutter Head Detail

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Jack Wilson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Please confirm how the shutter head is anchored at the head & sill.

Suggestion:

Answer: **Accept Suggestion**

The roll-up counter shutter is typically anchored to, and supported by, the jambs. There is no anchorage to the sill. Any anchorage at the head, if required, should be per the manufacturers specifications.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-748

Printed On: Apr 14, 2025

Page: 23 of 57

Subject: Parapet bracing details

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Parapet Bracing GL/A & E, a) Provide a detail at the upper transition from 6" CMU to 8" showing the joint. b) Provide the spacing 0.c. for the bracing. Reference S2.3.

Suggestion:

Answer: **Accept Suggestion**

a) REFER TO 13/S2.3.

b) DIAGONAL BRACING SPACING AT 4'-0" o.c. MAX. NOTED PER SHEET S2.2.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-749

Printed On: Apr 14, 2025
 Page: 24 of 57

Subject: Video Wall Display Details

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Erik Ramirez
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

CN (20) Video Wall, Detail G/A-8.4 shows the video wall as 4x4 vs 2x2 noted with a 55" news feed display. Does the detail reflect the IT intent? Please review and advise.

Suggestion:

Answer: **Accept Suggestion**

Interior Elevation G/A-8.4, showing four video wall screens and one news feed display, is correct and matches the intent of the I.T. plan. Keynote #22 on A-8.4 revised to clarify there are four video wall screens.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Top of Roof Elevation

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
RJM Design Group

From: Matthew Shieh
Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g171
Please note the elevation to the top of the upper roof for the large maintenance building shown on A-3.4

Suggestion:

Answer: **Accept Suggestion**

The elevations & sections indicate the top of CMU wall and the 4:12 roof slope, which, along with top plate & roof joist sizes called out on the structural plans, is all the information the contractor requires to construct this roof. Elevation notations to the ridge are not typically given and are not required for this type of sloped roof.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Detail for Notched CMU Window Sill - 13/S2.3

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Notched CMU Window Sill, Provide a detail for the notched CMU at the window sill on detail 13/S2.3 noting the max allowable depth.

Suggestion:

Answer: **Accept Suggestion**

PREVIOUSLY ANSWERED IN RFI 191. THERE IS NO NOTCHED CMU.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-753

Printed On: Apr 14, 2025
 Page: 27 of 57

Subject: Mansard framing - shear wall?

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: George Carlson
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Mansard Framing, Does the full length <1> symbol indicate a shear wall per detail 4/SD4? Please note. Reference S2.3.

Suggestion:

Answer: **Accept Suggestion**

REFER TO SHEAR WALL SYMBOL ON LEGEND OF SHEET S2.2.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: CMU Height Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Thomas Albertazzie

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g214, Wall Legend, Where precision CMU above to 12'-0" is noted should it show 10'-0" at the ticket booth?

Suggestion:

Answer: **Accept Suggestion**

The CMU wall height has been revised in the wall legend on sheet A-6.1.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-756

Printed On: Apr 14, 2025

Page: 29 of 57

Subject: 48x48 Fan Coil Equipment Hatch Detail in Security Office 101

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Aaron Wong

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference g244, sheet A-8.2.

In security office 101, note 10 calls for a 48"x48" fan coil equipment hatch.

Please provide a detail for the access hatch including the framing at the perimeter.

Suggestion:

Answer: **Accept Suggestion**

See detail 15/A-9.7 of the Addendum #3 drawing set as well as information on the roof framing plan on sheet S8.1.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-757

Printed On: Apr 14, 2025
Page: 30 of 57

Subject: Countertop Brace Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Thomas Albertazzie

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g215, Interior Elevation Keynote <12>, Detail 8/A-9.3 referenced at the counter does not show the 2" square TS brace. Please provide a detail.

Suggestion:

Answer: **Accept Suggestion**

Refer to revised detail 8/A-9.3 included in the Addendum #3 drawings.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: DG Stabilization at Trees

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Ian Gust

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

1. Please confirm that the decomposed granite at tree per detail 5 on sheet L-6.02 is non-stabilized.
2. Also please help us confirm that trees planted in decomposed granite tree wells shall be backfill with native onsite soil as shown on detail 5 of sheet L-6.02.

Suggestion:

Answer: **Accept Suggestion**

PB-758 Tamara McClory RJM Design Group DG Stabilization at Trees

"1. Please confirm that the decomposed granite at tree per detail 5 on sheet L-6.02 is non-stabilized.

2. Also please help us confirm that trees planted in decomposed granite tree wells shall be backfill with native onsite soil as shown on detail 5 of sheet L-6.02." "the detail shall be updated to include NON-STABILIZED dg trees planted in tree wells shall be backfilled per standard tree planting detail 5 or 7 on sheet L-6.01 (depending on tree size)"

Answered By:

Signed:

Tamara McClory

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Sebastian Enriquez

Tilden-Coil Constructors



Subject: Roof Hatch and Ladder Detail Reference

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Thomas Albertazzie

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g225, Roof Hatch & Ladder, Provide a reference to detail 10/A-9.1 sim for the roof hatch & ladder. (The ladder base on 10/A-9.1 is shown at a wood floor structure)

Suggestion:

Answer: **Accept Suggestion**

Detail 10/A-9.1 has been referenced to the roof access hatch & ladders on the reflected ceiling plan for buildings where it applies. Revised detail 10/A-9.1, although it shows a wood framed floor, now references where that applies with concrete floor slab everywhere else.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-761

Printed On: Apr 14, 2025
 Page: 32 of 57

Subject: Freezer and Cooler Entries

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Thomas Albertazzie
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g226, Freezer & Cooler Entries, Provide the clear dimension for the openings in the framed walls at the FS doors. Also note the height for the cased openings.

Suggestion:

Answer: **Accept Suggestion**

Opening dimensions added to the floor plan and header height added to the RCP and Section #3.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Landscaping Backfill and Soil Clarifications

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Ian Gust

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

1. Please confirm that all excavated soil for soil preparation, backfill, and irrigation trenching can spread onsite.
2. Refer to Detail 1/Sheet L-2.41, Notes 2 and 10, Planter backfill mix and loose laid cobble are referenced in plan view notes on this sheet. Please provide material and sizes for these items.

Suggestion:

Answer: **Accept Suggestion**

1. yes, if it meets the requirements per specifications
2. material and sizes shall be per specs - detail will be updated to clarify cobble type and where info can be found

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Sebastian Enriquez	Tilden-Coil Constructors



Subject: RR 105 Recessed Sill Detail

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
RJM Design Group

From: Jack Wilson
Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g175, RR 105 GL/A, a) Provide a detail for the recessed sill at window B (3/A-9.4?). b) Provide a detail for the furred wall perimeter at the window return.

Suggestion:

Answer: **Accept Suggestion**

See revised detail 3/A-9.4 in the Addendum #3 drawing set. The sill is no longer recessed. Sections on A-3.5 updated to reflect revision to detail 3/A-9.4.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Anchor detail - @ concrete beam

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

CJ @ Concrete Beam, Define the anchorage of the 2x ledger to the concrete beam and the spacing o.c. of the bolting. Reference S2.3.

Suggestion:

Answer: **Accept Suggestion**

REFER TO UPDATED DET. 13/S2.3 FOR ANCHORAGE AND SPACING IN ADDENDUM #3 ISSUED 04/02.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-766

Printed On: Apr 14, 2025

Page: 35 of 57

Subject: Show grid lines for large Maintenance Building

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Large Maintenance Building, Provide grid lines for the Lrg Maintenance building. The 6x6 post in the center GL/2 & B is shown outside of the wall framing where it is within the wall on sheet A-3.1.

Suggestion:

Answer: **Accept Suggestion**

GRID LINES HAVE BEEN ADDRESSED IN PREVIOUS RFIs.
REFER TO ADDENDUM #3 DRAWINGS ISSUED 04/02/25.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: Roll up door lintel

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Roll Up Door Lintel, Provide a reference to detail 16/SD1 for the 10'-0" lintel span at the roll up doors. Reference S3.1

Suggestion:

Answer: **Accept Suggestion**

REFER TO NOTE 14 FOR DET. REFERENCE TO 16/SD1 ON S3.1.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Section 011000 Confirmation

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Ian Gust

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Section 01 10 00 1.3.A.1 is empty. Is there any work shown on the plans under a separate contract that should be listed here?

Suggestion:

Answer: **Accept Suggestion**

City to confirm - only work under separate contracts would include the LED video board display and support structure foundation, playground omnia contract, turf and base, FFE's and other owner purchased items

Answered By:

Signed: _____

Tamara McClory

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Sebastian Enriquez

Tilden-Coil Constructors



Subject: IT Room 104 Wall Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Aaron Wong

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference A-8.4, & g251

Should the IT Room walls extend to the roof structure?
Please review

Suggestion:

Answer: **Accept Suggestion**

Section 1/A-8.4 revised to show IT Room walls extending to the bottom of the roof structure.

Answered By:

Signed: _____

Erik Curran

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-771

Printed On: Apr 14, 2025

Page: 39 of 57

Subject: Full height walls / joist connection details

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Full Height Walls, Section 3/A-3.5 shows a +/- 18'-0" high wall with joist framing interrupting the wall at 10'-0". Provide a structural framing detail for the full height wall including the joist connection. Reference S3.1

Suggestion:

Answer: **Accept Suggestion**

TYP. CJ DET. REFER TO DET. 10/SD4.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: HSS post in CMU wall rebar clearance detail

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: George Carlson
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Provide a detail that is specific to the HSS Post in a CMU wall that allows for rebar clearance between the shell and the and the tube. Typical. Reference S4.xx

Suggestion:

Answer: **Accept Suggestion**

PLEASE CLARIFY WHICH HSS POST LOCATION WITH REFERENCE TO S4.XX.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-776

Printed On: Apr 14, 2025
 Page: 41 of 57

Subject: Headed Studs @ Hip Beam

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Headed Studs @ Hip Beam, Provide a detail for the headed studs at the HSS hip beams at the 4x nailer. Is it the same as at detail 5? Reference S4.1.

Suggestion:

Answer: **Accept Suggestion**

YES, 5/S4.1 IS FOR THE HIP. REFER TO ADDED DET. 6/S4.1 FOR HIP CONNECTION AT APEX.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: Thickened Slab Under Low Partition Wall.

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Thickened Slab Under Low Partition Walls, Provide the plan view dimensions for the portion of thickened slab. Reference S5.1

Suggestion:

Answer: **Accept Suggestion**

THICKENED SLAB UNDER PARTITION IS CORRECTED. REFER TO S5.1

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Ridge beam at RR building

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

RR Building Roof, Detail B/S5.1 shows a 2x10 ridge board. Detail 4/S5.1 notes 4x ridge beam. Please review the interpretation. Reference S5.1

Suggestion:

Answer: **Accept Suggestion**

ALREADY ADDRESSED IN PREVIOUS RFI 292. USE 2x10 RIDGE BOARD ONLY FOR RESTROOM BUILDING.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: Louver Rough Opening Size Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Jack Wilson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g188, Window <A> Schedule, The size does not match the elevation for opening <A>. Please revise.

Suggestion:

Answer: **Accept Suggestion**

This has been revised in the Addendum #3 drawing set.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-782

Printed On: Apr 14, 2025
Page: 45 of 57

Subject: Food service building roof well

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Food Service Building Roof Well, The roof hatch opening the roof & overflow drains & the mechanical equipment support is not addressed at the roof well. Please review. Reference S7.1

Suggestion:

Answer: **Accept Suggestion**
REFER TO S7.1.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Subject: Food service building Pilaster / Hip Beam / CMU coordination

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

4x12 @ Pilaster, Does detail 10/SD2 typ apply for the 4x12 hip beam where it crosses the CMU pilaster?. Reference S7.1

Suggestion:

Answer: **Accept Suggestion**

CONNECTION OF THE HIP IS AT THE MAIN BUILDING WALL CORNER, NOT AT THE PILASTER.
YES, REFER TO 10/SD2.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-785

Printed On: Apr 14, 2025
Page: 47 of 57

Subject: Drinking Fountain Alcove Sill Cap into CMU

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
RJM Design Group

From: Aaron Wong
Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference detail 9/A-9.2, g131.

At drinking fountain alcove at louver vents, please provide a detail noting the dimension where the sill cap recesses into the CMU at the sill.

Suggestion:

Answer: **Accept Suggestion**

The recess is not required. Detail revised to to eliminate recess.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Subject: Food service building T.O.S. elevations

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

W12x26 FS Beams, Provide a T.O.S. elevation for the beams in relation to the 8'-0" top of freezer/cooler roof. Reference S7.1

Suggestion:

Answer: **Accept Suggestion**

GC TO COORDINATE BEAM ELEVATION

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Green room mechanical well

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Green Room Building Mechanical Well, a) Where DBL joist are noted provide the size. b) Please note the locations for the roof & overflow drains. Would detail 12/S1.5 apply for the framing? Reference S8.1

Suggestion:

Answer: **Accept Suggestion**

A. USE DBL 2x6 CJ @16"o.c. NOTED PER PLAN.
B. ROOF & OVERFLOW DRAINS PER ARCHITECTURAL DRAWINGS ADDED ON S8.1. SIMILAR TO 12/S1.5. REFER TO ATTACHED DETAIL.

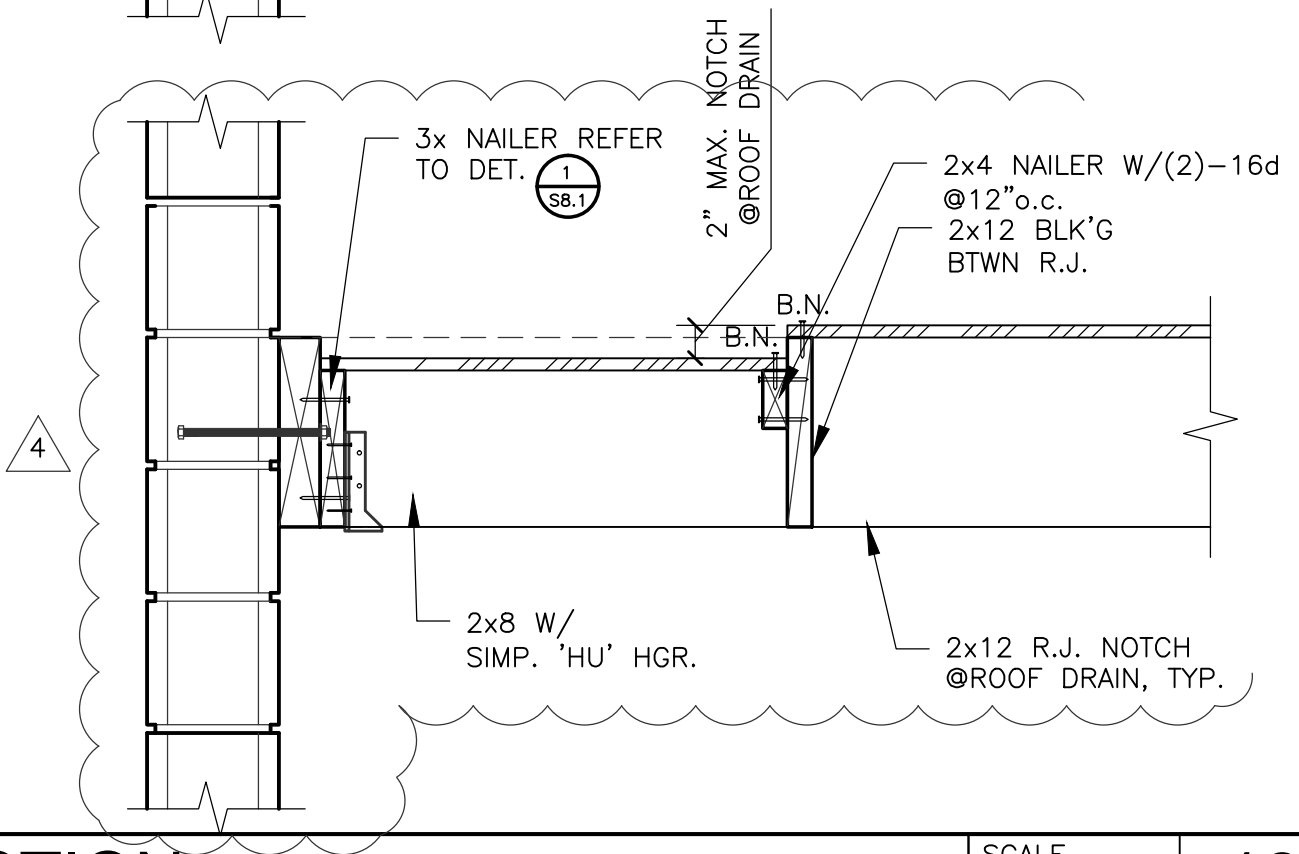
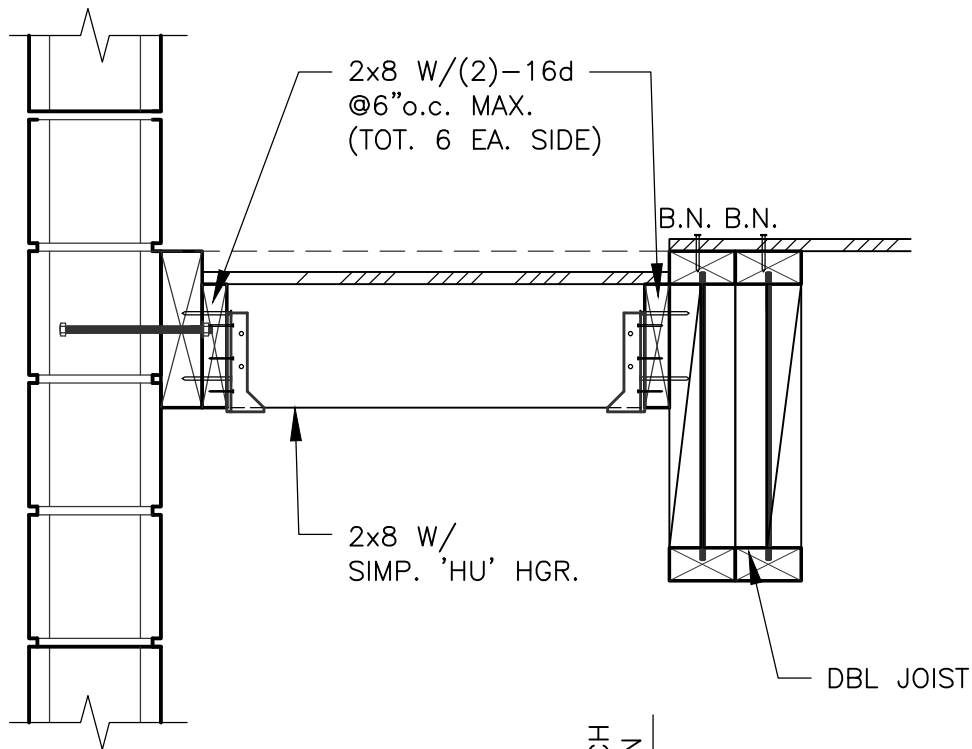
Answered By:

Signed: _____

Date:

Distribution:

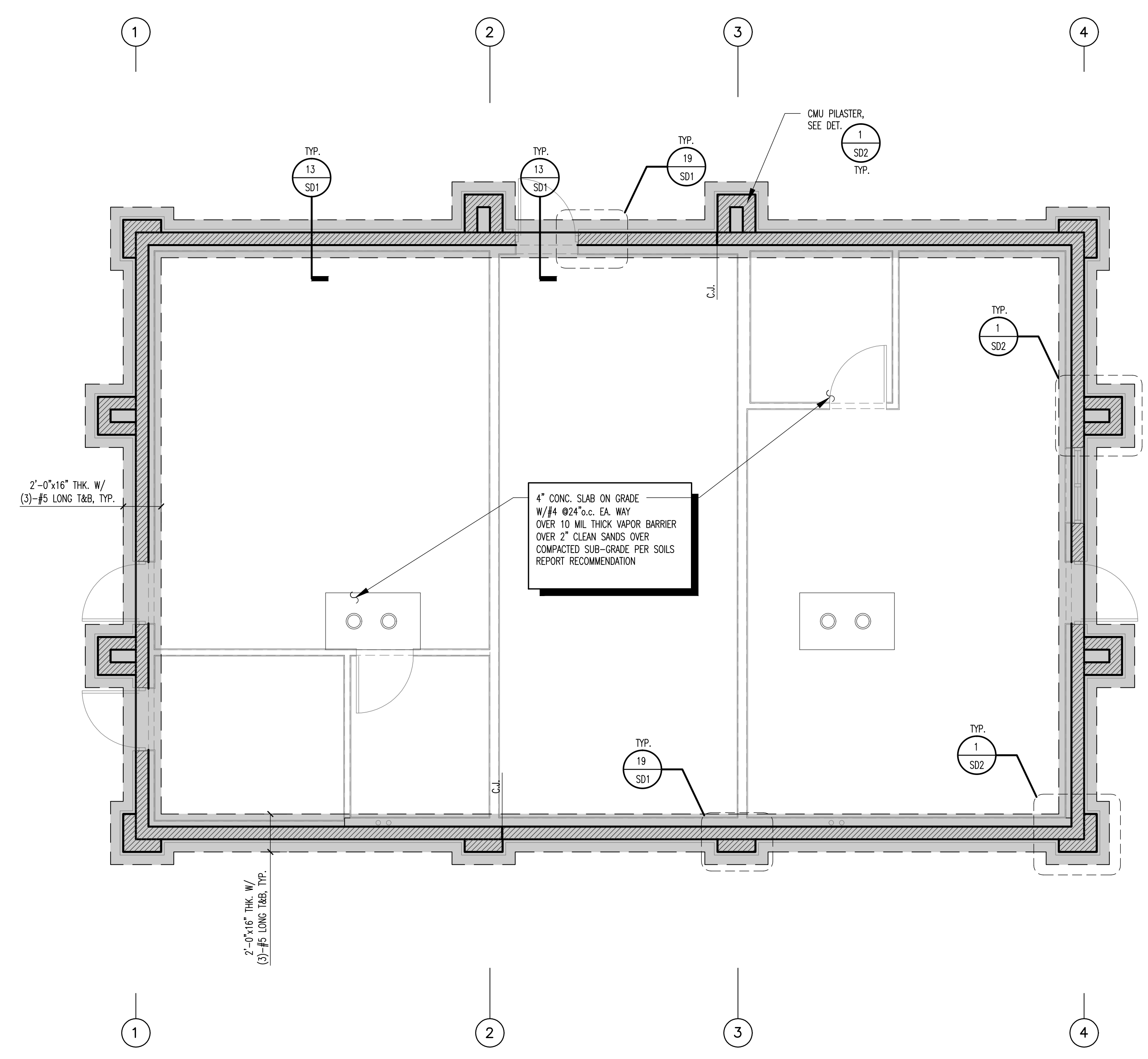
Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors



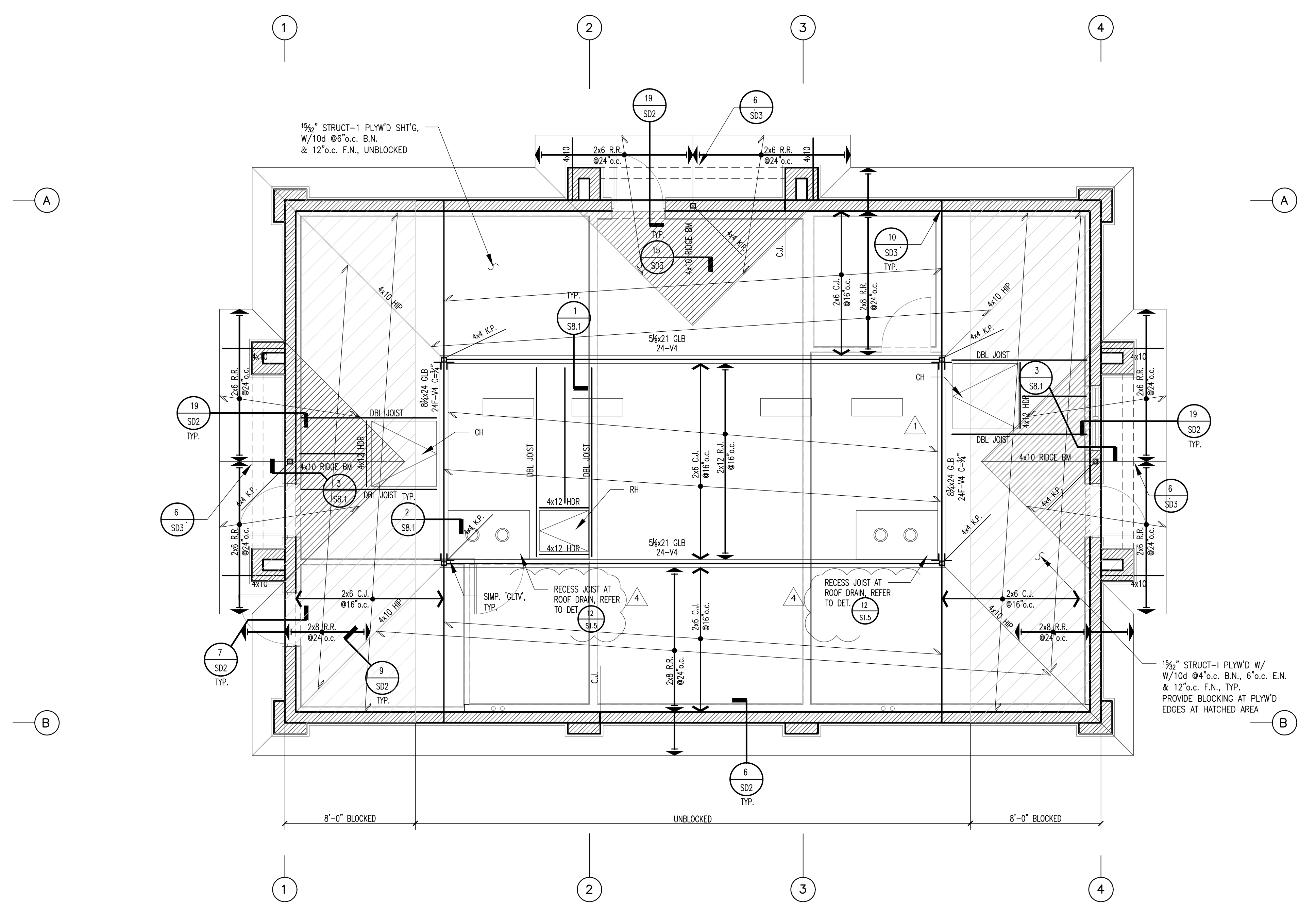
SECTION

SCALE
1"=1'-0"

12



FOUNDATION (GREEN ROOM)
 SCALE: 1/4"=1'-0"
 S8.1

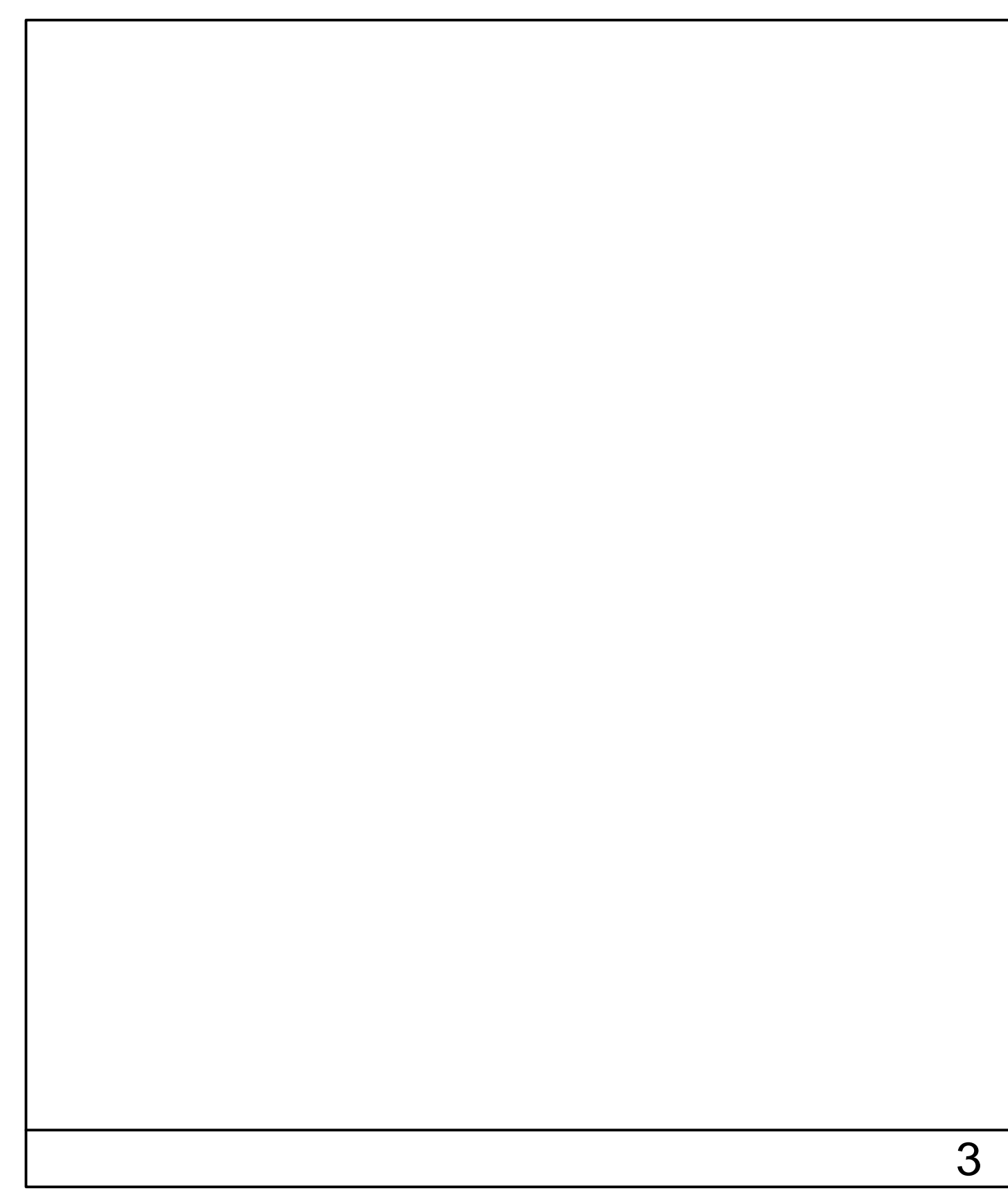


ROOF FRAMING (GREEN ROOM)
 SCALE: 1/4"=1'-0"
 S8.1

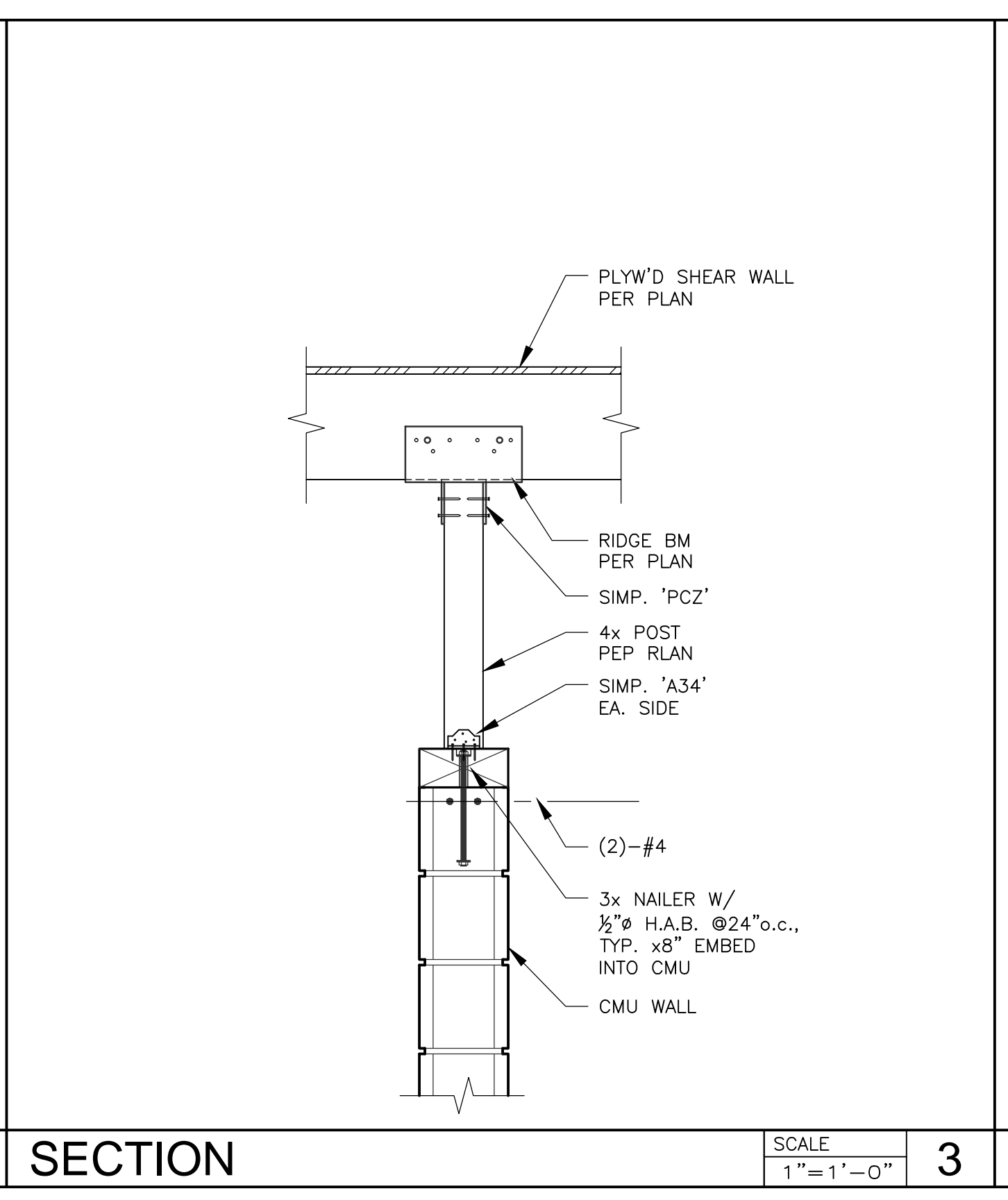
LEGEND

- 1 SD1 → DETAIL REFERENCE DESIGNATION
- 1 SD1 → DETAIL SHEET NUMBER
- DESIGNATES CONTINUOUS FOOTING, GRADE BEAM OR TIE BEAM, TYPICAL
- DESIGNATES 8" THK CMU WALL SOLID GROUTED, HT. = 10'-0"
- 4x → DESIGNATES BM.
- (N) → FLOOR JOIST/CEILING JOIST DIRECTION
- (R) → ROOF JOIST DIRECTION
- C.J. → INDICATE CONTROL JOINT, REFER TO DET. (S8.1) & (S8.1)
- CH/RH → DENOTES CH/RH
 CH=CEILING HATCH
 RH=ROOF HATCH

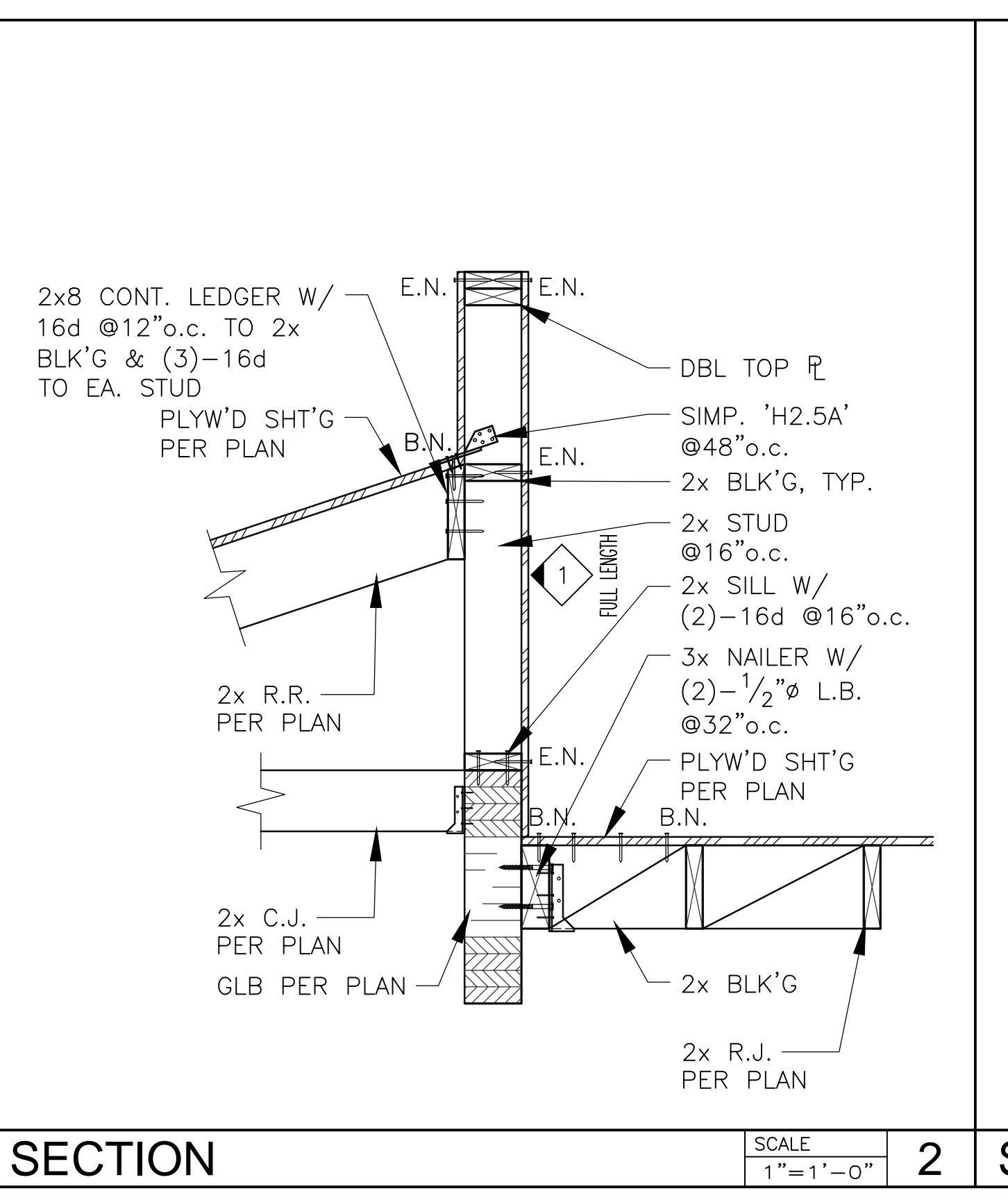
- NOTES:**
- FOR TYP. CONC. FT'G INTERSECTION, SEE (S8.1)
 - FOR TYP. CMU WALL INTERSECTION DET. SEE (S8.1)
 - FOR PIPES PERPENDICULAR & PARALLEL TO FTG., SEE (S8.1) & (S8.1)
 - FOR TYP. REBAR BEND & SPLICE, SEE (S8.1)
 - FOR SLAB CONTROL JOINT, SEE (S8.1)
 - FOR 16" TO 24" CMU PIER DETAIL BETWEEN WINDOW OPENINGS, SEE (S8.1) REFER TO ARCHITECTURAL DRAWINGS FOR SCREEN OPENING LOCATION.
 - FOR CMU CHORD SPLICE DETAIL, SEE (S8.1)
 - FOR WALL REINFORCING AT DOOR & WINDOW OPENINGS, REFER TO DET. (S8.1)
 - FOR FLOOR & ROOF SLOPE TO DRAIN, REFER TO ARCH DWG.
 - FOR CMU WALL CONTROL JOINT, SEE DET. (S8.1)
 - FOR CEILING JOIST SPAN & CONNECTION, SEE DET. (S8.1)
 - FOR NON-BEARING WALL ATTACHMENT, SEE DET. (S8.1)
 - MECHANICAL UNITS LESS THAN 300 lbs., REFER TO MECH. DWG'S FOR ITS ATTACHMENTS TO ROOF FRAMING.
 - LOCATION OF CONTROL JOINTS ARE APPROXIMATE



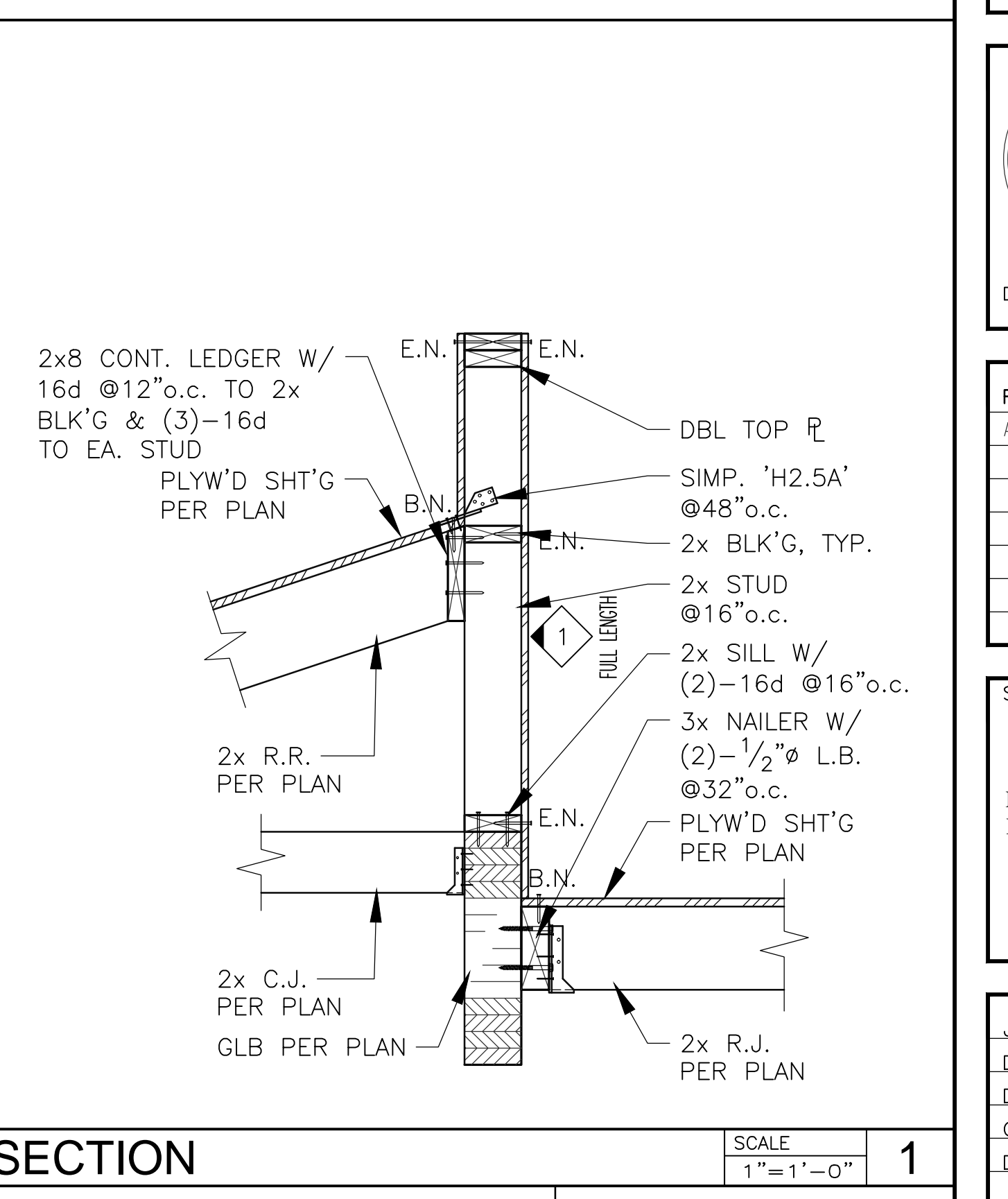
SECTION 3
 SCALE: 1"=1'-0"



SECTION 3
 SCALE: 1"=1'-0"



SECTION 2
 SCALE: 1"=1'-0"



SECTION 1
 SCALE: 1"=1'-0"

UNDERGROUND SERVICE ALERT
 CALL: 811
 TWO WORKING DAYS BEFORE YOU DIG



Subject: Green room platform anchorage

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

CU & HP Units, Detail 1/M-10.2 referenced off of sheet M-8.2 notes to see structural for the platform anchorage of the units to the roof structure. Please review & provide a detail. Reference S8.1

Suggestion:

Answer: **Accept Suggestion**

REFER TO ADDED DET. 4/S8.1.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Tilden-Coil Constructors
 3612 Mission Inn Ave.
 Riverside CA 92501

REQUEST FOR INFORMATION

PB-789

Printed On: Apr 14, 2025
 Page: 51 of 57

Subject: Downspout Connection

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory
 RJM Design Group

From: Jack Wilson
 Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g205, Downspout Connection, a) How often does the 1" strap occur? Please note-. b) The RR building south elevation on sheet A-5.3 shows the downspout in front of the 2" thick precast wainscot. Please provide a detail for the condition.

Suggestion:

Answer: **Accept Suggestion**

- a) See added note to detail 11/A-9.4.
- b) See new detail 19/A-9.5.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: CMU Pilasters

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

CMU Pilasters, Sheet A-2.1 notes 8x8x16 C.MU up to 3'-4" & 8x4x16 above for the pilasters. Please note.Reference SD1

Suggestion:

Answer: **Accept Suggestion**

FOR CMU BLOCK DIMENSION, REFER TO ARCH.

Answered By:

Signed: _____

Date:

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Subject: Elevator Pit Ladder Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Jack Wilson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

g85, Elevator Pit Ladder, Provide a detail for the elevator pit ladder. Can the elevator front wall be installed prior to the hoist way doors or should a 1'-0" gap around the doors be required with an infill after the door jambs are set?

Suggestion:

Answer: **Accept Suggestion**

1. See Note #9 ladder requirements. See plan view for location & reference for contractor to provide shop drawings for review.
2. The contractor needs to coordinate the installation requirements with the elevator manufacturer for the hoistway doors.

Answered By:

Signed: _____

Date:

Distribution:

Contact	Company
Erik Curran	RJM Design Group
Jeannette Pulnik	RJM Design Group
Larry Ryan	RJM Design Group
Zachary Mueting	RJM Design Group
Ian Gust	Tilden-Coil Constructors
Sebastian Enriquez	Tilden-Coil Constructors



Subject: Locate menu board

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Construction Note (6), Provide the location of the 65" signage menu board with an elevation.. Reference T 3.2

Suggestion:

Answer: **Accept Suggestion**

DWE:

Updated elevation and mounting detail to be clarified in forthcoming Bulletin 1.

- 2025-04-14 Jarrett Mui

Answered By:

Signed: _____

Jeannette Pulnik

Date: Apr 14, 2025

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors



Tilden-Coil Constructors

3612 Mission Inn Ave.
Riverside CA 92501

REQUEST FOR INFORMATION

PB-796

Printed On: Apr 14, 2025

Page: 55 of 57

Subject: Metal Screen Head Detail Clarification

Date: Apr 02, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Apr 09, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: Aaron Wong

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

Reference detail 4/A-9.3, 7/S5.1, g201.

Metal screen head, detail 7/S5.1 shows a 4x10 beam at the head condition but does not show the T1-11 grooved plywood ceiling. Please review and adjust accordingly.

Suggestion:

Answer:

Accept Suggestion

T1-11 PLYWD SHEATHING IS ARCHITECTURAL SHEATHING. PLEASE REFER TO ARCHITECTURAL DRAWINGS.

Answered By:

Signed:

Date: Apr 10, 2025

Erik Curran

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueiting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

Sebastian Enriquez

Tilden-Coil Constructors



Subject: IT room - conduit stup up requirements

Date: Feb 14, 2025

Project: Ontario Sports Empire

Job: 24-011

Address:

Required: Feb 21, 2025

Ontario CA 91761

Estimated Cost Impact:

Phone:

Fax:

Estimated Days

To: Tamara McClory

RJM Design Group

From: George Carlson

Tilden-Coil Constructors

Co-null

Contact:

Co-Author RFI

Reference:

Request:

IT Room 104 Construction Note (9), Note how many conduits with the sizes for the stub up. Reference T 3.6

Suggestion:

Answer: **Accept Suggestion**

DWE:Refer to color legend on T-1.2.- 2025-04-14 Jarrett Mui

Answered By:

Signed: _____

Jeannette Pulnik

Date: Apr 14, 2025

Distribution:

Contact

Company

Erik Curran

RJM Design Group

Jeannette Pulnik

RJM Design Group

Larry Ryan

RJM Design Group

Zachary Mueting

RJM Design Group

Ian Gust

Tilden-Coil Constructors

SCOPE OF WORK

CATEGORY: BC06 Masonry

PART 1 – GENERAL

1.01 Related Documents

Division 00 – General Conditions and Supplementary Conditions

Division 01 – General Requirements

Exhibit A – Baseline Schedule

Exhibit B – Logistics Plan

Exhibit C – Soils Report: RMA Group dated August 8, 2024

Exhibit C.1 – Hydrology Report by KPFF Consulting Engineers dated 4/12/24

Exhibit D – Hazmat reports by Charles Taylor Environmental Technical Services

Exhibit E – Final Environmental Impact Report State Clearinghouse No.2023110328 dated June 2024

Exhibit E.1 – Mitigation Monitoring and Reporting Program State Clearinghouse No.2023110328 dated

Exhibit F – Reference Plans: The Construction of Ontario Regional Sports Complex (offsite utility and street plans)

Exhibit F.1 – Reference Plans: Mass Grading Package Phase 1

Exhibit F.2 – Reference Plans: Mass Grading Package Phase 2

Exhibit G – Site Concrete Limits

1.02 Relevant Technical Specifications Sections:

03 45 00.1 – Architectural Precast Concrete

Division 04

07 90 00 – Joint Protection (as it applies)

07 92 00 – Joint Sealants (as it applies)

PART 2 – GENERAL INCLUSIONS:

1. The work includes but is not necessarily limited to furnishing all: labor, materials and the installation of same, appliances, tools, equipment, facilities, transportation, receiving and unloading, hoisting, task lighting, applicable taxes and services necessary for, and incidental to, performing all operations in connection with this scope of work.
2. The breakdown of the scope of work by specifications is for organizational purposes only. The scope noted herein provides additional clarity only. It is not necessarily all inclusive. Where there is a reference to a detail, plan sheet or a note, this is to bring awareness only. Unless specifically “excluded”, this Contractor has the entire scope of work.
3. The scope noted herein; regardless, if duplicated in another’s scope of work and other contract documents, shall be included in this Category Contractor’s base bid. In the event a scope item is duplicated in another Contractor’s scope of work and/or and other contract documents, this does not relieve this Contractor from the responsibility of the scope. It shall be the Construction Manager’s discretion as to which Contractor will perform the scope of work and who shall provide a credit for the value of the scope not provided.
4. Any reference in this scope to “Contractor”, “Category Contractor”, “Bid Category Contractor”, “Bid Package”, “Trade Contractor”, “Contractor”, “Subcontractor” or any version of these are all synonymous / one-in-the same.
5. Contractor shall provide at the job site a Superintendent fluent in written and spoken English at all times during the performance of this Contractor’s scope of work. It is the Contractor’s responsibility to supervise their on-site crews and subcontractors at all times work is being performed under Contractor’s scope of work.
6. Contractor is responsible to know the latest SCAQMD requirements:

- A. Includes implementing those means necessary to ensure any and/or all related work materials, fluids, equipment, etc. are stored or covered in a manner acceptable to the requirements.
 - B. Contractor shall provide and maintain adequate dust control throughout the duration of their operation, including, but not limited to: washing/sweeping of existing sidewalks, public streets and concrete and asphalt access roads on a daily basis. Mitigation of dust shall be to the satisfaction of the Owner, City/County, and/or SCAQMD.
 - C. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
7. Contractor shall take reasonable care to maintain Storm Water Pollution (SWPPP) related erosion control facilities and temporary storm water diversion means during all work.
 - A. If inclement weather is foreseeable during operations of this trade, this Contractor shall use its best effort to leave the site in a condition that minimizes the effects of erosion caused by such weather.
 - B. Contractor to protect all work from effects of inclement weather at its own cost. Protection of this Contractor's work area is the responsibility of same.
 - C. Any corrections and or repairs required due to damage inflicted by the work of this Contractor shall be the responsibility of same.
 - D. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
 - E. Contractors requiring wash out shall have their washout container(s) clearly marked. NO direct dumping onsite and/or into sewer and/or draining systems.
 - F. Contractor to review 01 64 00 for additional relevant information.
 8. Contractor shall comply with all CAL OSHA requirements.
 9. Written survey requests are to be provided to Construction Manager's Superintendent a minimum of three (3) working days prior to the start of work requiring surveying and are to be submitted in a manner that does not require excessive surveyor move-ins.
 10. Contractor shall properly install and maintain all barricades, traffic control, warning lights, flagmen, for deliveries, hauling and/or disposal, including permits & fees as required by local and/or governing Agencies / municipalities for Contractor's scope of work whether expressly mentioned or not.
 11. Contractor shall provide additional fencing, barricades, and/or other protection, which is in addition to site perimeter temporary fencing provided by others to protect open excavations or other hazards resulting from this Contractor's work. Contractor shall cover all open trenches with Cal OSHA compliant covering or soil each day. Temporary trench covering is to be installed in a manner so as to eliminate tripping hazard. It is the Contractor's responsibility to security material and equipment. Any theft of material/equipment is the Contractor's responsibility to replace.
 12. Contractor is responsible to turn in Inspection Requests (IRs) and/or testing requests to Construction Manager's Superintendent no less than 48 hours prior to desired IOR inspection and no less than 72 hours for testing laboratory (LOR) inspection. Work must be complete and in compliance with the contract documents prior to IOR inspection. Contractor shall provide the necessary resources to make up time and bear all related cost associated with any late inspection requests and/or rejected inspections.
 - A. Contractor foreman shall walk with the IOR during all inspections for this subcontractor's scope of work.
 13. Any F.O.B. material and/or coordination required for the installation by this Contractor and/or other Contractors, shall be forwarded by the supplying Contractor with a letter of transmittal and detailed shop drawings showing dimensions, locations, and individual piece count to the installing Contractor via Tilden-Coil. ALL F.O.B. deliveries shall be coordinated with Construction Manager and the receiving Contractor at least 48 hours in advance. The receiving Contractor shall unload, inventory, and inspect materials. All shortages and damaged material must be noted on said transmittal. Receiving Contractor shall sign and date transmittal. Once the

transmittal has been signed, it shall be the receiving Contractor's responsibility to protect and secure the material. Supplying Contractor shall forward a copy of signed transmittal to the Construction Manager's site office for their review and records. Supplying Contractor shall forward all F.O.B. material within the time limits as noted in the construction schedule so as to not delay receiving Contractor's work. If work is delayed due to the untimely forwarding of required material and/or information, the applicable Contractor shall be responsible for any and all costs incurred due to delays and/or corrective work.

14. A representative from this Contractor is to be on site to receive all material deliveries, whether they are performing work on site at the time or not. Construction Manager will not receive or sign for any deliveries of this Contractor's material. Contractor is to provide traffic control, including but not limited to flagmen, signage, delineators, etc. for any delivery vehicles that are unable to be unloaded on the project site, in accordance with all local traffic laws.
15. Contractor understands that housekeeping is critical to both safety and efficiency. Therefore, daily cleanup is an obligation of the contract. Contractor is responsible to legally remove their debris offsite on a daily basis or as necessary as not to be an impact to safety and dependent trades / progress of the project schedule. If daily housekeeping falls below acceptable standards, the Owner shall consider one of the three options to mitigate:
 - A. Require a composite cleanup crew, as needed, until standard is restored. Contractor's manpower contribution size will be based on manpower size as follows:
 - i. 1 to 5 workers = 1, 6 to 10 workers = 2, 11-15 workers = 3, 16 to 20 workers = 4, 20+ workers = 5.
 - B. Hire a separate cleanup crew as needed until standard is restored. Hired crew will be funded via a deductive change order to the offending Contractor(s).
 - C. Require an "all hands" cleanup session as needed until standard is restored.
16. Contractor shall protect all existing on and/or offsite conditions. Any damage sustained by the work of this Contractor, shall be repaired or replaced by the next shift or as directed by Construction Manager or Owner at the expense of this Contractor.
17. For known trade causing damage, it is required to be repaired by the next shift.
18. Contractor has been allotted a number of days for construction activities that relates to this trade. Contractor must manage to complete all work in allotted time frame without excuse. Contractor agrees to assign the appropriate manpower to complete the activities. Therefore, all clarification and approvals must be obtained prior to start of work and in such time as to allow response, procurement, and preparation without compromising the schedule activity time and scheduled start date and finish date. Late coordination and RFI's requested during work progress will not be an excuse for delay.
19. Contractor shall provide their own storage and safety measures.
20. Mobilizations and move-ins as necessary to achieve the progression of the project schedule.
21. Contractor understands and is responsible for all layout for their respective work.
22. Any new substrate provided by others for this Contractor's use and/or any existing substrate (existing conditions) is found to be unacceptable at the time of installation, Contractor shall advise Construction Manager before commencing. Any repairs and/or replacement required to the substrate once Contractor has commenced their work on the substrate, all costs associated with the removal and replacement of finished product shall be at the expense of this Contractor.

PART 3 - TRADE SPECIFIC INCLUSIONS:

1. Structural and non-structural building and site related CMU, Veneer, and Pre-Cast Architectural Concrete.
2. Foundation rebar and footings for site masonry walls.

3. All survey for this scope of work including establishing all control points from benchmarks.
4. Reinforcing for masonry, pilasters, and associated footings.
5. Reinforcing bars and dowels that originate in CMU and extend into structural concrete, slabs, decks, or flatwork.
6. Weld reinforcing bars in CMU where noted.
7. Rough framing for bucks and support framing for openings. Provide the necessary support to ensure frames remain plumb and true during block installation.
8. Wall bracing / shoring:
 - A. All necessary bracing to support CMU wall(s) construction.
 - B. Shore walls where noted on the plans until required to remove.
 - C. Provide engineering plans/calculation by a California licensed engineer for approval as required or noted.
9. Coordinate top of footing elevations and rebar layout with Concrete Contractor.
10. Coordinate structural bearing top of wall or pockets with structural steel shop drawings.
11. Provide block cutouts to accommodate other trade's sleeves and/or penetrations.
12. Elevator openings at CMU wall / conditions.
 - A. The required rough opening for the elevator cab installation is larger than the elevator door/jamb opening. The Masonry Contractor shall:
 - i. Coordinate with Construction Manager and Elevator Contractor the required rough cab opening. Install CMU to the required opening size for cab assembly.
 - ii. Masonry Contractor to re-mobilize to drill/epoxy rebar and place CMU from the cab access rough opening to the elevator door jamb opening.
13. Set all FOB horizontal and vertical embedded bolts, embed plates, ledgers, and sleeves. Use shop drawings for placement.
 - A. Provide the necessary support to ensure embedded items are plumb and true during block and grout installation. Continually confirm placement and validate following grouting.
 - B. Tighten nuts on embed bolts per AISC standard prior to the dismantle of scaffolding.
 - C. Hollow metal frames.
14. Grout baseplates in CMU walls and beam pockets.
15. Jamb / wire anchors in CMU at hollow metal frame conditions. Jambs / wire anchors FOB by door contractor.
16. Grout hollow metal frames.
17. Patch scaffold ties / holes.
18. Contractor shall remove any damaged or blemished block faces and replace with veneer block shell.
19. Facing blocks shall be backed by solid grouting. Include any facing block that may be required to cover steel. Once the steel is erected, the block veneer face shall be installed.
20. Joint sealant at CMU expansion conditions and where CMU abuts an adjacent finish, including backer rod as necessary.

21. Install and maintain rebar caps on rebar installed by Masonry Contractor. Rebar caps to remain until masonry walls are installed. Remove and bag caps when wall is installed and deliver to Construction Manager.
22. Provide scaffolding necessary to safely install masonry.
23. Remove efflorescence that occurs during the curing stage. Coordinate acid wash with painter to ensure block is sealed immediately after efflorescence is removed. Sealer Protect adjacent finish surfaces prior to starting acid wash.
24. All veneer.
 - A. All anchorage systems and clips required for precast trim & masonry veneer systems.
 - B. Where veneer occurs, the Plaster Contractor will provide scratch & brown coats.
25. Face shell replacement at bonding core test.
26. Sandblast any laitance before block sealant is applied.
27. Provide mock-ups for prism testing. Allow adequate time to assemble, inspect and cure for test and testing results.
28. Inspect and eliminate all irregular shaped units prior to installation.
29. High Lift Grout Procedure request must be submitted in writing 15 days after NTP. No delays to schedule will be granted for failure to submit a timely request.
30. Cover stored block and tops of installed block prior to any inclement weather.
31. During periods of inclement weather, Masonry Contractor to protect top of CMU walls from water seeping into top of block.
32. Provide 8' long mock-up of seat wall end condition and wall cap for review and approval prior to construction. Mockups shall not be part of production. Provide mock-up 2 months prior to the start of any activities associated with this scope of work. Mock-up to be independent from any actual permanent work, removed upon completion or direction from the CM.
33. Coordinate footing vertical rebar layout with concrete contractor for CMU block module layout.
34. Coordinate the erection of CMU Block walls at Shipping Container Yard with Construction Manager to ensure containers are loaded in prior to walls.
35. Precast concrete, including but not limited keystones, counters, caps at CMU planters, pilaster caps, wainscot caps, windowsills, lintels, parapet caps, concrete bases, banding, and all other shapes and elements.
36. N/A
37. Grout infill in between double retaining/seat walls per 10/S-3 & 7/S-8.
38. Coordinate gate opening dimensions with concrete and fencing contractors prior to footings.
39. Grout around plumbing penetrations similar to 13/A-9.1.
40. Coordinate with Roll Up Door contractor for R.O. Requirements.

41. Coordinate with Elevator contractor for R.O. requirements.
42. CMU and veneer at Monument Signs located on sheet W-02.
43. CIP concrete wall/table/bench caps.
44. Contractor shall include in base bid an additional [300] journey man-hours to be used at the discretion of the Construction Manager or Owner. Man-hours not used will be credited back to the Owner. Hourly rate shall be determined in accordance with change order section of the General Conditions. The man-hours shall NOT be used towards poor workmanship or contract work not in accordance with the contract documents.
 - A. Includes \$15,000 in material accommodate the above man hours.
45. Contractor shall install all metal railing sleeves into masonry. Where plans show railing to be “wet-set” or embedded, contractor is to assume this to be a sleeve. The railing contractor will provide all metal sleeves F.O.B. to this contractor for installation. Layout drawings will be provided by the railing contractor for this contractor to install per those drawings.
46. Concrete Infill at Main Entry Gate Pilasters per 1/L-2.29 **and Pilaster/Footing Detail 18/SD-1.**
47. Pilaster for Plaque with trim as noted on 1/L-2.52.
 - A. Infill void between both CMU walls with grout.
48. Excavation for site CMU related footings.
 - A. Including backfill for footings & retaining walls.
49. Coordinate with Signage Contractor for embedded light fixture at Steel Trellis Pilaster Caps.
- 50. At Building A CMU pilasters, assume concrete infill 3,000psi in lieu of grout infill.**

PART 4 – ALLOWANCES:

1. Bid Contractor shall include in their base bid the Trade Specific Bid Category Allowance identified in Division 01 (Specification Section 01 21 00 – Allowance). This allowance shall be used at the discretion of the Construction Manager and/or Owner. The allowance shall not be used for this Contractors’ poor workmanship, missed scope, delays imposed due to this Contractor, or corrective work. All labor rates and material cost shall be determined in accordance with the General Conditions. All mark-up, general conditions, bonds, fee, overhead & profit, insurance, and supervision for this allowance shall be in addition to the allowance amount identified in Division 01 and is to be included in this Contractor’s Base Bid. This allowance shall be specifically itemized on this Bid Category Contractors Schedule of Values.

PART – 5 EXCLUSIONS:

1. Building Foundation rebar and welding rebar to embeds.

SCOPE OF WORK

CATEGORY: BC11 Doors, Frames, & Hardware

PART 1 – GENERAL

1.01 Related Documents

Division 00 – General Conditions and Supplementary Conditions

Division 01 – General Requirements

Exhibit A – Baseline Schedule

Exhibit B – Logistics Plan

Exhibit C – Soils Report: RMA Group dated August 8, 2024

Exhibit C.1 – Hydrology Report by KPFF Consulting Engineers dated 4/12/24

Exhibit D – Hazmat reports by Charles Taylor Environmental Technical Services

Exhibit E – Final Environmental Impact Report State Clearinghouse No.2023110328 dated June 2024

Exhibit E.1 – Mitigation Monitoring and Reporting Program State Clearinghouse No.2023110328 dated

Exhibit F – Reference Plans: The Construction of Ontario Regional Sports Complex (offsite utility and street plans)

Exhibit F.1 – Reference Plans: Mass Grading Package Phase 1

Exhibit F.2 – Reference Plans: Mass Grading Package Phase 2

Exhibit G – Site Concrete Limits

1.02 Relevant Technical Specifications Sections:

07 92 00 – Joint Sealants (as it applies)

08 11 00 – Metal Doors And Frames

08 12 00 – Metal Frames

08 14 00 – Wood Doors

08 17 00 – Prefinished Metal Door Opening Assemblies

08 71 00 – Door Hardware

08 80 00 – Glazing (as it applies)

09 91 13 – Exterior Painting

09 91 23 – Interior Painting

10 82 00 – Louvers, Grilles, And Screens (as it applies)

PART 2 – GENERAL INCLUSIONS:

1. The work includes but is not necessarily limited to furnishing all: labor, materials and the installation of same, appliances, tools, equipment, facilities, transportation, receiving and unloading, hoisting, task lighting, applicable taxes and services necessary for, and incidental to, performing all operations in connection with this scope of work.
2. The breakdown of the scope of work by specifications is for organizational purposes only. The scope noted herein provides additional clarity only. It is not necessarily all inclusive. Where there is a reference to a detail, plan sheet or a note, this is to bring awareness only. Unless specifically “excluded”, this Contractor has the entire scope of work.
3. The scope noted herein; regardless, if duplicated in another’s scope of work and other contract documents, shall be included in this Category Contractor’s base bid. In the event a scope item is duplicated in another Contractor’s scope of work and/or and other contract documents, this does not relieve this Contractor from the responsibility of the scope. It shall be the Construction Manager’s discretion as to which Contractor will perform the scope of work and who shall provide a credit for the value of the scope not provided.
4. Any reference in this scope to “Contractor”, “Category Contractor”, “Bid Category Contractor”, “Bid Package”, “Trade Contractor”, “Contractor”, “Subcontractor” or any version of these are all synonymous / one-in-the same.

5. Contractor shall provide at the job site a Superintendent fluent in written and spoken English at all times during the performance of this Contractor's scope of work. It is the Contractor's responsibility to supervise their on-site crews and subcontractors at all times work is being performed under Contractor's scope of work.
6. Contractor is responsible to know the latest SCAQMD requirements:
 - A. Includes implementing those means necessary to ensure any and/or all related work materials, fluids, equipment, etc. are stored or covered in a manner acceptable to the requirements.
 - B. Contractor shall provide and maintain adequate dust control throughout the duration of their operation, including, but not limited to: washing/sweeping of existing sidewalks, public streets and concrete and asphalt access roads on a daily basis. Mitigation of dust shall be to the satisfaction of the Owner, City/County, and/or SCAQMD.
 - C. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
7. Contractor shall take reasonable care to maintain Storm Water Pollution (SWPPP) related erosion control facilities and temporary storm water diversion means during all work.
 - A. If inclement weather is foreseeable during operations of this trade, this Contractor shall use its best effort to leave the site in a condition that minimizes the effects of erosion caused by such weather.
 - B. Contractor to protect all work from effects of inclement weather at its own cost. Protection of this Contractor's work area is the responsibility of same.
 - C. Any corrections and or repairs required due to damage inflicted by the work of this Contractor shall be the responsibility of same.
 - D. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
 - E. Contractors requiring wash out shall have their washout container(s) clearly marked. NO direct dumping onsite and/or into sewer and/or draining systems.
 - F. Contractor to review 01 64 00 for additional relevant information.
8. Contractor shall comply with all CAL OSHA requirements.
9. Written survey requests are to be provided to Construction Manager's Superintendent a minimum of three (3) working days prior to the start of work requiring surveying and are to be submitted in a manner that does not require excessive surveyor move-ins.
10. Contractor shall properly install and maintain all barricades, traffic control, warning lights, flagmen, for deliveries, hauling and/or disposal, including permits & fees as required by local and/or governing Agencies / municipalities for Contractor's scope of work whether expressly mentioned or not.
11. Contractor shall provide additional fencing, barricades, and/or other protection, which is in addition to site perimeter temporary fencing provided by others to protect open excavations or other hazards resulting from this Contractor's work. Contractor shall cover all open trenches with Cal OSHA compliant covering or soil each day. Temporary trench covering is to be installed in a manner so as to eliminate tripping hazard. It is the Contractor's responsibility to security material and equipment. Any theft of material/equipment is the Contractor's responsibility to replace.
12. Contractor is responsible to turn in Inspection Requests (IRs) and/or testing requests to Construction Manager's Superintendent no less than 48 hours prior to desired IOR inspection and no less than 72 hours for testing laboratory (LOR) inspection. Work must be complete and in compliance with the contract documents prior to IOR inspection. Contractor shall provide the necessary resources to make up time and bear all related cost associated with any late inspection requests and/or rejected inspections.
 - A. Contractor foreman shall walk with the IOR during all inspections for this subcontractor's scope of work.

13. Any F.O.B. material and/or coordination required for the installation by this Contractor and/or other Contractors, shall be forwarded by the supplying Contractor with a letter of transmittal and detailed shop drawings showing dimensions, locations, and individual piece count to the installing Contractor via Tilden-Coil. ALL F.O.B. deliveries shall be coordinated with Construction Manager and the receiving Contractor at least 48 hours in advance. The receiving Contractor shall unload, inventory, and inspect materials. All shortages and damaged material must be noted on said transmittal. Receiving Contractor shall sign and date transmittal. Once the transmittal has been signed, it shall be the receiving Contractor's responsibility to protect and secure the material. Supplying Contractor shall forward a copy of signed transmittal to the Construction Manager's site office for their review and records. Supplying Contractor shall forward all F.O.B. material within the time limits as noted in the construction schedule so as to not delay receiving Contractor's work. If work is delayed due to the untimely forwarding of required material and/or information, the applicable Contractor shall be responsible for any and all costs incurred due to delays and/or corrective work.
14. A representative from this Contractor is to be on site to receive all material deliveries, whether they are performing work on site at the time or not. Construction Manager will not receive or sign for any deliveries of this Contractor's material. Contractor is to provide traffic control, including but not limited to flagmen, signage, delineators, etc. for any delivery vehicles that are unable to be unloaded on the project site, in accordance with all local traffic laws.
15. Contractor understands that housekeeping is critical to both safety and efficiency. Therefore, daily cleanup is an obligation of the contract. Contractor is responsible to legally remove their debris offsite on a daily basis or as necessary as not to be an impact to safety and dependent trades / progress of the project schedule. If daily housekeeping falls below acceptable standards, the Owner shall consider one of the three options to mitigate:
 - A. Require a composite cleanup crew, as needed, until standard is restored. Contractor's manpower contribution size will be based on manpower size as follows:
 - i. 1 to 5 workers = 1, 6 to 10 workers = 2, 11-15 workers = 3, 16 to 20 workers = 4, 20+ workers = 5.
 - B. Hire a separate cleanup crew as needed until standard is restored. Hired crew will be funded via a deductive change order to the offending Contractor(s).
 - C. Require an "all hands" cleanup session as needed until standard is restored.
16. Contractor shall protect all existing on and/or offsite conditions. Any damage sustained by the work of this Contractor, shall be repaired or replaced by the next shift or as directed by Construction Manager or Owner at the expense of this Contractor.
17. For known trade causing damage, it is required to be repaired by the next shift.
18. Contractor has been allotted a number of days for construction activities that relates to this trade. Contractor must manage to complete all work in allotted time frame without excuse. Contractor agrees to assign the appropriate manpower to complete the activities. Therefore, all clarification and approvals must be obtained prior to start of work and in such time as to allow response, procurement, and preparation without compromising the schedule activity time and scheduled start date and finish date. Late coordination and RFI's requested during work progress will not be an excuse for delay.
19. Contractor shall provide their own storage and safety measures.
20. Mobilizations and move-ins as necessary to achieve the progression of the project schedule.
21. Contractor understands and is responsible for all layout for their respective work.
22. Any new substrate provided by others for this Contractor's use and/or any existing substrate (existing conditions) is found to be unacceptable at the time of installation, Contractor shall advise Construction Manager before commencing. Any repairs and/or replacement required to the substrate once Contractor has

commenced their work on the substrate, all costs associated with the removal and replacement of finished product shall be at the expense of this Contractor.

PART 3 - TRADE SPECIFIC INCLUSIONS:

Doors:

1. Rated, non-rated, and sound rated hollow metal doors.
2. Wood and plastic laminated doors.
3. Pocket doors
4. Vision light frames, window stops, kick plates, and door louvers.
5. Exposed wood edges and cut-outs for hardware and accessories shall be factory sealed prior to shipment. Field cut shall be sealed.
6. Under cut doors to match floor finishes, and incidental preparation of factory pre-manufactured and beveled doors.
7. Door louvers

Frames:

8. Rated, non-rated hollow, and sound rated metal frames.
9. Timely frames
10. All door frames to be checked for level and plumb prior to drywall installation. Correct any mis-aligned frames. Correct any mis-aligned frames.
11. Field weld frames that are too large for transit.
12. FOB frames for installation by others:
 - A. Frames that cast into concrete or masonry.
13. Frame installation by Door, Frame, Hardware Contractor:
 - A. Frames in wood walls.
14. Punch, dimple, install, grout, and conceal fasteners and grout hollow metal frames at masonry wall conditions if frames are not delivered to meet the activity requirement of these conditions.
15. Verify door frames have been installed correctly at least on two (2) separate occasions: Once wall framing is complete and when drywall is complete.
16. Transoms. Glazing or louvers furnished and installed within transom frame by this Contractor.
17. Metal window frames.

Hardware:

18. Hardware for all doors provided by this Contractor and installation of same.
19. All electrified hardware, power supply devices, and accessories as shown. Coordinate installation with Electrical Contractor.

- A. Electrical Contractor shall supply line voltage to power supply unit and conduit for in wall routing of control wiring.
 - B. The ONLY low voltage wiring and connections provided by the Electrical Contractor shall be for hardware tied directly into the fire alarm system such as magnetic door hold opens.
 - C. All other low voltage control wiring for auto-operator controls shall be provided by the Doors, Frames & Hardware Contractor.
 - D. Review & coordinate with the electrical plans and technology plans for control requirements necessary to be accommodated in either the door and/or frames.
20. Place a bead of caulk under thresholds; regardless, if noted or not.
21. Temporary cylinders at exterior doors and storage rooms for use during construction.
22. Temporary doors and door locking hardware at electrical, data, and elevator control rooms. Remove temporary doors and hardware when permanent door and hardware are scheduled to be installed.
23. Coordinate permanent keying requirements and installation with the City of Ontario.
24. Adjust hardware after completion of air balance and again prior to warranty period expiration.
- 25. A hardware schedule is not included in the current specifications and will be provided at a later time. Contractor shall account for all labor and prep to install the hardware for all doors as part of the original base bid. Bid shall include a \$225,000 allowance specifically designated to purchase hardware materials once the finalized hardware sets are provided after bid.**

PART 4 – ALLOWANCES:

1. Bid Contractor shall include in their base bid the Trade Specific Bid Category Allowance identified in Division 01 (Specification Section 01 21 00 – Allowance). This allowance shall be used at the discretion of the Construction Manager and/or Owner. The allowance shall not be used for this Contractors' poor workmanship, missed scope, delays imposed due to this Contractor, or corrective work. All labor rates and material cost shall be determined in accordance with the General Conditions. All mark-up, general conditions, bonds, fee, overhead & profit, insurance, and supervision for this allowance shall be in addition to the allowance amount identified in Division 01 and is to be included in this Contractor's Base Bid. This allowance shall be specifically itemized on this Bid Category Contractors Schedule of Values.

PART 5 - EXCLUSIONS:

1. Hardware at ornamental fence and gates (by Fencing Contractor)

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SCOPE OF WORK

CATEGORY: BC15 Signage

PART 1 – GENERAL

1.01 Related Documents

Division 00 – General Conditions and Supplementary Conditions

Division 01 – General Requirements

Exhibit A – Baseline Schedule

Exhibit B – Logistics Plan

Exhibit C – Soils Report: RMA Group dated August 8, 2024

Exhibit C.1 – Hydrology Report by KPFF Consulting Engineers dated 4/12/24

Exhibit D – Hazmat reports by Charles Taylor Environmental Technical Services

Exhibit E – Final Environmental Impact Report State Clearinghouse No.2023110328 dated June 2024

Exhibit E.1 – Mitigation Monitoring and Reporting Program State Clearinghouse No.2023110328 dated

Exhibit F – Reference Plans: The Construction of Ontario Regional Sports Complex (offsite utility and street plans)

Exhibit F.1 – Reference Plans: Mass Grading Package Phase 1

Exhibit F.2 – Reference Plans: Mass Grading Package Phase 2

Exhibit G – Site Concrete Limits

1.02 Relevant Technical Specifications Sections:

07 90 00 – Joint Protection (as it applies)

07 92 00 – Joint Sealants (as it applies)

09 90 00 – Painting and Coating (as it applies)

10 14 00 – Signage

PART 2 – GENERAL INCLUSIONS:

1. The work includes but is not necessarily limited to furnishing all: labor, materials and the installation of same, appliances, tools, equipment, facilities, transportation, receiving and unloading, hoisting, task lighting, applicable taxes and services necessary for, and incidental to, performing all operations in connection with this scope of work.
2. The breakdown of the scope of work by specifications is for organizational purposes only. The scope noted herein provides additional clarity only. It is not necessarily all inclusive. Where there is a reference to a detail, plan sheet or a note, this is to bring awareness only. Unless specifically “excluded”, this Contractor has the entire scope of work.
3. The scope noted herein; regardless, if duplicated in another’s scope of work and other contract documents, shall be included in this Category Contractor’s base bid. In the event a scope item is duplicated in another Contractor’s scope of work and/or and other contract documents, this does not relieve this Contractor from the responsibility of the scope. It shall be the Construction Manager’s discretion as to which Contractor will perform the scope of work and who shall provide a credit for the value of the scope not provided.
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6. Contractor is responsible to know the latest SCAQMD requirements:
 - A. Includes implementing those means necessary to ensure any and/or all related work materials, fluids, equipment, etc. are stored or covered in a manner acceptable to the requirements.

- B. Contractor shall provide and maintain adequate dust control throughout the duration of their operation, including, but not limited to: washing/sweeping of existing sidewalks, public streets and concrete and asphalt access roads on a daily basis. Mitigation of dust shall be to the satisfaction of the Owner, City/County, and/or SCAQMD.
 - C. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
7. Contractor shall take reasonable care to maintain Storm Water Pollution (SWPPP) related erosion control facilities and temporary storm water diversion means during all work.
- A. If inclement weather is foreseeable during operations of this trade, this Contractor shall use its best effort to leave the site in a condition that minimizes the effects of erosion caused by such weather.
 - B. Contractor to protect all work from effects of inclement weather at its own cost. Protection of this Contractor's work area is the responsibility of same.
 - C. Any corrections and or repairs required due to damage inflicted by the work of this Contractor shall be the responsibility of same.
 - D. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
 - E. Contractors requiring wash out shall have their washout container(s) clearly marked. NO direct dumping onsite and/or into sewer and/or draining systems.
 - F. Contractor to review 01 64 00 for additional relevant information.
8. Contractor shall comply with all CAL OSHA requirements.
9. Written survey requests are to be provided to Construction Manager's Superintendent a minimum of three (3) working days prior to the start of work requiring surveying and are to be submitted in a manner that does not require excessive surveyor move-ins.
10. Contractor shall properly install and maintain all barricades, traffic control, warning lights, flagmen, for deliveries, hauling and/or disposal, including permits & fees as required by local and/or governing Agencies / municipalities for Contractor's scope of work whether expressly mentioned or not.
11. Contractor shall provide additional fencing, barricades, and/or other protection, which is in addition to site perimeter temporary fencing provided by others to protect open excavations or other hazards resulting from this Contractor's work. Contractor shall cover all open trenches with Cal OSHA compliant covering or soil each day. Temporary trench covering is to be installed in a manner so as to eliminate tripping hazard. It is the Contractor's responsibility to security material and equipment. Any theft of material/equipment is the Contractor's responsibility to replace.
12. Contractor is responsible to turn in Inspection Requests (IRs) and/or testing requests to Construction Manager's Superintendent no less than 48 hours prior to desired IOR inspection and no less than 72 hours for testing laboratory (LOR) inspection. Work must be complete and in compliance with the contract documents prior to IOR inspection. Contractor shall provide the necessary resources to make up time and bear all related cost associated with any late inspection requests and/or rejected inspections.
- A. Contractor foreman shall walk with the IOR during all inspections for this subcontractor's scope of work.
13. Any F.O.B. material and/or coordination required for the installation by this Contractor and/or other Contractors, shall be forwarded by the supplying Contractor with a letter of transmittal and detailed shop drawings showing dimensions, locations, and individual piece count to the installing Contractor via Tilden-Coil. ALL F.O.B. deliveries shall be coordinated with Construction Manager and the receiving Contractor at least 48 hours in advance. The receiving Contractor shall unload, inventory, and inspect materials. All shortages and damaged material must be noted on said transmittal. Receiving Contractor shall sign and date transmittal. Once the transmittal has been signed, it shall be the receiving Contractor's responsibility to protect and secure the material.

Supplying Contractor shall forward a copy of signed transmittal to the Construction Manager's site office for their review and records. Supplying Contractor shall forward all F.O.B. material within the time limits as noted in the construction schedule so as to not delay receiving Contractor's work. If work is delayed due to the untimely forwarding of required material and/or information, the applicable Contractor shall be responsible for any and all costs incurred due to delays and/or corrective work.

14. A representative from this Contractor is to be on site to receive all material deliveries, whether they are performing work on site at the time or not. Construction Manager will not receive or sign for any deliveries of this Contractor's material. Contractor is to provide traffic control, including but not limited to flagmen, signage, delineators, etc. for any delivery vehicles that are unable to be unloaded on the project site, in accordance with all local traffic laws.
15. Contractor understands that housekeeping is critical to both safety and efficiency. Therefore, daily cleanup is an obligation of the contract. Contractor is responsible to legally remove their debris offsite on a daily basis or as necessary as not to be an impact to safety and dependent trades / progress of the project schedule. If daily housekeeping falls below acceptable standards, the Owner shall consider one of the three options to mitigate:
 - A. Require a composite cleanup crew, as needed, until standard is restored. Contractor's manpower contribution size will be based on manpower size as follows:
 - i. 1 to 5 workers = 1, 6 to 10 workers = 2, 11-15 workers = 3, 16 to 20 workers = 4, 20+ workers = 5.
 - B. Hire a separate cleanup crew as needed until standard is restored. Hired crew will be funded via a deductive change order to the offending Contractor(s).
 - C. Require an "all hands" cleanup session as needed until standard is restored.
16. Contractor shall protect all existing on and/or offsite conditions. Any damage sustained by the work of this Contractor, shall be repaired or replaced by the next shift or as directed by Construction Manager or Owner at the expense of this Contractor.
17. For known trade causing damage, it is required to be repaired by the next shift.
18. Contractor has been allotted a number of days for construction activities that relates to this trade. Contractor must manage to complete all work in allotted time frame without excuse. Contractor agrees to assign the appropriate manpower to complete the activities. Therefore, all clarification and approvals must be obtained prior to start of work and in such time as to allow response, procurement, and preparation without compromising the schedule activity time and scheduled start date and finish date. Late coordination and RFI's requested during work progress will not be an excuse for delay.
19. Contractor shall provide their own storage and safety measures.
20. Mobilizations and move-ins as necessary to achieve the progression of the project schedule.
21. Contractor understands and is responsible for all layout for their respective work.
22. Any new substrate provided by others for this Contractor's use and/or any existing substrate (existing conditions) is found to be unacceptable at the time of installation, Contractor shall advise Construction Manager before commencing. Any repairs and/or replacement required to the substrate once Contractor has commenced their work on the substrate, all costs associated with the removal and replacement of finished product shall be at the expense of this Contractor.

PART 3 - TRADE SPECIFIC INCLUSIONS:

1. Interior and exterior signage.
2. Plastic, tactile, room identification, exit signage and non-tactile signs.

3. Directory signs.
4. Dimensional metal and/or aluminum letters, numbers and artwork. Provide shop drawings for backing coordination.
5. Welding, mounting hardware and adhesives required for a complete assembly.
6. Signage installed on glass shall have a similar blank piece on the opposite side of the glass and directly behind the sign(s) to conceal any adhesives/tapes used during installation.
7. **(3) Large Art Sculptures. Whistle, Baseball and Soccer Sculptures in their entirety.**
 - A. **Coordinate with Electrical contractor for conduit, power, and low voltage requirements.**
 - B. **Footing by Structural Concrete Contractor.**
 - C. **The base bid shall include an additional allowance of \$5,000,000 to coordinate, design, fabricate, ship, and install the 3 art sculptures. Design coordination will commence after award. Contractor to issue a change order inclusive of justifiable backup for this work pending design acceptance.**
 - i. **This art sculpture allowance is in addition to the bid category allowance noted in spec section 012100 Allowance.**
8. Signage shown on the W-sheets.
 - A. Footings by Others.
 - B. Coordinate with Electrical contractor for conduit, power, and low voltage requirements.
 - C. CMU block/veneer by Masonry Contractor.
 - D. FOB Steel posts to Site Concrete Contractors.
9. Steel Trellis Gateway Identity Signage.
 - A. Including aluminum flat cut outs, aluminum raceways, dome light fixtures & LED light up light embedded into concrete cap.
 - B. CMU pilasters & concrete cap by others
 - C. Coordinate with Electrical contractor for conduit requirements.
 - D. Coordinate with Masonry Contractor for embedded light fixtures.
10. Aluminum Flat Cut Out Artwork & perforated graphic walls.
11. Pinwheels as shown on E10 & E11/ Sheet W-16. Provide a sample of each of the 5 symbols.
12. Graphic walls including all aluminum, casters and bench seating.
13. Display Walls in their entirety.
 - A. Coordinate conduit and power requirements with electrical contractor.
 - B. Regardless of the plans stating digital displays are owner furnished and contractor installed, these digital displays will be contractor furnished and installed.
14. Provide mockups for all signage types prior to fabrication.
 - A. Full size for smaller signage.
 - B. Partial samples for larger signage.
15. Signage Quantities are shown on W-01 for reference only. Final quantities shall be determined based off of review of the plans.
16. Recycled water use signs (ref. S/L-4.02). If quantities are not shown on the plans, include in the base bid for (100) signs.

17. Wall mounted banner systems
18. Dedication Plaques
 - A. Concrete Pedestal by others.
19. Sports Bollards. Refer to L-2.13
 - A. Concrete footing by others.
20. All sandblasted quotes, text and lettering per L-2.44.
 - A. Provide 1:1 scale stencil for all text in the correct locations and orientations for review and approval by Architect prior to Installation.
 - B. Provide Mockup as noted on L-2.44.

~~21. Digital Displays including mounting brackets.~~

- ~~A. Electrical & LV by others.~~**

PART 4 – ALLOWANCES:

1. Bid Contractor shall include in their base bid the Trade Specific Bid Category Allowance identified in Division 01 (Specification Section 01 21 00 – Allowance). This allowance shall be used at the discretion of the Construction Manager and/or Owner. The allowance shall not be used for this Contractors' poor workmanship, missed scope, delays imposed due to this Contractor, or corrective work. All labor rates and material cost shall be determined in accordance with the General Conditions. All mark-up, general conditions, bonds, fee, overhead & profit, insurance, and supervision for this allowance shall be in addition to the allowance amount identified in Division 01 and is to be included in this Contractor's Base Bid. This allowance shall be specifically itemized on this Bid Category Contractors Schedule of Values.

PART 5 - EXCLUSIONS:

1. ADA parking, Van accessibility and EV parking signs as noted on type D21, D22 on W-09 & D23 on W-10 (by Earthwork Contractor)

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SELBERT PERKINS
432 Culver Blvd.
Playa Del Rey, CA 90293

ONTARIO SPORTS EMPIRE
CITY OF ONTARIO, CALIFORNIA

REVISIONS	DATE
1ST SUBMITTAL	02/03/25
ELEC BID	02/17/25
BID SET/ ELEC ADD 1	03/03/25
ELEC ADD 2	03/10/25
ADD 3	04/02/25
ADD 3-R	04/09/25

SHEET TITLE
**SIGN TYPES
DETAILS**

JOB #	761.17
DESIGNED	SPD TEAM
DRAWN	SPD TEAM
CHECKED	AO
DATE	4/01/2025

SHEET
W-12

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• THIS SPACE INTENTIONALLY BLANK •

5 PLAN VIEW
scale: 3/32" = 1'-0"

1 FRONT ELEVATION
scale: 3/32" = 1'-0"

2 LEFT SIDE ELEVATION
scale: 3/32" = 1'-0"

3 RIGHT SIDE ELEVATION
scale: 3/32" = 1'-0"

4 RIGHT SIDE ELEVATION
scale: 1/16" = 1'-0"

6 RENDERING
scale: N.T.S.

NOTES – SIGN TYPE E03-W

- SCULPTURE: Fabricated sculpture with internal structural framing cladless with aluminum or composite material.
- SPHERE: Concrete sphere with internal steel rebar. Concrete finish to be smooth with glass clear coat finish.
- SPHERE MOUNTING: Aluminum post embedded into concrete.
- ILLUMINATION: (3) recessed spot lights high lighting sphere.
- CONCRETE FOOTING: Poured in concrete footing below ground as per engineering calculations.
- DRAINAGE MITIGATION: Provide drainage for all areas of sculpture as needed to prevent moisture retention and puddling; per engineering.

GENERAL NOTES

A. MEASUREMENTS & LOCATIONS: Sign Contractor to field verify all measurements and conditions, and determine final sign locations with owner and RJM prior to creating shop drawings and/or digging the footing.

B. DESIGN INTENT: Drawings display design intent. Sign Contractor to verify efficacy of fabrication and installation methods proposed with designer prior to creating shop drawings, methods proposed with designer prior to creating shop drawings.

C. APPROVED FABRICATORS: Approved sculpture fabricators include: Pivotal (pivotal.com), Sissy (sissyfabrication.com), Design Communications (designcommunications.com), Creative Machines (creativemachines.com), CREO Industrial Arts (creoindustrialarts.com), Archetype (archetype.com), WhiteClouds (whiteclouds.com), One Hat One Hand (onehatonehand.com), Engineered Networks (engineerednetworks.com), Yesco (yesco.com).

SIGN TYPE E03-W: WHISTLE SCULPTURE

A SECTION A
scale: 3/16" = 1'-0"

B SECTION B
scale: 3/16" = 1'-0"

C NIGHT RENDERING
scale: N.T.S.

NOTES – SIGN TYPE E03-W

- SCULPTURE: Fabricated sculpture with internal structural framing cladless with aluminum or composite material.
- SPHERE: Concrete sphere with internal steel rebar. Concrete finish to be smooth with glass clear coat finish.
- SPHERE MOUNTING: Aluminum posts embedded into concrete.
- ILLUMINATION: (3) recessed spot lights high lighting sphere.
- CONCRETE FOOTING: Poured in concrete footing as per engineering calculations.

GENERAL NOTES

See previous General Notes for this sign type.

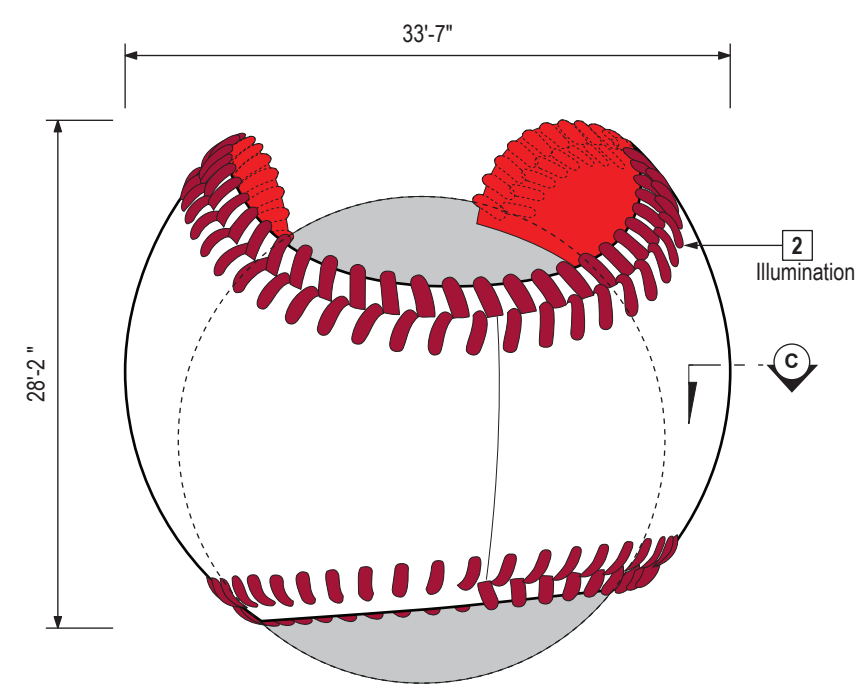
4" aluminum square tube for internal structural framing. Structural framing will be in 2 halves for transport.

Aluminum framing to be bolted together.

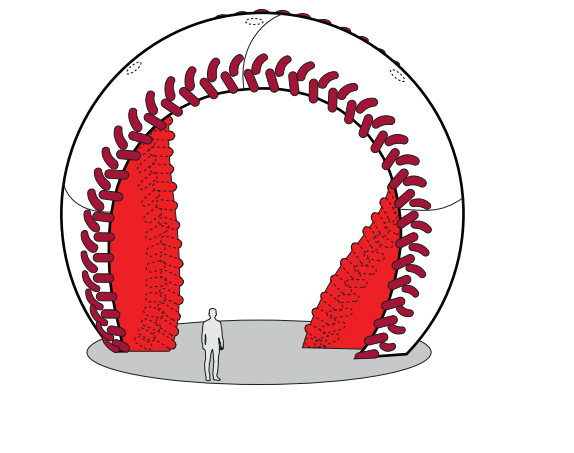
SIGN TYPE E03-W: STRUCTURAL DETAILS



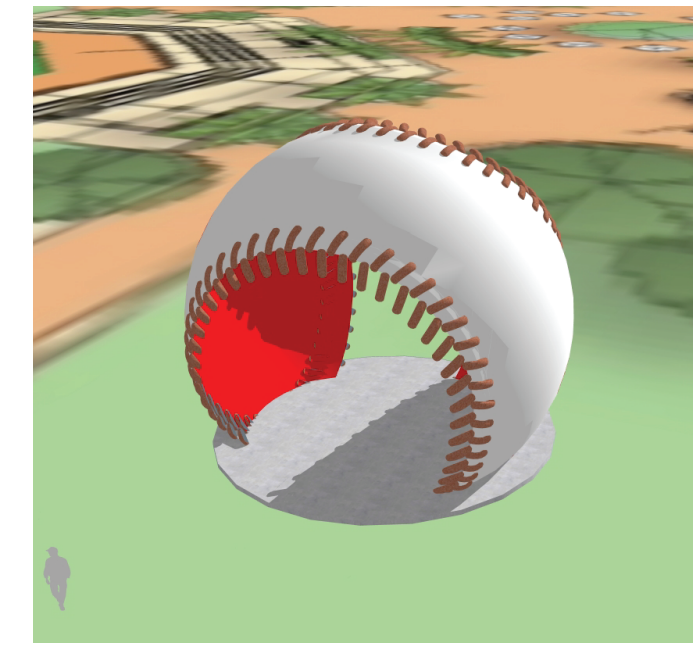
3



4 PLAN VIEW
scale: 3/32" = 1'-0"



5 CONTEXT ELEVATION
scale: 1/16" = 1'-0"



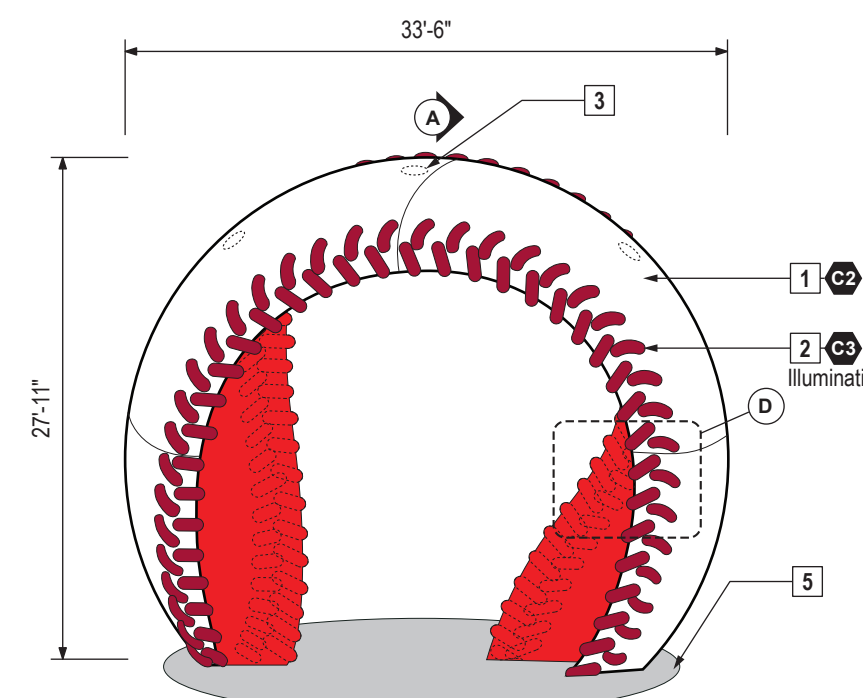
6 RENDERING
scale: N.T.S.

- NOTES – SIGN TYPE E03-B**
1. SCULPTURE: Fabricated sculpture with internal structural framing clad with aluminum, fiberglass or composite material.
 2. STITCHING THREAD: Fabricated baseball thread from composite material with pure linen. Stitching thread to have LED illumination.
 3. ILLUMINATION: LED down light fixtures to illuminate inside of sculpture.
 4. MOUNTING: Aluminum posts embedded into concrete.
 5. CONCRETE FOOTING: Poured in concrete footing as per engineering calculations.
 6. DRAINAGE MITIGATION: Provide drainage for all areas of sculpture as needed to prevent moisture retention and puddling; per engineering.

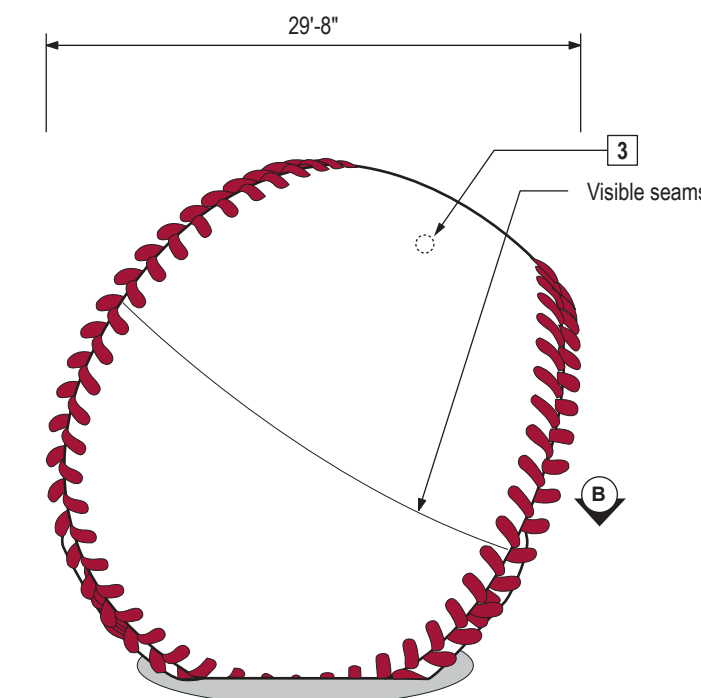
GENERAL NOTES

- A. MEASUREMENTS & LOCATIONS: Sign Contractor to field verify all measurements and conditions, and determine final sign locations with owner and RJM prior to creating shop drawings and/or digging the footing.
- B. DESIGN INTENT: Drawings display design intent. Sign Contractor to verify efficacy of fabrication and installation methods proposed with designer prior to creating shop drawings, methods proposed with designer prior to creating shop drawings.

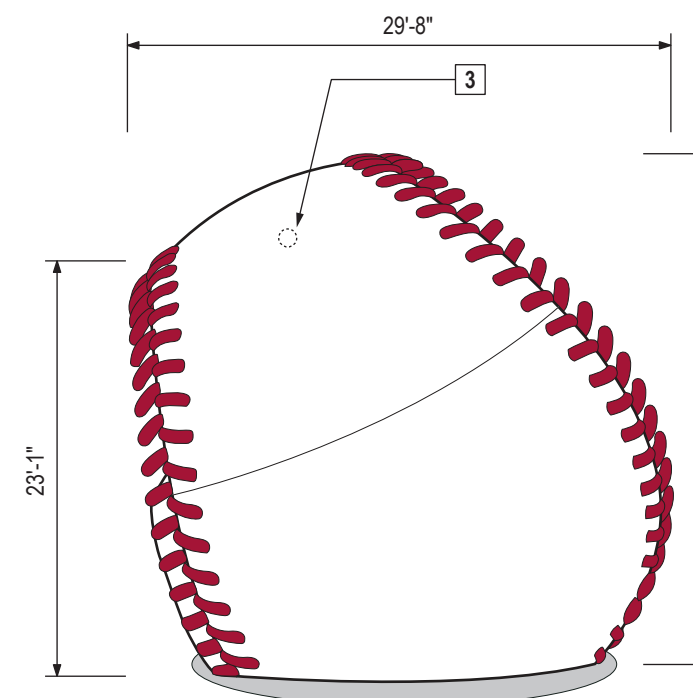
- C. APPROVED FABRICATORS: Approved sculpture fabricators include: Fenwick (fenwick.com), Sassy (sassyfabrication.com), Design Communications (designcommunicationsllc.com), Creative Machines (creativemachines.com), CREC Industrial Arts (crecindustrials.com), Archetype (archetypesign.com), WhiteClouds whitelclouds.com, One Hat One Hand (onehatonehand.com), Engineer Networks (engineerworks.com), Yeaso (yesso.com).



1 FRONT ELEVATION
scale: 3/32" = 1'-0"

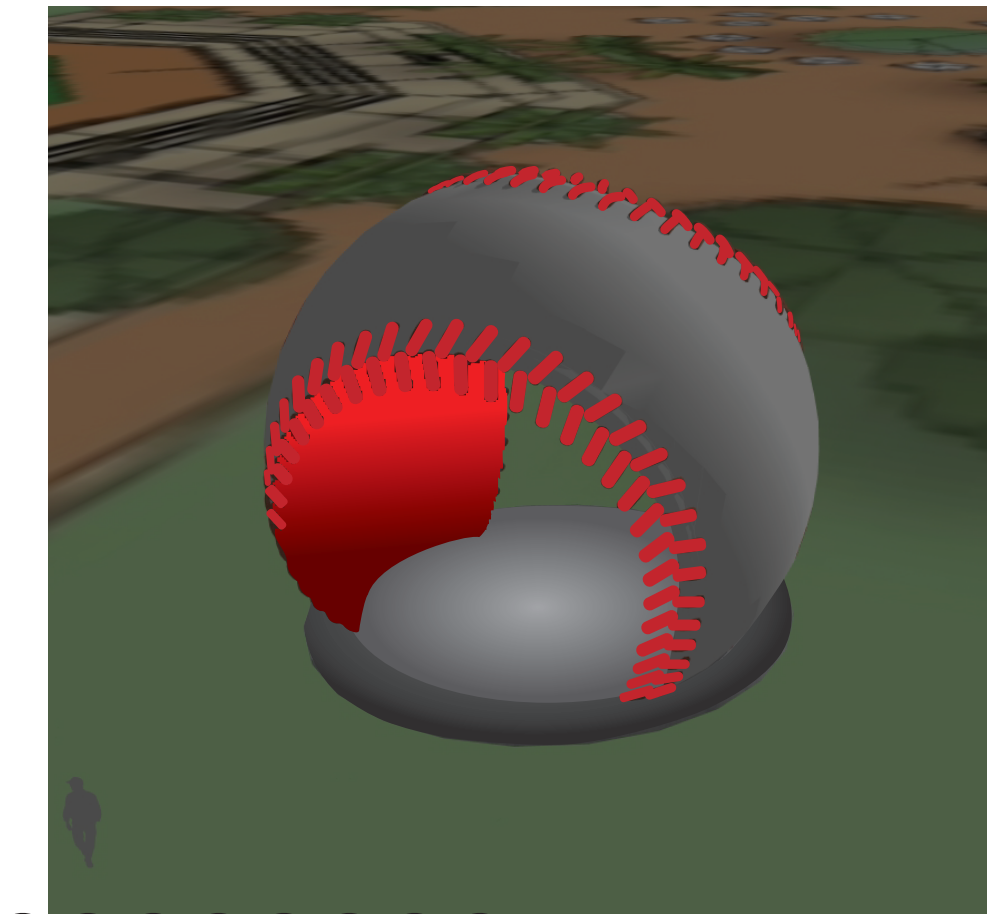


2 LEFT SIDE ELEVATION
scale: 3/32" = 1'-0"



3 RIGHT SIDE ELEVATION
scale: 3/32" = 1'-0"

SIGN TYPE E03-B: BASEBALL SCULPTURE



- NOTES – SIGN TYPE E03-B**
1. BASEBALL SCULPTURE CLADDING: Composite material cladding attached to structural metal framing.
 2. BASEBALL THREAD: Vacuum formed translucent acrylic with internal illumination.
 3. ILLUMINATION: LED modules behind acrylic lens.

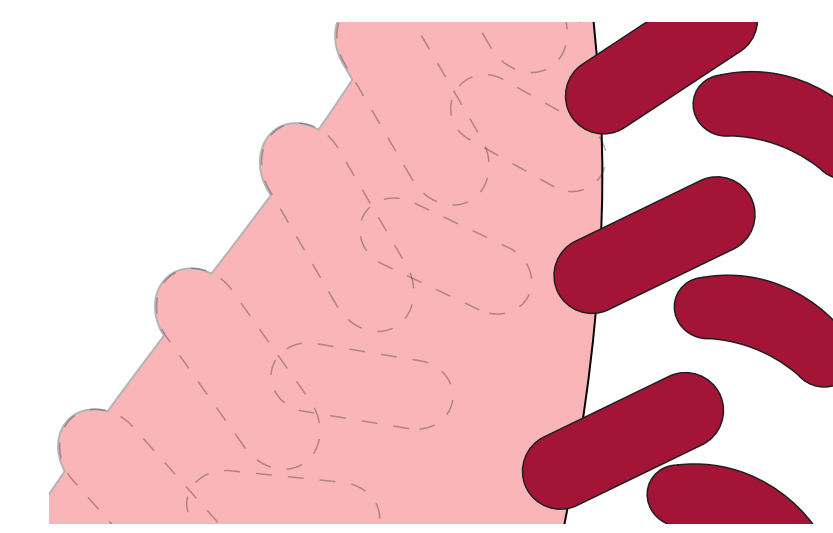
GENERAL NOTES

- A. MEASUREMENTS & LOCATIONS: Sign Contractor to field verify all measurements and conditions, and determine final sign locations with owner and RJM prior to creating shop drawings and/or digging the footing.
- B. DESIGN INTENT: Drawings display design intent. Sign Contractor to verify efficacy of fabrication and installation methods proposed with designer prior to creating shop drawings, methods proposed with designer prior to creating shop drawings.

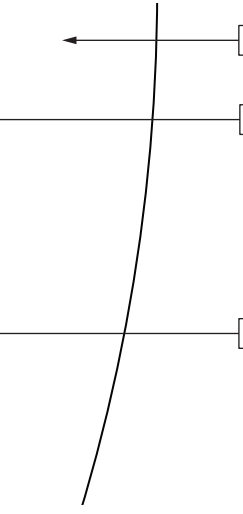
GENERAL NOTES

See previous General Notes for this sign type.

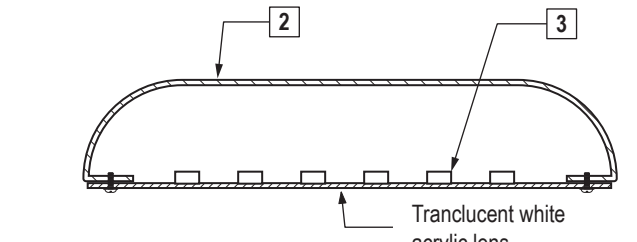
E NIGHT RENDERING
scale: N.T.S.



D THREAD DETAIL
scale: 3/4" = 1'-0"



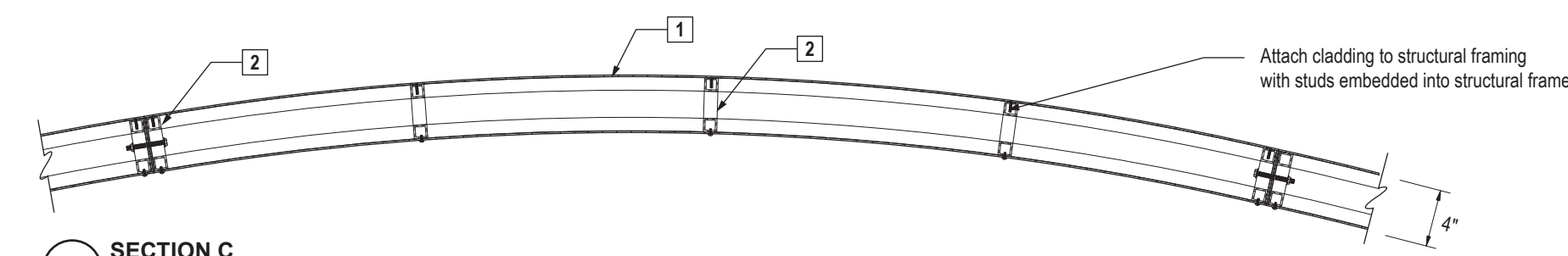
1 THREAD ELEVATION
scale: 3" = 1'-0"



2 THREAD SIDE ELEVATION
scale: 3" = 1'-0"

SIGN TYPE E03-B: SCULPTURE DETAILS

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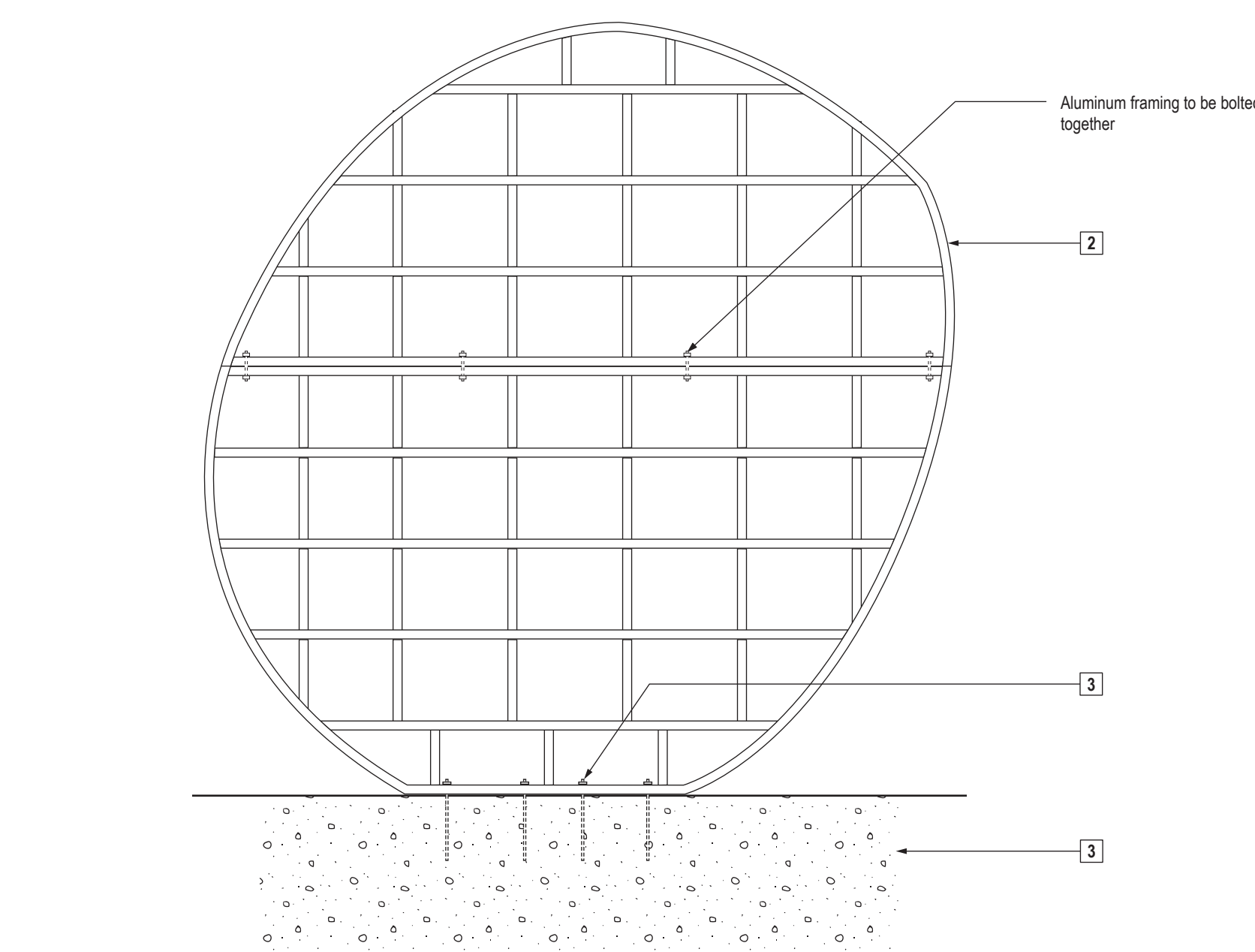


C SECTION C
scale: 1" = 1'-0"

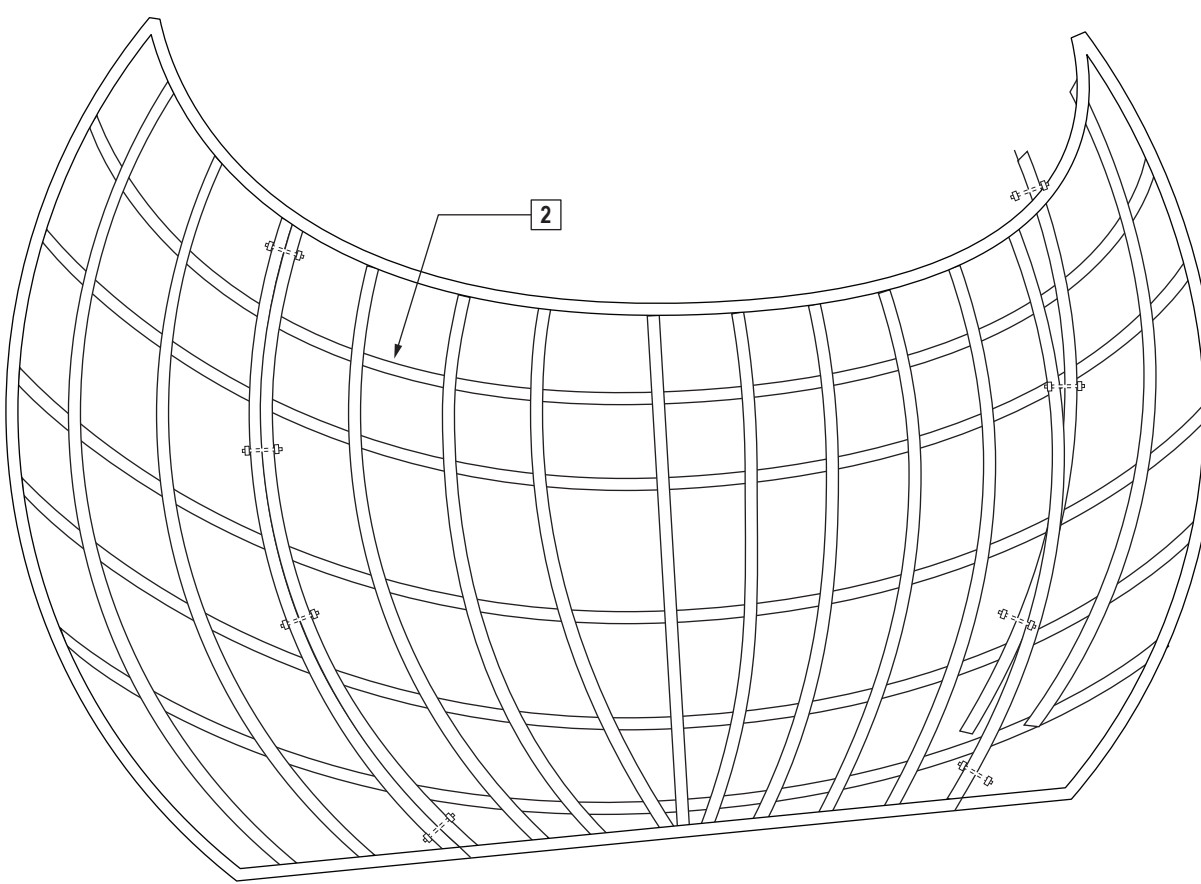
- NOTES – SIGN TYPE E03-B**
1. SCULPTURE: Fabricated sculpture with internal structural framing clad with aluminum or composite material.
 2. ALUMINUM FRAMING: Aluminum tubing for structural framing per engineering calculations.
 3. MOUNTING: Stainless steel threaded rods embedded into concrete.
 4. CONCRETE FOOTING: Poured in concrete footing as per engineering calculations.

GENERAL NOTES

See previous General Notes for this sign type.



A SECTION A
scale: 3/16" = 1'-0"



B SECTION B
scale: 3/16" = 1'-0"

SIGN TYPE E03-B: STRUCTURAL DETAILS

CONSULTANT

Selbert
Perkins
Design.

SELBERT PERKINS
432 Culver Blvd.
Playa Del Rey, CA 90293

ONTARIO SPORTS EMPIRE
CITY OF ONTARIO, CALIFORNIA

REVISIONS	DATE
1ST SUBMITTAL	02/03/25
ELEC. BD.	02/17/25
BID SET/ ELEC. ADD 1	03/03/25
ELEC. ADD 2	03/10/25
ADD 3	04/02/25
ADD 3-R	04/09/25

SHEET TITLE
SIGN TYPES
DETAILS

JOB #	761.17
DESIGNED	SPD TEAM
DRAWN	SPD TEAM
CHECKED	AO
DATE	4/01/2025

SHEET
W-13





SELBERT PERKINS
432 Culver Blvd.
Playa Del Rey, CA 90293

ONTARIO SPORTS EMPIRE
CITY OF ONTARIO, CALIFORNIA

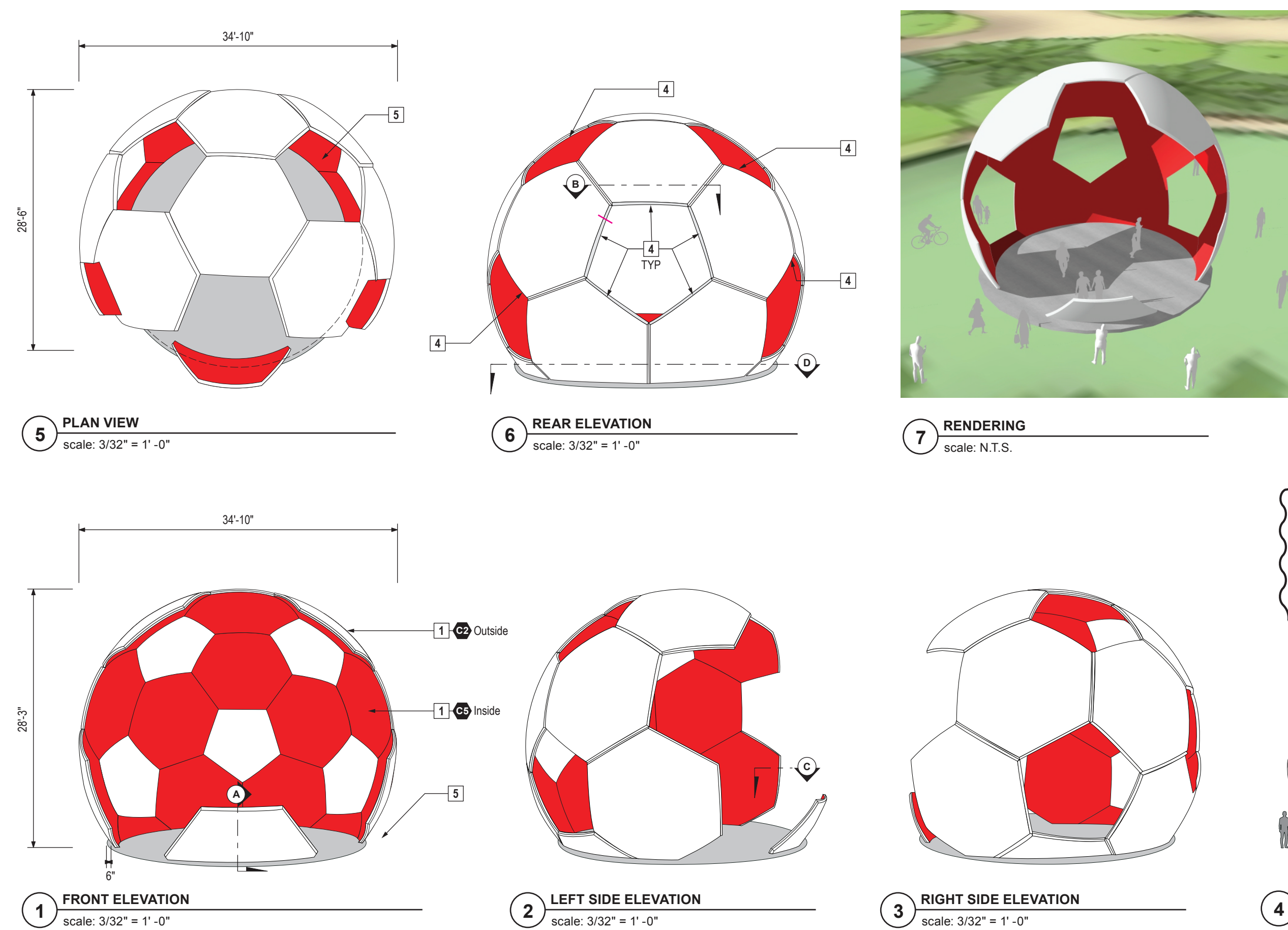
REVISIONS	DATE
1ST SUBMITTAL	02/03/25
ELEC. BD.	02/17/25
BID SET/ ELEC. ADD. 1	03/03/25
ELEC. ADD. 2	03/10/25
ADD. 3	04/02/25
ADD. 3-R1	04/09/25

SHEET TITLE
**SIGN TYPES
DETAILS**

JOB #	761.17
DESIGNED	SPD TEAM
DRAWN	SPD TEAM
CHECKED	AO
DATE	4/01/2025

SHEET
W-14

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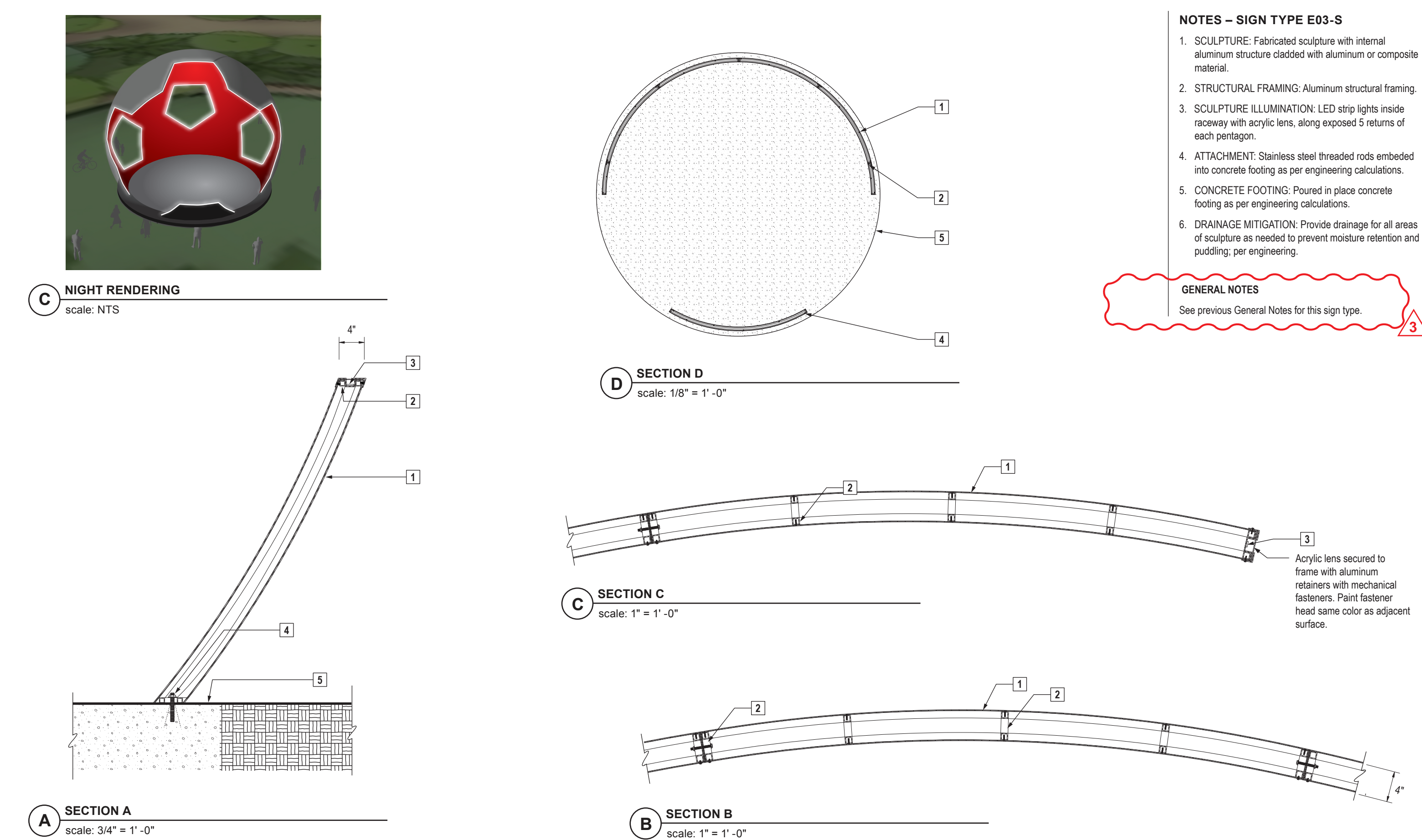


- NOTES – SIGN TYPE E03-S**
1. SCULPTURE: Fabricated sculpture with internal aluminum structure clad with aluminum or composite material.
 2. MOUNTING: Stainless steel threaded rods embedded into concrete footing as per engineering calculations.
 3. DOWN LIGHT ILLUMINATION: (2) LED uplights embedded into concrete footing.
 4. SCULPTURE ILLUMINATION: LED strip lights along exposed 5 returns of each pentagon & exposed edges of all heptagon panels.
 5. CONCRETE FOOTING: Concrete footing below ground as per engineering calculations.
 6. DRAINAGE MITIGATION: Provide drainage for all areas of sculpture as needed to prevent moisture retention and puddling; per engineering.

- GENERAL NOTES**
- A. MEASUREMENTS & LOCATIONS: Sign Contractor to field verify all measurements and conditions, and determine final sign locations with owner and RJM prior to creating shop drawings and/or digging the footing.
- B. DESIGN INTENT: Drawings display design intent. Sign Contractor to verify efficacy of fabricator and installation methods proposed with designer prior to creating shop drawings.
- C. APPROVED FABRICATORS: Approved sculpture fabricators include: Penwall (penwall.com), 3salty (3saltyfabrication.com), 3salty (3saltyfabrication.com), Design Communications (designcommunications.com), Creative Machines (creativemachines.com), CREO Industrial Arts (creoindustrialarts.com), Archetype (archetypeesign.com), WhiteClouds (whiteclouds.com), One Hat One Hand (onehatonehand.com), Engineered Artworks (engineeredartworks.com), Yesco (yesco.com)

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SIGN TYPE E03-S: SOCCER SCULPTURE



- NOTES – SIGN TYPE E03-S**
1. SCULPTURE: Fabricated sculpture with internal aluminum structure clad with aluminum or composite material.
 2. STRUCTURAL FRAMING: Aluminum structural framing.
 3. SCULPTURE ILLUMINATION: LED strip lights inside recessed acrylic lens, along exposed 5 returns of each pentagon.
 4. ATTACHMENT: Stainless steel threaded rods embedded into concrete footing as per engineering calculations.
 5. CONCRETE FOOTING: Poured in place concrete footing as per engineering calculations.
 6. DRAINAGE MITIGATION: Provide drainage for all areas of sculpture as needed to prevent moisture retention and puddling; per engineering.

GENERAL NOTES
See previous General Notes for this sign type.

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SIGN TYPE E03-S: STRUCTURAL DETAILS



SECTION 10 14 00**SIGNAGE****PART 1 - GENERAL**

1.01

- A. Drawings and general provisions of the Contract, including General Requirements, apply to this Section.

1.02 SUMMARY OF WORK INCLUDED

- A. Permits: Obtain all sign permits, including payment of fees, required by the City of Ontario for the installation of all exterior and interior signage and graphics for the Project.
- B. Sign Fabrication: Types of signs, messages, and graphics are indicated in the Drawings and herein, and require various materials, finishes, illumination and fabrication and installation techniques.
- C. Shop drawings, layouts, samples, and mock-ups for the OWNER'S approval.
- D. Structural design and calculations for all ground-mounted, exterior building-mounted, interior wall-mounted and ceiling-suspended signs to confirm structural integrity of the designed support connection. All structural connections will require certification by an Engineer licensed in the State of California.
- E. Installation of all fabricated signs, including all fasteners, fastenings and related electrical and data connections unless noted otherwise on Drawings.
- F. Coordination with all trades of this Contract required for the fabrication and installation of the signage, including the approvals by the OWNER required in this Section. Fabrication and installation of the Work in accordance with the latest edition-in-effect of: 1. National Electrical Code (NEC), 2. Underwriters Laboratory (UL), 3. National Fire Protection Agency (NFPA), 4. National Electrical Manufacturers Association Standards.
- G. Coordination and verification of all messages with the OWNER. OWNER is to provide a complete set of sign location plans with sample numbering system and electronic message schedule template for fabricator to complete sign message schedule for submission to and approval by the OWNER.
- H. Verification of all conditions and sign dimensions in the field. Sign Fabricator is to coordinate all signage requirements with the architectural, structural, mechanical, lighting, electrical, and telecommunications drawings to ensure that all proposed signs can be installed, with power and required data connections and structurally supported. Verification of conditions and sign dimensions must be completed prior to sign fabrication and approval of all required submittals.

- I. Sign Types and Quantities
The Sign Fabricator is responsible for verifying quantities with the OWNER and DESIGNER.

1.03 DESIGN CRITERIA

- A. Structural design: Details in the Drawings indicate a design approach for sign fabrication but do not necessarily include all fabricating details required for the complete structural integrity of the signs, including consideration for static, dynamic, and erection loads during handling, erecting, and service at the installed locations, nor do they necessarily consider the preferred shop practices of the individual sign CONTRACTORS. Perform complete structural design of the signs and to incorporate all safety factors necessary to protect the OWNER and their representatives, against public liability. Designs which meet rational engineering analysis will be acceptable, provided that shop drawings; including structural design, are approved by ARCHITECT. Connection details and structural calculations to be verified prior to any fabrication. Signs must meet all applicable local, State, and national codes, as well as testing laboratory listings where required.

1.04 SHOP DRAWINGS

- A. The Drawings presented for pricing are not fabrication drawings. Provide all details necessary to effectively explain and specify the fabrication process and the expected performance of the installed product. Demonstrate through details and specifications complete understanding of the desired final product and the method/process by which they are producing said product. Obtain field measurements prior to creating and submitting Shop Drawings. Repackaging the supplied Drawings with new title blocks and delivering, as submittals, will not be accepted. Although art may be supplied electronically, all graphic content to be created by the fabricator unless noted on the Drawings that the artwork will be provided.
- B. The Drawings represent the design intent for the signs required for the Project. Obtain proper engineering of all elements of the Work and where applicable, to include a set of wet stamped, signed engineering calculations by a licensed California Structural Engineer. The internal structure, dimensions, and specifications for all items shall be indicated in the Shop Drawings.
- C. Provide shop drawings for all items including, but not limited to the following:
 1. Complete fabrication and installation drawings for each sign type. Indicate dimensions, materials, finishes, fastening, anchorage, joining, sealing, backing, utility requirements, rough-in, and adjacent related site conditions.
 2. Each sign type with all graphic elements.
 3. Evacuation Map final graphics. The Drawings documentation will provide a template to be used for developing specific area plans and routes as coordinated with the DFS representative and Emergency Egress plans.
 4. All letter styles shall be accurately reproduced.
 5. Connections and routing for all power and data cabling.

1.05 SUBMITTALS

- A. Procedure:
 1. Define any actions requiring review by the OWNER.

2. First article of production-run items, both large and small, will be reviewed by the OWNER before production-run is commenced. Quantity and selection of first article items to be determined by OWNER, ARCHITECT, Selbert Perkins Design (SPD) and General CONTRACTOR prior to production.
- B. Submit physical samples of sufficient size and quantity to illustrate materials, finishes, equipment or workmanship, and to establish standards by which completed work will be judged. Samples shall represent the functional characteristics of the product or material, with integrally related parts and attachment devices, colors, and finishes.
- C. All samples to have a place for stamp approval.
- D. Required samples for review:
 1. Full 6" x 6" set of all specified paint colors and finishes.
 2. Complete, full-size message in each typeface to demonstrate proper spacing (black text on white background: outline not accepted).
 3. Each type of exposed metal used for major elements of work with the specified finishes in the Drawings.
 4. Mock-ups as scheduled in this Section. Mock-ups shall become the property of the OWNER and are not to be part of the completed work unless otherwise stated by the OWNER.
 5. Other items as may be required by the OWNER, as noted in the Drawings, or herein.
- E. Extra Materials/Spares: Deliver to the appropriate OWNER'S REPRESENTATIVE contact person, in manufacturer's original packaging and store at the Project as directed:
 1. Furnish (1) gallon of each finish paint color for touch-up purposes.
 2. Furnish (6) lamps of each type and size used in the signage (as applicable).
 3. Furnish spare keys to master keyed elements and access panels.
- F. Supplementary Product Literature: Submit for information. Furnish within seven (7) days of request, manufacturer's literature describing the general properties of each product to be used in the Work.
- G. Message Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
 1. When room numbers to appear on signs differ from those in the Drawings, include the drawing room number on schedule.
 2. When content of signs is indicated as "placeholder" or "to be determined", request such information from the OWNER and/or General CONTRACTOR at least 2 months prior to start of fabrication.
 3. Each sign must bear the latest confirmed copy by the OWNER prior to fabrication and installation.

1.06 QUALITY ASSURANCE

Mock-ups and Prototypes:

1. Provide a mock-up (partial for large Signs; complete for smaller Signs) of each sign type at the fabrication facility or on-site for review.
2. Utilize the same materials and installation methods in the mock-up as intended for the final Work. Schedule the installation so that the mock-up may be examined, and any necessary adjustments made, prior to commencing fabrication of the final Work. Replace unsatisfactory items as directed.

3. When accepted, mock-up shall serve as the standard for materials, workmanship, and appearance for the Work throughout the project.
- B. Work-In-Progress Approvals:
1. Provide work-in-progress sign elements reviews. Scheduled or unscheduled reviews at the Fabrication Facility may be initiated by the OWNER to ensure continued quality control and make adjustments required during fabrication. Correct unsatisfactory items as directed by the OWNER.
- C. Regulatory Requirements:
1. Comply with all applicable Regulatory Requirements. Obtain necessary approvals and permits from all governing authorities as required.
- D. Markings and Labels:
1. Locate markings, labels, manufacturer names and other identifications so as to be concealed from public view and as acceptable by the OWNER.
 2. No trade name or other identification shall appear on any item, visible to the public the public except as specifically approved by the OWNER in advance
- E. Final Location of Signs:
1. The location of signs as shown on the Location Plans is for general reference only and in some cases is not representative of the exact final location. Final locations of all signs and wall graphics shall be field-located in coordination with the OWNER.
 2. Sign Fabricator shall arrange for meetings at the Project site to accommodate direction of final locations according to Project Construction Schedule.
- F. Lettering:
1. Sign Fabricator shall be responsible for the quality control of all lettering. All letterforms shall be crisp, sharp, free of nicks, ragged edges and discontinuous curves. All lettering shall conform to approved typeface, stroke weight, letter spacing and kerning. No substitutions of typeface foundry, brand or version or implementation technique will be accepted without a prior written approval.
 2. Vinyl Graphics: All artwork shall be derived from electronic computer artwork for cutting on a Gerber Sign Maker II or approved equal.
 3. All cutting and routing shall be executed in such a manner that all edges and corners of finished letterforms are true and clean. Letterforms with rounded positive or negative corners, nicked, cut, or ragged edges, etc., will not be accepted. All letterforms shall be so aligned as to maintain a baseline parallel to the sign format. Margins must be maintained as specified in the Drawings.
 4. All Work under the Agreement shall be performed by skilled craftsmen under supervision of trained foremen, experienced in the trade of craft required to accomplish the Work and produce a product of high quality.
- G. Tactile Sign Messages
1. All tactile sign messages must comply with ADAAG 2010; Sections 703.2-703.4
 2. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised

- character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.
3. Per California (Title 24) Braille, braille dots within cells must be .10 inch apart, measured from the centers. Horizontal cell spacing must be .30 inch, measured between corresponding braille dots in adjacent cells. Vertical cell spacing must be between .395" and .40", measured between corresponding braille dots in stacked lines of braille. Braille dots themselves must be between .025 and .037 inches high with a base diameter between .059" and .063". Dots must be rounded or domed, be in a horizontal format, and be located below the corresponding text. The space between the raised text and the braille must be between 3/8 inch minimum and 1/2 inch maximum.
 4. Proof-reading of Braille messages is to be performed by the Sign Fabricator prior to fabrication and installation.
- H. High Quality of Workmanship:
1. Sign Fabricator shall be responsible for the high quality of all materials and workmanship required for the execution of the Project including materials and workmanship of any firm or individual who acts as Sign Fabricator's Sub-CONTRACTOR.
 2. Sign Fabricator shall be responsible for providing up-to-date drawings, specifications, sign location plans, signage schedule (message schedule), etc., to all sub-CONTRACTORS.
- I. Dimensions and Discrepancies
1. Sign Fabricator shall verify and be responsible for all dimensions and conditions shown in the Drawings. The shop drawings shall be approved by the OWNER prior to fabrication.
 2. Sign Fabricator shall notify the OWNER of any discrepancies in the Drawings (including discrepancies between written dimensions and scaled dimensions), in Sign Location Plans and/or Sign Message Schedule, in field-dimensions or conditions and/or changes required in construction details.
- J. Regulatory Requirements (To be in compliance with the latest version-in-effect of):
1. ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1
 2. California Building Code (CBC) and California Fire Code - Title 24
 3. California Public Safety Code - Title 19
 4. California Environmental Protection – Title 27
 5. National Association of Architectural Metal Manufacturers (NAAMM) "Metal Finishes Manual."
 6. American Welding Society (AWS) – AWS D1.1 "Structural Welding Code, Steel," and AWS D1.2 "Structural Welding Code, Aluminum."
 7. Underwriters Laboratories Inc. (UL) – Standards for Safety, UL Publication 48 "Electric Signs."
 8. United States Green Building Council (USGBC)
 - a. Leadership in Energy and Environmental Design (LEED): Green Building Rating System

1.07 GRAPHICS/ARTWORK

- A. OWNER to provide artwork templates in Adobe Illustrator (Mac-based) via electronic file transfer.
- B. Prepare final artwork for each and every sign, including all code-required evacuation maps. Maps are to be coordinated with the building emergency egress plans and approved by the Fire Inspector in charge of the Project and/or a DBS representative in charge of the project prior to fabrication.

1.08 MAINTENANCE

- A. Maintenance and Operating Manuals
 - 1. Submit four (4) copies of Maintenance and Operating Manuals to OWNER'S REPRESENTATIVE and 1 copy to the ARCHITECT.
 - 2. Furnish complete manuals describing the materials, devices and procedures to be followed in operating, cleaning and maintaining the Work. Include manufacturers' brochures and parts lists describing the actual materials used in the Work, including metal alloys, finishes, electrical components and other major components.
 - 3. Assemble manuals for component parts into single binders identified for each system.
- B. Instruction
 - 1. Prior to acceptance, establish with OWNER'S REPRESENTATIVE an instruction and training program for OWNER'S REPRESENTATIVE'S personnel.
 - 2. Notify OWNER'S REPRESENTATIVE in writing at least 7 days prior to commencement of the program providing an outline of topics indexed to the Maintenance and Operating Manual.
 - 3. Provide a trained instructor. Provide three (3) consecutive 4-hour periods of training scheduled during the normal 8-hour working day. Instruction and training shall include, but shall not be limited to, procedures to be followed in the normal day-to-day maintenance and operation of the Work.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Signage to be delivered to the job-site in a timely manner with complete protective coverings in place.
- B. Storage: Store signage and equipment at the job-site or other location as directed by the General CONTRACTOR.

PART 2 - PRODUCTS**2.01 MATERIALS**

- A. Metals
 - 1. Aluminum
 - a. Aluminum shall be suitable for ornamental, architectural work. Surface finish shall be smooth, free of extrusion marks or imperfections. Alloy shall be selected to meet the structural requirements of the specific application.
 - 2. Steel
 - a. Stainless Steel and Steel shall be suitable for ornamental and architectural work. Surface finish shall be smooth, free of all extrusion marks or imperfections. Alloy

shall be selected to meet the structural requirements of specific application. Structural metal for concealed framing shall be of galvanized rolled steel or equal as required to satisfy structural requirements.

- B. Aluminum interior plaques shall be constructed from 0.125 inch aluminum, #4 horizontal brushed finish with semi-gloss linear polyurethane clear coat, unless otherwise specified on the Drawings.
- C. Aluminum exterior cabinets, spacers, backplates and frames shall be constructed from 0.25 inch aluminum, #4 horizontal brushed and clear anodized finish unless otherwise specified on Drawings.
- D. Aluminum interior fabricated components shall be constructed from 0.125 inch thickness aluminum sheet.
- E. Adhesive used for installing Signs shall be manufactured by Dow Corning or equal. VHB, Polyfoam, or "Isotac" contact adhesive tape manufactured by 3M shall be used in conjunction with silicone adhesives for installation of wall signs, in minimum thicknesses available.
- F. Extruded aluminum shapes shall utilize 6063-T6 aluminum alloys, unless otherwise specified on the Drawings.
- G. Concrete installation of anchoring devices into concrete slab shall be adjusted to avoid penetrating existing reinforcing conduit, etc. contained in the concrete slab. Coordinate with the ARCHITECT, General CONTRACTOR and licensed Structural Engineer.
- H. Applied Vinyl: Electrocut characters from vinyl film of nominal thickness of 3 mils with pressure-sensitive adhesive backing, suitable for exterior applications. Applied vinyl shall be 3M Scotchlite Reflective Graphic Film Series, 3M Scotchcal Translucent and Opaque Graphic Films unless otherwise specified on the Drawings.
- I. Acrylic intended for non-illuminated use shall be 0.25 inch cast acrylic sheet with non-glare finish, unless otherwise specified on the Drawings. Acrylic intended for edge-illuminated use shall be .375 inch extruded acrylic sheet with embedded diffuser particles designed specifically for edge-lighting, unless otherwise specified on the Drawings.
- J. Use Plexiglas II as manufactured by Rohm and Haas Co., or as approved equal. Thickness shall be as indicated on the Drawings or not less than 1/8" thick. Signage Fabricator shall provide color and finish samples of all plastics for approval prior to fabrication; no substitution in color, thickness, or finish of plastics will be accepted without written approval from the OWNER. All plastics shall be of uniform color, translucence and illumination, as supplied by the manufacturer. Any exposed edges of acrylic shall be flame-polished or sanded smooth so as no saw-tooth marks are visible.
- K. Decal or Transfer: Provide special printed paper or vinyl suitable for reproducing the design onto material indicated, as required. Submit sample to ARCHITECT.
- L. Aluminum posts shall be constructed from 2-inch square T52 tubes, 0.1875 inch wall thickness and #4 brushed and clear anodized finish with capped ends, unless otherwise specified on the Drawings.

- M. Hardware / Hinges: Provide and install all incidental hardware necessary for the proper functioning of the all signs, including, but not restricted to, materials and products covered in this section. Provide stainless steel hinges for all hinged access panels. Provide pin tumbler locks for all access panels requiring locks. Provide stainless steel fasteners for assembling ferrous and non-ferrous metals.
- N. Bolts, nuts, screws, washers, anchors and other devices required to complete the Work. Signage Fabricator shall use the same basic metal or alloy as the metal being fastened to, and finish to match in color and texture. Use stainless steel 300 series alloy where used to join dissimilar materials.
- O. All exposed fasteners to be 0.125 inch tamper-resistant flathead stainless steel screws painted to match adjoining surfaces unless otherwise specified on the Drawings.
- P. Pin-mount supports shall be 3/16 inch to 1 inch diameter painted threaded rods.
- Q. Insulation/Material Isolation: Separate all ferrous and non-ferrous metals with non-conductive gaskets to prevent electrolysis. In addition to gaskets, provide stainless steel fasteners for some cases as required. Where metal surfaces will be in contact with dissimilar materials, coat the surfaces with epoxy paint or plate with zinc chromate, or provide other means of dielectric separation as recommended by the manufacturer to prevent galvanic corrosion (e.g., Neoprene gasket as an isolation membrane).
- R. Welding Electrodes and Filler Metal: Provide the alloy and type of welding electrodes and filler metal required for strength, workability, compatibility and color-match after grinding smooth and finishing the fabricated product.
- S. Additional Materials and Processes: For materials or processes described in the preceding list, the material and/or process as detailed on the Drawings shall be used if they meet or exceed equivalent.

2.02 ELECTRICAL COMPONENTS

- A. Electrical components shall conform to the applicable Electrical Codes in effect and the following:
 - 1. All materials shall be approved and listed by Underwriters Laboratories, Inc.
 - 2. Light Emitting Diode (LED) general lighting requirements:
 - a. Provide sufficient LED wattage, quantities and spacing to ensure continuous, maximum illumination.
 - b. Provide LED lighting prototypes in mock-ups to verify brightness and uniformity of lighting.
 - 3. LED lighting component, color and power requirements:
 - a. Edge-lighting – fabricated linear white LEDs 24 VAC
 - b. Back- lighting – fabricated matrix white LEDs 24 VAC
 - 4. Heavy-duty, non-keyed, flush-mounted, fused or un-fused disconnects. Provide NEMA 1 for dry locations and proper enclosure for others.
 - 5. Digital Screens:
 - a. Make/Model, or approved equal.
 - 6. Media Player:
 - a. Make/Model, or approved equal.
- B. Electrical Wiring and Equipment: Provide and install electrical materials such as ballasts, transformers, lamps, sockets, neon units, connectors, and all other equipment which shall

be new and shall be approved by Underwriters Laboratories, Inc. The assembly of all components within the illuminated signs shall conform to all standards of Underwriters Laboratories, Inc. as published in the latest edition of "Standards for Sign Safety" and all illuminated signs shall bear the U.L. label. All wiring and equipment shall be concealed within the Sign structure.

- C. Conduit and Devices: Provide rigid steel conduit, junction boxes and associated devices in accordance with applicable codes as required.
- D. Wiring: Minimum #12 AWG copper shall be used. High-tension wiring shall not be less than GTO 15 wire as manufactured by Carol Cable Company, or approved equal. All wiring shall be AWM 90 0 centigrade 1000 volt TW/MTW U.L. file no. 18971. Wiring connectors for wire splicing shall be U.L. approved 1000 volt capacity and shall be Scotch Lock type Y or R or equal. All splices should be easily accessible for inspection and should be shown on Shop Drawings.
- E. Ballasts shall be used as required for internally illuminated cabinet signs, in quantity and arrangement as recommended by ballast manufacturer and accessible for maintenance and shown on Shop Drawings.
- F. Disconnect Switch: All Signs or Sign components with electrical service shall be equipped with an approved external disconnect switch, flush mounted on the cabinet / Sign, with circuits and capacity to control all primary wiring within the Sign. Location of switch shall be shown on Shop Drawings and is subject to approval.
- G. Illumination: All Signs with fluorescent fixtures shall utilize minimum 800 milliamp T8 output cool white fluorescent lamps at the length and placement necessary to provide even illumination without light leaks, unless otherwise specified on the Drawings. All Signs with LED light sources shall be built to perform as specified on the Drawings. Provide specification information required to verify performance. Provide lamps, ballasts, waterproof flush access panel(s), and conceal wherever possible. Provide conduit wiring and electrical equipment from the field electrical connection to any part of the sign and within the sign.
- H. Ventilation: While maintaining a proper weather seal, provide for sufficient ventilation of sign components to prevent overheating or warping; allowing for color of sign, mounting surface, climate conditions, etc. In providing for ventilation, protect sign from elements (rain, wind, debris, etc.) that may cause operational or cleaning problems. Signs/cabinets with light leaks will not be accepted. Utilize stainless steel bug mesh screen for integration with weep holes or vent / louvers on the Signs to prevent insect migration into illuminated Signs.

2.03 FINISHING MATERIALS

- A. Linear Polyurethane Coatings: Provide the following, or other products as acceptable.
 - 1. Acrylic Linear Polyurethane enamel: Two components, acrylic aliphatic isocyanate / acrylic polyurethane having ultraviolet (UV) inhibitors and engineered for exterior application by Matthews Paint Company or approved equal.
 - 2. Primer for Aluminum: Two part component primer: One-coat Matthews 74-734 and 74-735 Metal Pretreat at .25 mils dry film thickness or one-coat Matthews 74-793 Spray Bond at .15 to .25 mils dry film thickness or Wyandotte / AKZO Grip-Guard Wash Primer (2Afy-31284) with Grip-Guard Wash Primer Hardener (10AFK-31285) combined and applied per manufacturer's specifications or approved equal (primer) for the application of the pre-approved and pre-formulated paint system.

3. Primer for Steel: Two part component primer: One-coat Matthews 74-734 and 74-735 Metal Pretreat at .25 mils dry film thickness or Wyandotte / AKZO Grip-Guard Wash Primer (2AFy-31284) with Grip-Guard Wash Primer Hardener (10AFK-31285) combined and applied per manufacturer's specifications or approved equal (primer) for the application of the pre- approved and pre-formulated paint system.
 4. Clear Sealers: Matthews Acrylic Polyurethane (MAP) Clearcoats By Matthews Paint Co. or approved equal and applied per manufacturer's specifications. Clear coats are to be graffiti-resistant and protect the signs from the elements and provide an additional barrier against impacts, abrasion, hail, sand, salt, grit and chemicals.
- B. Anodized Aluminum Components / Panels: If required, Signage CONTRACTOR shall provide anodized (application of aluminum oxide film coating in clear or colored dye finish) aluminum panels or parts to match Executive ARCHITECT'S color, grain, finish and specifications.
 - C. Silk Screening Materials: Provide photo-processed screening, arranged to furnish sharp and solid images without edge build-up or bleeding of the coating. Pattern-cut screens may be used for non-repeat copy, provided that final image copy is equal to photo-screen quality. Provide only weather-resistant coating materials, compatible with the intended substrates. All silk-screened graphics are to be done with the finest screen size feasible for sharp, even reproduction.
 - D. Acid-etched Graphics and Typography: Acid-etched typography and graphic imagery must be no more than 1/16" deep (unless otherwise noted on the Drawings), with clean, crisp, sharp edges; ragged or soft (polished out) edges will be rejected. Acid baths used for etching should be fresh and used in an environment and temperature that will provide the highest quality etched images.
 - E. Vinyl Die-Cut and Pattern Cut-out Graphics: Use Scotchcal Opaque and Translucent film and Scotchcal Diamond Grade VIP Reflective film manufactured by 3M where specified. Use pressure-sensitive, non-yellowing, non-peeling and weather resistant vinyl as specified. Use approved fonts and equipment as specified.

PART 3 - EXECUTION

3.01 FABRICATION

- A. Signage shall be complete for proper installation as described on the Drawings.
- B. Finished work shall be firm, well-anchored, in true alignment, properly squared, with smooth, clean and uniform appearance, without holes, cracks, discoloration, distortion, stains, or marks.
- C. Construct all work to eliminate burrs, dents, cutting edges, and sharp corners; ease all exposed metal edges.
- D. Finish welds on exposed surfaces to be imperceptible in the finished Work.
- E. Except as indicated on the Drawings or directed otherwise, finish all surfaces smooth.
- F. Surfaces, which are intended to be flat, shall be without dents, bulges, oil canning, gaps, or other physical deformities.

- G. Surfaces, which are intended to be curved, shall be smoothly free flowing to required shapes.
- H. Except where approved otherwise by the OWNER, conceal all fasteners.
- I. Make access panels tight-fitting, light-proof, and flush with adjacent surfaces.
- J. Conceal all identification labels and Underwriters Laboratories (UL) labels to conform to Underwriters Laboratories Codes.
- K. Follow manufacturer's recommended fabricating procedures regarding expansion or contraction, fastening, and restraining of acrylic and/or plastic.
- L. Exercise care to ensure that painted, polished, and plated surfaces are unblemished in the finished Work.
- M. Isolate dissimilar materials. Exercise particular care to isolate nonferrous metals from ferrous metals.
- N. All illumination shall be even and without hot / dark spots.
- O. Provide miscellaneous metal items required for completion of the Work even if they are not shown or specified on the Drawings.
- P. Refer to the Drawings for sign color specifications.
- Q. Paint finishes shall be Matthews Acrylic Polyurethane with Matthews Primers and Metal Pre-Treatments or OWNER-approved equal.
- R. **Specialty Large Custom Sculpture:**
 - 1. **Preferred Fabricator for sign types E03-B, E03-S & E03-W:**
 - a. **3sixty Fabrication - 3sixtyfabrication.com**
 - b. **Archetype - archetypesign.com**
 - c. **Creative Machines - creativemachines.com**
 - d. **CREO Industrial Arts - creoindustrialarts.com**
 - e. **Design Communications Ltd - designcommunicationsltd.com**
 - f. **Engineered Artworks - engineeredartworks.com**
 - g. **One Hat One Hand - onehatonehand.com**
 - h. **Penwal - penwal.com**
 - i. **White Clouds - whiteclouds.com**
 - j. **Yesco - yesco.com**
 - k. **Owner approved or equal.**

3.02 SIGNS AND SUPPORTS

- A. General: Provide custom manufactured Sign assemblies, components completely fabricated and finished at the fabrication shop before delivery to the Project site. Construct to accurate detail and dimensions as shown on the Drawings and as reviewed on approved Shop Drawings. Fit and assemble the Work at the shop and mark the components as required to facilitate assembly during installation. Exposed fasteners on finished faces will not be allowed, unless specifically indicated on the Drawings. Waviness and oil canning of surfaces is not acceptable. Minimum material thickness is to be 0.090 inches. Conceal

wiring, conduit and other electrical components within sign enclosures; any exposed conduit and electrical components shall be finished to match adjacent surfaces upon request by the OWNER at no additional charge.

- B. Lettering: Cut and rout in a manner to produce true and clean edges and corners of finished letterforms. Letterforms having rounded positive or negative corners, nicked, cut, or ragged edges are not acceptable. Align letterforms to maintain a baseline parallel to the sign format. Maintain margins as indicated on the Drawings.
- C. Seams and Joints: Cut walls and floors carefully, and neatly repair them in an acceptable manner. Consult the ARCHITECT and General CONTRACTOR in cases where cutting into a structural portion of the building is required so that satisfactory reinforcement may be provided. Added joints shall be ground-filled and finished flush and smooth with the adjacent work; such seams shall be invisible after final finish has been applied. Spot-welded joints shall not be visible on exterior of signs after final finish has been applied. No gaps, light leaks, waves, or oil canning will be permitted in the Work. If any of these are evident, correct the Work or construct a new Sign.
- D. Metal Signs and Supports: Fabricate exposed surfaces uniformly flat and smooth, without distortion, pitting, or other blemishes. Form exposed metal edges to a smooth radius. Permanently bond the laminated metal components and honeycomb core with adhesive or sealant in accordance with product manufacturer's recommendations. Grind exposed welds and rough areas to make flush with adjacent smooth surfaces.
- E. Welding: Make welds continuous. Comply with American Welding Society, Aluminum Association, and Copper Development Association standards for the type of metals used.
- F. Fasteners: Use exposed fasteners only if shown on the Drawings. Perform drilling and tapping at the Shop, and countersink adjoining surfaces for tamper-resistant flathead stainless steel machine screws; paint and finish all exposed surfaces same as background.
- G. Castings: Exposed surfaces shall be uniformly free from porosity and roughness. Edges shall be filled and ground smooth. Faces shall be chemically etched and mechanically polished for the finishes as specified on the Drawings.
- H. Galvanizing: Steel components in exterior construction and where noted on the Drawings shall be galvanized. Complete the shop fabrication prior to application of the zinc coating. Remove mill scale and rust, clean and pickle the units as required for proper pretreatment of the surfaces.
- I. Hardware: Provide all incidental hardware necessary for the proper functioning of signs. External hardware shall conform to the external appearance of the Sign.
- J. Supports and Backing in Walls: Provide engineered Sign supports anchored to building structure where required and to meet requirements of applicable building codes. Support or backing-requiring installation within the building wall construction shall be immediately relayed to and reviewed by the ARCHITECT and/or General CONTRACTOR for field coordination.
- K. Access Doors and Frames: Access doors and frames shall be flush with the material in which they occur, unless otherwise specified. Access doors and frames shall be provided upon prior written approval of the ARCHITECT. Each trade providing access doors and frames shall verify the need for fire rated doors on the Construction Drawings. Access

doors in walls, partitions or ceilings shall bear UL fire rated labels of same fire rating. If access doors and frames are required to be exposed to view, they shall be chrome, brass, stainless steel, or other finish to match other finishes in the spaces in which they are to be installed, unless otherwise specified. Obtain ARCHITECT'S approval for location of each access door prior to placement.

3.03 SHOP APPLICATION OF SIGN FINISHES

- A. Sign Graphics: Provide the letters, numerals, symbols, and other graphics markings, using the finish materials shown. Apply the graphics neatly, uniformly proportioned and spaced, and accurate within the dimensions indicated. Prepare the substrate surfaces and apply finish materials in accordance with manufacturers' instructions.
- B. Metal Finishes: Remove scratches, abrasions, dents and other blemishes before applying finish. Apply the following to the fabricated Work, with texture and reflectivity as required to match the ARCHITECT'S sample. Non-glare finish on all sign faces.
- C. Linear Polyurethane Finishes: Clean the surfaces as required for proper adhesion of coatings. Use 3M "Scotch Brite" pads with cleanser and water, and/or chemically treat as recommended by paint manufacturer to remove deleterious film or residue.
- D. Linear Polyurethane Paint: Provide pretreatment and primer in accordance with manufacturer's recommendation. Add ultra violet inhibitors to paint subject to sunlight exposure.
- E. Clear Linear Polyurethane Finish: Provide pretreatment, primer, and matte or semi-gloss finish coatings in accordance with manufacturer's recommendations. Apply 1.5 to 2.0 mils (0.0375 to 0.050 mm) dry film thickness.

3.04 GRAPHIC APPLICATION

- A. Preparation: Surfaces to receive the graphic markings shall be clean, dry, and otherwise made ready for application of the materials. Accurately measure and lay out the required marking configurations as indicated on drawings.
- B. Vinyl Die-cut and Pattern-cut Graphics: Use pressure sensitive, non-yellowing, non-peeling and weather resistant vinyl adhesive letters or images, custom flood coated as required, die cut from ScotchCal or ScotchLite as manufactured by 3M Company. Apply in strict accordance with manufacturer's instructions. Make uniformly smooth and free from bubbles, wrinkles, stretching and blemishes.
- C. Painted or Silk-screened Graphics: All graphics shall be applied using photo processed screens from camera ready art, arranged to furnish sharp and solid images without build-up or bleeding of the coating. Comply with coating manufacturer's application instructions. Provide proper type of primer to suit each substrate and obtain a permanent bond. Verify compatibility of each substrate with the coatings to be used in the Work. Apply the markings with neat edges, minimum 3 mils (0.075 mm) dry film thickness and as required to obtain solid markings without voids.
- D. Acid-Etched Graphics and Typography: Acid-etched typography and graphic imagery must be a minimum of 1/16" deep, with clean, crisp, sharp edges; ragged or soft (polished out) edges will be rejected. Acid baths used for etching should be fresh and used in an environment and temperature that will provide the highest quality etched images. Colorfill as

indicated by the color and finish schedule, keeping inks and fills true to the edges of letterforms / graphics.

3.05 VERIFICATION OF CONDITIONS

- A. Inspect all surfaces to receive signage and report all defects which would interfere with signage installation.
- B. Starting Work implies acceptance of surfaces as satisfactory
- C. Verify all conditions and sign dimensions in field. Review and study architectural, landscape, lighting, electrical and related plans to ensure that all proposed signs can be installed and supported. Verification of conditions and sign dimensions to be completed prior to sign fabrication and reviewed with the ARCHITECT.

3.06 INSTALLATIONS

- A. Install signage upon acceptance by the OWNER of material and completion of job site area to receive such materials.
- B. Special Precautions: Guard against damaging existing wall surfaces, pavements and planting where signage is to be installed.
- C. Footings beneath topping surface shall be installed and located prior to top surface installation.
- D. Prior to installation, check all components, nuts, bolts, and other connections for proper alignment, fit and any damage. Replace damaged or defective components.
- E. Prior to installation, confirm all electrical locations and requirements with ARCHITECT.

3.07 CLEAN UP

- A. Keep areas of work clean, neat and orderly at all times. Clean surfaces, inside and out. Use approved cleaners if necessary to remove dirt.
- B. Protective coverings and strippable films shall be removed at a time that will afford the greatest protection of the signage. Surfaces shall be cleaned to remove excess glazing and sealant compounds, dirt, and other substances.
- C. Upon completion of work and before final acceptance, remove tools, surplus materials, apparatus, and debris from the site. Leave the site in a neat, clean condition. Wash, clean, and leave paved areas without stains.

3.08 FINAL INSPECTION AND ACCEPTANCE

- A. Upon completion of work, a final inspection for acceptance will be performed by ARCHITECT.
- B. All mock-ups and unused submittals shall be removed from site prior to final acceptance.

Submit operation manuals, tools, and keys as specified in this Section.

End of Section