



WAR MEMORIAL FIELD IMPROVEMENTS PHASE I

ADDENDUM NO. 2

DATE: March 6, 2020

BID OPENING: Thursday, March 12 @ 2:00:00 P.M.

PAGES: Addendum (3 pages)
Bid Form (10 pages)
Drawings (2 sheets)

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Acknowledge receipt of this Addendum by inserting its number and date on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies the Contract Documents as follows:

PART 3, BID FORM

Replace Bid Form in its entirety.

A summary of the changes is as follows:

- Bid Item SP27.4.8.A, Baseball Foul Pole w/Turf Access Box on Page 7 of 10 has been deleted. This pay item was redundant to Bid Item SP27.4.7.A, Baseball Foul Pole w/Turf Access Box on Page 8 of 10 and should have been deleted with Addendum No. 1.
 - Bid Item SP27.4.9.A, Baseball Foul Pole w/Concrete Access Box on Page 7 of 10 has been deleted. This pay item was redundant to Bid Item SP27.4.8.A, Baseball Foul Pole Outside Turf Mount on Page 8 of 10 and should have been deleted with Addendum No. 1.
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PART 7, SPECIAL PROVISIONS

SP-3 SYNTHETIC TURF BASE COURSES AND DRAINAGE SYSTEM

PART 1 – GENERAL

Modify paragraph 1.2.C.1.b. as follows:

- b. Permeability of ~~60~~ **30** inches per hour.

Modify paragraph 1.2.D.4.a.1.b. as follows:

1. Permeability of ~~60~~ **30** inches per hour.

PART 2 – PRODUCTS

Replace the first paragraph of 2.1.A. as follows:

2.1 PERIMETER DRAINAGE TRENCH SEPARATION BARRIER

- A. The drainage trench soil subsurface is to be isolated from the installed field and drainage system above it **and the adjacent cement treated base** with a geotextile/geomembrane placed **as indicated on the Contract Drawings across the entire surface of the field**. This ensures no mixing of the soil sub surface with the aggregate drainage system.

SP-6 CHAINLINK FENCES AND GATES

PART 2 – PRODUCTS

Modify Section 2.3 as follows:

2.3 STEEL FENCE FRAMEWORK

- A. Round Steel Pipe and Rail: ASTM 1043 Group ~~IA~~ **IC** Heavy Industrial Fence Framework, schedule ~~40~~ **80** hot dipped galvanized pipe per ASTM F0183. Exterior hot dipped zinc coating minimum average 1.8oz/ft². Regular Grade Strength.

Table 1:

Revise Football Security Netting Post to read as “Football Safety Netting Post (30ft. Ht. Above Grade), Footing Depth – 10’-6”, Footing Diameter – 36-inch, Line Post – 8-5/8” O.D., End Post - N/A, Terminal Post – N/A”.

Revise Baseball Backstop Netting Post Footing Depth to 13’-6” and Line Post size to 12-3/4” O.D.

Revise Softball Backstop Netting Post Footing Depth to 13’-6” and Line Post size to 12-3/4” O.D.

SP-14 FIELD SPORTS LIGHTING

PART 2 – PRODUCTS

Replace 2.1.C.1 as follows:

2.1 SPORTS LIGHTING SYSTEM CONSTRUCTION

C. System Description: Lighting system shall consist of the following

1. Galvanized steel poles and cross-arm assembly. ~~Poles shall have climbing steps, safety cable, and a maintenance platform at the top.~~

PART 8, CONSTRUCTION DRAWINGS

*Modify Northings and Eastings Points Schedule on Sheet L2.0 as follows (changes noted in **bold, italic**):*

<u>Point</u>	<u>Description</u>	<u>Northing</u>	<u>Easting</u>
34	Football Field	<i>N 2406887.84</i>	<i>E 2427507.58</i>
<i>71</i>	<i>Football Protection Post</i>	<i>N 2406907.57</i>	<i>E 2427567.76</i>
<i>72</i>	<i>Football Protection Post</i>	<i>N 2406907.24</i>	<i>E 2427607.76</i>

Replace Keynote 2 on Detail 3, Backstop Netting Post, Sheet L6.3 to read as follows:

“Galvanized Steel Pipe (30’ Softball post height, 40’ Baseball post height) See Structural Detail 3/S4.1.” Replace Footing Depth and Post Size reference “12’-6” min. @...” to read as “See Structural Detail 3/S4.1 Typ Backstop Post Detail”.

Replace Label of Detail 5/L6.3 on Sheet L6.3 to read as follows:

“Backstop End Post/Football Safety Post Winch Rigging”.

Replace Sheet S0.1 General Notes in its entirety with Revised Sheet S0.1.

Replace Sheet S4.1 Details in its entirety with Revised Sheet S4.1.

END OF ADDENDUM NO. 2

BID FORM
City of Sandpoint
War Memorial Field Improvements, Phase I

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

City of Sandpoint
1123 Lake Street
Sandpoint, ID 83864

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Advertisement, Instructions to Bidders, and Bidding Documents, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-5.03 as containing reliable "technical data," and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-5.06 as containing reliable "technical data."
- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance

- of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- F. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, test, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder safety precautions and programs incident thereto.
 - G. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
 - H. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
 - I. Bidder has given Owner written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Owner is acceptable to Bidder.
 - J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Price
2010.4.1.A.1.	Mobilization	LS	1	LUMP SUM	\$ _____
1103.4.1.A.1	Traffic Control	LS	1	LUMP SUM	\$ _____
1001.4.1.A.1	Construction Site Management	LS	1	LUMP SUM	\$ _____
201.4.1.C.1	Removal of Obstructions	LS	1	LUMP SUM	\$ _____
201.4.1.E.1	Remove Existing Chain-link Fencing	LF	150	\$ _____	\$ _____
201.4.1.D.1	Removal of Existing Asphalt	SY	180	\$ _____	\$ _____
201.4.1.A.1	Clearing and Grubbing – (8-Inch) Depth	CY	3,850	\$ _____	\$ _____
202.4.1.E.1	Excavation & Haul Offsite	CY	7,000	\$ _____	\$ _____
202.4.1.F.1	Unsuitable Material Excavation & Haul Offsite	CY	1,000	\$ _____	\$ _____
202.4.1.G.1	Field Rough Grading / CTB Prep	SY	16,500	\$ _____	\$ _____
202.4.6.A.1	Borrow	CY	1,200	\$ _____	\$ _____
706.4.1.E.1	Concrete Sidewalks, Thickness 4-inches	SY	15	\$ _____	\$ _____

706.4.1.A.1	6-Inch Vertical Curb (No Gutter)	LF	20	\$ _____	\$ _____
801.4.1.A.1	1-inch Minus Uncrushed Aggregate Base	CY	1,200	\$ _____	\$ _____
303.4.1.A.1	Exploratory Excavation (Non-Groundwater)	HR	16	\$ _____	\$ _____
401.4.1.C.1	Water Service Line (2-inch) HDPE	LF	850	\$ _____	\$ _____
601.4.1.A.1	(18-Inch) Storm Drain, PS46 ASTM F679	LF	245	\$ _____	\$ _____
602.4.1.A.1	Storm Drain Manhole	EA	1	\$ _____	\$ _____
704.4.1.F.1	Precast Concrete Stormwater Outfall	EA	1	\$ _____	\$ _____
810.4.1.A.3a	Plant Mix Pavement, 2-Inch Thickness (Includes Base)	SY	330	\$ _____	\$ _____
810.4.1.A.3b	Plant Mix Pavement, 4-Inch Thickness (Includes Base)	SY	30	\$ _____	\$ _____
1006.4.1.B.1	Riprap Slope & Outlet Protection	SY	25	\$ _____	\$ _____
SP2.4.1.A.1	Portland Cement for Cement Treated Base	TON	610	\$ _____	\$ _____
SP2.4.1.B.1	Cement Treated Base (CTB)	SY	16,500	\$ _____	\$ _____
SP3.4.1.A.1	Synthetic Turf – Base Course	CY	6,160	\$ _____	\$ _____
SP3.4.1.B.1	Synthetic Turf – Top Course	CY	1,230	\$ _____	\$ _____
SP3.4.1.C.1	Field Drain Pipe – (12-Inch) Perforated Flat Drain	LF	9,810	\$ _____	\$ _____
SP3.4.1.D.1	Field Drain Pipe – (12-Inch) Perforated Pipe	LF	315	\$ _____	\$ _____
SP3.4.1.E.1	Field Drain Pipe – (18-Inch) Perforated Pipe	LF	395	\$ _____	\$ _____

SP3.4.1.F.1	Field Drain Basin	EA	1	\$ _____	\$ _____
705.4.1.A.1	Concrete Flatwork Pavement, (4-inch) Thickness	SF	160	\$ _____	\$ _____
703.4.1.D	Install Concrete Footing for Future Phase II Dugout Construction	EA	4	\$ _____	\$ _____
703.4.1.E.1	Install Turf Edge - Type I	LF	30	\$ _____	\$ _____
703.4.1.F.1	Install Turf Edge – Type II	LF	585	\$ _____	\$ _____
703.4.1.G.1	Install Turf Edge – Type III	LF	200	\$ _____	\$ _____
703.4.1.H.1	Install Turf Edge – Type V	LF	60	\$ _____	\$ _____
703.4.1.I.1	Install Turf Edge – Type VI	LF	165	\$ _____	\$ _____
703.4.1.J.1	Install Turf Edge – Type VII	LF	65	\$ _____	\$ _____
SP7.4.1.A.1	Install Festival Tent Anchors w/ Helical Piers	EA	6	\$ _____	\$ _____
704.4.1.E	Construct Precast Festival Tent Concrete Ballast Weights	EA	22	\$ _____	\$ _____
SP8.4.1.A	Install (2-Inch) Irrigation System Point-of-Connection (P.O.C.)	LS	1	\$ _____	\$ _____
SP8.4.2.A	Install (2-Inch) Irrigation Mainline	LF	1,560	\$ _____	\$ _____
SP8.4.3.A	Install (6-Inch) PVC Irrigation Sleeve	LF	20	\$ _____	\$ _____
SP8.4.4.A	Install Quick Coupler w/ Turf Box	EA	10	\$ _____	\$ _____
SP8.4.5.A	Install Isolation Valve w/ Turf Box	EA	5	\$ _____	\$ _____
SP8.4.6.A	Re-Connect Existing Irrigation Circuit Piping	LS	1	\$ _____	\$ _____

SP4.4.1.A.1	Install Synthetic Turf System	SF	144,200	\$ _____	\$ _____
SP6.4.1.A	6ft Ht. Galvanized Chain-link Fence	LF	8	\$ _____	\$ _____
SP6.4.2.A	8ft Ht. Galvanized Chain-link Fence	LF	320	\$ _____	\$ _____
SP6.4.3.A	12ft Ht. Galvanized Chain-link Fence	LF	149	\$ _____	\$ _____
SP6.4.4.A	6ft Ht. x 16ft Wide Double Swing Chain-link Gate	EA	1	\$ _____	\$ _____
SP6.4.5.A	8ft Ht. x 4ft Wide Single Swing Chain-link Gate	EA	3	\$ _____	\$ _____
SP6.4.6.A	8ft Ht. x 14ft Wide Double Swing Chain-link Gate	EA	1	\$ _____	\$ _____
SP6.4.7.A	8ft Ht. x 8ft Wide Double Swing Chain-link Gate	EA	2	\$ _____	\$ _____
SP6.4.8.A	12ft Ht. x 14ft Wide Double Swing Chain-link Gate	EA	1	\$ _____	\$ _____
SP6.4.9.A	12ft Ht. x 4ft Wide Single Swing Chain-link Gate	EA	1	\$ _____	\$ _____
SP6.4.10.A	12ft Ht. x 8ft Wide Single Swing Chain-link Gate	EA	1	\$ _____	\$ _____
SP9.4.1.A	Electrical Utility Relocation, Conduits, Trenching, & Fees	LS	1	LUMP SUM	\$ _____
SP14.4.1.A	Relocate and Install Existing Field Light Poles to New Locations	EA	2	\$ _____	\$ _____
SP14.4.1.B	Upgrade Existing Field Lights to L.E.D. Fixtures	EA	6	\$ _____	\$ _____
SP14.4.1.C	New Field Light Pole w/ L.E.D. Fixtures	EA	1	\$ _____	\$ _____
SP10.4.1.A	Field Lighting Ground Installation	LS	1	LUMP SUM	\$ _____
SP11.4.1.A	Baseball Field Improvements	LS	1	LUMP SUM	\$ _____

SP12.4.1.A	Phase II Electrical Preparation	LS	1	LUMP SUM	\$ _____
SP13.4.1.A	Cable for Osprey Camera (Cat6 Cable, Trenching, Conduit, Data Rack)	LS	1	LUMP SUM	\$ _____
SP27.4.1.A	Football Field Goals	EA	2	\$ _____	\$ _____
SP6.4.11.A	Football Safety Netting Posts (30ft. Above Grade)	EA	2	\$ _____	\$ _____
SP6.4.16.A	Football Safety Netting	SF	1,280	\$ _____	\$ _____
703.4.1.B	Baseball Backstop Concrete Wall	LF	128	\$ _____	\$ _____
703.4.1.C	Softball Backstop Concrete Wall	LF	118	\$ _____	\$ _____
SP6.4.12.A	Baseball Backstop Netting Posts (40ft. Above Grade)	EA	4	\$ _____	\$ _____
SP6.4.13.A	Softball Backstop Netting Posts (30ft. Above Grade)	EA	4	\$ _____	\$ _____
SP27.4.2.A	Baseball Base Set	EA	1	\$ _____	\$ _____
SP27.4.3.A	Baseball Home Plate	EA	1	\$ _____	\$ _____
SP27.4.4.A	Softball Base Set	EA	1	\$ _____	\$ _____
SP27.4.5.A	Softball Home Plate	EA	1	\$ _____	\$ _____
SP27.4.6.A	Softball Pitching Rubber	EA	1	\$ _____	\$ _____
2060.4.1.A.1.	Minor Changes	CS	1	CONTINGENT SUM	\$ 25,000.00
SP6.4.14.A	Baseball Backstop Netting	SF	4,864	\$ _____	\$ _____
SP6.4.15.A	Softball Backstop Netting	SF	3,304	\$ _____	\$ _____

SP27.4.7.A	Baseball Foul Pole w/ Turf Access Box	EA	1	\$ _____	\$ _____
SP27.4.8.A	Baseball Foul Pole Outside Turf Mount	EA	1	\$ _____	\$ _____
SP27.4.9.A	Helical Pier Access Box	EA	6	\$ _____	\$ _____
TOTAL OF BID SCHEDULE A				\$ _____	

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Price
SP5	Schedule B - Alternate #1 Synthetic Turf System	SF	144,200	\$ _____	\$ _____
TOTAL OF BID SCHEDULE B					

- 5.01 Bid prices listed shall include all applicable taxes and fees.
- 5.02 Unit Prices have been computed in accordance with the Contract Documents.
- 5.03 Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION & EMPLOYMENT

- 6.01 Bidder agrees that all items included in the Base Bid and Alternate, if awarded, will be substantially complete by July 21, 2020 and will be completed and ready for final payment in accordance with the General Conditions by July 30, 2020.
- 6.02 Bidder accepts the provisions of the Contract Documents as to liquidated damages.
- 6.03 Bidder agrees to comply with Idaho Code 44-1001 through 44-1005, regarding employment of Idaho residents.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. Required Bid security in the form of: cash, a certified check, cashier’s check, or a Bid bond (on the form attached) issued by a surety meeting the requirements of the General Conditions.;
 - B. Bidder shall include in his Bid the name, or names and address, or addresses, and Idaho Public Works Contractor License Numbers of the Subcontractors who shall, in the event

the Bidder secures the Contract, subcontract the plumbing, heating and air-conditioning work, and electrical work under the general Contract;

C. State of Idaho Public Works Contractor's License No.: _____ ;

D. *Not Used*

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Bidding Documents.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid is submitted by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____
Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____
(CORPORATE SEAL)

Attest _____

Date of Qualification to do business in Idaho is ____/____/____.

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Bidder's Business Address _____

Phone No. _____ Fax No. _____

E-mail _____

SUBMITTED on _____, 20____.

Idaho Public Works Contractor License No. _____.

GENERAL NOTES - 19-11-062 MEMORIAL FIELD

I. GENERAL REQUIREMENTS

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO ECLIPSE ENGINEERING, HENCEFORTH REFERRED TO AS THE ENGINEER
- USE WRITTEN DIMENSIONS. DO NOT USE SCALED DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT OR ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS AND LAYOUT OF THE EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE THE ERECTION OF THE WORK SPECIFIED IN THESE DRAWINGS. EXISTING BUILDING ELEMENTS ARE IDENTIFIED FOR REFERENCE WITH THE PREFIX (E).
- DETAILS IN THE DRAWINGS PREFACED WITH THE TITLE "TYPICAL" MAY NOT NECESSARILY BE REFERENCED ON THE PLANS, BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE NO DETAIL IS REFERENCED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE THE RELEVANT TYPICAL DETAIL FROM THOSE PROVIDED.
- THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, SHORING OF EXISTING BUILDING ELEMENTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE ERECTION OF THE FRAMING AND OF THE LATERAL-LOAD-RESISTING SYSTEM IS COMPLETE.
- THE ENGINEER HOLDS NO LIABILITY FOR UNAUTHORIZED CHANGES TO THE CONSTRUCTION DOCUMENTS MADE BY THE OWNER, CONTRACTOR, BUILDING OFFICIAL, OR OTHER INVOLVED PARTY.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS, INCLUDING OSHA. THE CONTRACTOR SHALL EXECUTE THEIR WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS ASSOCIATED WITH THE WORK.

8. DESIGN CRITERIA
- BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE WITH STATE AND LOCAL AMENDMENTS AND ORDINANCES.

- GEOTECHNICAL AND GRAVITY DESIGN DATA
 - ALLOWABLE SOIL BEARING CAPACITY: 2000 PSF FOR GRAVITY LOADS
 - ROOF LIVE LOAD: 20 PSF
 - GROUND SNOW LOAD, Pg: 56 PSF
 - FLAT-ROOF SNOW LOAD, Pf: 55 PSF
 - SNOW EXPOSURE FACTOR, Ce: 1.0
 - SNOW LOAD IMPORTANCE FACTOR, I: 1.0
 - THERMAL FACTOR, Ct: 1.2

- WIND DESIGN DATA
 - BASIC WIND SPEED: Vult = 115 MPH, Vasd = 90 MPH
 - RISK CATEGORY: II
 - WIND EXPOSURE CATEGORY: C
 - INTERNAL PRESSURE COEFFICIENT, Gcpi: +/- 0.18
 - TOPOGRAPHIC FACTOR, Kzt: 1.0

- SEISMIC DESIGN DATA
 - RISK CATEGORY: II
 - SEISMIC IMPORTANCE FACTOR, Ie: 1.0
 - MAPPED SPECTRAL ACCELERATION, Ss: 0.343
 - MAPPED SPECTRAL ACCELERATION, S1: 0.113
 - SITE CLASS: D
 - DESIGN SPECTRAL ACCELERATION, Sds: 0.349
 - DESIGN SPECTRAL ACCELERATION, Sd1: 0.176
 - SEISMIC DESIGN CATEGORY: C
 - BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL ORDINARY CANTILEVERED COLUMNS

- II. SHALLOW FOUNDATIONS
- FOUNDATION EXCAVATION AND CONSTRUCTION SHALL BE PER GEOTECHNICAL REPORT PREPARED BY ALLWEST, INC. DATED 01/17/2020

III. COLD WEATHER CONSTRUCTION

- CONCRETE:
 - THE CONTRACTOR SHALL PRACTICE STANDARD COLD-WEATHER CONCRETE METHODS AS PER ACI 306.
 - CALCIUM CHLORIDE SHALL NOT BE USED AS AN ACCELERATING ADMIXTURE.
 - CONCRETE DELIVERED TO THE SITE SHALL MEET THE TEMPERATURE REQUIREMENTS OF ASTM C94.
 - CONCRETE SHALL NOT BE PLACED UPON FROZEN SOILS OR SOILS WHICH CONTAIN FROZEN MATERIAL.
 - CONCRETE SHALL BE PROTECTED FROM FREEZING UNTIL THE SPECIFIED STRENGTH IS ATTAINED.
- SOILS:
 - ALL SNOW AND ICE SHALL BE REMOVED FROM CUT AND FILL AREAS PRIOR TO ANY SITE WORK.
 - NO FOUNDATIONS OR FILL MATERIAL SHALL BE PLACED UPON SOILS, WHICH ARE FROZEN OR CONTAIN FROZEN MATERIAL.
 - FILL THAT HAS BEEN PLACED AND COMPACTED IN AN UNFROZEN STATE, WHICH SUBSEQUENTLY BECOMES FROZEN, SHALL BE RE-COMPACTED AT THE SURFACE (AFTER THAWING), BEFORE PLACING ADDITIONAL LIFTS.
 - EXPOSED NATIVE SUBGRADE THAT BECOMES FROZEN SHALL BE THAWED AND COMPACTED IN PLACE PRIOR TO FOOTING PLACEMENT.
 - NO FROZEN SOILS SHOULD BE USED AS FILL.
 - FOLLOWING PLACEMENT OF FOUNDATIONS, AND BEFORE PLACEMENT OF FILL THAT WILL PROVIDE FROST PROTECTION, FROST SHALL NOT BE PERMITTED TO PENETRATE BELOW FOUNDATIONS.

IV. CAST-IN-PLACE CONCRETE

- CONCRETE:
 - CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301, UNLESS OTHERWISE NOTED.
 - REQUIRED COMPRESSIVE STRENGTH, fc:
 - CONCRETE ELEMENTS EXPOSED TO THE EXTERIOR GROUND AND WEATHER OR UNCONDITIONED SPACE OF THE BUILDING: 4500 PSI AT 28 DAYS, NORMAL WEIGHT, MAXIMUM WATER TO CEMENT RATIO = 0.45.
 - IF THE CONTRACTOR ELECTS TO REPLACE THE CEMENT IN THE CONCRETE MIX WITH HIGH-VOLUME FLY ASH, IT IS PERMISSIBLE TO ESTABLISH fc AT 56 DAYS. THE CONTRACTOR SHALL COORDINATE THE DURATION OF SHORING AND TEMPORARY BRACING ACCORDINGLY.
 - STRUCTURAL DESIGN IS BASED ON A CONCRETE STRENGTH OF fc = 2,500 PSI. NO CONCRETE STRENGTH TESTING REQUIRED.
 - DURABILITY REQUIREMENTS:
 - CONCRETE ELEMENTS EXPOSED TO THE EXTERIOR GROUND AND WEATHER OR UNCONDITIONED SPACE OF THE BUILDING: PROVIDE TOTAL AIR CONTENT IN ACCORDANCE WITH EXPOSURE CLASS F2 IN ACCORDANCE WITH ACI 318, CHAPTER 19, PER THE FOLLOWING TABLE. TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE +/- 1.5 %:

NOMINAL MAXIMUM AGGREGATE SIZE	TOTAL AIR CONTENT EXPOSURE CLASS F2
1/2"	7%
3/4"	6%
1"	6%
1 1/2"	5.5%

- ALL OTHER CONCRETE: NO REQUIREMENTS.
- THE CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF CONSTRUCTION OR POUR JOINTS TO THE ARCHITECT AND ENGINEER FOR REVIEW.
 - ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS AND AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE TO 1/4" AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.
- REINFORCING STEEL:
 - TYPICAL REINFORCING: ASTM A615 GRADE 40 FOR #3 BARS, ASTM A615 GRADE 60 FOR #4 BARS TO #7 BARS, AND ASTM A706 GRADE 60 FOR #8 BARS AND LARGER
 - REINFORCING TO BE WELDED: ASTM A706 GRADE 60
 - DEFORMED BAR ANCHORS: ASTM A496, Fy = 70 KSI.

- PROVIDE CLEARANCE AND COVER OF REBAR AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER, # 5 BARS AND SMALLER: 1 1/2 INCHES
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER, #6 BARS AND LARGER: 2 INCHES
 - INTERIOR SLABS, WALLS, AND JOISTS: 3/4 INCHES
 - BEAMS AND COLUMNS: 1 1/2 INCHES TO TRANSVERSE REINFORCING
- UNLESS OTHERWISE NOTED, REINFORCING BARS SHALL BE SPLICED WITH 50-BAR-DIAMETER LAPS, MINIMUM.
- REINFORCING SHALL BE SUPPORTED PRIOR TO CONCRETING IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1.
- REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 315.
- WELDING OF REINFORCING IS PERMITTED ONLY WHERE SHOWN IN THE DRAWINGS. WELDING SHALL CONFORM TO AWS D1.4, STRUCTURAL WELDING CODE - STEEL.

- SLAB ON GRADE CONTROL JOINTS:
 - THE CONTRACTOR SHALL INSTALL TOOLED OR SAWCUT CONTROL JOINTS IN THE CONCRETE SLABS ON GRADE. THE JOINTS SHALL BE 1/8" WIDE AND 1/4" DEEP, WHERE 1 EQUALS THE SLAB THICKNESS.
 - THE JOINTS SHALL SUB-DIVIDE THE SLAB INTO PANELS WITH THE LONGER SIDE NO GREATER THAN 1.5 TIMES THE LENGTH OF THE SHORTER SIDE.
 - JOINTS IN INTERIOR SLABS SHALL BE SPACED AT NO FURTHER THAN 12'-0" APART AND JOINTS IN EXTERIOR SLABS SHALL BE SPACED AT NO FURTHER THAN 6'-0".
 - THE CONTRACTOR SHALL SUBMIT THEIR CONTROL JOINT PLAN TO THE ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO THE FIRST SLAB ON GRADE CONCRETE POUR.
- WELDED WIRE REINFORCEMENT: ASTM A1064, SHEETS ONLY
- FIBER-REINFORCED CONCRETE: ASTM C1116 TYPE III 4.1.3, 100% HOMOPOLYMER POLYPROPYLENE MD FIBRILLATED FIBERS, 1.5 POUND PER CUBIC YARD, MINIMUM APPLICATION RATE
- POST-INSTALLED ANCHORS
 - ADHESIVE ANCHORS AND DOWELS IN CONCRETE: SET-XP (ICC-ES ESR-2508) OR AT-XP (IAPMO US ESR-263) BY SIMPSON STRONG-TIE OR HIT-HY 200 (ICC-ES ESR-3187) BY HILTI.
 - EXPANSION ANCHORS IN CONCRETE: STRONG-BOLT 2 (ICC-ES ESR-3037) BY SIMPSON STRONG-TIE OR KWIK BOLT TZ (ICC-ES ESR-1917) BY HILTI.
 - SCREW ANCHORS IN CONCRETE: TITEN HD (ICC-ES ESR-2713) BY SIMPSON STRONG-TIE OR KWIK HUS-EZ (ICC-ES ESR-3027) BY HILTI.
 - FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL POST-INSTALLED ANCHORS, INCLUDING REQUIREMENTS FOR INSTALLING ANCHORS NEAR HEAD OR BED JOINTS IN MASONRY WALLS.
 - PROVIDE STAINLESS STEEL FASTENERS FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER, PROVIDE ELECTRO-PLATED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS NOTED OTHERWISE.
 - IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF (2) ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE OR MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, SEEK GUIDANCE FROM THE ENGINEER.
 - LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH POST-INSTALLED ANCHORS.
 - SUBSTITUTIONS: SUBSTITUTE PRODUCTS SHALL HAVE AN ASSOCIATED ICC-ES OR IAPMO EVALUATION REPORT AND THE CONTRACTOR MUST DEMONSTRATE PERFORMANCE IS EQUIVALENT TO THE SPECIFIED PRODUCTS. SUBSTITUTIONS WILL NOT BE CONSIDERED UNLESS THIS INFORMATION IS SUBMITTED.

VI. HELICAL PIERS

- HELICAL PIERS SHALL BE MANUFACTURED BY THE A.B. CHANCE CO., CENTRALIA, MO, OR APPROVED EQUAL.
- PIERS SHALL BE INSTALLED BY AN AUTHORIZED A.B. CHANCE INSTALLING CONTRACTOR WHO HAS SATISFIED THE CERTIFICATION REQUIREMENTS RELATING TO THE TECHNICAL ASPECTS OF THE PRODUCT AND THE ASCRIBED INSTALLATION TECHNIQUES. PROOF OF CURRENT CERTIFICATION BY THE A.B. CHANCE CO. MUST BE PROVIDED.
- ALL WORKS AS DESCRIBED HEREIN SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES IN EFFECT AT THE TIME OF INSTALLATION.
- HELICAL PIERS SHALL HAVE ICC -ES EVALUATION REPORT # ESR-2794.
- THE HELICAL LEAD SECTIONS AND EXTENSIONS SHALL BE SOLID STEEL, ROUNDED CORNER, SQUARE SHAFT CONFIGURATION, WITH ONE OR MORE HELICAL BEARING PLATES WELDED TO THE SHAFT.
- ALL PIERS SHALL BE CORROSION PROTECTED BY HOT DIP GALVANIZATION PER ASTM A153.
- INSTALLATION UNITS SHALL CONSIST OF A HYDRAULICALLY DRIVEN ROTARY TYPE TORQUE MOTOR WITH FORWARD AND REVERSE CAPABILITIES.
- INSTALLATION UNITS SHALL BE CAPABLE OF DEVELOPING THE MINIMUM TORQUE AS REQUIRED.
- INSTALLATION UNITS SHALL BE CAPABLE OF POSITIONING THE HELICAL PIER AT THE PROPER INSTALLATION ANGLE. THIS ANGLE MAY VARY BETWEEN VERTICAL AND 5 DEGREES DEPENDING UPON APPLICATION AND TYPE OF LOAD TRANSFER DEVICE SPECIFIED OR REQUIRED.
- INSTALLATION TORQUE SHALL BE MONITORED THROUGHOUT THE INSTALLATION PROCESS.
- HELICAL PIERS SHALL BE INSTALLED TO THE MINIMUM TORQUE VALUE REQUIRED TO PROVIDE ULTIMATE LOAD CAPACITIES OF PIERS.
- THE APPROPRIATE STEEL NEW CONSTRUCTION LOAD TRANSFER DEVICE SHALL BE USED.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CONTACT IAN ROMAIN, P.E. WITH ROCKY MOUNTAIN STEEL FOUNDATIONS, THE REGIONAL A.B. CHANCE DISTRIBUTOR, WITH QUESTIONS. PHONE: 406-756-PIER (7437)

NOTE: SPECIAL INSPECTION REQUIRED FOR HELICAL PIERS. SPECIAL INSPECTION REQUIRED FOR ALL CONCRETE OF 4500 PSI OR GREATER. ALL STRUCTURAL FOOTINGS SHALL BE 4500 PSI TO INCLUDE LIGHT POLE FOUNDATIONS.

SEE 1/S4.1 FOR REFERENCE TO HELICAL PIERS
 SEE 2/S4.1 FOR REFERENCE TO INTERIOR DECK POST DECKING BASE
 SEE 3/S4.1 FOR REFERENCE TO BACK STOP POST
 SEE 7/S4.1 FOR REFERENCE TO GOAL POST FOUNDATION
 SEE 8/S4.1 FOR REFERENCE TO FOUL POLE FOUNDATION

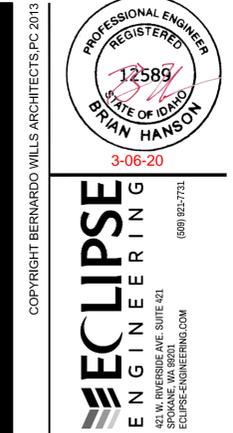
Sheet List Table

Sheet Number	Sheet Title
S0.1	GENERAL NOTES
S3.0	TENT ANCHOR PLAN
S4.1	DETAILS

VII. STRUCTURAL STEEL FRAMING

- MATERIALS:
 - WIDE FLANGE AND WT SHAPES: ASTM A992
 - CHANNELS, ANGLES, PLATES, AND BARS: ASTM A36
 - GRADE 50 PLATES: ASTM A572, Fy = 50 KSI. USE ONLY WHERE INDICATED ON THE PLANS/DETAILS.
 - PIPE: ASTM A53, GRADE B
 - HSS: ASTM A500 OR ASTM A1085, GRADE B, Fy = 42 KSI FOR ROUNDS AND 46 KSI FOR RECTANGULAR AND SQUARE
- FASTENERS:
 - MACHINE BOLTS: ASTM A307
 - BOLTS: ASTM A325-X
 - ANCHOR RODS: ASTM F1554, GRADE 36, THREADED WITH NUT, UNLESS OTHERWISE NOTED, AND HOOKED FOR ANCHORING WOOD SOLE PLATES.
 - SHEAR STUD CONNECTORS AND WELDED THREADED STUDS: ASTM A108, GRADE 1010 THRU 1020
 - NUTS: ASTM A563
 - HARDENED PLAIN AND BEVELED WASHERS: ASTM F436
- WELDING
 - ARC-WELDING ELECTRODES AND/OR FILLER METALS TO BE LOW HYDROGEN TYPES E70XX, E70TXX, OR E70XXX, MINIMUM, AS APPLICABLE.
 - WELDING SHALL CONFORM TO AWS D1.1, STRUCTURAL WELDING CODE - STEEL.
 - ALL WELDING SHALL BE PERFORMED BY A WELDER CERTIFIED BY AWS AND THE GOVERNING JURISDICTION, IF APPLICABLE.
 - FIELD WELDING SYMBOLS HAVE NOT NECESSARILY BEEN INDICATED ON THE DRAWINGS. WHERE SHOWN, PROPER FIELD WELDING PER AWS SHALL BE USED. WHERE NO FIELD WELDING SYMBOLS ARE SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS.
- FABRICATION AND ERECTION
 - FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISC 360 AND AISC 303.
 - STRUCTURAL STEEL AND FASTENERS INDICATED ON THE DRAWINGS TO BE HOT-DIP GALVANIZED SHALL BE COATED IN ACCORDANCE WITH ASTM A123 AND ASTM A153. REPAIR AND TOUCH UP GALVANIZING AFTER ERECTION ACTIVITIES ARE COMPLETE IN ACCORDANCE WITH ASTM A780.

2



Revision Date: 03.02.2020
 03.06.2020
 ECLIPSE ENGINEERING
 402 W. RIVERSIDE AVE. SUITE 421
 ECIPSE-ENGINEERING.COM
 (800) 921-7211

BID SET
 GENERAL NOTES

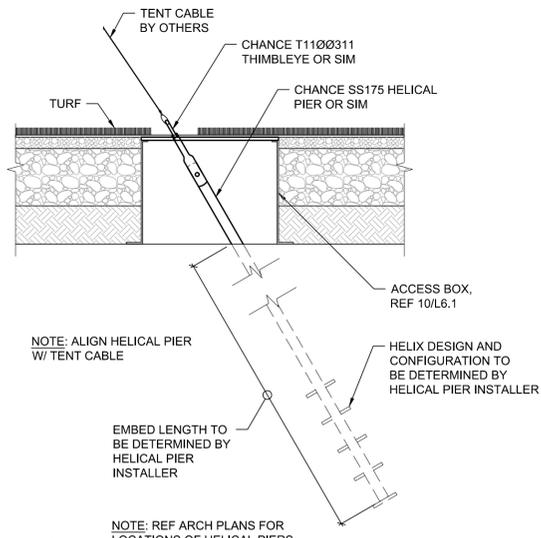
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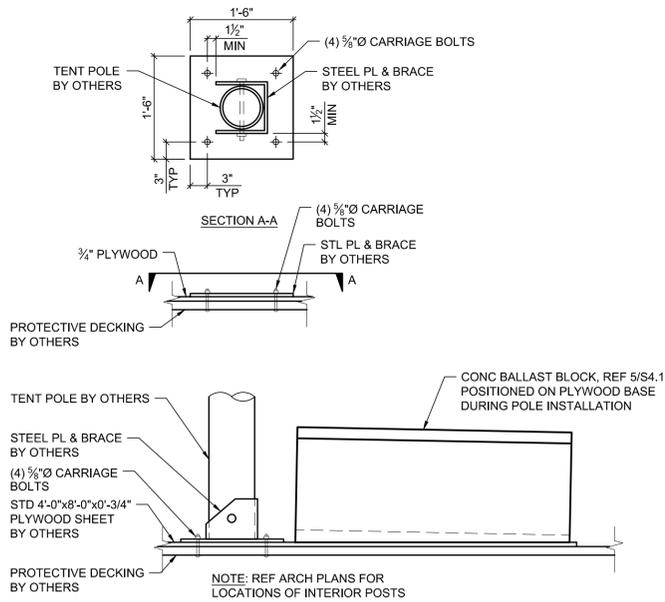
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S0.1

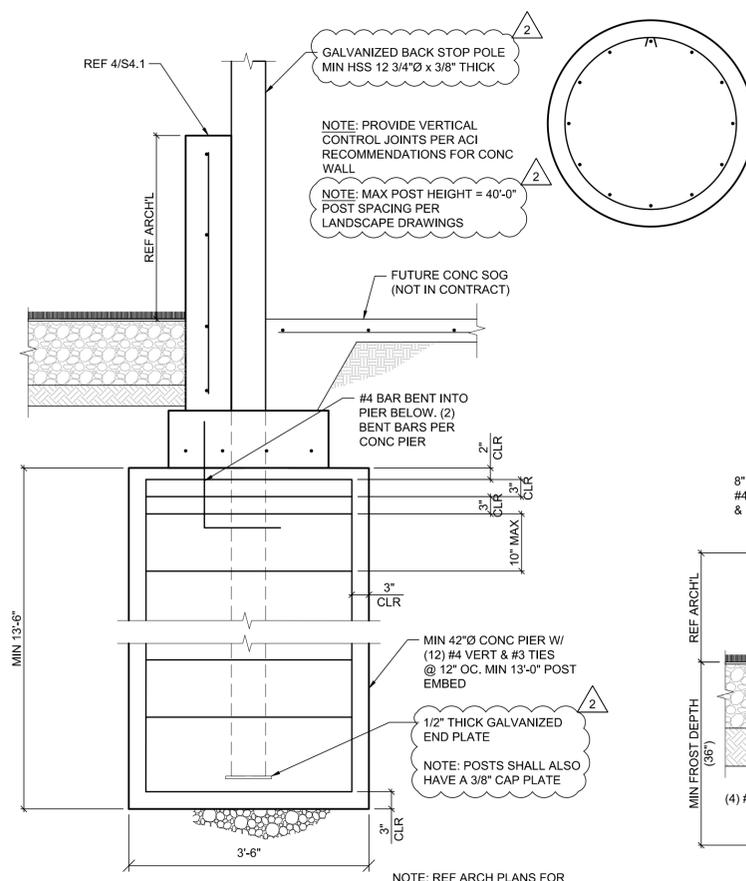
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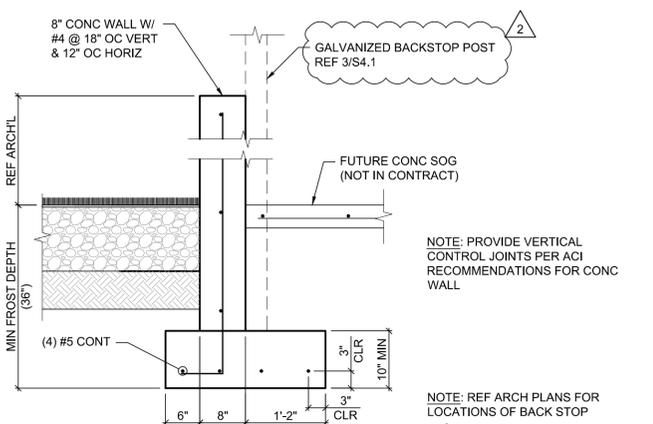
1 TYP HELICAL PIER DETAIL
SCALE: 3/4" = 1'-0"



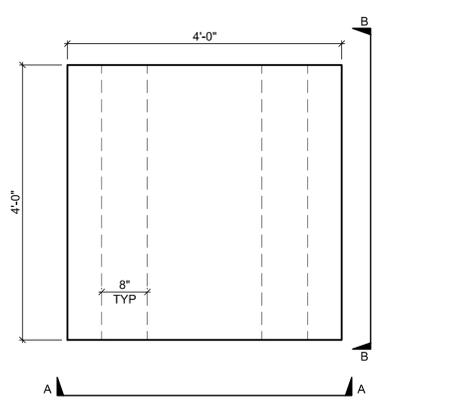
2 INTERIOR TENT POST DECKING BASE
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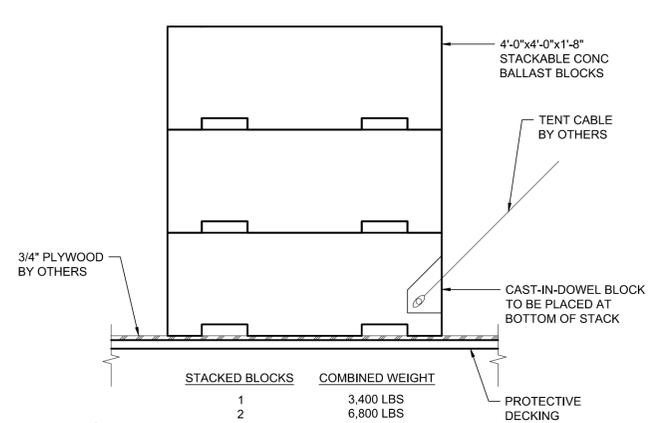
3 TYP BACK STOP POST DETAIL
SCALE: 3/4" = 1'-0"



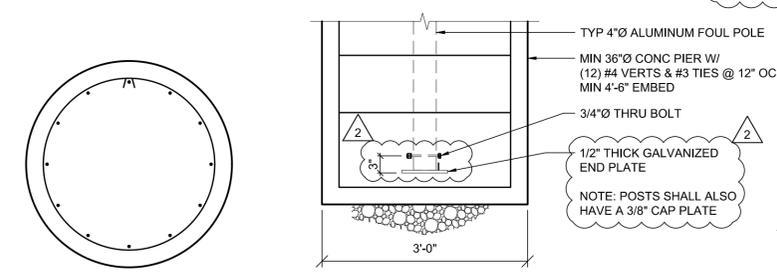
4 TYP BACK STOP WALL
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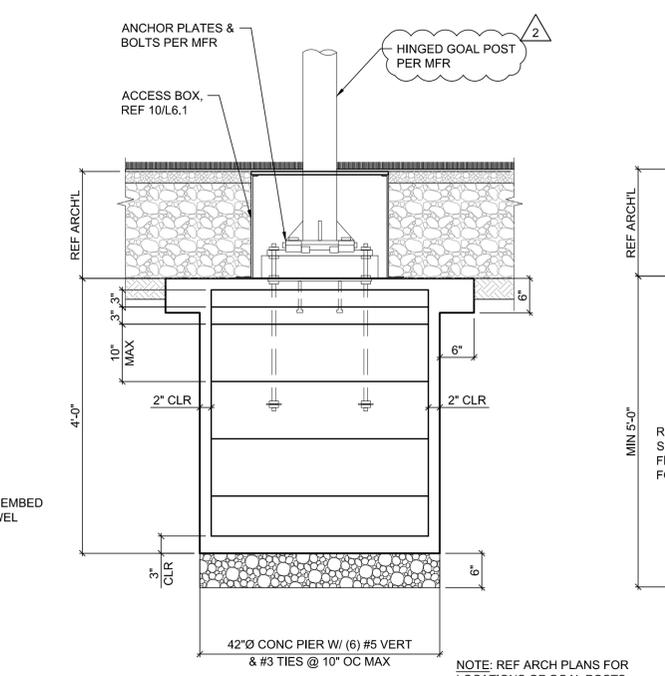
5 TYP BALLAST BLOCK W/ EMBED DOWEL
SCALE: 3/4" = 1'-0"



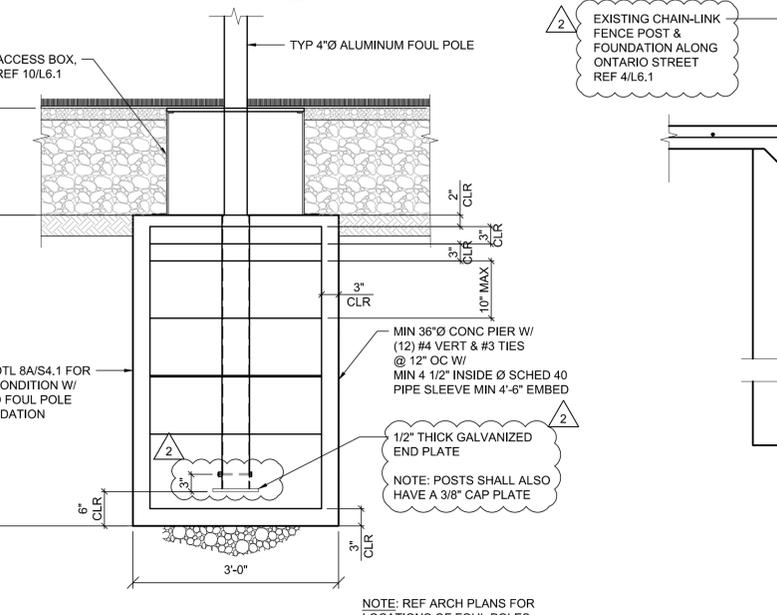
6 TYP STACKED BALLAST BLOCK CONFIGURATION
SCALE: 3/4" = 1'-0"



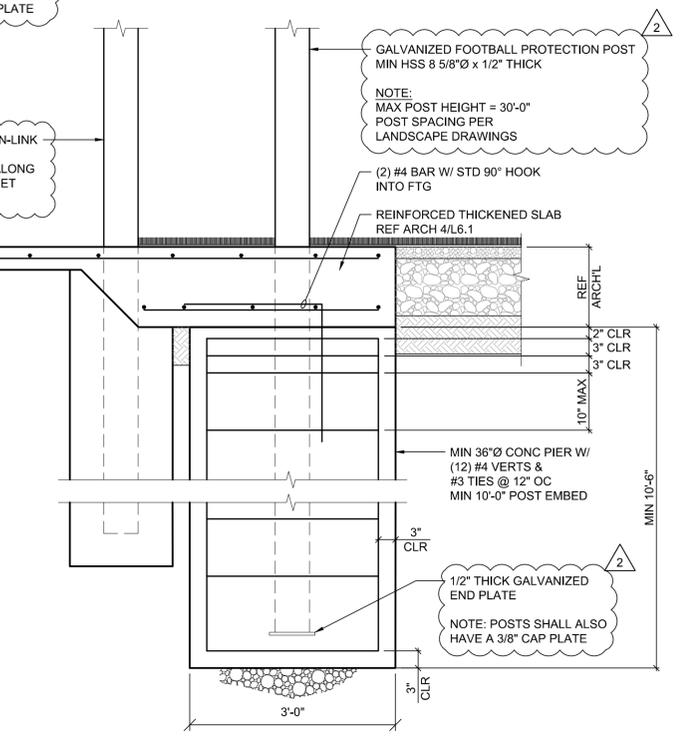
8A FIXED FOUL POLE FOUNDATION
SCALE: 3/4" = 1'-0"



7 REMOVABLE GOAL POST FOUNDATION
SCALE: 3/4" = 1'-0"



8 REMOVABLE FOUL POLE FOUNDATION
SCALE: 3/4" = 1'-0"



9 TYP FOOTBALL PROTECTION POST FOUNDATION
SCALE: 3/4" = 1'-0"