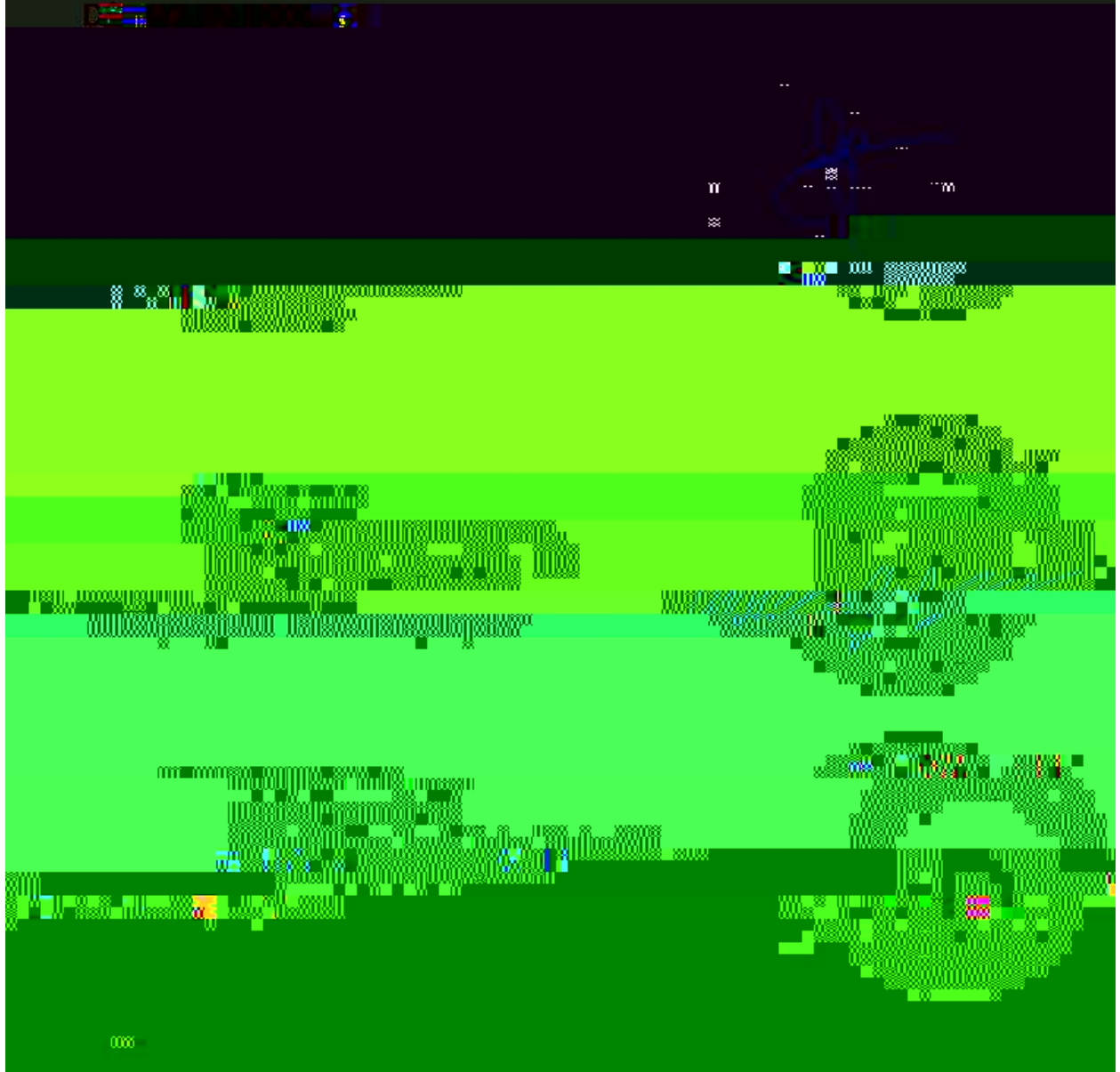


ScWa YblSS'SS'S' '

G95@GD5; 9'

Shade S... at Caroline Wenzel Elementary School
RGA Job Number 21-1504
Page 2



G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

G95@GD5; 9'
8C7I A9BHSS'SS'S' !%

ScWa YbiSS'SS'S' ·

G95@GD5; 9'

Shade Structure at Hollywood Park Elementary School

RGA Job Number 21-1504

Page 2

DSA#: 02-120003



G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

G95@GD5; 9'
8C7I A9BHSS'SS'S' !8'

ScWa YblSS'SS'S'

G95@GD5; 9'

Shade Structure at John H. Still Elementary School

RGA Job Number 21-1504

Page 2

DSA# 02-120004

Architect

Rainforth Grau Architects
2101 Capitol Avenue, Suite 100
Sacramento, CA 95816
916.368.7990



Civil Engineer

Warren Consulting Engineers
1117 Windfield Way, Suite 110
El Dorado Hills, CA 95762
(916) 985-1870 Fax (916) 985-1877



Electrical Engineer

Engineering
17247
Exp. 6/30/22
7750 C
Sacramento
(916) 447-28



ScWa YbiSS'SS'S' ·

G95@GD5; 9'

Shade Structure at Leonardo Da Vinci K-8

RGA Job Number 21-1504

Page 2

DSA#: 02-1209



G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

G95@GD5; 9'
8C7I A9BHSS'SS'S' !(

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'())!&5'

Dfc^YMiA Ubi U'! G\UXY'Gfi Wi fYDfc^YMi'

&RQWUDFWLQJ)RUPV DQG 6XSSOHPHQWV

Division 0

<u>Section</u>	<u>Title</u>
00 52 13	Agreement Form - Stipulated Sum (Single Prime Contract)
00 56 00	Escrow Bid Documentation
00 57 00	Escrow Agreement in Lieu of Retention <u>3URMHFW)RUPV</u>

Division 0

<u>Section</u>	<u>Title</u>
00 61 13 13	Performance Bond
00 61 13 16	Payment Bond
00 63 40	Allowance Expenditure Directive Form
00 63 47	Daily Force Account Report
00 63 57	Proposed Change Order Form
00 63 63	Change Order Form
00 65 19 26	Agreement and Release of Any and All Claims
00 65 36	Guarantee Form

&RQGLWLRQV RI WKH &RQWUDFW

00 72 13

<u>Section</u>	<u>Title</u>
00 72 13	General Conditions - Stipulated Sum (Single Prime Contract)
00 73 13	Special Conditions
00 73 56	Hazardous Materials Procedures and Requirements

Exhibit A	Site Logistics Plans
Exhibit B	Rec i
Exhibit C	
Exhibit D	
Exhibit E	
Exhibit F	

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'&5'())!&5'

Dfc^YMiAUi U'! 'G\UXY'Gfi Wi fY'Dfc^YMi'
H56@9'C: '7CBHBBHG'\$S'\$%\$!' .

Division 10 - Specialties

10 1400	Signage
10 2116	Plastic Toilet Compartments
10 2813	Toilet Accessories

Division 11 - Equipment (Not Used)

Division 12 - Furnishings (Not Used)

Division 13 - Special Construction (Not Used)

Division 14 - Conveying Equipment (Not Used)

Division 21 - Fire Suppression (Not Used)

Division 22 - Plumbing (Not Used)

Division 23 - Heating, Ventilation and Air Conditioning (HVAC) (Not Used)

Division 26 - Electrical	
26 0150	Electrical Basic Materials and Methods

Division 27 - Communications (Not Used)

Division 28 - Electronic Safety and Security (Not Used)

Division 31 - Earthwork	
31 0000	Earthwork
31 2333	Trenching and Backfilling

Division 32 - Exterior Improvements	
32 1200	Asphalt Concrete Paving
32 1600	Site Concrete

Division 33 - Utilities	
33 4000	Storm Drainage Utilities

·
·
·

DOCUMENT 00 01 15

@-GHC: '8F5K=B; G'

7Ufc`lbYKYbnY'9G'8fUk lb| g'Ë'8G5' . '\$&%&\$\$\$%

G\Yh' 8YgW|dh|cb'

; 9B9F5@'

A0.1 COVER SHEET

A0.2 TYPICAL MOUNTING HEIGHTS AND DETAILS

A0.7 LOCAL FIRE AUTHORITY SITE PLAN

7=J=@'

C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS

C1.1 DEMOLITION PLAN

7=J=@'

- C0 1 CIVIL GENERAL NOTES AND ABBREVIATIONS**
- C1.1 DEMOLITION PLAN**
- C2.1 GRADING AND PAVING PLAN**
- C3.1 DETAILS AND SECTIONS**

5F7< =H97HI F5@'

- A1.1.0 SITE PLAN AND CODE INFORMATION**
- A1.1.1 PARTIAL SITE PLANS AND DETAILS**
- A2.1.1 TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS AND INTERIOR ELEVATIONS**

9@97HF=75@'

- E0 1 SYMBOLS, NOTES**
- E1.1 SITE PLAN - ELECTRICAL**
- E2.1 ONE LINE DIAGRAM**
- E3.1 DETAILS**

HCH5@G< 99H7CI BH '% ' .

<c`nkccXDUf '8fUk |b| g! D7'S(!%&\$\$%' .

- G\YYh ' 8YgW|dh|cb'**
- IS1.0 GENERAL INFO**
- IS1.1 DSA 103**
- IS3.0 30' WIDE RECTANGULAR HIP FOUNDATION PLAN**
- IS3.1 30' WIDE RECTANGULAR HIP FRAMING & CONNECTION DETAILS**
- IS3.4 30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN**
- IS5.0 ELECTRICAL ACCESS**

HCH5@G< 99H7CI BH '* ' .

>c\b'GH`'9G'8fUk |b| g'E'8G5' . 'S&!%&\$\$\$(' .

- G\YYh ' 8YgW|dh|cb'**
- ; 9B9F5@'**
- A0 1 COVER SHEET**
- A0 2 TYPICAL MOUNTING HEIGHTS AND DETAILS**
- A0 7 LOCAL FIRE AUTHORITY SITE PLAN**

7=J=@'

- C0 1 CIVIL GENERAL NOTES AND ABBREVIATIONS**
- C1.1 DEMOLITION PLAN**
- C2.1 GRADING AND PAVING PLAN**

5F7< =H97HI F5@'

- A1.1.0 SITE PLAN AND CODE INFORMATION**
- A1.1.1 PARTIAL SITE PLANS AND DETAILS**
- A2.1.1 TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS AND INTERIOR ELEVATIONS**

>c\b'Gh`'9G'8fUk |b| g'E'8G5' . '\$&%&\$\$\$('7cb|bi YX

9@97HF=75@'

G57F5A9BHC'7=FMI G8'
G\ UXY'Gfi Wi fYg; fci d'&5'

8F5K=B; G'5B8 H56@9G'
@-GHC: '8F5K=B; G'\$\$'8%!) !' .

<c`nkccXDF '8fUk |b| g! D7'S(!%&\$\$% '7cb|bi YX

LS3.1 30' WIDE RECTANGULAR HIP FRAMING & CONNECTION DETAILS

LS3.4 30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN

LS5.0 ELECTRICAL ACCESS

.

HCH5@'G< 99H7CI BH *

END OF DOCUMENT

**G57F5A9BHC '7=FMI GS'
G\ UXY'Gfi Wi fYg; fci d'85'**

**8F5K=B; G'5B8 H56@9G'
@-GHC: '8F5K=B; G'\$\$'8%%) !('**

DOCUMENT 00 01 20

@-GHC: 'G7< 98I @9G'

SCHEDULES

fBCHI G98L'

END OF DOCUMENT

**G57F5A9BHC'7=FMI GS'
G\ UXYGfi Vi fYg; fci d'85'**

**G7< 98I @9G'
8C7I A9BHSS'\$%&S!%'**

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

BCH79HC'6=889FG'
8C7I A9BH\$\$'%%%!

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Wi fYg; fci d'85'

BCH79HC'G=889FG'
8C7I A9BHSS'%%%!8'

17.

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**BCH79HC'G=889FG'
8C7I A9BHSS'%%%!''**

DOCUMENT 00 21 13

=BGFI 7HCBGHC'6=889FG'

Bidders shall follow the instructions in this document, and shall submit all documents, forms, and information required for consideration of a bid.

Sacramento City Unified School District ("District") will evaluate information submitted by the apparent low Bidder and, if incomplete or unsatisfactory to District, Bidder's bid may be rejected at the sole discretion of District.

1. Bids are requested for a general construction contract, or work described in general, for the following project ("Project" or "Contract"):

G\ UXY'Gfi Wi fYg'UhJUF]ci g'G]H'g; fci d'85Z()) !&5'

A Bidder and its subcontractors must possess the appropriate State of California contractors' license and must maintain the license throughout the duration of the project. Bidders must also be registered as a public works contractor with the Department of Industrial Relations pursuant to the Labor Code. Bids submitted by a contractor who is not properly licensed or registered shall be deemed nonresponsive and will not be considered.

District will receive electronic bids from bidders as stipulated in the Notice to Bidders.

- D Bids must be submitted to the District via e-builder at, KWWSV ELGGHUV H

16 The District has entered into a Project Labor Agreement that is applicable to this Project. A copy of the Project Labor Agreement is available for review at the District Facilities Office and may be downloaded from the District's website, www.scusd.edu,

d Bidder has given the District prompt written notice of all conflicts, errors, ambiguities, or discrepancies,

- (1) **Subsurface Conditions:** Those reports of explorations and tests of subsurface conditions at or contiguous to the Site that have been utilized by Architect in preparing the Contract Documents; and
- (2) **Physical Conditions:** Those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that has been utilized by Architect in preparing the Contract Documents.
- (3) These reports and drawings are hContract Documents and, except for any "technical" data regarding subsurface conditions specifically identified in Geotechnical Data and Existing Conditions, and underground facilities data, Bidder may not in any manner rely on the information in these reports and drawings. Subject to the foregoing, Bidder must make its own independent investigation of all conditions affecting the Work and must not rely on information provided by District.

19. Bids shall be based on products and systems specified in Contract Documents or listed by name in Addenda. Whenever in the Specifications any materials, process, or article is indicated or specified by grade, patent, or proprietary name, or by name of manufacturer; that Specification shall be deemed to be followed by the words "or equal." Bidder may, unless otherwise stated, offer any material, process, or article that shall be substantially equal or better in every respect to that so indicated or specified. The District is not responsible and/or liable in any way for a Contractor's damages and/or claims related, in any way, to that Contractor's basing its bid on any requested substitution that the District has not approved in advance and in writing. Contractors and materials suppliers who submit requests for substitutions prior to the award of the Contract must do so in writing and in compliance with Public Contract Code section 3400. All requests must comply with the following

- a. **District must receive any notice of request for substitution of a specified item a minimum of HDB 'fP/\$L calendar days prior to bid opening. The Successful Bidder will not be allowed to substitute specified items unless properly noticed**
- b. **Within 35 days after the date of the Notice of Award, the Successful Bidder shall submit data substantiating the request(s) for all substitution(s) containing sufficient information to assess acceptability of product or system and impact on Project, including, without limitation, the requirements specified in the Special Conditions and the Specifications. Insufficient information shall be grounds for rejection of substitution.**
- c. **Approved substitutions, if any, shall be listed in Addenda. District reserves the right not to act upon submittals of substitutions until after bid opening**
- d. **Substitutions may be requested after Contract has been awarded only if indicated in and in accordance with requirements specified in the Special Conditions and the Specifications.**

20

“as-built” drawings. The document entitled Existing Conditions applies to all supplied “as-built” drawings.

All questions about the meaning or intent of the Contract Documents are to be directed via email to the District to [7^f\]g'FUghc;b`UhWf\]g'fUghc;b4.gWgX'YXi](mailto:7^f]g'FUghc;b`UhWf]g'fUghc;b4.gWgX'YXi). Interpretations or clarifications considered necessary by the District in response to such questions will be issued in writing to all parties recorded by the District as having received the Contract Documents or posted on the District's website at WWW.SV.ELGGHUV.H.EXLOGHU.QHW.EDQ.GEL.QJ "E L@IS D FEN IDJ H L G". Questions received less than 99 9B 'fl-L calendar days prior to the date for opening bids may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

Addenda may also be issued to modify other parts of the Contract Documents as deemed advisable by the District.

Each Bidder must acknowledge each Addendum in its Bid Form and Proposal by number or its Bid shall be considered non-responsive. Each Addendum shall be part of the Contract Documents. A complete listing of Addenda may be secured from the District.

This Contract may include alternates. Alternates are defined as alternate products, materials, equipment, systems, methods, or major elements of the construction that may, at the District's option and under terms established in the Contract and pursuant to section 20103.8 of the Public Contract Code, be selected for the Work.

The District shall award the Contract, if it awards it at all, to the lowest responsive responsible bidder based on the criteria as indicated in the Notice to Bidders. In the event two or more responsible bidders submit identical bids, the District shall select the Bidder to whom to award the Contract by lot.

Discrepancies between written words and figures, or words and numerals, will be resolved in favor of figures or numerals.

Bidders in contention for contract awards may be required to attend a Post-Bid interview, which will be set within three (3) calendar days following bid opening. A duly authorized representative of the apparent low bidder is required to attend the Post Bid Interview, in person. The apparent low bidder's authorized representative(s) must have (1) knowledge of how the bid submitted was prepared, the person responsible for supervising performance of the Work, and (3) the authority to bind the apparent low bidder. Failure to attend the Post Bid Interview as scheduled will be considered just cause for the District to reject the Bid as nonresponsive.

Any bid protest by any Bidder regarding any other bid must be submitted in writing to the District, before 5:00 p.m. of the ~~Fl~~ ~~FXL~~ business day following bid opening.

D Only a Bidder who has ~~actually~~ submitted a bid, pu st by

b. A bid protest must contain a complete statement of any and all bases for the

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**=BGFI 7HCBG'HC'6=889FG'
8C7I A9BH\$\$'8% % !, '**

B

WISOR

- b Escrow of Bid Documentation: This must include all required documentation. See the document titled Escrow Bid Documentation for more information.**
- c Performance Bond (100%): On the form provided in the Contract Documents and fully executed as indicated on the form.**
- d Payment Bond (Contractor's Labor and Material Bond) (100%): On the form provided in the Contract Documents and fully executed as indicated on the form.**
- e Insurance Certificates and Endorsements as required.**
- f Workers' Compensation Certification.**
- g Prevailing Wage and Related Labor Requirements Certification.**
- h Disabled Veteran Business Enterprise Participation Certification.**
- i Drug Free Workplace Certification.**
- j Tobacco Free Environment Certification.**
- k Hazardous Materials Certification.**
- l Lead Based Materials Certification.**
- m Imported Materials Certification.**
- n Criminal Background Investigation/Fingerprinting Certification.**
- o Buy American Certification.**
- p Registered Subcontractors List: Must include Department of Industrial Relations (DIR) registration number of each subcontractor for all tiers.**

30. Time for Completion: District may issue a Notice to Proceed within B=B9HMfl \$E days from the date of the Notice of Intent to Award. Once Contractor has received the Notice to Proceed, Contractor shall complete the Work within the period of time indicated in the Contract Documents.

f) \$L calendar days after receipt by Contractor of District's notice of postponement.

- c. It is further understood by the Contractor that in the event that Contractor terminates the Contract as a result of postponement by the District, the District shall only be obligated to pay Contractor for the Work that Contractor had performed at the time of notification of postponement and which the District had in writing authorized Contractor to perform prior to issuing a Notice to Proceed.**
- d. Should the Contractor terminate the Contract as a result of a notice of postponement, District shall have the authority to award the Contract to the next lowest responsive responsible bidder:**

31. District reserves the right to reject any or all bids, including without limitation the right to reject any or all nonconforming, nonresponsive, unbalanced, or conditional bids, to re-bid, and to reject the bid of any bidder if District believes that it would not be in the best interest of the District to make an award to that bidder; whether because the bid is not responsive or the bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by District. District also reserves the right to waive any inconsequential deviations or irregularities in any bid. For purposes of this paragraph, an "unbalanced bid" is one having nominal prices for some work items and/or enhanced prices for other work items.

32. It is the policy of the District that no qualified person shall be excluded from participating in, be denied the benefits of, or otherwise be subjected to discrimination in any consideration leading to the award of contract, based on race, color, gender, sexual orientation, political affiliation, age, ancestry, religion, marital status, national origin, medical condition or disability. The Successful Bidder and its subcontractors shall comply with applicable federal and state laws, includth s ng wuin,st, b

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Vi fYg; fci d'85'

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9CH97< B=75@85H5'
8C7I A9BH\$\$' %' 8! 8'

b. On request, District will provide each Bidder access to the Site to conduct ~~sub~~ examinations, investigations, ex ° oijp bx a i

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

6=8': CFA '5B8'DFCDCG5@'
8C7I A9BH\$\$'(%%

5XXQhj Y5'hfbUHg'

6]X5'hfbUH', '! '588'Gf]d]b['

	dollars	\$ _____
Bid Additive		

:}Zv ^š]oo ^

	dollars	\$ _____
% \$6 (%, '		

5`ck UbW. 'Ck bYf'

Twenty five thousand and no/100	dollars	\$ 25,000.00
Allowance		

dKd >] (}OE :}Zv ^š]o=0 oδ}Á v •

	dollars	\$ _____
727 \$/ %, '		

5XXQhj Y5'hfbUHg'

6]X5'hfbUH', %Ë'588'5gd\ Uh''

	dollars	\$ _____
Bid Additive		

5XXQhj Y5'hfbUHg'

6]X5'hfbUH', &Ë'588'GYUWUh

	dollars	\$ _____
Bid Additive		

5XXQhj Y5'hfbUHg'

6]X5'hfbUH', ' Ë'588'Gf]d]b['

	dollars	\$ _____
Bid Additive		

5XX[hcbU`8YHU`FY] UFX[b] `7UW`U[hcb`cZ6UgY6]X

- 1. 5`ck UbW. The above allowances shall only be allocated for unforeseen & Owner requested items relating to the Work. Contractor shall not bill for or be due any portion of this allowance unless the District has identified specific work, Contractor has submitted a price for that work or the District has proposed a price for that work, the District has accepted the cost for that work, and the District has prepared an Allowance Expenditure Directive incorporating that work. Contractor hereby authorizes the District to execute a unilateral deductive change order at or near the end of the Project for all or any portion of the allowance not allocated. Any unused portion of the allowance will revert back to the District documented by a deductive change order:**

- 2. The undersigned has reviewed the Work outlined in the Contract Documents and fully understands the scope of Work required in this Proposal, understands the construction and project management function(s) is described in the Contract Documents, and that each Bidder who is awarded a contract shall be in fact a prime contractor, not a subcontractor, to the District, and agrees that its Proposal, if o the Dor= ubc**

8 Receipt and acceptance of the following Addenda is hereby acknowledged

No _____, Dated _____	No _____, Dated _____
No _____, Dated _____	No _____, Dated _____
No _____, Dated _____	No _____, Dated _____

- 9 Bidder acknowledges that the license required for performance of the Work is a 7Ugg'5'cf'6 license.**
- 10 Bidder hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.**
- 11. Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with all requirements of the Department of Industrial Relations.**
- 12 Bidder hereby certifies that its bid includes sufficient funds to permit Bidder to comply with all local, state or federal labor laws or regulations during the Project, including payment of prevailing wage, and that Bidder will comply with the provisions of Labor Code section 2810(d) if awarded the Contract**
- 13 Bidder agrees to comply with all requirements of the Project Labor Agreement.**
- 14 Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with the Davis Bacon Act, applicable reporting requirements, and any and all other applicable requirements for federal funding. If a conflict exists, the more stringent requirement shall control.**
- 15 Bidder represents that it is competent, knowledgeable, and has special skills with respect to the nature, extent, and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work that may create, during the Work, unusual or peculiar unsafe conditions hazardous to persons and property.**
- 16 Bidder expressly acknowledges that it is aware of such peculiar risks and its inherent**

set forth in the California False Claim Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.

19. The undersigned Bidder certifies that it is, at the time of bidding, and shall be throughout the period of the Contract, licensed by the State of California to do the

DOCUMENT 00 43 13

6-8'6CB8'

fBch. '=Z6]XXf'lg'dfcj]X]b['UV]XVcbXUg']lg'V[XgYWf]hž6]XXf'a i ghi gY'h lg'
Zfa žBCHUgi fYmWa dÜbnZfa 'L'

KNOW ALL PERSONS BY THESE PRESENTS:

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg'; fci d'85'

6-8'6CB8'
8C7I A9BH\$\$(' % !%'

DOCUMENT 00 45 19

**BCB!7C@I G=CB'897@5F5HCB''
fDi V|W7cblfUMf7cXY'GYM|cb'+%\$* L'**

The undersigned declares:

I am the _____ of _____, the party making the foregoing bid
[Title] [Name of Firm]

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner; directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder; or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusiv

G57F5A9BHC'7=FMI GS'
G\UXYQfi Wi fYg; fci d'85'

=F5B'7CBHF57HB; '57H79FH: =75HCB'

DOCUMENT 00 45 26

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**K CF?9FGD7CAD9BG5HCB'79FH: =75HCB'
8C7I A9BH\$\$'() '&!%'**

DOCUMENT 00 45 46 01

DF9J5=@B; K 5; 9'5B8'
F9@5H98 '@56CF F9EI =F9A9BHG'79FH: =75H-CB'

PROJECT/CONTRACT NO: G\ UXY'Gfi Wi fYg'UhJUF]ci g'G|HYg; fci d'&5Z()) !&5
between the Sacramento City Unified School District ("District") and _____
_____ ("Contractor" or "Bidder") ("Contract" or "Project").

I hereby certify that I will conform to the State of California Public Works Contract requirements regarding prevailing wages, benefits, on-site audits with 48 hours' notice, payroll records, and apprentice and trainee employment requirements, for all Work on the above Project including, without limitation, labor compliance monitoring and enforcement by the Department of Industrial Relations.

I hereby certify that I will also conform to the Federal Labor Standards Provisions reg duons.

G57F5A9BHC'7=HMI G8'
G\UXY'Gfi Vi fYg; fci d'85'

8=G56@98'J9HF5B'6I G=B9GG'9BHDFDF=G9'
D5FH7=D5HCB'79FH: =75HCB

G57F5A9BHC'7=HMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

8=G56@98'J9HF5B'6I G=B9GG'9BHDFDF=G9'
D5FH7=D5HCB'79FH: =75HCB'
8C7I A9BH\$\$'() ('*\$8

G57F5A9BHC'7=HMI G8'
G\UXYGfi Vi fYg; fci d'85'

8-G56@98'J9HF5B'

79FH: =75H-CB'

I, _____, certify that I am the bidder's _____
and that I have made a diligent effort to ascertain the facts with regard to the
representations made herein. In making this certification, I am aware of section 12650 et
seq. of the Government Code providing for the imposition of treble damages for making
false claims.

Date:

G57F5A9BHC'7=HMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

8=G56@98'J9HF5B'6I G=B9GG'9BHDFDF=G9'
D5FH7=D5H-CB'79FH: =75H-CB'
8C7I A9BH\$\$'() (' '\$&!(

DOCUMENT 00 45 46 03

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**8FI ; !: F99'K CF?D@579'79FH: =75HCB'
8C7I A9BHSS'() ('*'S' !%'**

G57F5A9BHC'7=HMI GS'
G\UXYGlfi Wi fYg; fci d'85'

8FI ; !

HC6577C!: F99'9BJ=FCBA9BH79FH: =75HCB'

PROJECT/CONTRACT NO: G\ UXY'Gfi Wi fYg'UiJUfci g'GfHYg; fci d'85Z() !&5
between the Sacramento City Unified School District ("District") and _____
_____ ("Contractor" or "Bidder") ("Contract" or "Project").

This Tobacco Free Environment Certification form is required from the successful Bidder:

Pursuant to, without limitation, 20 U.S.C. section 6083, Labor Code section 6400 et seq., Health & Safety Code section 104350 et seq., Business and Professions Code section 22950 et seq., and District Board policies, all District sites, including the Project site, are tobacco free environments. Smoking and the use of tobacco products by all persons is prohibited on or in District property. District property includes school buildings, school grounds, school-owned vehicles and vehicles owned by others while on District property. The prohibition on smoking includes the use of any electronic smoking device that creates an aerosol or vapor, in any manner or in any form, and the use of any oral smoking device for the purpose of circumventing the prohibition of tobacco smoking. Further, Health & Safety Code section 11362.3 prohibits the smoking or use of cannabis or cannabis products in any place where smoking tobacco is prohibited.

I acknowledge that I am aware of the District's policy regarding tobacco free environments at District sites, including the Project site and hereby certify that I will adhere to the requirements of that policy and not permit any of my firm's employees, agents, subcontractors, or my firm's subcontractors' employees or agents, to use tobacco and/or smoke on the Project site.

Date: _____
Proper Name of Contractor: _____
Signature: _____
Print Name: _____
Title: _____

END OF DOCUMENT

DOCUMENT 00 45 46 05

< 5N5F8CI G'A 5HDF=5@G'79FH: =75HCB'

PROJECT/CONTRACT NO: G\ UXY'Gfi Wi fYg'UiJUfci g'GfYg; fci d'85ž() !&5
between Sacramento City Unified School District ("District") and _____
_____ ("Contractor" or "Bidder") ("Contract" or "Project").

20

DOCUMENT 00 45 46 06

@958!65G98'A5HDF=5@G'79FH: =75HCB'

PROJECT/CONTRACT NO: G\ UXY'Gfi Wi fYg'UiJUfci g'GfYg; fci d'85ž() !&5

**G57F5A9BHC'7=FMI GS'
G\ UXY'Gfi Wi fYg; fci d'85'**

**@958!65G98'A5HDF=5@G'79FH: =75HCB'
8C7I A9BHSS'() ('\$*!%**

Any school that undertakes any action to abate existing risk factors for lead is required to utilize trained and state-certified contractors, inspectors, and workers. (Ed Code, § 32243, subd. (b).) Moreover, lead-based paint, lead plumbing, and solders, or other potential sources of lead contamination, shall not be utilized in the construction of any new school facility or the modernization or renovation of any existing school facility. (Ed Code, § 32244.)

Both the Federal Occupational Safety and Health Administration ("Fed/OSHA") and the California Division of Occupational Safety and Health ("Cal/OSHA") have implemented safety orders applicable to all construction work where a contractor's employee may be occupationally exposed to lead.

The OSHA Regulations apply to all construction work where a contractor's employee may be occupationally exposed to lead. The OSHA Regulations contain specific and detailed requirements imposed on contractors subject to those regulations. The OSHA Regulations define construction work as work for construction, alteration, and/or repair, including painting and decorating. Regulated work includes, but is not limited to, the following:

- a. Demolition or salvage of structures where lead or materials containing lead are present;
- b. Removal or encapsulation of materials containing lead;
- c. New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead;
- d. Installation of products containing lead;
- e. Lead contamination/emergency cleanup;
- f. Transportation, disposal, storage, or containment of lead-containing materials.

3 Renovation, Repair and Painting Rule, Section 402(c)(3) of the Toxic Substances Control Act

The EPA requires lead safe work practices to reduce exposure to lead hazards created by renovation, repair and painting activities that disturb lead based paint. Pursuant to the Renovation, Repair and Painting Rule (RRP), renovations in homes, childcare facilities, and schools built prior to 1978 must be conducted by certified renovations firms, using renovators with training by a EPA accredited training provider; and fully and adequately complying with all applicable laws, rules and

DOCUMENT 00 45 46 07

=ADCFH8 'A 5HF=5@G'79FH: =75HCB'

PROJECT/CONTRACT NO: G\ UXY'Gfi Wi fYg'UiJUfci g'GfYg; fci d'85ž() !&5

**between the Sacramento City Unified School District ("District") and _____
("Contractor" or "Bidder") ("Contract" or "Project").**

... The Contractor, who is not a sole proprietor, has complied with the fingerprinting requirements of Education Code section 45125.1 with respect to all Contractor's employees and all of its Subcontractors' employees who may have contact with District pupils in the course of providing services pursuant to the Contract, and the DOJ has

G57F5A9BHC'7=HMI GS'
G\ UXYGfi Vii fYg; fci d'85'

7F=A=B5@657?; FCI B8'=BJ9GH; 5HCB#'
: =B; 9FDF=BHB; '79FH: =75HCB

8C7I A9BH\$\$'() (' * '\$, !8'

5H57<A9BHÍ5Î´

@ghicZ9a d`cmYg#Gi Wb1fUMkfg´

BUa Y#7ca dUbm´ _____ .

BUa Y#7ca dUbm´ _____ .

BUa Y#7ca dUbm´ _____ .

BUa Y#7ca dUbm´

G57F5A9BHC´7=HMI GS´
G\ UXYGfi Vi fYg´; fci d´85´

7F=A=B5@657?; FCI B8´=BJ9GH; 5HCB#´
: =B; 9FDF=BHB; ´79FH: =75HCB

8C7I A9BH\$\$´() ´(*´\$´!´´

DOCUMENT 00 45 46 09

6I M5A9F=75B'79FH: =75HCB'

PROJECT/CONTRACT NO. G UXY'Gfi Vi fYg'UhJUF]ci g'G|H'g; fci d'85Ž() !&5 between
the Sacramento City Unified School District ("District") and _____
("Contractor" or "Bidder") ("Contract" or "Project").

G57F5A9BHC'7=FMI GS'
G UXY'Gfi Vi fYg; fci d'85'

6I M5A9F=75B'79FH: =75HCB'
8C7I A9BHSS'() (*'8- !%'

: 989F5@'8965FA9BH79FH: =75H-CB'

PROJECT/CONTRACT NO'G UXY'Gfi Wi fYg'UhJUF|ci g'G|H'g; fci d'85Z() !&5 between the Sacramento City Unified School District ("District") and _____ ("Contractor" or "Bidder") ("Contract" or "Project").

1. Bidder certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or Board;

b. Have not within a three-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

d. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where Bidder is unable to certify to any of the statements in this certification, Bidder shall attach an explanation to this certification.

3. Bidder agrees to include the following certification in all subcontracts, for all lower tiers:

3'HEDUPHQW DQG 6XVSHQVLRQ &HUVLILFDWLRQ ± %\ VXEPLVVL FRQWUDFWRU RU YHQGRU RU FRQVXOWDQW GHSHQGLQJ RQ WK EHVW RI LWV NQRZOHGJH DQG EHOLHI WKDW LW DQG LWV SULQFL VXVSHQG HG SURSRVHG IRU GHEDUPHQW GHFODUHG LQHOLJLEOH FRYHUHG WUDQVDFWLRQV E\ DQ\)HGHUO GHSDUWPHQW RU DJHQ DQG &)5

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

END OF DOCUMENT

G57F5A9BHC'7=HMI G8'
G\ UXYGfi Vi fyg; fci d'85'

6MF8'5BH!@C66MB; '79FH: =75HCB'
8C7I A9BHSS'() '(* 10&

=BGFI 7HCBG; CF 7CAD@9HCB'C: 'G !@@Z8-G7@CGI F9'C: '@C66MB; '57HJ=H9G'

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing pursuant to Title 31, U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.

2. Identify the status of the covered Federal action.

3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.

4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards undergrants.

5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.

6. Enter the name of the federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.

7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.

8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitations for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFPDE9000L."

9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.

10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter Last Name, First Name, and Middle Initial (MI).

11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

END OF DOCUMENT

G57F5A9BHC 7=HMI G8
G\ UXY'Gfi Vii fyg; fci d'85'

6MF8 5BH!@C66MB; '79FH: =75HCB'
8C7I A9BHSS'() (' * '%&'!'

DOCUMENT 00 45 49

F9; =GHDF98 'GI 67CBHF57HCFG'@=GH'
f@Uvcf'7cXY'GYMcb'%+/%%L

PROJECT: 'G\ UXYGfi Wi fyg'UiJU]ci g'G]Hvg; fci d'85Z()) !&5

Date Submitted (for Updates): _____

Contractor acknowledges and agrees that it must clearly set forth below the name and Department of Industrial Relations (DIR) registration number of each subcontractor Zcf'U'' hYfg' who will perform work or labor or render service to Contractor or its subcontractors in or about the construction of the Work Uh`YUghk c' f&L:k YY_g'VYZcfY'h Ygi W&bfUMicf' lg'gWYXi `YXlc'dYfZcfa `kcf_. This document is to be updated as all tiers of subcontractors are identified

Contractor acknowledges and agrees that, if Contractor fails to list as to any subcontractor of any tier who performs any portion of Work, the Contract is subject to cancellation and the Contractor will be subjected to penalty under applicable law

If further space is required for the list of proposed subcontractors, attach additional copies of page 2 showing the required information, as indicated below

G W&bfUMicf'BUa Y. _____ .

DIR Registration #: _____

Portion of Work _____

G W&bfUMicf'BUa Y. _____ .

DIR Registration #: _____

Portion of Work _____

G W&bfUMicf'BUa Y. _____ .

DIR Registration #: _____

Portion of Work _____

G W&bfUMicf'BUa Y. _____ .

DIR Registration #: _____

Portion of Work _____

G W&bfUMicf'BUa Y. _____ .

DIR Registration #: _____

Portion of Work _____

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

DCGHG=8'=BH0FJ=9K'
8C7IA9BH88'() '- 8!

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Vi fYg; fci d'85'

DCGHG=8'=BH0FJ=9K'
8C7IA9BH88'() :- 8'

- (3) Will there be a gap between the per occurrence amount of any underlying policy and the start of the coverage under the Umbrella or Excess Liability Insurance Policy? Yes No
- c. Will you provide the Performance Bond and Labor and Material Bond for 100% of the Contract Price as stipulated? Yes No
- (1) Cost for bonds: _____% Yes No
- (2) Is the cost of your bonds in your base bid? Yes No
- (3) Is your surety license Yes No

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

DCGHG=8'=BH0FJ=9K'
8C7IA9BH88'() :- 8!

profits or revenue, lost bonding capacity, arising out of or in connection with this Contract for the services performed in connection with this Contract.

19. =bgi fUbWUbX6cbXg Prior to issuance of the Notice to Proceed by the District,

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Vi fYg; fci d'85'

5; F99A9BF'
8C7I A9BH\$\$) &% !)

DOCUMENT 00 56 00

9G7FCK '6-8'8C7I A9BH5HCB'

1. FYei JfYa Ybhlc '9gWick '6jX8cWa YbHUjcb'

a. Contractor shall submit, within 99J9B fl-L calendar days after the date of the Notice of Award, one copy of all documentary information received or generated by Contractor in preparation of bid prices for this Contract, as specified herein. This material is referred to herein as "Escrow Bid Documentation." The Escrow Bid Documentation of the Contractor will be held in escrow for the duration of the Contract.

b. Contractor agrees, as a condition of award of the Contract, that the Escrow Bid Documentation constitutes all written information used in the preparation of its bid, and that no other written bid preparation information shall be considered in resolving disputes or claims. Contractor also agrees that nothing in the Escrow Bid Documentation shall change or modify the terms or conditions of the Contract Documents.

c. The Escrow Bid Documentation will not be opened by District except as indicated herein. The Escrow Bid Documentation will be used only for the resolution of change orders and claims disputes.

d. Contractor's submission of the Escrow Bid Documentation, as with the bonds and insurance documents required, is considered an essential part of the Contract award. Should the Contractor fail to make the submission within the allowed time specified above, District may deem the Contractor to have failed to enter into the Contract, and the Contractor shall forfeit the amount of its bid security, accompanying the Contractor's bid, and District may award the

Dioemb

information contained therein, against disclosure to the fullest extent permitted by law

3 : cfa UHUbX7cbHblg'cZ9gWck '6]X8cWa YbHU}cb'

- a Contractor may submit Escrow Bid Documentation in its usual cost estimating format; a standard format is not required. The Escrow Bid Documentation shall be submitted in the language (e.g., English) of the specification**
- b Escrow Bid Documentation must clearly itemize the estimated costs of performing the work of each bid item contained in the bid schedule, separating bid items into sub-items as required to present a detailed cost estimate and allow a detailed cost review. The Escrow Bid Documentation shall include all subcontractor bids or quotes, supplier bids or quotes, quantity takeoffs, crews, equipment, calculations of rates of production and progress, copies of quotes from subcontractors and suppliers, and memoranda, narratives, add/deduct sheets, and all other information used by the Contractor to arrive at the prices contained in the bid proposal. Estimated costs should be broken down into Contractor's usual estimate categories such as direct labor; repair labor; equipment ownership and operation, expendable materials, permanent materials, and subcontract costs as appropriate. All labor rates must be broken down to specify any and all burden costs including but not limited to, health and welfare pay, vacation and holiday pay, pension contributions, training rates, benefits of any kind, insurance of any kind, workers' compensation, liability insurance, truck expenses, supply expenses of any kind, payroll taxes, and any other taxes of any kind. Plant and equipment and indirect costs should be detailed in the Contractor's usual format. The Contractor's allocation of indirect costs, contingencies, markup, and other items to each bid item shall be identified**
- c All costs shall be identified. For bid items amounting to less than \$10,000, estimated unit costs are acceptable without a detailed cost estimate, provided that labor, equipment, materials, and subcontracts, as applicable, are included and provided that indirect costs, contingencies, and markup, as applicable, are allocated.**
- d Bid Documentation provided by Districts shall not be included in the Escrow Bid Documentation unless needed to comply with the following requirements.**

4 G Va]HU'cZ9gWck '6]X8cWa YbHU}cb'

- a The Escrow Bid Documentation shall be submitted by the Contractor in a sealed container within 99 calendar days after the date of the Notice of Award. The container shall be clearly marked on the outside with the Contractor's name, date of submittal, project name and the words "Escrow Bid Documentation - Intended to be opened in the presence of Authorized Ra Mn " ty ine of tb**

- c. If Contractor's proposal is based upon subcontracting any part of the work, each subcontractor whose total subcontract price exceeds 5 percent of the total contract price proposed by Contractor; shall provide separate Escrow Documents to be included with those of Contractor. Those documents shall be opened and examined in the same manner and at the same time as the examination described above for Contractor;
- d. If Contractor wishes to subcontract any portion of the Work after award, District retains the right to require Contractor to submit Escrow Documents for the Subcontractor before the subcontract is approved.

5. Escrow Bid Documentation

- a. The Escrow Bid Documentation will be placed in escrow, for the life of the Contract, in a mutually agreeable institution. The cost of storage will be paid by Contractor for the duration of the project until final Contract payment. The storage facilities shall be the appropriate size for all the Escrow Bid Documentation and located conveniently to both District's and Contractor's offices.
- b. The Escrow Bid Documentation shall be examined by both District and Contractor; at any time deemed necessary by either District or Contractor; to assist in the negotiation of price adjustments and change orders or the settlement of disputes and claims. In the case of legal proceedings, Escrow Bid Documentation shall be used subject to the terms of an appropriate protective order if requested by Contractor and ordered by a court of competent jurisdiction. Examination of the Escrow Bid Documentation is subject to the following conditions:
 - (1) As trade secrets, the Escrow Bid Documentation is proprietary and confidential to the extent allowed by law
 - (2) District and Contractor shall each designate, in writing to the other party 90 days prior to any examination, the names of representatives who are authorized to examine the Escrow Bid Documentation. No other person shall have access to the Escrow Bid

Contractor may examine the Escrow Bid Documentation without that subcontractor present upon an additional 14 calendar days' notice if a representative of that subcontractor does not appear at the time set.

DOCUMENT 00 57 00

9G7FCK '5; F99A9BH=B'@-9I 'C: F9HDBH-CB'
fDi V\|W7cbHUMf7cXY'GYM|cb'&& \$SL'

fBch. '7cbhfUMcf'a i ghii gYh |g'Zcfa 'E'

This Escrow Agreement in Lieu of Retention ("Escrow Agreement") is made and entered into

G57F5A9BHC'7=FMI GS'
G\ UXY'Gfi Wi fYg; fci d'&5

9G7FCK '5; F99A9BH=B'@-9I 'C: F9HDBH-CB'
8C7I A9BH\$\$) + '\$\$!%'

DOCUMENT 00 61 13.13

D9F: CFA5B79'6CB8'
fP\$S\$ c'Z7cbfUMdFWL:

fBchY ''7cbfUMcf'a i ghi gYh lg'Z'fa žBCHUgi fYmWa dUbnZ'fa 'E'

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the governing board ("Board") of the Sacramento City Unified School District, ("District") and _____ ("Principal") have entered into a contract for the furnishing of all materials and labor; services and transportation, necessary, convenient, and proper to perform the following project:

G UXY'Gfi Wi fYg'UhJUFci g'GHVg; fci d'85Z()) !&5

("Project" or "Contract") which Contract dated _____, 20 __, and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof; and

WHEREAS, said Principal is required under the terms of the Contract to furnish a bond for the faithful performance of the Contract.

NOW, THEREFORE, the Principal and _____ ("Surety") are held and firmly bound unto the Board of the District in the penal sum of

_____ Dollars (\$ _____), lawful money of the United States, for the payment of which sum

Should the condition of this bond be fully performed, then this obligation shall become null and void; otherwise it shall be and remain in full force and affect.

And the Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of Contract or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration, or addition.

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on the _____ day of _____, 20__.

Principal	Surety
By	By
	Name of California Agent of Surety
	Address of California Agent of Surety
	Telephone No. of California Agent of Surety

7cblfUMcf'a i ghUHW'UBcHF]U'5W/bck `YX[a YbhZcf'U`Gi fYmf'g][bUi fYg'UbX

The undersigned Contractor approves the foregoing release of allowance for completion of each specified item, and agrees to furnish all labor; materials and services and perform all work necessary to complete any additional work specified for the consideration stated therein ("Work"). Submission of sums which have no basis in fact or which Contractor knows are false are at the sole risk of Contractor and may be a violation of the False Claims Act set forth under Government Code section 12650, et seq.

This Allowance Expenditure Directive must be signed by an authorized District representative.

It is expressly understood that the authorized allowance expenditure granted herein represents a full accord and satisfaction for any and all cost impacts of the items herein, and Contractor waives any and all further compensation based on the items herein. The value of the extra work or changes expressly includes any and all of the Contractor's costs and expenses, and its subcosts.

DOCUMENT 00 63 47

85=@M: CF79'577CI BHF9DCFH'

: fca . '7cblfUWcf'
[Name/Address]

H. 'Ck bYf'
[Name/Address]

G57F5A9BHC '7=FMI GS'
G\ UXYGfi Wi fYg; fci d'85

85=@M: CF79'577CI BHF9DCFH'
8C7I A9BH\$\$*' '(+!%'

7" **9ei lda Ybh** '\$WWDFK DOO DSSOLFDEOH LQYRLFHV QRW SURYLGHG LQ SULRU 'DL
FRPSOHWH WKH LQIRUPDWLRQ EHORZ

HnlY#AcXY	<fg" CdYUHX	FUH

Daily subtotal (w/out markup): \$ _____

&RPSOHWH EDVHG RQ LQIRUPDWLRQ UHSRUWHG DERYH

(a)	<u>K CF? DGF: CFA98'CH 9F H 5B'6M7CBHF57HCF</u>	<u>588</u>
	AUMJU	

completion of the entire work as stated therein, and agrees to furnish all labor, materials and services and perform all work necessary to complete any additional work specified for the consideration stated therein. Submission of sums which have no basis in fact or which

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Vi fYg; fci d'85'

DOCUMENT 00 65 36

; I 5F5BH9: CFA`
fDf]bhicb`7cbfUMcf#G\ WcbfUMcf`@MHF\ YUXL`

_____ C/cbFUMcfB` BUa YQ hereby
unconditionally guarantees that the Work performed at G\ UXY`Gfi Wi fYg`UhiJUF]ci g`G]H`g`
; fci d` 85Z` () !&5 has been done in accordance with the requirements of the Contract
therefore and further guarantees the Work of the contract to be and remain free of defects in
workmanship and materials for a period of Hk c` f&L`nYUfg` from and after the recordation of
the Notice of Completion of the Project and completion of all Contract obligations by the
Contractor; including formal acceptance of the entire Project by the District, unless a longer
guarantee period is called for by the Contract Documents, in which case the terms of the
longer guarantee shall govern. The Contractor specifically waives any right to claim or rely

6 8	Preservation of Records	17
6 9	Integration of Work.....	17
6 10	Notifications	18
6 11	Obtaining of Permits, Licenses and Registrations.....	18
6 12	Royalties and Patents	19
6 13	Work to Comply With Applicable Laws and Regulations	20
6 14	Safety/Protection of Persons and Property.....	21
6 15	Working Evenings and Weekends.....	23
6 16	Cleaning Up.....	23
7.	SUBCONTRACTORS	24
8	OTHER CONTRACTS/CONTRACTORS.....	25
9	DRAWINGS AND SPECIFICATIONS	26
10	CONTRACTOR'S SUBMITTALS AND SCHEDULES	27
10.1	Schedule of Work, Schedule of Submittals, and Schedule of Values	28
10.2	Monthly Progress Schedule(s).....	30
10.3	Material Safety Data Sheets (MSDS).....	31
11.	SITE ACCESS, CONDITIONS, AND REQUIREMENTS	31
11.1	Site Investigation.....	31
11.2	Soils Investigation Report.....	32
11.3	Access to Work.....	32
11.4	Layout and Field Engineering.....	32
11.5	Utilities.....	33
11.6	Sanitary Facilities.....	33
11.7	Surveys	33
11.8	Regional Notification Center.....	33
11.9	Existing Utility Lines	33
11.10	Notification.....	34

11.11 Hazardous Materials 34
11.12 No Signs 34

12

17.1

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% !(**

DOCUMENT 00 72 13

; 9B9F5@'7CB8=H-CBG'

1. 7CBHF57HHDFAG'5B8'89 =B=H-CBG'

%% 8Y4b]hcbg'

G57F5A9BHC'7=FMI GS'
G\ UXYGfi Wi fYg; fci d'85'

; 9B9F5@'7CB8=H-CBG'
8C7I A9BH\$\$'+&% !%'

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% !

- %% " % Iran Contracting Act Certification (if applicable)
- %% " & COVID-19 Vaccination/Testing Certification
- %% " ' Federal Debarment Certification (if applicable)
- %% " (Federal Byrd Anti-Lobbying Certification (if applicable)
- %% ") Post Bid Interview
- %% " * All Plans, Technical Specifications, and Drawings
- %% " + Any and all addenda to any of the above documents
- %% " , Any and all change orders or written modifications to the above documents if approved in writing by the District

%% 7cblfUMiDf]W: The total monies payable to the Contractor under the terms and conditions of the Contract Documents.

%% 7cblfUMiHJa Y: The time period stated in the Agreement for the completion of the Work.

%% 7cblfUMicf: The person or persons identified in the Agreement as contracting to perform the Work to be done under this Contract, or the legal representative of such a person or persons.

%% SU]ni>cVfYdcflfgt: Daily Project reports prepared by the Contractor's employee(s) who are present on Site, which shall include the information required herein.

%% 8Ungt: Unless otherwise designated, day(s) means calendar day(s).

%% 8YdUfha YbhcZ=bXi glf]U FYU]cbg'fbf'Í8=FÎE: is responsible, among other things, for labor compliance monitoring and enforcement of California prevailing wage laws and regulations for public works contracts.

%% 8Yg[b DfcZYgg]cbU`]b'; YbYFU FYgdcbg]VY'7\ Uf] Y: See definition of 5fW]hWiaabove.

%% 8]gdi H: A separate demand by Contractor for a time extension, or payment of money or damages arising from Work done by or on behalf of the Contractor pursuant to the Contract and payment of which is not otherwise expressly provided for or Contractor is not otherwise entitled to; or an amount of payment disputed by the District.

%% 8]gfh]Wia The public agency or the school district for which the Work is performed. The governing board of the District or its designees will act for the District in all matters pertaining to the Contract. The District may, at any time,

%% Direct the Contractor to communicate with or provide notice to the Construction Manager or the Architect on matters for which the Contract Documents indicate the Contractor will communicate with or provide notice to the District; and/or

%% Direct the Construction Manager or the Architect to communicate with or direct the Contractor on matters for which the Contract Documents indicate the District will communicate with or direct the Contractor.

%%') Dfc^YWi=bgfYWicf'f'f'Í=bgfYWicf'Í: The individual(s) retained by the District in accordance with title 24 of the California Code of Regulations to monitor and inspect the Project.

%%' * Dfc^YWi@UVcf'5[fYYa Ybhifcf'ÍD@5Í: a prehire collective bargaining agreement in accordance with Public Contract Code section 2500 et seq. that

%%(* G\ cd'SfUk]b[g All drawings, prints, diagrams, illustrations, brochures, schedules, and other data that are prepared by the Contractor; a subcontractor; manufacturer; supplier; or distributor; that illustrate how specific portions of the Work shall be fabricated or installed.

%%(+ G]H: The Project site as shown on the Drawings.

%%(, GdYV[V]Whcbg That portion of the Contract Documents, Division 1 through Division 49, and all technical sections, and addenda to all of these, if any, consisting of written descriptions and requirements of a technical nature of materials, equipment, construction methods and systems, standards, and workmanship.

%%(- GHU: The State of California.

%%) \$ G\cfa K UHF'Dc`i Hcb DFYj Ybhcb D'Ub'fcf'Í GK DDDÛE: A document which identifies sources and activities at a particular facility that may contribute

G57F5A9BHC'7=FMI GS'
G\UXYGfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBC'
8C7I A9BH\$\$'+&% '!+'

G57F5A9BHC'7=FMI GS'
G\UXYGfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '!

G57F5A9BHC'7=FMI GS'
G\UXYGfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '!%\$'

whether it has been fabricated, installed, or fully completed. Any decision made by the Construction Manager; in good faith, shall not give rise to any duty or responsibility of the Construction Manager to the Contractor; any Subcontractor; the Contractor or Subcontractor's respective agents, employees; or other persons performing any of the Work. The Construction Manager shall have free access to any or all parts of Work at any time.

(" . If the District does not use a Construction Manager on this Project, all references within the Contract Documents to Construction Manager or CM shall be read as District.

) " =BGD97HCFZ=BGD97H-CBGZ5B8 HGGH'

) "% Dfc^YWi=bgdYMc f'

) "%% One or more Project Inspector(s), including special Project Inspector(s), as required, will be assigned to the Work by District, in accordance with requirements of title 24, part 1, of the California Code of Regulations, to enforce the building code and monitor compliance with Plans and Specifications for the Project previously approved by the DSA. Duties of Project Inspector(s) are specifically defined in section 4 342 of said part 1 of title 24.

) "%& No Work shall be carried on except with the knowledge and under the inspection of the Project Inspector(s). The Project Inspector(s) shall have free access to any or all parts of Work at any time. Contractor shall furnish Project Inspector(s) reasonable opportunities for obtaining such information as may be necessary to keep Project Inspector(s) fully informed respecting progress and manner of work and character of materials, including but not limited to, submission of form DSA 1q = ° k

G57F5A9BHC'7=FMI GS'
G\UXYQfi Vi fYg; fci d'85'

; 9B9F5@7CB8=HCBC'

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '!%'

* 10% 11 Hazards Control - Contractor shall store volatile wastes in covered metal containers and remove them from the Site daily. Contractor shall prevent accumulation of wastes that create hazardous conditions. Contractor shall provide adequate ventilation during use of volatile or noxious substances.

* 10% 12 Contractor shall designate a responsible member of its organization on the Project, whose duty shall be to post information regarding protection and obligations of workers and other notices required under occupational safety and health laws, to comply with reporting and other occupational safety requirements, and to protect the life, safety, and health of workers. Name and position of person so designated shall be reported to District by Contractor.

* 10% 13 Contractor shall correct any violations of safety laws, rules, orders, standards, or regulations. Upon the issuance of a citation or notice of violation by the Division of Occupational Safety and Health, Contractor shall correct such violation promptly.

* 10% 14 Contractor shall comply with any District storm water requirements that are approved by the District and applicable to the Project, at no additional cost to the District. (" - 14 13v

* 10% 15 In an emergency affecting safety of life or of work or of adjoining property, Contractor, without special instruction or authorization, shall act, at its discretion, to prevent such threatened loss or injury. Any compensation claimed by Contractor on account of emergency work shall be determined by agreement.

* 10% 16 All salvage materials will become the property of the Contractor and shall be removed from the Site unless otherwise called for in the Contract Documents

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Vi fYg; fci d'85'

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '! \$'

document any pre-existing conditions in writing provided that both the Contractor and

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '! 8'**

%8! " No provision herein shall be construed to preclude assessment against Contractor for any other delays in completion of the Work. Nothing in this Article shall be deemed to require District to indicate the presence of existing service laterals, appurtenances, or other utility lines, within the exception of main or trunk utility lines or whenever the presence of these utilities on the Site of the construction Project can be inferred from the presence of other visible facilities, such as buildings, meter junction boxes, on or adjacent to the Site of the construction.

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '!)'

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Vi fYg; fci d'85'

% '08' G WbfUMc ffgL

Contractor shall require its Subcontractor(s), if any, to procure and maintain

% '0%, =bgi fUbW'Dc`'Mii@a]lg'

% '0%, '0% Unless different limits are indicated in the Special Conditions, the limits of insurance shall not be less than the following amounts:

7ca a YFMU'; YbYFU'
@]UV]'lmi

Product Liability and
Completed Operations,
Fire Damage Liability -
Split Limit

Option 1 - Low Risk

members, officers, representatives, agents, and employees, in both individual and official capacities ("Indemnitees"), against all suits, claims, injury, damages, losses, and expenses ("Claims"), including but not limited to attorney's fees, caused by, arising out of, resulting from, or incidental to, in whole or in part, the performance of the Work under this Contract by the Contractor; its Subcontractors, vendors, or suppliers. However; the Contractor's indemnification and hold harmless obligation shall be reduced by the proportion of the Indemnitees' and/or Architect's liability to the extent the Claim(s) is/are caused by the sole negligence, active negligence, or willful misconduct of the Indemnitees, and/or defects in design furnished by the Architect, as found by a court or arbitrator of competent jurisdiction. This indemnification and hold harmless obligation of the Contractor shall not be construed to negate, abridge, or otherwise reduce any right or obligation of indemnity that would otherwise exist or arise as to any Indemnitee or other person described

the Contractor shall be and remain fully liable on its agreements and obligations herein to the fullest extent permitted by law

§ 181 Pursuant to Public Contract Code section 9201, the District shall provide timely notification to Contractor of the receipt of any third party Claim relating to this Contract. The District shall be entitled to recover its reasonable costs incurred in providing said notification.

§ 182 In any and all Claims against any of the Indemnitees by any employee of the Contractor; any Subcontractor; anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the Contractor's indemnification obligation herein shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

§ 183 The District may retain so much of the moneys due the Contractor as shall be considered necessary, until disposition of any such Claims or until the District, Architect(s) and Construction Manager(s) have received written agreement from the Contractor that they will unconditionally defend the District, Architect(s) and Construction Manager(s), their respective officers, agents and employees, and pay any damages due by reason of settlement or judgment.

§ 184 The Contractor's defense and indemnification obligations hereunder shall survive the completion of Work, the warranty/guarantee period, and the termination of the Contract.

§ " HA9

§ 1% BchjW'ic DfcWYX

§ 1%% District may issue a Notice to Proceed within ninety (90) days from the date of the Notice of Award. Once Contractor has received the Notice to Proceed, Contractor shall complete the Work within the period of time indicated in the Contract Documents.

§ 1%& In the event that the District desires to postpone issuing the Notice to Proceed beyond ninety (90) days from the date of the Notice of Award, it is expressly understood that with reasonable notice to the Contractor, the District may postpone issuing the Notice to Proceed. It is further expressly understood by Contractor that Contractor shall not be entitled to any claim of additional compensation as a result of the postponement of the issuance of the Notice to Proceed.

§ 1%' If the Contractor believes that a postponement of issuance of the Notice to Proceed will cause a hardship to Contractor, Contractor may terminate the Contract. Contractor's termination due to a postponement shall be by written notice to District within ten (10) days after receipt by Contractor of District's notice of postponement. It is further understood by Contractor that in the event that Contractor terminates the Contract as a result of postponement by the District, the District shall only be obligated to pay Contractor for the Work that Contractor had performed at the time of notification of postponement. Should Contractor terminate the Contract as a result of a notice of postponement, District shall have the authority to award the Contract to the next lowest responsive responsible bidder.

required to complete the Work in accordance with job progress, Work may be performed outside of regular working hours with the advance written consent of the District and approval of any required governmental agencies.

%) " " Bc K cf_ 'Xi f]b['GHY'HYgh]b[

Contractor shall, at no additional cost to the District and at the District's request, coordinate its Work to not disturb District students including, without limitation, not performing any Work when students at the Site are taking State or Federally-

its Surety shall be liable for the amount thereof pursuant to Government Code section 53069.85

% 7& *e' & 21 W/g 20% 12 F Uni € @ E • Q W U D V F W R U V K D O O Q R W L I \ D Q Q I L V W V D F - @

% " & ! % Contractor shall not be charged for liquidated damages because of any delays in completion of the Work which are not the fault of Contractor or its Subcontractors, including acts of God as defined in Public Contract Code section 7105, acts of enemy, epidemics, and quarantine restrictions. Contractor shall, within five (5) calendar days of beginning of any delay, notify District in writing of causes of delay including documentation and facts explaining the delay and the direct correlation between the cause and effect. District shall review the facts and extent of any delay and shall grant extension(s) of time for completing Work when, in its judgment, the findings of fact justify such extensions.) c@ M

G57F5A9BHC'7=FMI GS'
G\UXYQfi Vi fYg; fci d'85'

; 9B9F5@7CB8=HCBC'

%", : cfa UhZcf'DfcdcgYX'7\ Ub[Y'CFXYf'

%", 1% The following format shall be used as applicable by the District and the Contractor (e.g. Change Orders, POCs) to communicate proposed additions and deductions to the Contract, supported by attached documentation. Any spaces left blank will be deemed no change to cost or time.

	<u>K CF? D9F: CFA98'CH 9F H 5B'6M7CBHF57HCF'</u>	<u>588'</u>	<u>898I 7H</u>
(a)	<u>AUHFJU</u> (attach suppliers' invoice or itemized quantity and unit cost plus DUC mm U		

transportation time shall be allowed if the Equipment is used for performance of any portion of the Work other than the change in the Work. Unless prior approval in writing is obtained by the Contractor from the Architect, the Project Inspector and the District, no costs or compensation shall be allowed for time while Construction Equipment is inoperative, idle or on standby, for any reason. Contractor shall not be entitled to an allowance or any other compensation for Equipment or tools used in

It is expressly understood that the value of the extra Work or changes expressly includes any and all of the Contractor's costs and expenses, direct and indirect, resulting from additional time required on the Project or resulting from delay to the Project including, without limitation, cumulative impacts. Contractor is not entitled to separately recover amounts for overhead or other indirect costs. Any costs, expenses, damages, or time extensions not included are deemed waived.

Final Acceptance and Satisfaction: Contractor's execution of any Change Order shall constitute a full accord and satisfaction, and release, of all Contractor (and if applicable, Subcontractor) claims for additional time, money or other relief arising from or relating to the subject matter of the change including, without limitation, impacts of all types, cumulative impacts, inefficiency, overtime, delay and any other type of claim.

8.10.1.1 **Contract Price Adjustment:**

The amount of the increase or decrease in the Contract Price from a Change Order, if any, shall be determined in one or more of the following ways as applicable to a specific situation and at the District's discretion:

1. District acceptance of a PCO;

2. By unit prices contained in Contractor's original bid;

3. By agreement between District and Contractor.

8.10.1.2 **Change Order Deductions:**

All deductive Change Order(s) must be prepared pursuant to the provisions herein and shall be prepared by the Contractor.

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% !

provision of this Contract, and the District shall have the right subsequently to correct any error made in any estimate for payment.

§ 1.10 The Contractor shall not be entitled to have any payment requests processed, or be entitled to have any payment made for Work performed, so long as any lawful or proper direction given by the District concerning the Work, or any portion thereof, remains incomplete.

§ 1.11 If the District fails to make any progress payment within thirty (30) days after receipt of an undisputed and properly submitted Application for Payment from the Contractor; the District shall pay interest to the Contractor equivalent to the legal rate set forth in subdivision (a) of Section 685.010 of the Code of Civil Procedure.

§ 1.12 Bc K Uj Yf'

No payment by District hereunder shall be interpreted so as to imply that District has inspected, approved, or accepted any part of the Work. Notwithstanding any payment, the District may enforce each and every provision of this Contract. The District may correct or require correction of any error subsequent to any payment.

§ 1.13 SYMg|cbg'lc K Jh \ c`XDUna Ybhi

§ 1.14 FYUgcbg'lc K Jh \ c`XDUna Ybhi

The District may withhold payment in whole, or in part, to the extent reasonably necessary to protect the District if, in the District's opinion, the representations to the District required herein cannot be made. The District may withhold payment, in whole, or in part, to such extent as may be necessary to protect the District from loss because of, but not limited to any of the following:

§ 1.15 Defective Work not remedied within: CFHM9; < Hfl, 1 hours of written notice to Contractor:

§ 1.16 Stop Payment Notices or other liens served upon the District as a result of the Contract. Contractor agrees that the District may withhold up to 125% of the amount claimed in the Stop Payment Notice to answer the claim and to provide for the District's reasonable cost of any litigation pursuant to the stop payment notice.

§ 1.17 Written notice to withhold payment from Contractor by payment and/or performance bond surety(ies).

§ 1.18 Liquidated damages assessed against the Contractor:

§ 1.19 The cost of completion of the Contract if there exists a reasonable doubt that the Work can be completed for the unpaid balance of the Contract Price or by the completion date.

§ 1.20 Damage to the District or other contractor(s).

§ 1.21 Unsatisfactory prosecution of the Work by the ? ?

G57F5A9BHC'7=FMI GS'
G\UXYGfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% !*)'

% ') " >c]bh7\ YWg'

District shall have the right in its sole discretion, if necessary for the protection of the District, to issue joint checks made payable to the Contractor and Subcontractors and/or material or equipment suppliers. The joint check payees shall be responsible for the allocation and disbursement of funds included as part of any such joint payment. In no event shall any joint check payment be construed to create any contract between the District and a Subcontractor of any tier; or a material or equipment supplier; any obligation from the District to such Subcontractor or a material or equipment supplier; or rights in such Subcontractor or a material or equipment supplier against the District.

&&' 7CAD@9H-CB'C: H 9'K CF?'

&&'% 7caCt'Yh]cb'

&&'%% District will accept completion of Contract and have the Notice of Completion recorded when the entire Work shall have been completed to the satisfaction of the District. The District shall not be bound by any conditions, terms, or specifications of any subcontractor or supplier. The District shall not be bound by any conditions, terms, or specifications of any subcontractor or supplier.

&&'%% District shall not be bound by any conditions, terms, or specifications of any subcontractor or supplier.

Buildings shall be connected to water; gas, sewer; and electric services, complete

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'**

**; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% !*+'**

&%& DfYfYei |g|hYg'Zcf: |bU`DUa Ybh''

The following conditions must be fulfilled prior to Final Payment:

&%&!% A full release of all Stop Payment Notices served in connection with the Work shall be submitted by Contractor:

&%&!&

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Vi fYg; fci d'85'

& (" "4 The foregoing provisions are in addition to and not in limitation of any~

& (1* 10/8& Any adjustments in cost of performance may have a fixed or percentage fee as provided in the section on Format for Proposed Change Order herein. This amount shall be full compensation for all Contractor's and its Subcontractor(s)' changes in the cost of performance of the Contract caused by any such suspension, delay or interruption.

& " 7@5=AG'DFC79GG'

& 10% CV[[U]cb'hc':]'Y7U]a g'Zcf'8]gdi HXXK cf_ '

& 10/0% Should Contractor otherwise seek extra time or compensation for any reason whatsoever ("Disputed Work"), then Contractor shall first follow procedures set forth in the Contract Documents including, without limitation, Articles 15, 16 and 17, all of which are conditions precedent to submitting a Claim pursuant to Article 25. A Notice of Delay or Proposed Change Order are less formal procedures that

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '!+-'

& ", '0%& For claims of less than fifty thousand dollars (\$50,000), the District shall respond in writing within forty-five (45) days of receipt of the Claim or may request in writing within thirty (30) days of receipt of the Claim any additional documentation supporting the Claim or relating to defenses or claims the District may have against the Contractor:

25.8.1.2.1 If additional information is required, it shall be requested and provided by mutual agreement of the parties.

25.8.1.2.2 District's written response to the documented Claim shall be submitted to the Contractor within fifteen (15) days after receipt of the further documentation or within a period of time no greater than that taken by the Contractor to produce the additional information, whichever is greater:

& ", '0%"

disinterested third person as mediator; shall be commenced within thirty (30) days of the submittal, and shall be concluded within fifteen (15) days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court or by stipulation of both parties. If the parties fail to select a mediator within the 15-day period, any party may petition the court to appoint the mediator:

§ 11, 1104. If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 25 (commencing with Section 1141.10) of the Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1141.11 of that code. The Civil Discovery Act of 1986, (Article 3 (commencing with Section 2016) of Chapter 3 of Title 3 of part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration.

§ 11, 1105. The District shall not fail to pay money as to any portion of a Claim which is undisputed except as otherwise provided in the Contract Documents. In any suit filed pursuant to this section, the District shall pay interest due at the legal rate on any arbitration award or judgment. Interest shall begin to accrue on the date the suit is filed in a court of law.

§ 11, 1106. Contractor shall bind its Subcontractors to the provisions of this Section and will hold the District harmless against disputes by Subcontractors.

§ 11. 7Uja DfcWXi fY7ca d]UbW'

§ 11, 1107. Failure to submit and administer claims as required in Article 25 shall waive Contractor's right to claim on any specific issues not included in a timely submitted claim Claim(s) not ra] iled] # byt

8 10/8'0/8*

G57F5A9BHC'7=HMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% ', ('

& "("&"

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'&5'

; 9B9F5@7CB8=HCBG'
8C7I A9BH\$\$'+&% '!, +'

& ') "& Apprentices of any crafts or trades may be employed and, when required

California Government Code, commencing at section 12900; the Federal Civil Rights Act of 1964, as set forth in Public Law 88 352, and all amendments thereto; Executive Order 11246; and all administrative rules and regulations found to be

but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery.

& 10)(Section 4554 of the Government Code states:

Upon demand in writing by the assignor; the assignee shall, within one year from such demand, reassign the cause of action assigned under this part if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action.

& 10%) Under this Article, "public purchasing body" is District and "bidder" is Contractor:

& 1& 9l VgYHU Yg'

If, under Federal Excise Tax Law, any transaction hereunder constitutes a sale on which a Federal Excise Tax is imposed and the sale is exempt from such Federal Excise Tax because it is a sale to a State or Local Government for its exclusive use, District, upon request, will execute documents necessary to show (1) that District is a political subdivision of the State for the purposes of such exemption, and (2) that the sale is for the exclusive use of District. No Federal Excise Tax for such materials shall be included in any Contract Price.

& " HU Yg'

Contract Price is to include any and all applicable sales taxes or other taxes that may be due in accordance with section 7051 et seq. of the Revenue and Taxation Code, Regulation 1521 of the State Board of Equalization or any other tax code that may be applicable.

& '(G \]da Yblg'

Contractor is responsible for any or all damage or loss to shipments until delivered and accepted on Site, as indicated in the Contract Documents. There must be no charge for containers, packing, unpacking, drayage, or insurance. The total Contract Price shall be all inclusive (including sales tax) and no additional costs of any type will be considered.

& ') 7ca d\]UbW'k]h ; cj Yfba YbhFYdcfl]b] FYei]fYa Yblg'

If this Contract is subject to federal or other governmental reporting requirements because of federal or other governmental financing in whole or in part for the Project of which it is part, or for any other reason, Contractor shall comply with those reporting requirements at the request of the District at no additional cost.

END OF DOCUMENT

FEDERAL LABOR, WAGE & HOUR, APPRENTICE, AND RELATED PROVISIONS

A Minimum Wages

The Davis-Bacon Act and 29 CFR parts 1 through 7 shall apply if the Project is financed in whole or in part from Federal - Bald

nt fctt

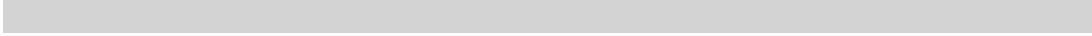
G57F5A9BHC'7=FMI GS'
G\UXYGfi Wi fYg; fci d'85'

GD97=5@7CB8=HCBG'
8C7I A9BH\$\$+' % !+'

% " " "&

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

GD97=5@7CB8=HCBG'
8C7I A9BHSS'+ ' % !, '



G57F5A9BHC'7=FMI GS'
G\UXYQfi Wi fYg; fci d'85'

GD97=5@7CB8=HCBG'
8C7I A9BH\$\$'+ ' % !- '



G57F5A9BHC'7=FMI GS'
G\UXYGfi Wi fYg; fci d'85'

GD97=5@7CB8=HCBG'
8C7I A9BHSS'+! '% !%&'

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Wi fYg; fci d'85'

GD97=5@

DOCUMENT 00 73 56

< 5N5F8CI G'A 5H9F=5@G'

**G57F5A9BHC'7=FMI G8'
G\UXY'Gfi Wi fYg; fci d'85'**

**< 5N5F8CI G'A 5H9F=5@G'
8C7I A9BH88'+!) *!%'**

activities or tests by District in the Contract Price and the Scheduled Completion Date.

- c. Notwithstanding District's rights granted by this paragraph, Contractor may retain its own industrial hygiene consultant at Contractor's own expense and**

c. Contractor shall provide District with the name and address of each waste

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

<5N5F8CI G'A5HDF=5@G'
8C7I A9BH\$\$'+!) *!(

8 Indemnification

To the fullest extent permitted by law, the indemnities and limitations of liability expressed throughout the Contract Documents apply with equal force and effect to any claims or liabilities imposed or existing by virtue of the removal, abatement, and disposal of hazardous waste. This includes, but is not limited to, liabilities connected to the selection and use of a waste disposal facility, a waste transporter; personal injury, property damage 1

9L< =6-H5 È'G|Y'@c[]g|Vg'DUb'

To Be Issued Via Addendum

9L<=6=H6'!< UuFXci g'A Uhf]Ug'DfcWXi fYg'UbXFYei JfYa Yblg'

To Be Issued Via Addendum

**G57F5A9BHC'7=HMI GS'
G\UXY'Gfi Wi fYg'; fci d'85**

**9L<=6=H6'
< 5NA5HFYdcft'**

9L<=6=H7É; Yc\ UhLXUbX; YchWw]W'9b[]bYf]b[FYdcfh

fBCHI G98L'

9L< =6=H9È'Grfa 'K UMF'Dc`i hcb Dfy Ybhcb D'Ub'fGK DDE'

fBCHI G98L'

G57F5A9BHC'7=FMI G8'
G\UXY'Gfi Wi fYg; fci d'85

9 \ |V|h9'
8C7I A9BH\$%%\$%\$!%'

9L< =6-H: È'A]H[U]cb'AYUgi fYg'

fBCHI G98L'

- (3) Addenda.
- (4) Change Orders and other modifications to the Contract.
- (5) Reviewed shop drawings, product data, and samples.
- (6) Field test records.
- (7) Inspection certificates.
- (8) Manufacturer's certificates.

B Contractor shall store Record Documents separate from documents used for construction. Provide files, racks, and secure storage for Record Documents and samples.

C

- B** If the space at the Project Site is not sufficient for Contractor's operations, storage, office facilities and/or parking, Contractor shall arrange and pay for any additional facilities needed by Contractor:
- C** Contractor shall not interfere with use of or access to occupied portions of the building(s) or adjacent property.
- D** Contractor shall maintain corridors, stairs, halls, and other exit ways of building clear and free of debris and obstructions at all times.
- E** No one other than those directly involved in the demolition and construction, or specifically designated by the District or the Architect shall be permitted in the areas of work during demolition and construction activities.
- F** The Contractor shall install the construction fence and maintain that it will be locked when not in use. Keys to this fencing will be provided to the District.

%% DFCH97HCB'C: '9L-GHB; 'GFI 7H F9G'5BS' I H@-H9G'

- A** The Drawings show above-grade and below-grade structures, utility lines, and other installations that are known or believed to exist in the area of the Work. Contractor shall locate these existing installations before proceeding with excavation and other operations that could damage same; maintain them in service, where appropriate; and repair damage to them caused by the performance of the Work. Should damage occur to these existing installations, the costs of repair shall be at the Contractor's expense and made to the District's satisfaction.
- B** Contractor shall be alert to the possibility of the existence of additional structures and utilities. If Contractor encounters additional structures and utilities, Contractor will immediately report to the District for disposition of same as indicated in the General Conditions.

%% I H@-HMG< I HBCK BG'5BS '=BHDFI DH-CBG'

- A** Contractor shall give the District a minimum of three (3) days written notice in advance of any need to shut off existing utility services or to effect equipment interruptions. The District will set exact time and duration for shutdown, and will assist Contractor with shutdown. Work required to re-establish utility services shall be performed by the Contractor.
- B** Contractor shall obtain District's written approval as indicated in the General Conditions in advance of deliveries of material or equipment or other activities that may conflict with District's use of the building(s) or adjacent facilities.

%% GFI 7H F5@-BH; F=HM

- A** Contractor shall be responsible for and supervise each operation and work that could affect structural integrity of various building elements, both permanent and temporary.
- B** Contractor shall include structural connections and fastenings as indicated or required for complete performance of the Work.

D5FH&Ë'DFC8I 7HG'BchI gYX"

D5FH' È'9L97I H-CB'BchI gYX"

END OF DOCUMENT

**G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85**

**GI AA5FMC: KCF? ·
8C7I A9BH\$%%\$!)**

DOCUMENT 01 21 00

5@@CK 5B79'

D5FH%; 9B9F5@'

%% G97H-CB '=B7@I 89G'

A Non-specified ① D

G57F5A9BHC'7=HMI G8'
G UXY'Gfi Vi fYg; fci d'85'

5@@CK 5B79'
8C7I A9BH\$%&%\$\$! \$%

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85

5@HDFB5H9G'5B8 I B=HDF=7=B; '
8C7I A9BH\$%&&'\$\$!%

G57F5A9BHC'7=HMI GS'
G\UXYGlfi Vi fYg; fci d'85

(2) Within 35 days after the date of the Notice of Award, the Contractor shall submit data substantiating the request(s) for all substitution(s) containing sufficient information to assess acceptability of product or system and impact on Project, including without limitation, the requirements specified in the Special Conditions and the technical Specifications. Insufficient information shall be grounds for rejection of substitution.

E If the District and/or Architect, in reviewing proposed substitute materials and equipment, require revisions or corrections to be made to previously accepted Shop Drawings and supplemental supporting data to be resubmitted, Contractor shall promptly do so. If any proposed substitution is judged by the District and/or Architect to be unacceptable, the specified material or equipment shall be provided.

F Samples may be required. Tests required by the District and/or Architect for the determination of quality and utility shall be made at the expense of Contractor; with acceptance of the test procedure first given by the District.

G In reviewing the supporting data submitted for substitutions, the District and/or Architect will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even though all the characteristics may not have been particularly mentioned in the Contract Documents. If more than two (2) submissions of supporting data are required, the cost of reviewing the additional supporting data shall be borne by Contractor; and the District will deduct the costs from the Contract Price. The Contractor shall be responsible for any re-design costs occasioned by District's accept b t

G57F5A9BHC'7=FMI GS'
G\UXYGlfi Wi fYg; fci d'85'

7< 5B; 9G'=B'k 9'

G57F5A9BHC'7=HMI GS'
G\ UY'Gfi Vi fYg; fci d'85'

5DD@-75H-CB: CF D5MA9BH5B8'
7CB8=H-CB5@5B8 I B7CB8=H-CB5@

G57F5A9BHC'7=HMI GS'
G\ UXYGfi Vi fyg; fci d'85'

5DD@-75HCB: CF D5MA9BH5B8'
7CB8=HCB5@5B8 I B7CB8=HCB5@
K 5=J9F' 5B8 F9@95G9: CFAG

G57F5A9BHC'7=HMI GS'
G\ UXYGfi Vi fYg; fci d'85'

5DD@-75HCB: CF D5MA9BH5B8'
7CB8=HCB5@5B8 I B7CB8=HCB5@
K 5=J9F'5B8 F9@95G9: CFAG
8C7I A9BH\$%& '\$\$!(

7CB8=HCB5@K 5=J9F '5B8 F9@95G9'
CB': =B5@D5MA9BH
(CIVIL CODE SECTION 8136)'

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT'S LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT HAS RECEIVED PAYMENT

Name of Claimant: _____ of _____

Name of Customer: _____

Job Location: _____

Owner: _____

7± " YBY A G

G57F5A9BHC'7=HMI G8'
G\ UY'Gfi Vi fYg; fci d'85'

5DD@-75HCB': CF D5MA9BH5B8'
7CB8=HCB5@5B8 I B7CB8=HCB5@
K 5=J9F '5B8 F9@95G9': CFAG
8C7I A9BH\$%& '\$\$!)

G57F5A9B

G

DOCUMENT 01 31 19

DFC>97HA99HB; G'

D5FH%È'; 9B9F5@

%%\$% F9@5H98'8C7I A9BHG'5B8 DFCJ=G-CBG '

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A General Conditions; and
- B Special Conditions.

%%\$& DFC; F9GG'A99HB; G'

- A Contractor shall schedule and hold regular weekly progress meetings after a minimum of one week's prior written notice of the meeting date and time to all Invitees as indicated below
- B Location: Contractor's field office.
- C The Contractor shall notify and invite the following entities ("Invitees"):
 - (1) District Representative.
 - (2) Contractor:
 - (3) Contractor's Project Manager.
 - (4) Contractor's Superintendent.
 - (5) Subcontractors, as appropriate to the agenda of the meeting
 - (6) Suppliers, as appropriate to the agenda of the meeting
 - (7) Construction Manager, if any.
 - (8) Architect
 - (9) Engineer(s), if any and as appropriate to the agenda of the meeting
 - (10) Others, as appropriate to the agenda of the meeting
- D The District's and/or the Architect's Consultants will attend at their discretion, in response to the agenda.
- E The District representative, the Construction Manager, and/or another District Agent shall take and distribute meeting notes to attendees and other concerned parties. If exceptions are taken to anything in the meeting notes,

DOCUMENT 01 32 13

G7< 98I @=B; 'C: KCF? '

D5FH%È'; 9B9F5@

%%\$% F9@5H98 '8C7I A9BHG'5B8 DFCJ=G=CBG'

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A General Conditions;
- B Special Conditions;
- C Summary of Work; and
- D Submittals.

%%\$& G97H=CB '=B7@I 89G'

- A Scheduling of Work under this Contract shall be performed by Contractor in accordance with requirements of this Section.
 - (1) Development of schedule, cost and resource loading of the schedule, monthly payment requests, and project status reporting requirements of the Contract shall employ computerized Critical Path Method ("CPM") scheduling ("CPMSchedule").
 - (2) CPMSchedule shall be cost loaded based on Schedule of Values as approved by District.
 - (3) Submit schedules and reports as specified in the General Conditions.
- B Upon Award of Contract, Contractor shall immediately commence development of Initial and Original CPMSchedules to ensure compliance with CPMSchedule submittal requirements.

%%\$' 7CBGHI 7H=CB 'G7< 98I @9'

- A Within ten (10) days of issuance of the Notice to Proceed and before request for first progress payment, the Contractor shall prepare and submit to the Project Manager a construction progress schedule conforming to the Milestone Schedule below
- B The Construction Schedule shall be continuously updated, and an updated schedule shall be submitted with each application for progress payment. Each revised schedule shall indicate the work actually accomplished during the previous period and the schedule for completion of the remaining work

C Milestone Schedule:

DfY'ja JbUfni7cbgfi Vljcb'GWYXi `Y'

Anticipated Notice of Intent to Award (NOITA)	05/18/22
Anticipated Board Approval of Construction Contract	06/02/22
Anticipated Notice to Proceed (NIP)	06/03/22
Shop Drawings, Submittals, Materials Procurement	06/03/22 – 06/16/22

GjH'7cbgfi Vljcb'GWYXi `Y'

Last Day of 2022 School	06/16/22
Mobilization and Start of Construction	06/17/22
Site Adaption Construction Phase	06/17/22 – 8/19/22
Work prior to install of Shade Structures to include, but not limited to HAZMAT, Utilities, Electrical Rough in, ADA improvements, concrete footings & pads	
Site Adaptation Phase Punch & Corrective work	8/20/22 – 8/24/22
Milestone Completion Date of All Site Adaptation Work	8/25/2022
First Day of 2022-23 School	8/25/22
Anticipated Shipments of OFCI Shade Structures	8/19/22 – 9/9/22
Start of OFCI Shade Structure Install Phase	Delivery Date
Install timeframe of Each Structure:	No more than 5 days
Unless given authorization by District.	
Priority of install at sites with locations affecting students:	
First Installs: Caroline Wenzel ES and IDV K 8	
Second Installs: Hollywood Park ES and John Still ES	
Punch List, Corrective Work & Final Cleaning	10/3/22 – 10/17/22
Project Time of Completion	10/28/22

%\$(EI 5@=: =75H-CBG'

A Contractor shall employ experienced scheduling personnel qualified to use the latest version of [i.e., Primavera Project Planner]. Experience level required is set forth below. Contractor may employ such personnel directly or may employ a consultant for this purpose.

- (1) The written statement shall identify the individual who will perform CPM scheduling**

G57F5A9BHC'7=HMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

G7< 98I @=B; 'C: KCF?'
8C7I A9BH\$%' &% !%&'

(d) **Furnish schedule for Contractor/Subcontractor CPM schedule meetings which shall be held prior to submission of Original CPM schedule to District. District shall be permitted to attend scheduled meetings as an observer.**

(17) **Activity durations shall be in Work days.**

(18) **Submit with the schedule a list of anticipated non-Work days, such as weekends and holidays. The Progress Schedule shall exclude in its Work day calendar all non-Work days on which Contractor anticipates critical Work will not be performed.**

C Original CPM Schedule Review Meeting: Contractor shall, within sixty (60) days from the Notice to Proceed date, meet with District to review the Original CPM Schedule submittal.

(1) **exclude District to select Mark**

resources, and status or evaluate monthly payment request by Contractor:

- (2) District may accept schedule with conditions that the first monthly CPM Schedule update be revised to correct deficiencies identified.
- (3) When schedule is accepted, it shall be considered the "Original CPM Schedule" which will then be immediately updated to reflect the current status of the work.
- (4) District reserves right to require Contractor to adjust, add to, or clarify any portion of schedule which may later be discovered to be insufficient for monitoring of Work or approval of partial payment requests. No additional compensation will be provided for such adjustments, additions, or clarifications.

B Acceptance of Contractor's schedule by District will be based solely upon schedule's compliance with Contract requirements.

- (1) By way of Contractor assigning activity durations and proposing sequence of Work, Contractor agrees to utilize sufficient and necessary management and other resources to perform work in accordance with the schedule.
- (2) Upon submittal of schedule update, updated schedule shall be considered "current" CPMSchedule.
- (3) Submission of Contractor's schedule to District shall not relieve Contractor of total responsibility for scheduling, sequencing, and pursuing Work to comply with requirements of Contract Documents, including adverse effects such as delays resulting from ill-timed Work.

C Submittal of Original CPMSchedule, and subsequent schedule updates, shall be understood to be Contractor's representation that the Schedule meets requirements of Contract Documents and that Work shall be executed in sequence indicated on the schedule.

D

“as built” information by indicating when activities were actually started and completed.

B A meeting will be held on approximately the twenty-fifth (25th) of each month to review the schedule update submittal and progress payment application.

- (1) At this meeting, at a minimum, the following items will be reviewed: Percent (%) complete of each activity; Time Impact Evaluations for Change Orders and Time Extension Request; actual and anticipated activity sequence changes, actual and anticipated duration changes, monthly and actual and anticipated Contractor delays.**
- (2) These meetings are considered a critical component of overall monthly schedule update submittal and Contractor shall have appropriate personnel attend. At a minimum, these meetings shall be attended by Contractor's General Superintendent and Scheduler.**
- (3) Contractor shall plan on the meeting taking no less than four (4) hours.**

C Within five (5) working days after monthly schedule update meeting

G57F5A9BHC'7=FMI GS'
G\UXY'Gfi Wi fYg; fci d'85'

G7< 98I @=B; 'C: KCF?'
8C7I A9BH\$%' &% !%'

data base. Obtain District's written approval of daily construction report data base format prior to implementation. Include in report:

- A Project name and Project number:**
- B Contractor's name and address.**
- C Weather; temperature, and any unusual site conditions.**
- D Brief description and location of the day's scheduled activities and any special problems and accidents, including Work of Subcontractors. Descriptions shall be referenced to CPM scheduled activities.**
- E Worker quantities for its own Work force and for Subcontractors of any tier:**
- F Equipment, other than hand tools, utilized by Contractor and Subcontractors.**

%% D9F=CS=7'J9F=: =98 F9DCFHG'

Contractor shall complete and verify construction reports on a form prescribed by the Division of the State Architect and file reports on the first day of February, May, August, and November during the preceding quarter year; at the completion of the

- (1) The submittal process shall be through the Architect - Builder, unless otherwise directed by the District.
- (2) Contractor shall submit all Shop Drawings, Product Data, and Samples to the District, the Architect, the District Project Inspector, and the Construction Manager.
- (3) Contractor shall comply with all time frames herein and in the General Conditions and, in any case, shall submit required information in sufficient time to permit proper consideration and action before ordering any materials or items represented by such Shop Drawings, Product Data, and/or Samples.
- (4) Contractor shall comply with all time frames herein and in the General Conditions and, in any case, shall allow sufficient time for review and approval of submittals.

- G. Review of Shop Drawings and Schedules does not relieve Contractor from responsibility for any aspect of those Drawings or Schedules that is a violation of local, County, State, or Federal laws, rules, ordinances, or rules and regulations of commissions, boards, or other authorities or utilities having jurisdiction.
- H. Before submitting Shop Drawings for review, Contractor shall check Shop Drawings of its subcontractors for accuracy, and confirm that all Work contiguous with and having bearing on other work shown on Shop Drawings is accurately drawn and in conformance with Contract Documents.
- I. Submitted drawings and details must bear stamp of approval of Contractor:
 - (1) Stamp and signature shall clearly certify that Contractor has checked Shop Drawings for compliance with Drawings.
 - (2) If Contractor submits a Shop Drawing without an executed stamp of approval, or whenever it is evident (despite stamp) that Drawings

1.05 SAMPLES:

- A. Contractor shall submit for approval Samples as required and within the time frame in the Contract Documents. Materials such as concrete, mortar, etc., which require on-site testing will be obtained from Project Site.
- B. Contractor shall submit four (4) samples except where greater or lesser number is specifically required by Contract Documents including, without limitation, the Specifications.
 - (1) Samples must be of sufficient size and quality to clearly illustrate functional characteristics, with integrally related parts and attachment devices.
 - (2) Samples must show full range of texture, color, and pattern.
- C. Contractor shall make all Submittals, unless it has authorized Subcontractor(s) to submit and Contractor has notified the District in writing to this effect.
- D. Samples to be shipped prepaid or hand-delivered to the District.
- E.

(2) Furnish catalog numbers and similar data, as requested.

1.06 REVSUB

PART 2 – PRODUCTS Not Used.

PART 3 - EXECUTION Not Used.

END OF DOCUMENT

SITE STANDARDS

PART 1 ± GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including without limitation, Site Access, Conditions, and Regulations;
- B. Special Conditions;
- C. Drug -Free Workplace Certification;
- D. Tobacco -Free Environment Certification;
- E. Criminal Background Investigation/Fingerprinting Certification;
- F. Temporary Facilities and Controls.

1.02

C. Disturbing the Peace (Noise and Lighting):

- (1) Contractor shall observe the noise ordinance of the Site at all times including, without limitation, all applicable local, city, and/or state laws, ordinances, and/or regulations regarding noise and allowable noise levels.
- (2) The use of radios, etc., shall be controlled to keep all sound at a level that cannot be heard beyond the immediate area of use. District reserves the right to prohibit the use of radios at the Site, except for mobile phones or other handheld communication radios.
- (3) If portable lights are used after dark, all light must be located so as not to direct light into neighboring property.

D. Traffic:

- (1) Driving on the Premises shall be limited to periods when students and public are not present. If driving or deliveries must be made during the school hours, the Contractor shall lead the vehicle across the area of travel. In no case shall driving take place across playgrounds or other pedestrian paths during recess, lunch, and/or class period changes. The speed limit on the Premises shall be five (5) miles per hour (maximum) or less if conditions require.
- (2) All paths of travel for deliveries, including without limitation, material, equipment, and supply deliveries, shall be reviewed and approved by District in advance. Any damage will be repaired to the pre-damaged condition by the Contractor.
- (3) District shall designate a construction entry to the Site. If Contractor requests, District determines it is required, and to the extent possible, District shall designate a staging area so as not to interfere with the

REGULATORY REQUIREMENTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Obtaining of Permits Licenses and Registrations and Work to Comply with All Applicable Laws and Regulations;
- B. Special Conditions; and
- C. Quality Control.

1.02 DESCRIPTION:

This section covers the general requirements for regulatory requirements pertaining to the Work and is supplementary to all other regulatory requirements mentioned or referenced elsewhere in the Contract Documents.

1.03 REQUIREMENTS OF REGULATORY AGENCIES:

A. All statutes, ordinances, laws, rules, codes, regulations, standards, and the lawful orders of all public authorities having jurisdiction over the Work, are hereby incorporated into these Contract Documents as if repeated in full herein and are intended to be included in any reference to Code or Building Code, unless otherwise specified, including, without limitation, the references in the list below. Contractor shall make available at the Site copies of all the listed documents applicable to the Work as the District and/or Architect may request, including, without limitation, applicable portions of the California Code of Regulations ("CCR").

- (1) California Building Standards Administrative Code, Part 1, Title 24, CCR.
- (2) California Building Code (CBC), Part 2, Title 24, CCR; (International Building Code volumes 1 -2 and California Amendments).
- (3) California Electrical Code (CEC), Part 3, Title 24, CCR; (National Electrical Code and California Amendments).
- (4) California Mechanical Code (CMC), Part 4, Title 24, CCR; (Uniform Mechanical Code and California Amendments).
- (5) California Plumbing Code (CPC), Part 5, Title 24, CCR; (Uniform Plumbing Code and California Amendments).

- (6) California Fire Code (CFC), Part 9, Title 24, CCR; (International Fire Code and California Amendments).
- (7) California Green Building Standards Code (CALGreen), Part 11, Title 24, CCR.
- (8) California Referenced Standards Code, Part 12, Title 24, CCR.
- (9) State Fire Marshal Regulations, Public Safety, Title 19, CCR.
- (10) Partial List of Applicable National Fire Protection Association (NFPA) Standards:
 - (a) NFPA 13 - Automatic Sprinkler System.
 - (b) NFPA 14 - Standpipes Systems.
 - (c) NFPA 17A - Wet Chemical System
 - (d) NFPA 24 - Private Fire Mains.
 - (e) (California Amended) NFPA 72 - National Fire Alarm Codes.
 - (f) NFPA 253 - Critical Radiant Flux of Floor Covering System.
 - (g) NFPA 2001 - Clean Agent Fire Extinguishing Systems.
- (11) California Division of the State Architect interpretation of Regulations
 3' 6 \$, 5, including, without lil/F2 9.96 Tf 1 0 0 1 38.744 Tm -3(0 g 0Bt1q 0.00000912 0 612

27.	CCR	California Code of Regulations
28.	CLFMI	Chain Link Fence Manufacturers Institute
29.	CRA	California Redwood Association
30.	CRSI	Concrete Reinforcing Steel Institute
31.	CS	Commercial Standards
32.	CSI	Construction Specifications Institute
33.	CTI	Cooling Technology Institute
34.	FGIA	Fenestration and Glazing Industry Alliance
35.	FGMA	

74.	UMC	Uniform Mechanical Code
75.	USDA	United States Department of Agriculture
76.	VI	Vermiculite Institute
77.	WCLIB	West Coast Lumber Inspection Bureau
78.	WDMA	Window and Door Manufacturers Association
79.	WEUSER	Western Electric Utilities Service Engineering Requirements
80.	WIC	Woodwork Institute of California

PART 2 - PRODUCTS Not Used.

PART 3 - EXECUTION Not Used.

END OF DOCUMENT

DOCUMENT 01 42 16

DEFINITIONS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISION S

REFERENCES

PART 1 - GENERAL

1.01 SCHEDULE OF REFERENCES:

The following information is intended only for the general assistance of the Contractor, and the District does not represent that all of the information is current. It is WKH & R Q W U D F W R U ¶ V U H V S R Q V L E L O L W \ W R Y H U L I \ W K H F information for each of the entities listed.

AA	The Aluminum Association 1400 Crystal Drive, Suite 430 Arlington, VA 22202 www.aluminum.org	703/358 -2960
AABC	Associated Air Balance Council 2401 Pennsylvania Avenue NW, Suite 330	

APA

Architectural Precast Association
325 John Knox Rd, Suite L-103
Tallahassee, FL 32303
www.archprecast.org

850/205

BHMA	Builders Hardware Manufacturers Association 355 Lexington Avenue, 15th Floor New York, NY 10017 www.buildershardware.com	212/297 -2122
BIA	The Brick Industry Association 12007 Sunrise Valley Drive, Suite 430 Reston, VA 20191 www.gobrick.com	703/620 -0010
CGA	Compressed Gas Association 8484 Westpark Drive, Suite 220 McLeaociation	

CRI	Carpet and Rug Institute 100 S. Hamilton Street Dalton, GA 30722 -2048 www.carpet -rug.org	706/278 -3176
CRSI	Concrete Reinforcing Steel Institute 933 N. Plum Grove Road Schaumburg, IL 60173 -4758 www.crsi.org	847/517 -1200
CSI	The Construction Specifications Institute 123 North Pitt St, Suite 450	

EPA Environmental Protection Agency

IAPMO	International Association of Plumbing and Mechanical Officials (formerly the Western Plumbing Officials Association) 4755 E. Philadelphia St. Ontario, CA 91761 www.iapmo.org	909/472 -4100
ICC	International Code Council 500 New Jersey Avenue, NW, 6th Floor Washington, DC 20001 www.iccsafe.org	888/422 -7233
IEEE	Institute of Electrical and Electronics Engineers 3 Park Avenue, 17th Floor New York, NY 10016 -5997 www.ieee.org	212/419 -7900
IES	Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 -4001 www.ies.org	212/248 -5000
ITRK	Intertek Testing Services 3933 US Route 11 Cortland, NY 13045 www.intertek.com	607/753 -6711
MCAA	Mechanical Contractors Association of America 1385 Piccard Drive Rockville, MD 20850 www.mcaa.org	301/869 -5800
MMPA (formerly WMMPA)	Moulding & Millwork Producers Association (formerly Wood Moulding & Millwork Producers Association) 507 First Street Woodland, CA 95695 www.wmmpa.com	530/661 -9591 800/550 -7889
MSS	Manufacturers Standardization Society (MSS) of the Valve and Fittings Industry, Inc. 127 Park Street, NE Vienna, VA 22180 -4602 http://mss-hq.org	703/281 -6613
NAAMM	National Association of Architectural Metal Manufacturers 800 Roosevelt Rd. Bldg. C, Suite 312 Glen Ellyn, IL 60137 www.naamm.org	630/942 -6591

NAIMA	North American Insulation Manufacturers Association P.O. Box 1906 Alexandria, VA 22313 https://insulationinstitute.org/	703/684 - 0084
NALP	National Association of Landscape Professionals (formerly Professional Landcare Network) 12500 Fair Lakes Circle, Suite 200 Fairfax, VA 22033 https://www.landscapeprofessionals.org/	703/736 - 9666
NAPA	National Asphalt Pavement Association 6406 Ivy Lane, Suite 350 Greenbelt, MD 20770 - 1441 www.asphaltpavement.org	888/468 - 6499 301/731 - 4748
NCSPA	National Corrugated Steel Pipe Association 14070 Proton Road, Suite 100 Dallas, TX 75244 www.ncspa.org	972/850 - 1907
NCMA	National Concrete Masonry Association 13750 Sunrise Valley Drive Herndon, VA 20171 - 4662 www.ncma.org	703/713 - 1900
NEBB	National Environmental Balancing Bureau 8575 Grovemont Circle Gaithersburg, MD 20877 www.nebb.org	301/977 - 3698
NECA	National Electrical Contractors Association 1201 Pennsylvania Ave. NW Washington, D.C., 20 00 4 www.necanet.org	202 / 991 - 6300
NEMA	National Electrical Manufacturers Association 1300 North 17th Street N, Suite 900 Rosslyn, VA 22209 www.nema.org	703/841 - 3200
NEII	National Elevator Industry, Inc. 5537 SW Urish Road Topeka, KS 66610 https://nationalelevatorindustry.org/	703 / 589 - 9985
NFPA	National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169 - 7471 www.nfpa.org	800/344 - 3555 855/274 - 8525

NGA (formerly GANA)	National Glass Association (merged with Glass Association of North America) 1945 Old Gallows Road Suite 750 Vienna, VA 22182 www.glass.org	866/342 -5642 Ext 127
NHLA	National Hardwood Lumber Association PO Box 34518 Memphis, TN 38184 www.nhla.com	901/377 -1818

NIA

.org	440/899 -0010
et , Suite 203 .org	843/407 -4091
Association Rd, #G -156 gassoc.com	714 /473 -9579
onditioning Contractors' National Drive -1219 org	703/803 -2980
stry Trade Association, Inc. 500 5 dustry.org	202/974 -5200
th America h Blvd. om	864/646 -8453

Suite 420 459.58 327.53 110.64 60.74

TVI

The Vermiculite Institute
c/o The Schundler Company
10 Central Street
Nahant, MA 01908
www.vermiculiteinstitute.org

732/287 -

WWPA Western Wood Products Association

- D. Materials are not acceptable that have been warehoused for long periods of time, stored or transported in improper environment, improperly packaged, inadequately labeled, poorly protected, excessively shipped, deviated from normal distribution pattern, or reassembled.
- E. Contractor shall store material so as to cause no obstructions of sidewalks, roadways, access to the Site or buildings, and underground services. Contractor shall protect material and equipment furnished under Contract.
- F. Contractor may store materials on Site with prior written approval by the District, all material shall remain under Contractor's control and Contractor shall remain liable for any damage to the materials. Should the Project Site not have storage area available, the Contractor shall provide for off-site storage at a bonded warehouse and with appropriate insurance coverage at no cost to District.
- G. When any room in Project is used as a shop or storeroom, the Contractor shall be responsible for any repairs, patching, or cleaning necessary due to that use. Location of storage space shall be subject to prior written approval by District.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers listed in various sections of Contract Documents are names of those manufacturers that are believed to be capable of supplying one or more of items specified therein.
- B. The listing of a manufacturer does not imply that every product of that manufacturer is acceptable as meeting the requirements of the Contract Documents.

2.02 FACILITIES AND EQUIPMENT

Contractor shall provide, install, maintain, and operate a complete and adequate facility for handling, the execution, disposal, and distribution of material and equipment as required for proper and timely performance of Work connected with Contract.

2.03 MATERIAL REFERENCE STANDARDS

When requested by District, Contractor shall submit for review data on actual material proposed to be incorporated into Work of Contract listing name and address of vendor, manufacturer, or producer, and trade or brand names of those materials, and data substantiating compliance with standard specifications.

PART 3 - EXECUTION

3.01 WORKMANSHIP

- A. Where not more specifically described in any other Contract Documents, workmanship shall conform to methods and operations of best standards and accepted practices of trade or trades involved and shall include items of fabrication, construction, or installation regularly furnished or required for completion (including finish and for successful operation, as intended).
- B. Work shall be executed by tradespersons skilled in their respective lines of Work. When completed, parts shall have been durably and substantially built and present a neat appearance.

3.02 COORDINATION

- A. Contractor shall coordinate installation of Work so as to not interfere with LQVWDOODWLRQ RI RWKHUV \$GMXVWPHQW RU UHZRUN EHFDOO. Coordinate will be at no additional cost to District.
- B. Contractor shall examine in-place work for readiness, completeness, fitness to be concealed or to receive other work, and in compliance with Contract Documents. Concealing or covering Work constitutes acceptance of additional cost which will result should in-place Work be found unsuitable for receiving other Work or otherwise deviating from the requirements of the Contract Documents.

3.03 COMPLETENESS

Contractor shall provide all portions of the Work, unless clearly stated otherwise, installed complete and operational with all elements, accessories, and enclosures, utility connections, etc., in manner to assure well-balanced performance, in accordance with manufacturer's recommendations and by Contract Documents. For example, electric water coolers require water, electricity, and drain services; roof drains UHTXLUH GUDLQ V\ VWHP VLQNV ILW ZLWKLQ FRXQWHUWRS HWF FRPSOHWH RSHUDEOH FRQGLWLRQ IRU XVH LQWHQGHG FRQ WHUPLQDWH ZLWK SURSHU FDS DGHTXDWHO\ DQFKRUHG SDW simila U VKRXOG EH DVVXPHG WR DSSO\ LQ DOO FDVHV H[FHSW ZK@

3.05 MANUFACTURER'S RECOMMENDATIONS

All installations shall be in accordance with manufacturer's published recommendations.

The Contractor shall conform with all applicable laws as indicated in the Contract Documents, including, without limitation, to CCR, Part 1, Title 24, Section 4 -343. The Contractor shall supervise and direct the Work and maintain a competent superintendent on the job who is authorized to act in all matters pertaining to the Work. The Contractor's superintendent shall also inspect all materials, as they arrive, for compliance with the Contract Documents. Contractor shall reject defective

D.

- (a) Minimum number of tests required: One (1) set of three (3) cylinders for each 100 cubic yards (Sec. 2604(h) 01) of concrete or major fraction thereof, placed in one (1) day. See Title 24, Section 2605(g).
- (b) Two cylinders of each set shall be tested at twenty - eight (28) days. One (1) cylinder shall be held in reserve and tested only when directed by the Architect or District.
- (c) Concrete shall test the minimum ultimate compressive strength in twenty -eight 28 days, as specified on the structural drawings.
- (d) In the event that the twenty -eight (28) day test falls below the minimum specified strength, the effective concrete in place shall be tested by taking cores in accordance with UBC Standard No. 26 - 13 and tested as required for cylinders.
- (e) In the event that the test on core specimens falls below the minimum specified strength, the concrete will be deemed defective and shall be removed and replaced upon such direction of the Architect, and in a manner acceptable to the Division of the State Architect.

D. Reinforcing, Steel

E. Structural Steel Per Title 24 and as noted:

- (1) Material: Steel per Table in Title 24, Section 2712.
- (2) Qualification of Welders (UBC Std. 27 -6).
- (3) Shop fabrication (Section 2712(d). Structural steel only).
- (4) Shop and field welding (Section 2712(e)).

PART 3 - EXECUTION Not Used.

END OF DOCUMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Requirements for Testing Laboratory.
 - 2. Contractor's responsibilities for facilitation of Testing and Inspections.

1.2 RELATED SECTIONS AND DOCUMENTS

- A. DSA 103 - Structural Test & Inspections List.
- B. Section 31 0000, Earthwork.
- C. Individual Specification Sections: Inspections and tests required, and standards for testing.

1.3 REFERENCES

- A. California Administrative Code (CAC), edition as noted on the drawings, as adopted by the California Division of the State Architect (DSA).
- B. California Building Code (CBC), edition as noted on the drawings, as adopted by the California Division of the State Architect (DSA).

1.4 SELECTION AND PAYMENT

- A. Testing laboratory shall be approved by both the Architect and the Division of the State Architect.
- B. Owner will employ and pay for services of an independent testing laboratory to perform specified inspection and testing. Retesting costs for failed tests will be the Contractors
- D. Employment of testing laboratory shall in no way relieve Contractor of obligation to perform work in accordance with requirements of Contract Documents.

1.5 LABORATORY REPORTS

- A. After each inspection and test, promptly submit two copies of laboratory report to Owner, Architect, Contractor and DSA.
- B. Include:
 - 1. Date of issue,

TESTING AND INSPECTION

TEMPORARY FACILITIES AND CONTROLS

PART 1 ± GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;

- (1) Contractor shall preserve and protect existing trees and plants on the Premises that are not designated or required to be removed, and those adjacent to the Premises.
- (2) Contractor shall provide barriers to a minimum height of 4' -0" around drip line of each tree and plant, around each group of trees and plants, as applicable, in the proximity of demolition and construction operations , or as denoted on the Plans .
- (3) Contractor shall not park trucks, store materials, perform Work or cross over landscaped areas. Contractor shall not dispose of paint thinners, water from cleaning, plastering or concrete operations, or other deleterious materials in landscaped areas, storm drain systems, or sewers. Plant materials damaged as a result of the performance of the Work shall, at the option of the District and at Contractor's expense, either be replaced with new plant materials equal in size to those damaged or by payment of an amount representing the value of the damaged materials as determined by the District.
- (4) Contractor shall remove soil that has been contaminated during the performance of the Work by oil, solvents, and other materials which could be harmful to trees and plants, and replace with good soil, at Contractor's expense.
- (5) Excavation around Trees:
 - (a) Excavation within drip lines of trees shall be done only where absolutely necessary and with written permission from the District.
 - (b) Where trenching for utilities is required within drip lines, tunneling under and around roots shall be by hand digging and shall be approved by the District. Main lateral roots and taproots shall not be cut. All roots 2 inches in diameter and larger shall be tunneled under and heavily wrapped with wet burlap so as to prevent scarring or excessive drying. Smaller roots that interfere with installation of new work may be cut with prior approval by the District. Roots must first be cut with a Vermeer, or equivalent, root cutter prior to any trenching.
 - (c) Where excavation for new construction is required within drip line of trees, hand excavation shall be employed to minimize damage to root system. Roots shall be relocated in backfill areas wherever possible. If encountered immediately adjacent to location of new construction, roots shall be cut approximately 6 inches back from new construction.
 - (d) Approved excavations shall be carefully backfilled with the excavated materials approved for backfilling. Backfill shall conform to adjacent grades without dips, sunken areas, humps, or other surface irregularities. Do not use mechanical equipment to compact backfill. Tamp carefully using hand

covered with tarpaulins, and as otherwise required by local and state ordinance.

- (4) Contractor shall prevent dust and dirt from accumulating on walks, roadways, parking areas, and planting, and from washing into sewer and storm drain lines.

D. Water :

- (1) Contractor shall not permit surface and subsurface water, and other liquids, to accumulate in or about the vicinity of the Premises. Should accumulation develop, Contractor shall control the water or other liquid, and suitably dispose of it by means of temporary pumps, piping, drainage lines, troughs, ditches, dams, or other methods.

E. Pollution :

- (1) No burning of refuse, debris, or other materials shall be permitted on or in the vicinity of the Premises.
- (2) Contractor shall comply with applicable regulatory requirements and anti-pollution ordinances during the conduct of the Work including, without limitation, demolition, construction, and disposal operations.

F. Lighting :

- (1) If portable lights are used after dark, all light must be located so as not to direct light into neighboring property.

PART 2 ± PRODUCTS Not used.

PART 3 ± EXECUTION Not used.

END OF DOCUMENT

5 : : 5 : 3 - 3 : 5 2

: - 2

2 : 5 3 : 5 5

: 5 2

: 5

3 : 5 :
. 552 : :

5 : : 5 : 3 - 3 :
5 3 : 5 2

: 5 :
: : 5
5 25 :

3 :5 :
. 552 : :

5 : : 5 : 3 - 3 :
5 3 : 5 2

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Requirements for preparing Storm Water Pollution Prevention Plan.

1.2 SCOPE OF WORK

A. General: Provide all materials, equipment and labor necessary to furnish and install straw wattles or erosion/sediment control measures as required.

B. BMP Requirements at Construction Site: The Contractor shall as a minimum address:

1. Cut and fill operations.
2. Temporary stockpiles.
3. Vehicle and equipment storage, maintenance and fueling operations.
4. Concrete, plaster, mortar and paint disposal.
5. Dust control.
6. Tracking of dirt, mud on off-site streets

A. Submittal Procedures: QUALITY ASSURANCE

A. General: Comply with governing codes and regulations.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Straw Wattles: New manufactured straw rolls in compliance with state requirements for sediment control.

B. Filter Bag: As required by local jurisdiction.

EROSION CONTROL
SECTION 01 5713
21-1504

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Straw Wattles: Install as needed.
- B. Filter Bags: Installed as needed.

3.2 MAINTENANCE AND REMOVAL:

- A. General: Maintain and repair existing and new erosion control facilities throughout the
B .

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: VOC restrictions for product categories listed below under Article "DEFINITIONS" and in compliance with the following.

1. California Code of Regulations, Title 24, Part 11, California Green Building Standards Code.

1.2 RELATED REQUIREMENTS

A. 4 23.576

VOLATILE ORGaP-NP(V.VSP--13.5.3RI-2.7.6ISP-EP-21029602 (o)-2 (er)-5.V,c(-2 (ov(-2 (e ba))0)9.6s(-211.6e,)

PART 2 - PRODUCTS

2.1 MATERIALS

A. General.

1. Provide products conforming to local, State and Federal government requirements limiting the amount of volatile organic compounds contained in the product, for its intended application. If specified product exceeds current requirement, provide conforming product at no additional cost.
2. Provide only products having volatile organic compound (VOC) content not greater than required by South Coast Air Quality Management District Rule No.1168 and less where required by code.
 - a. These products may be specified in multiple Sections throughout these specifications.

B. Adhesives, Including Carpet and Cushion Adhesives: Comply with CALGreen Section 5.504 and Table 5.504.4.1.

1. Verification of Compliance: Acceptable types are:
 - a. Report of laboratory testing performed in accordance with requirements.
 - b. Published product data showing compliance with requirements.
 - c. Certification by manufacturer that product complies with requirements.
2. Aerosol Adhesives: Comply with Table 5.504.4.1 of CalGreen Section 5.504, and California Code of Regulations Title 17, Section 94507.
 - a. Verification of Compliance: Acceptable types are:
 - 1) Current GreenSeal Certification.
 - 2) Report of laboratory testing performed in accordance with GreenSeal GS-36 requirements.
 - 3) Published product data showing compliance with requirements.
3. Products used shall comply with the following limits.

Table 5.504.4.1 ADHESIVE VOC LIMIT	
Architectural Applications	Current VOC Limit
a. 428w	

VOLATILE ORGANIC COMPOUND (VOC) RESTRICTIONS
SECTION 01 6116
21-1504

VOLATILE ORGANIC COMPOUND (VOC) RESTRICTIONS
SECTION 01 6116
21-1504

Table 5.504.4.2 SEALANT VOC LIMIT	
Less Water and Less Exempt Compounds in Grams per Liter	
Single-Ply Roof Membrane	450
Other	420
Sealant Primers	Current VOC Limit

VOLATILE ORGANIC COMPOUND (VOC) RESTRICTIONS
SECTION 01 6116
21-1504

- a. 40 CFR

VOLATILE ORGANIC COMPOUND (VOC) RESTRICTIONS
SECTION 01 6116
21-1504

Table 5.504.4.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (See Notes 2 & 3 below)	
Grams of VOC per Liter of Coating, less water and less exempt compounds	
Coating Category	Current VOC Limit 1/1/2012
Stone Consolidants	450

VOLATILE ORGANIC COMPOUND (VOC) RESTRICTIONS
SECTION 01 6116
21-1504

- t. Methyl isobutyl ketone.
- u. Methylene chloride.
- v. Naphthalene.
- w. Toluene (methylbenzene).
- x. 1,1,1-trichloroethane.
- y. Vinyl chloride.

G. Other Product Categories: Comply with limitations specified in related sections.

PART 3 - EXECUTION

3.1 FIELD QUALITY CONTROL

A. Owner r 0 Tc 0.239 -2.141 Td [(3iuTw 1.38d ().9 ()0.5 (C)hcst)10.5 (de.)]TJt attons non0 Tw (-)Tj 4.152 C

VOLATILE ORGANIC COMPOUND (VOC) RESTRICTIONS
SECTION 01 6116
21-1504

END OF SECTION

i:\1504 scusd shade structures multiple sites\4.06 projman\01 6116.20-volatile organic compound (voc) restrictions.docx
Last Updated: January 18, 2022

- D. Contractor shall cover products subject to deterioration with impervious sheet covering and provide ventilation to avoid condensation.
- E. Contractor shall store loose granular materials on solid flat surfaces in a well drained area and prevent mixing with foreign matter.
- F. Contractor shall provide equipment and personnel to store Products by methods to prevent soiling, disfigurement, or damage.
- G. Contractor shall arrange storage of Products to permit access for inspection and periodically inspect to assure Products are undamaged and are maintained under specified conditions.

: ± 5 :

: : 5

END OF DOCUMENT

3 : 5 :
 . 552 : :

5 : 2 : 5 -
 5 3 : . 2 -

- (9) Written permission of District or other District contractor(s) whose work will be affected.

off104 QUALITY ASSURANCE:

- A. Contractor shall ensure that cutting, fitting, and patching shall achieve security, strength, weather protection, appearance for aesthetic match, efficiency, operational life, maintenance, safety of operational elements, and the continuity of existing fire ratings.
- B. Contractor shall ensure that cutting, fitting, and patching shall successfully duplicate undisturbed adjacent profiles, materials, textures, finishes, colors, and that materials shall match existing construction. Where there is dispute

- B. Contractor shall report unsatisfactory or questionable conditions in writing to District as indicated in the General Conditions and shall proceed with Work as indicated in the General Conditions by District.

3.02 PREPARATION:

- A. Contractor shall provide shoring, bracing and supports as required to maintain structural integrity for all portions of the Project, including all requirements of the Project.
- B. Contractor shall provide devices and methods to protect other portions of Project from damage.
- C. Contractor shall, provide all necessary protection from weather and extremes of temperature and humidity for the Project, including without limitation, any work that may be exposed by cutting and patching Work. Contractor shall keep excavations free from water.

3.03 ERECTION, INSTALLATION AND APPLICATION:

- A. With respect to performance, Contractor shall:
 - (1) Execute fitting and adjustment of products to provide finished installation to comply with and match specified tolerances and finishes.
 - (2) Execute cutting and demolition by methods that will prevent damage to other Work, and provide proper surfaces to receive installation of repairs and new Work.
 - (3) Execute cutting, demolition excavating, and backfilling by methods that will prevent damage to other Work and damage from settlement.
- B. Contractor shall employ original installer or fabricator to perform cutting and patching for:
 - (1) Weather -exposed surfaces and moisture -resistant elements such as roofing, sheet metal, sealants, waterproofing, and other trades.
 - (2) Sight -exposed finished surfaces.
- C. Contractor shall execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances, and finishes as shown or specified in the Contract Documents including, without limitation, the Drawings and Specifications.
- D.

requirements of the Contract Documents and as required to match surrounding areas and surfaces.

- F. Contractor shall refinish all continuous surfaces to nearest intersection as necessary to match the existing finish to any new finish.

END OF DOCUMENT

ALTERATION PROJECT PROCEDURES

PART 1 ± GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Integration of Work, Purchase of Materials and Equipment, Uncovering of Work and Non conforming Work and Correction of Work and Trenches;
- B. Special Conditions.

PART 2 - PRODUCTS

2.01 PRODUCTS FOR PATCHING AND EXTENDING WORK:

- A. New Materials: As specified in the Contract Documents including, without limitation, in the Specifications, Contractor shall match existing products, conditions, and work for patching and extending work.
- B. Type and Quality of Existing Products: Contractor shall determine by inspection, by testing products where necessary, by referring to existing conditions and to the Work as a standard.

PART 3 - EXECUTION

3.01 EXAMINATION:

- A. Contractor shall verify that demolition is complete and that areas are ready for installation of new Work.
- B. By beginning restoration Work, Contractor acknowledges and accepts the existing conditions.

3.02 PREPARATION:

- A. Contractor shall cut, move, or remove items as necessary for access to alterations and renovation Work. R8.02 201.9Won-5(s)-8(an)-3(d)-3(r)-3(e)6(n)-5s0262.49ye 612 792 re

- C. Contractor shall trim and seal existing wood doors and shall trim and paint metal doors as necessary to clear new floor finish and refinish trim as required.
- D. Contractor shall fit Work at penetrations of surfaces.

3.06 REPAIR OF DAMAGED SURFACES:

- A. Contractor shall patch or replace portions of existing surfaces, which are damaged, lifted, discolored, or showing other imperfections, in the area where the Work is performed.
- B. Contractor shall repair substrate prior to patching finish.

3.07 CULTIVATED AREAS AND OTHER SURFACE IMPROVEMENTS:

- A. Cultivated or planted areas and other surface improvements which are damaged by actions of the Contractor shall be restored by Contractor to their original condition or better, where indicated.
- B. Contractor shall protect and replace, if damaged, all existing guard posts, 18.71ole

- (1) Measured depths of foundation in relation to finish floor datum.
 - (2) Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permit surface improvements.
 - (3) Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
 - (4) Field changes of dimension and detail.
 - (5) Details not on original Contract Drawings
 - (6) Changes made by modification(s).
 - (7) References to related Shop Drawings and modifications.
- B. Contractor will provide one set of Record Drawings to District.
 - C. Contractor shall submit all required documents to District and/or Architect prior to or with its final Application for Payment.

1.06 INSTRUCTION OF DISTRICT PERSONNEL

- A. Before final inspection, at agreed upon times, Contractor shall instruct District's designated personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. For equipment requiring seasonal operation, Contractor shall perform instructions for other seasons within six months or by the change of season .
- C. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- D. Contractor shall prepare and insert additional data in Operation and Maintenance Manual when the need for such data becomes apparent during instruction.
- E. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.

1.07 SPARE PARTS AND MAINTENANCE MATERIALS

- A. Contractor shall provide products, spare parts, maintenance, and extra materials in quantities specified in the Specifications and in Manufacturer's recommendations.
- B. Contractor shall provide District with all required Operation and Maintenance Data at one time . Partial or piecemeal submissions of Operation and Maintenance Data will not be accepted.

PART 2 ± PRODUCTS Not U sed.

PART 3 ± EXECUTION Not U sed.

END OF DOCUMENT

DOCUMENT 01 78 23

CD9F5H-CB'5B8'A5=BH9B5B79'85H5'

D5FH%È; 9B9F5@

%\$% F9@5H98'8C7I A9BHG'5B8 DFCJ=G-CBG'

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A General Conditions, including without limitation, Completion of the Work;**
- B Special Conditions.**

%\$& EI 5@=HM5GGI F5B79.'

Contractor shall prepare instructions and data by personnel experienced in

- C Contractor shall include color coded wiring diagrams as installed**
- D Operating Procedures: Contractor shall include start-up, break in, and routine normal operating instructions and sequences. Contractor shall include regulation, control, stopping, shut-down, and emergency instructions. Contractor shall include summer; winter; and any special operating instructions.**
- E Maintenance Requirements: Contractor shall include routine procedures and guide for trouble shooting; disassembly, repair; and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.**
- F Contractor shall provide servicing and lubrication schedule, and list of lubricants required**
- G Contractor shall include manufacturer's printed operation and maintenance instructions.**
- H Contractor shall include sequence of operation by controls manufacturer.**
- I Contractor shall provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.**
- J Contractor shall provide control diagrams by controls manufacturer as installed**
- K Contractor shall provide Contractor's coordination drawings, with color coded piping diagrams as installed**
- L Contractor shall provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.**
- M Contractor shall provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.**
- N Additional Requirements: Contractor shall include all additional requirements as specified in Specification(s).**
- O Contractor shall provide a listing in Table of Contents for design data, with tabbed fly sheet and space for insertion of data.**

%\$+ GI 6A=H5@ '

- A Contractor shall submit to the District for review two (2) copies of preliminary draft or proposed formats and outlines of the contents of the Manual within thirty (30) days of Contractor's start of Work**
- B For equipment, or component parts of equipment put into service during construction and to be operated by District, Contractor shall submit draft content for that portion of the Manual within ten (10) days after acceptance of that equipment or component.**

- C. Contractor shall submit two (2) copies of a complete Manual in final form prior to final Application for Payment. Copy will be returned with Architect/Engineer comments. Contractor must revise the content of the Manual as required by District prior to District's approval of Contractor's final Application for Payment.

- D. Contractor must submit two (2) copies as well as a PDF in searchable and tabbed format in Specification Section order of revised Manual in final form within ten (10) days after final inspection.

D5FH&ËDFCSI 7HG'BchI gYX''

D5FH' È'9L97I H-CB 'BchI gYX''

END OF DOCUMENT

D Contractor shall retain warranties until time specified for submittal.

%\$(HA9'C: 'GI 6A=H5@G '

A For equipment or component parts of equipment put into service during

DOCUMENT 01 78 39

F97CF8 '8C7I A9BHG'

D5FH%! ; 9B9F5@'

%\$% F9@5H98 '8C7I A9BHG'5B8 DFCJ=G-CBG '

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A General Conditions, including without limitation, Documents on Work;**
- B Special Conditions.**

D5FH&! F97CF8 '8F5K =B; G'

&\$% ; 9B9F5@'

- (2) Actual numbering of each electrical circuit to match panel schedule.**
- (3) Locations of significant Work concealed inside each building whose general locations are changed from those shown on the Contract Drawings.**

G57F5A9BHC'7=HMI GS'
G\UXYGfi Wi fYg; fci d'85'

F97CF8'8C7I A9BHG'
8C7I A9BHS%+, ' - !%%'

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Railings and handrails.

1.2 RELATED REQUIREMENTS

- A. Section 01 6116, Volatile Organic Compound (VOC) Restrictions; for VOC limits pertaining to adhesives, sealants, fillers, primers, and coatings.
- B. Section 32 1600, Site Concrete.

1.3 REFERENCES AND STANDARDS

- A. California Building Code (CBC), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).
- B. California Green Building Standards Code (CAL Green), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).
- C. American Welding Society (AWS):
 1. A2.4: Standard Symbols for Welding, Brazing, Nondestructive Examination.
 2. B2.1/2.1M: Specification for Welding Procedure and Performance Qualification.
 3. D1.1/D1.1M: Structural Welding Code – Steel.
- D. ASTM International (ASTM):
 1. A36/A36M: Standard Specification for Carbon Structural Steel.
 2. A53/A53M: Specification for ~~Steel~~ ~~Pipe~~, Zinc-

mless.

Specification for Zinc (Hot-Dip Galvanized) Coatings on

Specification for Zinc Coating (Hot-Dip) on Iron and Steel

Specification for Chromium and Chromium-Nickel
Sheet, and Strip for Pressure Vessels and for General

Specification for Stainless Steel Bars and Shapes.

Specification for Carbon Steel Bolts, Studs, and Threaded Rod
Strength.

Standard Practice for Safeguarding Against Warpage and
Galvanizing of Steel Assemblies.

2. Comply with "Pipe Railing Manual" of National Association of Architectural Metal Manufacturers (NAAMM).

2.2 METAL MATERIALS

A. Steel:

1. Steel Shapes, Plates and Bars: ASTM A36/A36M, unless noted otherwise on plans, except 'W' beams shall conform to ASTM A992/A992M.
2. Sheet: Commercial-quality, cold-rolled, stretcher-leveled, carbon-steel sheet complying with ASTM A1008/A1008M, Class I, matte finish.
3. Hollow Structural Sections (HSS): ASTM A500/A500M, Grade B.
 - a. Square and Rectangular: $F_y=46$ ksi.
 - b. Round: $F_y= 42$ ksi.
4. Pipe: ASTM A53/A53M, Type E or S, Grade B, $F_y=35$ ksi; hot dipped galvanized unless otherwise indicated or specified.
5. Hot-Rolled Carbon-Steel Bars: ASTM A575, grade as selected by fabricator.

B. Stainless Steel:

1. Alloy: Type 304 at interior, Type 316 at exterior, unless otherwise indicated or specified.
2. Sheet and Plate: ASTM A240/A240M.
3. Bars: ASTM A276/A276M.
4. Tubing for Railings and Guardrails: ASTM A554.
5. Finish on Exposed Surfaces: American Iron and Steel Institute (AISI) N Care B,-011 Tw 284

METAL FABRICATIONS
SECTION 05 5000
21-1504

D. Fasteners and Connectors:

1. Bolts and Nuts

2.7 CUSTOM FABRICATED ITEMS

- A. Pipe Handrails: Fabricate and install as indicated, complete with rails, posts, fittings, brackets and anchorage.
 - 1. Wherever practical, construct bends and sweeps by bending pipe. Use suitable pipe bending jigs to prevent crushing pipe. For short radius bends and sweeps, use formed, flush, welding type fittings.
 - 2. Except where bolted connections are indicated, welding shall comply with the specified "Finishing" requirements.
 - 3. Bolts, fasteners, and miscellaneous items at exterior handrails shall be galvanized.
- B. Railings: Fabricate from material indicated.
 - 1. Ease corners.
 - 2. Pipe shall be smooth without rough spots, voids or other such imperfections, ready for paint.
 - 3. Welding shall comply with the specified "Finishing" requirements.
 - 4. Bolts, fasteners, and miscellaneous items at exterior railings shall be stainless steel or galvanized.
- C. Rough hardware:
 - 1. Provide bent or otherwise custom fabricated bolts, plates, anchors, hanger, dowel, and other miscellaneous steel and iron shapes as required for framing and for anchoring or securing framing to concrete and other structures.
- D. Miscellaneous Framing and Supports:
 - 1. Provide miscellaneous steel framing and supports which are not part of structural steel framework, as required to complete work.
 - 2. Fabricate miscellaneous units to sizes, shapes and profiles shown; or if not shown,

METAL FABRICATIONS
SECTION 05 5000
21-1504

2.8 MANUFACTURED ITEMS

A. Handrail Brackets:

1. General:
 - a. Provide handrail brackets complete with hanger bolts at locations as indicated on the Drawings.
 - b. Secure to solid backing or backing plates as indicated on the Drawings.
 - c. Secure to handrail with fasteners in accordance with bracket manufacturer's recommendations.
2. Handrail Brackets with Concealed Fasteners: Julius Blum & Co., Inc. Model No. 378 (curved seat), J.G. Braun Company Model No. 4595 (curved seat), or equal.
 - a. Brackets shall be 3-1/4 inch diameter with a curved seat to receive circular railing centered 2-1/2 inches from face of finish wall.
 - b. Bracket shall be malleable iron for a painted finish.
3. Finishes:
 - a. Channel Supports: Manufacturer's standard prime paint finish.
 - b. Anchors and Fasteners: Galvanized or plated.
 - c. Components, fasteners, and anchors at exterior or exposed to weather shall be galvanized with G90 coating.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to all work of this Section, carefully inspect and verify that the installed work of all other trades is complete to the point where fabrication and installation of the work of this Section may properly commence.
- B. Make all required measurements in the field to ensure proper fit of miscellaneous metal items.
- C. Verify that miscellaneous metal may be fabricated and installed in strict accordance with the original design and the approved Shop Drawings.
- D. In the event of discrepancy, immediately notify the Architect. Do not proceed with fabrication or installation in discrepant areas until discrepancies have been fully resolved.

3.2 PREPARATION

- A. Furnish setting drawings, diagrams, templates, instructions and directions for installation

METAL FABRICATIONS
SECTION 05 5000
21-1504

- C. Longitudinal members shall be parallel to each other, to floor surface, or to slope of stairs as shown.
- D. Center line of members within each railing run shall be in same vertical plane.
- E. Adjust railings prior to securing in place to ensure proper matching at butting joints and correct alignment throughout their length. Plumb posts in each direction. Remove any

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Code required signage.
 - 2. Exterior building identification and other non-code signage.

1.2 RELATED REQUIREMENTS

- A. Section 01 6116, Volatile Organic Compound (VOC) Restrictions; for VOC limits pertaining to adhesives, sealants, fillers, primers, and coatings.
- B. Division 26, Electrical.
- C. Signage requirements included on the Drawings.

1.3 REFERENCES AND STANDARDS

- A. California Building Code, edition as noted on the drawings, as adopted by the California Division of the State Architect (DSA).
- B. California Green Building Standards Code (CAL Green), edition as noted on drawings, as adopted by the California Division of the State Architect (DSA).
- C. Title 19, CCR, Article 33.01(i).
- D. American National Standards Institute (ANSI):
 - 1. A-117.1: Accessible and Usable Buildings and Facilities.
- E. ASTM International (ASTM):
 - 1. A53/A53M: Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
 - 2. A153/A153M: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Submittal Procedures:
 - 1. Action Submittals and Informational Submittals shall be submitted in accordance with Section 01 3300, Submittal Procedures.
 - 2. Closeout Submittals shall be submitted in accordance with Section 01 7700, Closeout Procedures.
- B. Coordination:

SIGNAGE
SECTION 10 1400
21-1504

1. Prior to production of shop drawings and samples, coordinate a pre-submittal conference with Architect to confirm submittal requirements, schedule, and sign review process.
2. For signs supported by or anchored to permanent construction, advise installers of anchorage devices about specific requirements for placement of anchorage devices and similar items to be used for attaching signs. Provide template for placement of sign-anchorage devices embedded in permanent construction by other installers.

2 . 6

SIGNAGE
SECTION 10 1400
21-1504

PART 2 - PRODUCTS

2.1 DESIGN AND PERFORMANCE CRITERIA

A. Regulatory Standards:

1. Except as otherwise specified or shown, signage shall conform to the following:
 - a. ANSI A-

- 1) Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.
- c. Text Descriptors: Section 11B-703.6.3.
 - 1) Locate text descriptors directly below the pictogram field.
 - 2) Text shall be raised characters with braille directly below.
5. International Symbol of Accessibility: Section 11B-703.7.2.1.
6. Toilet Room Door Symbols: Section 11B-703.7.2.6.
7. Tactile Exit Signs: Tactile exit signage to comply with 1013.4 and 11B-703.4.

C. Sustainable Design:

1. VOC emissions for field-applied adhesives, sealants, and sealant primers must comply with limits specified in Section 01 6116.

D. Materials, Unless Otherwise Noted:

Manufacturer and Product: "Inlaid Tactile Sign" by Accent Signage Systems, Inc. Minneapolis, MN, 800-215-9437 as specified and the basis of design; Ellis & Ellis Sign Systems, Sacramento, CA, 916-924-1936; ASI-Modulex, Los Altos, CA, 650-940-1354; Weidner Architectural Signage, Sacramento, CA; or equal.

1. Sign Face: Two 1/8-inch plies with eased edges; New Hermes "Gravo-Tac," or equal.
 - a. Total Thickness: 1/4 inch.
 - b. Painted signs will not be accepted.
2. Tactile Text: Provide tactile text and "Raster" Braille at plastic tactile signage.
 - a. Tactile text shall be inlaid into sign face 1/32-inch and raised 1/32-inch minimum above sign face surface.
 - b. Inlaid text shall be 1-ply, 1/16-inch thick material; "Gravo-Tac" Exterior or equal.
 - c. Provide text and graphics precisely formed, uniformly opaque to comply with relevant ADA regulations and requirements indicated for size, style, spacing, content, position and colors.
 - d. Symbols where specified shall be International Style.
 - e. Braille shall be Contracted (Grade 2) Braille.
 - 1) Dots shall be 0.10-inch on centers in each cell, 0.30-inch on center between corresponding dots in adjacent cells, and 0.395-inch minimum to 0.400-inch maximum on center between corresponding dots in cell directly below.
 - 2) Dots shall be raised a minimum of 0.025-inch and a maximum of 0.037-inch above the background, and a base diameter of 0.025-inch.

SIGNAGE
SECTION

- F. Sign Types: Provide braille translation directly below the raised characters.
 - 1. Toilet Room Identification Sign: In addition to the specified Door Symbol, provide a Toilet Room Identification Sign at the strike side of every toilet room door.
 - a. Sign shall include an International Symbol of Accessibility, pictogram, and raised characters, specifying the room name with Braille translation below pictogram.

2.2 PLASTIC SIGNS - NON-TACTILE

A. Materials, Unless Otherwise Noted:

Manufacturer and Product: Acrylic panel sign as manufactured and distributed by Ellis & Ellis Sign Systems, 916-924-1936, as specified and the basis of design, or equal.

- 1. Sign Face: 1/4-inch, matt finish, non-glare acrylic with subsurface vinyl and paint. Painted faces will not be accepted.
- 2. Colors: Colors shall match specified Tactile Signs and as selected by Architect and Owner.
 - a. Integral materials shall be U.V. stabilized.
 - b. Graphics and text shall be in high contrast (light color) with background (dark) color.

B. Fabrication:

- 1. Sign Thickness: 1/4-inch.
- 2. Character Style, Size and Layout Position:
 - a. Characters shall be a minimum of 1-inch high, unless otherwise indicated.
 - b. The stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 20 percent maximum of the height of the character.
 - c. The width of the uppercase letter "O" shall be 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".
 - d. Letter style to be Sans Serif, uppercase.
 - e. Space characters 10 percent minimum and 35 percent maximum of height of characters, measured between two closest points of adjacent characters, excluding word spaces.
 - f. Spacing between baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of character height.
- 3. Text Schedule: Confirm text, symbols and numbering Architect and Owner using the shop drawing/submittal process.
- 4. Sign Size: As indicated on the Drawings or, if not shown, as reasonably required to accommodate text and symbols.
 - a. Where signs are installed on window glazing, fabricate a blank sign back to match in size and shape to sign.
 - b. Sign backs will cover back side of sign from view through window on opposite side of sign.

1. Gate Sign: 4-inch high lettering in all caps to read: "EXIT".
 - a. Provide at exit gate(s) as shown.
 - b. Colors: As selected by Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Floor-

PLASTIC TOILET COMPARTMENTS
SECTION 10 2113
21-1504

1. Floor anchor plates for partitions shall be secured to structural subfloor prior to installation of mortar setting bed for tile floor.
2. Coordinate with placement of support framing and anchors in walls.

1.5 ACTION SUBMITTALS

- A. Shop Drawings: Submit plan, interior elevations and details showing components, connections and anchorages, adjacent materials, fully dimensioned and noted. Include blocking layout for use in structural framing.
- B. Product Data: Submit list and manufacturer's complete descriptive data of products proposed for use. Include manufacturer's installation and maintenance instructions.
- C. Samples:
 1. 6-inch-square or larger sample of panel corner in selected color, showing core, edge treatment, and corner treatment.
 2. Manufacturer's full range of colors for Architect's selection.
 3. Hardware samples, if requested by Architect.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer and installer.
- B. Certification: Submit certification showing independent testing that compartments comply with NFPA 286.
- C. Evidence that plastic panels are Greenguard Certified
- D. Sample of manufacturer's warranty.

1.7 CLO/ 0 Tw 1 0p [(s)-2 (wt4)]TJ9.6GrSam3(t)-6TJ9.6GtT [(s)-2T [(s)-2Ap [(s)-2 ()Tj EMC /LBoTc 228/MCI

- D. All materials, components, assemblies, workmanship and installation are to be observed by the Owner's Project Inspector. Work not so inspected is subject to uncovering and replacement.

1.9 DELIVERY, STORAGE AND HANDLING

- A.

PLASTIC TOILET COMPARTMENTS

PLASTIC TOILET COMPARTMENTS
SECTION 10 2113
21-1504

5. On outswing doors, door keeper shall prevents door from swinging in beyond stile.
 6. Bumper: Extruded black vinyl.
- E. Locking: Door locked from inside by sliding door latch into keeper.
- F. Coat Hook and Bumper:
1. Combination type.
 2. Equip outswing doors at accessible compartments with second door pull and door stop.
 3. Mount hook at 48-inches above the finished floor in center of door on the inside of the stall.
- G. Door Pulls:
1. Provide door pull and wall stop for outswinging doors.
 2. Equip doors to accessible stall with both inside and outside pulls.
 3. Pulls shall be "U" shaped.
- H. Fasteners: As recommended by partition manufacturer and the following:
1. Use stainless steel hardware to attach panel-to-stile brackets, coat hooks, and latch keepers.
 2. Exposed Bolts and Screws: Theft-resistant, one-way heads, stainless steel, ASTM A167; Type 304, pinhead Torx screws.

2.6 COLORS AND FINISHES

- A. Color of HDPE: match existing.
- B. Stainless Steel: No. 4 satin finish.
- C. Aluminum: Clear Anodized.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation, carefully inspect and verify that the installed work of other trades is complete to the point where this installation may properly commence.
- B. Verify that toilet partitions may be installed in complete accordance with the original design. Verify solid blocking has been provided in walls and ceilings at all partition and

3.2 INSTALLATION

A. General:

1. Install all toilet partitions and screens where indicated on the Drawings and reviewed shop drawings, anchoring

PLASTIC TOILET COMPARTMENTS
SECTION 10 2113
21-1504

3.5 CLEANING

- A. Upon completion, and as a condition of acceptance, visually inspect the entire work of

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Toilet accessories.

1.2 RELATED REQUIREMENTS

- A. Section 10 2113, Plastic Toilet Compartments.
- B. Division 26, Electrical.

1.02 T5.4-52113NC521T58)5 DEF TJ -3.4 4 Tw13J -3.4 .

- A. California Building Code (CBC), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).
- B. California Green Building Standards Code (CAL Green), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Submittal Procedures:
 - 1. Action Submittals and Informational Submittals shall be submitted in accordance with Section 01 3300, Submittal Procedures.
 - 2. Closeout Submittals shall be submitted in accordance with Section 01 7700, Closeout Procedures.
- B. Coordination: Coordinate with other trades as required to ensure proper and adequate provision in framing and wall finish for the installation of the selected toilet accessories in the locations required including recessed items)

1.5 ACTION SUBMITTALS

- A. Product Data: Submit list of each required accessory and complete descriptive data of products proposed for use. Include manufacturer's specifications, published warranty, installation instructions, and maintenance instructions.

1.6 INFORMATIONAL SUBMITTALS

- A. Sample of manufacturer's warranty.

1.7 CLOSEOUT SUBMITTALS

- A. Warranty/Guarantee: Submit executed warranty and Subcontractor's guarantee.
- B. Maintenance data and operating instructions.

**TOILET ACCESSORIES
SECTION 10 2813
21-1504**

1.8 QUALITY ASSURANCE

A.

1. Manufactured accessories not specified shall require approval as a substitution to be considered equal. Refer to substitution requirements specified in Section 01 3300, Submittal Procedures.
2. Although multiple manufacturers may be specified for a specific accessory, all accessories shall be the product of a single manufacturer, unless otherwise specified or approved.

2.3 MANUFACTURED UNITS

- A. Grab Bars: 18 gauge 1-1/2 inch outside diameter, type 304 stainless steel welded to 1/8 inch type 304 solid stainless steel wall plates; Bobrick Series B-6806, Bradley 812 Series, or equal.
 1. Configurations and Lengths: As shown.
 2. Grab bar shall withstand a 250 pound point load.
 3. Joints ground and polished.
 4. Finish on Exposed Surfaces: Satin.
 5. Fastening: Concealed, vandal resistant.

2.4 FASTENINGS

- A. Toilet accessories shall be complete with required fastenings.
- B. Fastenings shall either harmonize with the item being fastened, or be of the concealed type.
- C. Exposed fastenings shall be theft and vandal-resistant.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation of the Work of this Section, carefully inspect and verify that the installed Work of other trades is complete to the point where this installation may properly commence.
- B. Verify that specified items may be installed in accordance with the approved design.
- C. In the event of discrepancy, immediately notify the Architect. Do not proceed in discrepant areas until discrepancies have been fully resolved.

3.2 PREPARATION

- A. The Contractor shall provide recesses, anchorage and back-up blocking in sizes and in locations as required for proper installation of accessories. Coordinate with other trades where necessary to make provisions for installation.
- B. Securely anchor items in place in locations and at mounting heights indicated. Where specific dimensions are not noted, installation shall be approved by the Architect.

TOILET ACCESSORIES
SECTION 10 2813
21-1504

- C. Securely fasten grab bar mounting plates to solid framing or blocking, in accordance with CBC.

3.3 INSTALLATION

- A. Grab bars: Solidly anchor grab bars to withstand minimum downward pull of 500 pounds between any 2 supports after installation.
- B. Sealants: Comply with requirements of Section 07 9200, Joint Sealants.

3.4 CLEANING AND ADJUSTING

- A. Upon completion of installation, remove manufacturer's temporary labels, marks of identification.
- B. Thoroughly wash surfaces, remove foreign materials, polish surfaces.
- C. Leave entire accessories in neat, orderly, clean, acceptable condition as approved.
- D. Replace damaged parts, surfaces which are not free from imperfections.

3.5 PROTECTION

- A. Protect Work and materials of this Section prior to and during installation, and protect the installed Work and materials of other trades.
- B. In the event of damage, make repairs and replacements necessary to the approval of the Architect at no additional cost to the Owner.
- C. Exposed finish shall be free from scratches, dents, permanent discolorations and other defects in workmanship or material.

END OF SECTION

i\1

PART 1 GENERAL

1.1 SCOPE

- A. Furnish and install all electrical systems as shown and specified, including wiring and connections to certain equipment furnished by others and any work not specifically noted but that can be reasonably inferred or is necessary to provide a complete functional system.
- B. There is no pre-bid equipment or materials for this project. Contractor shall order, furnish, and install all materials and equipment required for a complete and fully functional installation. All costs for material and installation shall be included in Contractors bid.
- C. Contractor shall guarantee installation, material and equipment for a period of one (1) year from date of final completion.
- D. It is mandatory for all bidders to attend the pre-bid walk.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 01 7329 – Cutting and Patching
- B. Section 01 3516 – Alteration Project Procedures
- C. Section 07 8400 – Fire Stopping

1.3 PRODUCT HANDLING

- A. Contractor shall be responsible for delivery, storage, protection and placing of all equipment and materials.
- B. Pro6.3 (ng)TJ0 Tc 0nb.3 (ng)TJ0 Tc .oM -0.05c 0.002 Tw13M -0..3 (er)-3.C6.3 (non0 Tc .o4 (e,)7.cor)7.3 (ag

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

1.5 INSPECTIONS

- A. Inspections required during construction shall be arranged by the Contractor. On completion of the work, furnish Engineer with certificates of inspection

1.6 DRAWINGS AND SPECIFICATIONS

- A. Information presented in the specifications and on the drawings are as exact as could be secured but their extreme accuracy is not guaranteed. The Drawings and Specifications are for the assistance and guidance of the Contractor, and exact locations, distances, levels, etc., will be governed by the site and building, and the Contractor shall accept same with this understanding.
- B. The drawings indicate schematically the layouts of equipment, accessories and wiring systems

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

regarded as general only and shall not relieve the Contractor from complying with the requirements of the Drawings and Specifications; the Contractor shall be responsible, at his own expense, for any damage caused by proposed substitutions, which affect other parts of his own work or the work of other contractors.

- C. Only one proposed substitution will be considered for each item. No consideration will be given to substitutions past 10 day limit. Should the original submittal of a proposed substitution be rejected, the specified item shall be furnished.
- D. The submittal of a proposed substitution shall clearly establish the following:
 - 1. The item can be transported into and installed in the intended space and in the manner shown.
 - 2. Required connections (electrical, conduit, and other) can be properly made and adjoining work can be properly accomplished.
 - 3. The proposed substitute is similar to and of substance equal to that specified, is suited to the same use as that specified, and will perform the functions required by design.
- E. By submitting a proposed substitution, the Contractor agrees to the following:
 - 1. He will assume full responsibility for any and all modifications necessary alterations arising from the use of the substitute item or material including all cost incurred by all other trades.
 - 2. He will assume full responsibility for any delay in the construction schedule resulting from the use of the substitution.
 - 3. He will prove harmless and indemnify the Owner and the Owner's design consultants from real or alleged damages that may result from the installation, use, or performance of a substitute material product.
- F. The following conditions apply to substitutions:
 - 1. Submittals of substitutions are not and do not become part of the contract documents.
 - 2. Contractor shall not order, fabricate, use, or install any substitute product or procedure unless he has received acceptance of the substitution from the Engineer.
 - 3. Should the Contractor install any substitute product in violation of the above he shall remove it and install the specified product at his own expense.
 - 4. The Contractor shall provide a letter stating that all the above items shall apply to all substituted products and equipment.
 - 5. Any submittal for substituted equipment or product that does not clearly show that the substituted item is equal shall be rejected and no further submittal shall be allowed on the substituted item. Provide in submittal format documentation that the proposed item is exactly as specified in the contract documents.

1.11 SHOP DRAWINGS AND SUBMITTALS

- A. General
 - 1. Within 15 calendar days after award of the Contract, and before fabrication and installation of any material, submit for approval six copies of complete submittal data containing

1.12 WORKMANSHIP

- A. Good workmanship shall be evidenced in the installation of all electrical materials and equipment. Equipment shall be level, plumb and true with the structure and other equipment. All materials shall be firmly secured in place and adequately supported and permanent. The requirements of the codes are mini

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

2.4 ELECTRIC METALLIC TUBING (EMT)

- A. Shall be galvanized steel, thin wall. Maximum trade size to be used shall be 4". May not be used underground, under floor, exposed to weather, in concrete, or in any location subject to physical damage.
- B. Connectors and couplings shall be steel rain-tight compression type requiring the tightening of a nut for trade sizes ¾-inch and smaller and set screw type for 1-inch and greater, all with insulated throat.

2.5 FLEXIBLE STEEL CONDUIT

- A. Shall be galvanized steel with minimum trade size of 1/2". In wet and corrosive locations, outside, or motor connections, shall be liquid-tight. May be used to connect recessed lighting fixtures or mechanical controls and equipment. Length shall be kept to a minimum but to allow for movement or removal of equipment. Leave slack in flex connection to maintain flexibility of conduit, minimum of 3' of flex & one (1) 90° bend.
- B. Connectors shall be tite-bite type with insulated throat Crouse-Hinds Series ACB or T & B Series 3110; connectors for liquid-tight shall be with insulated throat Crouse-Hinds Series LTC or T & B Series 5331 with sealing "O"- ring at outside of enclosure.

2.6 INTERMEDIATE METAL CONDUIT

- A. Lightweight rigid steel conduit, light wall, with threaded fittings. Conduit shall be zinc coated on both inside and outside by hot dipping or sherardizing process, use only threaded connections, coupling or fittings.
- B. Threaded conduit shall be interchangeable with standard rigid steel conduit fittings. Fitting shall be standard rigid steel conduit fittings.
- B. Threaded conduit shall be interchangeable with standard rigid steel conduit fittings. Fitting shall be standard rigid steel conduit fittings.

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

- C. Control conductors may be black or color other than shown above.
- D. Conductors in sizes up through #8 AWG shall have solid color finish as listed above. #6 AWG and larger shall be color coded by either solid color finish or application of phase tape for minimum of 6" length on conductor. Coding shall occur at all terminations, pull boxes and splices.
- E. Color-coding shall be continuous and consistent throughout the work. Do not use different colors for switch legs, fixture taps, travelers, etc.
- F. Phasing: Terminals in panelboards, motor control centers, switchboards and other equipment shall be phased A, B, C, reading left to right or top to bottom.

ELECTRICAL BASIC MATERIALS AND METHODS

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

- C. GFCI Receptacles: Rated 20 amperes at 125 volts, double sided contact, back side wired, Ivory color.

<u>Manufacturer</u>	<u>Duplex 3-Wire Grounding</u>
Pass & Seymour	2097
Cooper	2097
Leviton	GFNT2

- D. Refer to drawings for special outlets.

2.11 FIRESTOPPING

- A. Fire stopping shall be: As manufactured by Hilti Construction Chemicals, Inc. or Equal

2.12

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

be fitted with steel escutcheon plates, chrome or paint finish as directed. Conduits, which penetrate, floor slabs and concrete or masonry walls shall be grouted and sealed watertight at penetration.

3.4 FIRESTOPPING AND FIRE RATED PENETRATION

- A. Maintain fire rating of all fire rated walls, ceilings, floors, roof, etc. Use UL listed Hilti Construction Chemicals, Inc product, suitable for the application. Installation shall also maintain watertight integrity through all penetrations where water may be present. Install in accordance with manufacturer's recommendations and within UL Listing installation requirements.

3.5 EXCAVATION AND BACKFILL

- A. Perform excavation and backfill required for electrical installation. Restore all surfaces, roadways, walks, curbs, walls, existing underground installations to original condition in an acceptable manner.
- B. Install utility locator tape in all trenches.
 - 1. For all trenches, provide a 6-inch-wide non-biodegradable metal-detectable polyethylene tape at 12 inches below grade, 5-mil thick, labeled "CAUTION ELECTRIC LINE BURIED BELOW". Fluorescent red for electric power conduits and fluorescent orange "TELECOMMUNICATIONS" for telephone and signal conduits. Use Fluorescent red for common trenches. Tape shall be continuous for full length of trench.
- E. Excavation: Dig trenches straight and true to line and grade with bottom smooth of any rock points. Support conduit for entire length of undisturbed original finished or natural grade (unless noted otherwise).
 - 1. Backfill: Backfill shall be tamped in six inch (6") layers, with rock free sand to 6" cover above the conduit then Class #2 Road Base to finish grade as directed by settlement. Backfill under floor slabs on grade shall conform to applicable requirements of other sections of the Specifications.

3.6 EQUIPMENT IDENTIFICATION

- A. Nameplates shall

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

- F. Coordinate with the local power utility to obtain the available short circuit current for the electrical service. Provide a phenolic label at the main switchboard noting the available short circuit current and the date the information was obtained.

3.7 EQUIPMENT FINISH AND PAINTING

- A. All electrical equipment, including switchboards, switchboard circuit breakers, panelboards, disconnect switches, time switches, contactors, motor starters, pullboxes, cable tap boxes, etc. located in finished areas shall be painted out to match adjacent finish. Coordinate with Architect to confirm color prior to painting.
 - 1. Refer to section 09 9000 Painting and Coating for requirements.

3.8 GROUNDING AND BONDING

- A. Provide grounding and bonding for all electrical equipment in accordance with the applicable codes, rules and regulations. Permane

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

- E. Hanger straps, rods, or pipe supports under concrete shall be attached to inserts set at the time the concrete is poured. Under wood use bolts, lag bolts, or lag screws; under steel joists or trusses use beam clamps.
- F. Conduit shall be supported at intervals not exceeding 10 feet and in all cases with support not more than 3 feet from the outlet and at any point where it changes in direction. Perforated strap and plumber's-tape shall not be used in the support of conduits.

FIELD QUALITY CONTROL

- A. Test all wiring and connections for continuity and grounds before any fixtures or equipment are connected and where such tests indicate faulty insulation or other defects, they shall be located, repaired and tested again at the Contractor's expense. Electrical loads shall be balanced at the panelboards and motors shall be checked for correct rotation.
- B. After the installation is completed and at such time as Project Coordinator may direct, conduct an operating test for approval in accordance with NETA Standards. Demonstrate equipment to be in conformance with applicable Codes and operate in accordance with Requirements 23 (a) (5) - 36 (5) (D) (2) (1) - 40 (

ELECTRICAL BASIC MATERIALS AND METHODS
SECTION 26 0510
21-1504

3.11 CONDUCTOR SPLICING

- A. Visual Inspection
1. Inspect cables for physical damage and proper connection in accordance with single line diagram. Inspect conductor strands for scarring. Any scarring shall require the cutting of the cable/conductor end to remove the damaged strands.
 2. Splices shall be tested in accordance with NETA 7.3.2.3 TEST VALUES, paragraph 3 “Microhm or millivolt drop values shall not exceed the high levels of the normal range as indicated in the manufacturer’s published data. If the manufacturer’s data is not available, investigate any values which deviate from similar connections by more than 50 percent of the lowest value.
 - a.) In other words; test all of the splices and compare the values. Splices with test values that exceed 50 percent of the lowest value obtained shall be removed and the conductors re-spliced.
 3. After the testing of the splice is complete and the application of the shrink insulation perform an “insulation-resistance test on each conductor with respect to ground and adjacent conductors” with an applied potential of 1000 volts per NETA 7.3.2.2 Electrical Tests and specification 26 00 00, section 3.
 - a.) Per NETA 7.3.2.3.4 “minimum insulation-resistance values should not be less than 50 megohms.

ELECTRIC

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Engineered fill materials.
 - 2. Imported engineered fill material.
 - 3. Landscape backfill material'
 - 4. Aggregate base.

1.2 RELATED REQUIREMENTS

- A. Document 01 5000, Temporary Facilities and Controls.
- B. Section 01 5713, Erosion Control.
- C. Section 31 2333, Trenching and Backfilling.
- D. Section 32 1200, Asphalt Concrete Paving.
- E. Section 32 1600, Site Concrete.
- F. Section 33 4000, Storm Drainage Utilities.

1.3 REFERENCES AND STANDARDS

- A. California Building Code (CBC), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).
- B.

**EARTHWORK
SECTION 31 0000
21-1504**

5. D422-

completion of the project. Correcting of inadequate compaction or moisture content is the sole responsibility of the contractor.

- D. Use only new materials and products, unless existing materials or products are specifically shown otherwise on the Drawings to be salvaged and re-used.
- E. All materials, components, assemblies, workmanship and installation are to be observed by the Owner's Project Inspector. Work not so inspected is subject to uncovering and replacement.
- F. Tests (See Part 3, Article "Testing and Observation" for Compaction Testing).

1.9 DELIVERY, STORAGE AND HANDLING

- A. Transport, store and handle in strict accord with the local jurisdiction.

1.10 FIELD CONDITIONS

1.11 EXISTING SITE CONDITIONS

- A. Contractor shall acquaint himself with all site conditions. If unknown active utilities are encountered during work, notify Architect promptly for instructions. Failure to notify will make Contractor liable for damage to these utilities arising from Contractor's operations subsequent to discovery of such unknown active utilities.
- B. Existing civil and electrical improvements are shown on respective site plans to the extent known. Should the Contractor encounter any deviation between actual conditions and those shown, he is to immediately notify the Architect before continuing work.

1.12 ON SITE UTILITY VERIFICATION

**EARTHWORK
SECTION 31 0000
21-1504**

- B. In accordance with generally accepted construction practices, the Contractor shall be solely and completely responsible for working conditions at the job site, including safety of all persons and property during performance of the work. This requirement shall apply continuously and shall not be limited to normal working hours.
- C. Any construction review of the Contractor's performance conducted by the

**EARTHWORK
SECTION 31 0000
21-1504**

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Engineered Fill Materials: All fill shall be of approved local materials supplemented by imported fill if necessary. "Approved" local materials are defined as local soils tested and approved by Geotechnical Engineer free from debris, and concentrations of clay and organics; and contain rocks no larger than 3-inches in greatest dimension. The soil and rock should be thoroughly blended so that all rock is surrounded by soil. This may require mixing of the soil and rock with a dozer prior to placement and compaction. Clods, rocks, hard lumps or cobbles exceeding 3-inches in final size shall not be allowed in the upper 12 inches of any fill.
- B. Imported Engineered Fill Material: Imported fill may be required to complete work. Proposed import fill material shall meet the above requirements; shall be similar to the native soils. Import fill shall meet the above requirements; shall have plasticity index of 15 or less; an Expansion Index of 20 or less; be free of particles greater than three-inch (3") in largest dimension; be free of contaminants and have corrosion characteristics within the acceptable limits. All import fill material shall be tested and approved by Soils Engineer prior to transportation to the site. Proposed fill material shall comply with DTSC guidelines to include Phase 1 environmental site assessment and related tests. Refer to the October 2001 DTSC Information Advisory for clean imported fill material.
1. DTSC TESTING: Site work contractor is to coordinate testing with an analytical lab, hired by the owner, licensed by the State of California for the DTSC testing. The costs associated with testing will be paid by the contractor.
 2. DTSC testing shall include documentation as to the previous land use, location, and history. Soils shall be analyzed for all compounds of concern to ensure the imported soil is uncontaminated and acceptable. Testing shall be performed per the recommendations included in DTSC Imported Fill Advisory

EARTHWORK

**EARTHWORK
SECTION 31 0000
21-1504**

- D. If the Contractor should fail to meet the compaction or design requirements embodied in this document and on the applicable plans, he shall make the necessary readjustments until all work is deemed satisfactory, as determined by the Geotechnical Engineer or Architect/Engineer.
- E. After each rain event Geotechnical Engineer shall test fill material for optimum moisture. Do not place any fill material until desired moisture is achieved.

3.5 CLEARING AND GRUBBING

- A. Prior to grading, remove all debris off-site. Remove trees and brush including the root systems. Holes resulting from tree and brush removal should be prepared and backfilled in accordance with paragraphs 3.7, 3.8, 3.9, and 3.10. This may require deepening and/or widening the holes to adequately remove disturbed soil and provide room for compaction equipment. Strip the surface of all organics.

3.6 CUTTING

- A. Do all cutting necessary to bring finish grade to elevations shown on Drawings.
- B. When excavation through roots is necessary, cut roots by hand.
- C. Carefully excavate around existing utilities to avoid unnecessary damage. The contractor shall anticipate and perform hand work near existing utilities as shown on the survey, without additional claims or cost.

3.7 STRUCTURAL EXCAVATION

- A. General: Excavate to bear on firm material at contract depth shown on Drawings.
- B. Footings: All footing excavations shall be of sufficient width for installation of formwork, unless earth will retain its position during concreting. All portions of footings above grade must be formed. In the event that footings are placed against earth, footing widths below grade shall be increased 2 inches from those shown on Drawings and positive protection shall be provided for top corners of trench.
- C. Unsuitable Ground: Any errors in structural excavation, soft ground, or clay soils found when excavating shall be reported to Architect. In no case shall work be built on any such soft or clayey unsuitable surface without direction from the Architect. Restore excavations to proper elevation with engineered fill material compacted to 90% of dry density.

3.8 SUBGRADE PREPARATION

- A. Grade compact and finish all subgrades within a tolerance of 0.10' of grades as indicated on Drawings and so as not to pool water. Subgrade within building pads and concrete walks shall be within 0.05' of grades indicated.
- B. After clearing, grubbing and cutting, subsurface shall be plowed or scarified to a depth of at least 12", until surface is free from ruts, hummocks or other uneven features. Moisture condition to least 2% above optimum moisture content and recompact to at

**EARTHWORK
SECTION 31 0000
21-1504**

least 90% of the maximum dry density as determined by ASTM Test Method D1557. If the existing soils are at a water content higher than specified, the contractor shall provide multiple daily aerations by ripping, blading, and/or discing to dry the soils to a moisture content where the specified degree of compaction can be achieved. After seven consecutive working days of daily aerations, and the moisture content of the soil remains higher than specified, the contractor shall notify the architect. If the existing soils have a moisture content lower than specified, the contractor shall scarify, rip, water and blade existing soil to achieve specified moisture content. The contractor shall make proper allowance in schedule and methods to complete this work.

- C. After subgrade for fill within building pad area or within paved areas has been cleared, plowed and scarified, it shall be disked or bladed until uniform and free from large clods, brought to (optimum) (2% above optimum) moisture content and compacted to not less than 90% of maximum dry density, as determined by ASTM Test Method D1557, and such expressed percentage thereof will be minimum acceptable density for specified work.
- D. Subgrade in areas to receive landscaping shall be compacted to (90%).
- E. Where Contractor over-excavates building pads through error, resulting excavation shall be recompacted as engineered fill at Contractor's expense.

3.9 PLACING, SPREADING AND COMPACTING FILL MATERIAL IN BUILDING PAD AND PAVEMENT AREAS

- A. Selected fill material shall be placed in layers which, when compacted, shall not exceed 6 inches in compacted thickness. Each layer shall be spread evenly and thoroughly mixed to insure uniformity in moisture content.
- B. Selected fill material shall be moisture-conditioned to specified moisture content. Selected fill material shall be unfrozen. When moisture content of fill material is below that specified, add water until proper moisture content is achieved. When moisture content is above that specified, aerate by blading or other methods mentioned in 3.08 B until moisture content is satisfactory.
- C. After each layer has been placed, mixed and spread evenly, it shall be thoroughly compacted to a minimum of 90% as determined by the ASTM D1557 Compaction Test. Compact each layer over its entire area until desired density has been obtained.
- D. **Recompaction of Fill in Trenches and Compaction of Fill Adjacent to Walls:** Where trenches must be excavated, backfill with material excavated. Place in lifts that when compacted do not exceed 6", moisture conditioned to at least 2% above optimum moisture content, and compact to a minimum of 90% relative compaction in building pad and paved areas, and to 90% relative compaction in landscape areas.
- E. Jetting of fill materials will not be allowed.

3.10 FINAL SUBGRADE COMPACTION

- A. Concrete Flatwork: Upper 12" of all subgrades shall be uniformly compacted at specified moisture content to at least 90% of maximum dry density, as determined by ASTM D1557 Compaction Test, regardless of whether final subgrade elevation is attained by filling, excavation, or is left at existing grade. After acceptance of final compaction test, contractor shall maintain the required moisture content of subgrade until concrete flatwork is placed.

**EARTHWORK
SECTION 31 0000
21-1504**

used for turf areas the finish grade on which it is placed shall be lowered to allow for sod thickness.

- B. All landscape areas shall be approved by Architect prior to any planting.

3.14 SURPLUS MATERIAL

- A.

TRENCHING AND BACKFILL

1. **Time** .

1.2 RELATED REQUIREMENTS

- A. Document 01 5000, Temporary Facilities and Controls.
- B. Section 31 0000, Earthwork.
- C. Section 33 4000, Storm Drainage Utilities.

1.3 REFERENCES AND STANDARDS

- A. California Building Code (CBC), edition as noted.

TRENCHING AND BACKFILLING
SECTION 31 2333
21-1504

1.7 CLOSEOUT SUBMITTALS

- A. Guarantee: Submit subcontractor's guarantee.

1.8 QUALITY ASSURANCE

- A. Contractor / Installer shall have been in business for five (5) years providing/finishing similar size projects and complexity.
- B.

TRENCHING AND BACKFILLING
SECTION 31 2333
21-1504

- E. Surface Drainage: Provide for surface drainage during period of construction in manner to avoid creating nuisance to adjacent areas. Keep all excavations free from water during entire progress of work, regardless of cause, source or nature of water.
- F. Adjacent streets and sidewalks shall be kept free of mud, dirt or similar nuisances resulting from earthwork operations.
- G. The site and adjacent influenced areas shall be watered as required to suppress dust nuisance.
- H. Trees: Carefully protect existing trees which are to remain.

1.12 TRENCH SAFETY PROVISIONS

- A. General Contractor shall be solely responsible for safety design, construction and coordination with agencies having jurisdiction. If such plan varies from shoring system standards established by Construction Safety Orders, plan shall be prepared by registered civil or structural engineer.
- B. Nothing herein shall be deemed to allow use of shoring, sloping or protective system less effective than that required by Construction Safety Orders of California State Division of Industrial Safety.
- C. When trenching through paved surface, provide steel trench plates to cover open trenches daily until trenches are backfilled.

1.13 SEASONAL LIMITS

- A. No backfill material shall be placed, spread or rolled during u64(i)2u 0 Td()8u5 ()11 O

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Aggregate.
 - 2. Asphalt paving.
 - 3. Seal coat.
 - 4. Wood headers and stakes.
 - 5. Pavement marking.
 - 6. Precast concrete bumpers.

1.2 RELATED REQUIREMENTS

- A. Document 01 5000, Temporary Facilities and Controls.
- B. Section 01 6116, Volatile Organic Compound (VOC) Restrictions, for VOC limits pertaining to adhesives, sealants, fillers, primers, and coatings.
- C. Section 31 0000, Earthwork.
- D. Section 31 2333, Trenching and Backfilling.
- E. Section 33 4000, Storm Drainage Utilities.

1.3 REFERENCES AND STANDARDS

- A. California Building Code (CBC), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).
- B. California Green Building Standards Code (CAL Green), edition as noted on the Drawings, as adopted by the California Division of the State Architect (DSA).
- C. Local Jurisdiction: Any work within the street, highway or right-of-way shall be performed in accordance with the requirement of the governmental agencies having jurisdiction, and shall not begin until all of those governing authorities have been notified.
- D. ASTM International (ASTM):
 - 1. D698-00 Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 lb (2.49 Kg) Rammer and 12 inch (304.8 mm) Drop.
 - 2. D1556-00 Test Method for Density of Soil in Place by the Sand-Cone Method.
 - 3. D1557-02 Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb. (4.54 Kg) Rammer and 18 inch (457 mm) Drop.

**ASPHALT CONCRETE PAVING
SECTION 32 1200
21-1504**

**ASPHALT CONCRETE PAVING
SECTION 32 1200
21-1504**

**ASPHALT CONCRETE PAVING
SECTION 32 1200
21-1504**

2.3 MIXES

- A. General: Plant mixed conforming to State Specifications, Section 39, Type B, 1/2" maximum, medium grading. 3/8" maximum grading shall be used at hardcourt.
- B. Temperature of Hot Mix Asphalt: Not less than 275 degrees F nor more than 325 degrees F when added to aggregate.
- C. Temperature of Hot Mix Aggregate: Not less than 250 degrees F nor more than 325 degrees F when asphalt is added.
- D. Temperature of Hot Mix Asphalt Concrete: Asphalt shall be not less than 285 degrees at time of application, nor more than 350 degrees. Asphalt not meeting the required temperature shall not be used.
- E. Temperature of Warm Mix Asphalt: Mixing and placement; per the approved manufactures heat range recommendations for mixing and placement.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Conditions of Work in Place: Subsurfaces which are to receive materials specified under this Section shall be carefully examined before beginning work hereunder, and any defects therein shall be reported, in writing, to the Architect. Work shall not be started until such defects have been corrected. Starting of work shall imply acceptance of conditions as they exist.

3.2 PREPARATION

- A. Sub-Grade: Clean, shape and compact to hard surface free from elevations or depressions exceeding 0.05' in 10' from true plan. Compact per Section 31 0000. Compaction and moisture content shall be verified immediately prior to placement of aggregate base. Proof roll subbase in presence of geotechnical engineer prior to placement of aggregate base.

3.3 INSTALLATION

- A. Headers:
 - 1. General: Install as edging to asphalt paving, except where adjoining existing pavement, concrete curbs, walks or building.
 - 2. Existing Headers: Remove existing headers where new paving will join existing. Saw cut existing asphalt to provide clean edge.
 - 3. Lines and Levels: Install true to line and grade. Cut off tops of stakes 2-inches below top of header so they will not be visible on completion of job.
- B. Asphalt Paving:

ASPHALT CONCRETE PAVING
SECTION 32 1200
21-1504

depth of the section. Apply tack coat to vertical surfaces before installing new work. Warp carefully to flush surface, with seal over joints, and feather edge. Sawcut, remove and patch existing paving where cutting is necessary for installation of piping or conduits under Divisions 15, 16 and 33.

8. Seal Coat:
 - a. Seal coat shall be applied no sooner than 30 days from time of asphalt placement.
 - b. Surface Preparation: surface and cracks shall be clean of all dirt, sand, oil or grease. All cracks shall be filled to a level condition after curing. Make multiple fill applications until a level condition is achieved. Failure to do so will be the reason for rejection. Hose down entire area with a strong jet of

**ASPHALT CONCRETE PAVING
SECTION 32 1200
21-1504**

widths indicated with a tolerance of 1/4 inch on straight sections and 1/2 inch on curved sections.

- D. Colors: As directed by Architect
- E. Precast Concrete Bumpers: Install where shown, using steel dowels, and epoxy applied for length to wheel stop without damage to bumpers or asphalt concrete paving.

3.4 CLEANING

- A. Upon completion of work of this Section promptly remove from the working area all scraps, debris and surplus material of this Section.
- B. Clean excess material from surface of all concrete walks and utility structures.

END OF SECTION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Concrete curbs and gutters.
2. Concrete pavement, sidewalks and ramps.
3. Steel reinforcing for flatwork and curbs.
- 4.

SITE CONCRETE
SECTION 32 1600
21-1504

1. A615/A615M: Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement.
 2. A706/A706M: Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement.
 3. C33/C33M: Standard Specification for Concrete Aggregates.
 4. C94/C94M: Standard Specification for Ready-Mixed Concrete.
 5. C143/C143M: Standard Test Method for Slump of Hydraulic-Cement Concrete.
 6. C150/C150M: Standard Specification for Portland Cement.
 7. C260/C260M: Standard Specification for Air-Entraining Admixtures for Concrete.
 8. C309: Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.
 9. C330/C330M: Standard Specification for Lightweight Aggregates for Structural Concrete.
 10. C494/C494M: Standard Specification for Chemical Admixtures for Concrete.
 11. C618: Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete.
 12. C920: Standard Specification for Elastomeric Joint Sealants.
 13. C1107/C1107M: Standard Specification for Packaged Dry, Hydraulic Cement Grout (Non-Shrink).
 14. C1315: Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete.
 15. D1751: Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types).
 16. D5893/D5893M: Standard Specification for Cold Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements.
- E. Concrete Reinforcing Steel Institute (CRSI):
1. Manual of Standard Practice.
 2. Placing Reinforcing Bars.
- F. State of California, Department of Transportation (Caltrans):
1. Division of Engineering Services:
 - a. California Test 342: Method of Test for Surface Skid Resistance with the California Portable Skid Test.
 2. Standard Specifications.
 - a. Section 51, Concrete Structures.
 - b. Section 52, Reinforcement.
 - c. Section 73, Concrete Curbs and Sidewalks.
 - d. Section 90, Concrete.
- G. US Government General Services Administration (GSA/SAE):

1. GSA/SAE AMS-STD-595A: Colors Used In Government Procurement.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Submittal Procedures:

1. Action Submittals shall be submitted in accordance with Section 01 3300, Submittal Procedures.
2. Closeout Submittals shall be submitted in accordance with Section 01 7700, Closeout Procedures.

1.5 ACTION SUBMITTALS

A. Shop Drawings: Joint pattern layout for walks and pavement.

B. Product Data:

1. A complete list of materials proposed to be used for the site concrete work including, but not limited to, sand, gravel, admixtures, surface treatments, coloring agents, sealers, cast-in-place accessories, forming and curing products, concrete mix designs, reinforcing materials, joint materials, curing materials, and detectable warning surface.
2. Manufacturer's descriptive literature for products proposed for use. Include installation instructions, and maintenance instructions.

C. Concrete Mix Design: The Contractor shall submit three copies of each proposed mix design for each class of concrete in accordance with ACI 301, Sections 3.9 "Proportioning on the Basis of Previous Field Experience or Trial Mixture," or 3.10 "Proportioning Based on Empirical Data." The Contractor shall submit a separate mix design for concrete to be placed by pumping, in addition to the mix design for concrete to be placed directly from the truck chute.

1. The following information shall be included in the concrete mix design:
 - a. Proportions of cement, fine and coarse aggregate, and water.
 - b.

SITE CONCRETE
SECTION 32 1600
21-1504

- B. Delivery tickets as specified for ready-mixed concrete.
- C. Sustainable Design:
 - 1. The following information shall be provided:
 - a. Adhesives and Sealants: Evidence of compliance that products meet maximum VOC content limits specified in Section 01 6116.
 - b. Paints and Coatings: Evidence of compliance that products meet maximum VOC content limits specified in Section 01 6116.

1.7 CLOSEOUT SUBMITTALS

- A. Guarantee: Submit subcontractor's guarantee.

1.8 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Manufacturer of ready-mixed concrete products shall meet ASTM C94/C94M requirements for production facilities and equipment.
- B. Design, erect, support, brace and maintain foamjEMC /LB.3 (,)(s)-2 (uppo)(i)13.5 (11.3 (f)-6.6 (o)-6 (an

SITE CONCRETE

SITE CONCRETE
SECTION 32 1600
21-1504

- D. The Contractor shall conform to ACI 305R when mixing and placing concrete during hot weather. When air temperature exceeds 100 degrees F adjust concrete mix with retarding admixture in design mix, and adequately test and take additional measures as directed by concrete supplier.
- E. The Contractor shall maintain access for vehicular and pedestrian traffic as required for other construction activities. Use temporary striping, flagmen, barricades, warning signs, and warning lights as required.
- F. Placing in hot weather: Comply with ACI 305R

**SITE CONCRETE
SECTION 32 1600
21-1504**

2.4 CONCRETE MATERIALS

- A. Cement: Portland cement in accordance with ASTM C150/C150M, Type II, low alkali.
- B. Concrete Aggregates: Graded from coarse to fine in accordance with

- C. Glare Reduction Colorant: Concentrated pigment dispersions designed to permanently color concrete; "Chromix L10 Base-Black" by ~~Sika~~ Sika Corporation, or t8 3 T69 (as)-c9Coer

**SITE CONCRETE
SECTION 32 1600
21-1504**

H.

**SITE CONCRETE
SECTION 32 1600
21-1504**

- m. Number of cubic yards in load.
 - n. Admixture content.
 - o. Name of Contractor.
 - p. Name of driver.
 - q. Time loaded and first mixing of concrete.
 - r. Reading of revolution counter.
 - s. Color additive.
5. Ticket shall be transmitted to Project Inspector by truck driver with load identified thereon. Project Inspector will not accept load without load ticket identifying mix and will keep daily record of pours, identifying each truck, its load and time of receipt, and will transmit two copies of record to DSA.
6. At end of project, Weighmaster shall furnish affidavit to DSA on form satisfactory to DSA, certifying that all concrete furnished is in conformance with proportions established by mix designs.
7. Placement of concrete shall occur as rapidly as possible after batching and in a manner which will assure that the required quality of the concrete is maintained. In no case may concrete be placed more than 90 minutes from batch time.
- a. When air temperature is between 85 and 90 degrees F, reduce maximum batching to discharge time from 90 minutes to 75 minutes.
 - b. When air temperature is above 90 degrees F, reduce batching to discharge time from 90 minutes to 60 minutes.

3.2 PREPARATION

- A. Remove frost, water, and other foreign materials from form surfaces, reinforcement, and embedded items against which concrete will be placed.
- B. When the ambient temperature necessitates the use of cold or hot weather concreting, make provisions in advance of concrete placement.
- C. Before placing concrete, clean tools and equipment, and remove debris from areas to receive concrete.
- D. Clean reinforcing and other embedded items of coatings, oil, mud and soil that may impair bond with concrete.
- E. Slab-On-Grade: After subgrade has been approved by Geotechnical Engineer, install specified drainage rock base material to thickness shown. Rock base shall be implemented and compacted in accordance with the Geotechnical Report and recommendations of the Geotechnical Engineer.

3.3 INSTALLATION – FORMWORK

- A. Form material shall be straight, true, sound and able to withstand deformation due to loading and effects of moist curing. Materials which have warped or delaminated, or require more than minor patching of contact surfaces, shall not be reused.
- B. Build forms to shapes, lines, grades and dimensions indicated. Construct formwork to maintain tolerances required by ACI 301. Forms shall be substantial, tight to prevent leakage of concrete, and properly braced and tied together to maintain position and shape. Butt joints tightly and locate on solid backing. Chamfer corners where indicated. Form bevels, grooves and recesses to neat, straight lines. Construct forms for easy removal without hammering, wedging or prying against concrete.
- C. Space clamps, ties, hangers and other form accessories so that working capacities are not exceeded by loads imposed from concrete or concreting operations.
- D. Build openings into vertical forms at regular intervals if necessary to facilitate concrete

SITE CONCRETE
SECTION 32 1600
21-1504

- I. During and immediately after concrete placing, tighten forms, posts and shores. Readjust to maintain grades, levels and camber.

- J. Concrete Paving, Curbs, Curb and Gutters, Ramps:
 - 1. Expansion Joints: Install at locations indicated, and so that maximum distance between joints is 20 feet for exterior concrete unless otherwise shown. Expansion joint material shall be full depth of concrete section. Recess for snap cap and sealant when required.
 - 2. Curbs, Valley Gutter, and Curb & Gutter: Install expansion joints at 60 feet on center, except when placing adjacent to concrete walks, the expansion joints shall align with the expansion joints shown for the concrete walks. Expansion joint material shall

SITE CONCRETE
SECTION 32 1600
21-1504

- D. Keep excavations free of standing water, but moisture condition sub-grade before concrete placement.
- E. Placing: Once started, continue concrete pour continuously until section is complete between predetermined construction joints. Prevent splashing of concrete onto adjacent forms or reinforcement and remove such accumulation of hardened or partially hardened concrete from forms or reinforcement before work proceeds in that area. Free fall of concrete shall not to exceed 4'-0" in height. If necessary, provide lower openings in forms to inject concrete and to reduce fall height.
- F. Remove form spreaders as placing of concrete progresses.

- C. Thoroughly water and soak the subgrade of exterior concrete paving, curbs, curb and

**SITE CONCRETE
SECTION 32 1600**

2. Maintain exposed concrete in a continuous wet condition for 14 days following removal of forms.
- B. Concrete Paving, Curb, Curb and Gutter, Valley Gutter:
1. Cure utilizing curing compound. If applicable, the Contractor shall verify that the approved curing compound is compatible with the approved colorant system.
 2. Curing compound shall be applied in a wet puddling application. Spotty applications shall be reason for rejection and possibly concrete removal and replacement at the contractor's expense with no compensation from the Owner.
- C. No curing compound shall be applied to areas scheduled to receive resilient track surface including, curbs, ramps, runways, and similar items.

3.10 DEFECTIVE CONCRETE

- A. General:
1. Determination of defective concrete shall be made by the Architect or Engineer whose opinion shall be final in identifying areas to be replaced, repaired or patched.
 2. As directed by Architect, cut out and replace defective concrete.
 - a. Defective concrete shall be removed from the site.
 - b. No patching is to be done until surfaces have been examined by Architect and permission to begin patching has been provided.
 - c. Permission to patch an area shall not be considered waiver of right by the Owner to require removal of defective work, if patching does not, in opinion of Architect, satisfactorily restore quality and appearance of surface.
 - d. Remove and replace concrete if repair to an acceptable condition is not feasible.
- B. Defective Concrete Is:
1. Concrete that does not match the approved mix design for the given installation type.
 2. Concrete not meeting specified 28-day strength.
 3. Concrete which contains rock pockets, voids, spalls, transverse cracks, exposed reinforcing, or other such defects which adversely affect strength, durability or appearance.
 4. Concrete which is incorrectly formed, out of alignment or not plumb or level, or outside of the maximum tolerance for flatness and slopes indicated.
 5. Concrete containing embedded wood or debris.
 6. Concrete having large or excessive patched voids which were not completed under Architect's direction.
 7. Concrete not containing required embedded items.
 8. Concrete with excessive shrinkage, transverse cracking, crazing, curling; or defective finish.

SITE CONCRETE
SECTION 32 1600
21-1504

9. Concrete that is unsuitable for placement or has set in truck drum for longer than 90 minutes from the time it was batched.
 10. Concrete where expansion joint filler that is not isolating the full depth of the concrete section, and not recessed as required for backer rod and sealant where required.
 11. Concrete that is excessively wet or excessively dry and will not meet the minimum or maximum slump required per mix design.
 12. Finished concrete with oil stains from equipment use, and or rust spots that cannot be removed.
 13. Concrete with control joints (weakened planed joints) that do not meet the required minimum depth shown on the drawings.
 14. Concrete not meeting slip-resistance requirements.
- C. Flatwork: The Owner reserves the right to survey the flatwork, to determine if flatwork is outside of the maximum tolerance for flatness and slopes as indicated.
1. If the flatwork is found to be out of tolerance, then the Contractor is required to replace concrete at no additional expense to the Owner.
 - 2.

**SITE CONCRETE
SECTION 32 1600
21-1504**

- a. Holes in the tile perimeter allow air to escape during the installation process.
 - b. Allow concrete to flow through holes in embedment flanges on underside of tile to lock tile solidly into the cured concrete.
2. Tiles shall be placed true and square.
 3. Tiles shall be tamped or vibrated into the fresh concrete to ensure that the field level of the tile is flush to the adjacent concrete surface to permit proper water drainage and eliminate tripping hazards between adjacent finishes.
- D. Immediately after placement, the tile elevation shall be checked with the elevation and slope permitting water drainage, to ensure that the field surface of the tile is flush with the surrounding concrete, and that no ponding is possible on the tile.
- E. While concrete is still workable, a 3/8 inch radius edging tool shall be used to create a finished edge of concrete, then a steel trowel shall be used to finish the concrete around the tile's perimeter, flush to the field level of the tile.
- F. If necessary, adjust tile before the concrete sets. Use two suitable weights of 25 pounds each if necessary to ensure solid contact of the underside of tile to concrete.co(c)-2 (onc)-2

PART 1 - GENERAL

1.1 SUMMARY

- A. Summary Includes:
 - 1. Storm drainage piping systems.

1.2 RELATED REQUIREMENTS

- A. Document 01 5000, Construction Facilities and Controls.
- B.

STORM DRAINAGE UTILITIES
SECTION 33 4000
21-1504

5. D 3017-05 Test Methods for Moisture Content of Soils and Soil-Aggregate Mixture by Nuclear Methods (Shallow Depth).
6. D 4318-05 Test Method for Liquid Limit, Plastic Limit, and Plasticity Limit.

- F. CALTRANS Standard Specifications.
- G. CAL-OSHA, Title 8, Section 1590 (e).

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Submittal Procedures:
 1. Action Submittals and Informational Submittals shall be submitted in accordance with Section 01 3300, Submittal Procedures.
 2. Closeout Submittals shall be submitted in accordance with Section 01 7700, Closeout Procedures.
 3. Sustainable Design Submittals shall comply with the additional requirements of Section 01 8113, Sustainable Design Requirements.

1.5 ACTION SUBMITTALS

- A. Provide supplier's descriptive literature for all products to demonstrate compliance with specified attributes.
- B. Substitution: Provide all data of proposed material being submitted as a substitution. Provide comparison with specified product data and identify all differences. Failure to provide comparison will be reason for rejection.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: Contractor / installer.
- B. Provide sieve analysis from accredited testing lab on pipe bedding material. Analysis shall have a current date not older than project contract signing date.
- C. Sustainable Design:
 1. General:
 - a. Submit information necessary to establish and document compliance with the California Green Building Standards Code.
 - b. Sustainable design submittals are in addition to other submittals.
 2. The following information shall be provided:
 - a. Adhesives and Sealants: Evidence of compliance that products meet maximum VOC content limits specified in Section 01 6116.
 - b. Paints and Coatings: Evidence of compliance that products meet maximum VOC content limits specified in Section 01 6116.

1.7 CLOSEOUT SUBMITTALS

- A. Guarantee: Submit subcontractor's guarantee.

1.8 QUALITY ASSURANCE

- A. Contractor / Installer shall have been in business for five (5) years providing/finishing similar size projects and complexity.
- B. Contractor shall be solely responsible for all subgrades built. Any repairs resulting from inadequate compaction are the responsibility of the contractor.
- C. The representatives of the Owner's testing lab will not act as supervisor of construction, nor will they direct construction operations. Neither the presence of the Owner's testing lab representatives nor the testing by the Owner's testing lab shall excuse the contractors or subcontractors for defects discovered in their work during or following completion of the project. Correcting inadequate compaction is the sole responsibility of the contractor.
- D. Use only new materials and products, unless existing materials or products are specifically shown otherwise on the Drawings to be salvaged and re-used.
 - 1. Sun damaged or discolored PVC pipe will be rejected.
- E. All materials, components, assemblies, workmanship and installation are to be observed by the Owner's Project Inspector. Work not so inspected is subject to uncovering and replacement.

1.9 DELIVERY, STORAGE AND HANDLING

- A. Transport, store and handle in strict accord with the local jurisdiction and manufacturer's written recommendations
- B. Deliver undamaged products to job in manufacturer's sealed containers and/or original bundles with tags and labels intact.

1.10 EXISTING SITE CONDITIONS

- A. Contractor shall acquaint himself with all site conditions. If unknown active utilities are encountered during work, notify Architect promptly for instructions. Failure to notify will make Contractor liable for damage to these utilities arising from Contractor's operations subsequent to discovery of such unknown active utilities.
- B. Existing civil, mechanical and electrical improvements are shown on respective site plans to the extent known. Should the Contractor encounter any deviation between actual conditions and those shown, he is to immediately notify the Architect before continuing work.

STORM DRAINAGE UTILITIES
SECTION 33 4000

**STORM DRAINAGE UTILITIES
SECTION 33 4000**

**STORM DRAINAGE UTILITIES
SECTION 33 4000
21-1504**

3.

