WASCO HIGH SCHOOL

ESSER FUNDED SHADE STRUCTURE AND SITE IMPROVEMENTS

1900 7TH ST., WASCO, CA. 93280

FOR

WASCO UNION HIGH SCHOOL DISTRICT

WASCO, KERN COUNTY, CALIFORNIA

PROJECT DATA

LEGEND

SYMBOLS

- GRID LINES
- GATE SYMBOL
- DOOR SYMBOL / DOOR NUMBER
- WINDOW SYMBOL / WINDOW NUMBER / T = TEMPERED WH/OCCURS
- REVISION NUMBER
- WORK POINT / CONTROL PT./DATUM PT. / ELEVATION
- MATCH LINE (SHADED PORTION IS THE SIDE SHOWN)
- TRUE NORTH / PLAN NORTH — NORTH ARROW
- BUILDING SECTION / SHEET NUMBER
- WALL SECTION / SHEET NUMBER
- DETAIL NUMBER / SHEET NUMBER
- 101 OFFICE / A9.0 — ROOM NUMBER / NAME / SHEET REFERENCE OF ROOM
- REVISED FINISH GRADE / EXISTING GRADE CALLED (E)
- KEYNOTE
- SIGNS SEE SCHEDULE A5.0
- KITCHEN EQUIPMENT
- ADA CLEARANCE SEE SCHEDULE

ABBREVIATIONS

@	At
#	Pounds
AB	Anchor Bolt
AC	Asphalt Concrete
ACC	Accessibility
AFF	Above Finish Floor
AP	Access Panel
A/C	Air-conditioning
ABV	Above
ACOUS	Acoustic(al)
ACPL	Acoustical Plaster
ADD	Addendum
ADD'L	Additional
ADJ	Adjustable/Adjacent
AGG	Aggregate
ALT	Alternate
ALUM	Aluminum
ANC	Anchor(age)
APPROX	Approximate(ly)
ARCH/ARCH'L	Architect
ASB	Asbestos
BBD	Bulletin Board
BC	Begin Curve
BMK	Bench Mark
BOB	Bottom of Beam
BUR	Built-up Roofing
BD	Board
BEL	Below
BIT	Bituminous
BLDG	Building
BLK	Blocking
BRK	Break, Brick
BRKR	Breaker
BM	Beam
BOT	Bottom
BRG	Bearing
BRNZ	Bronze
BVL	Bevel(ed)
C&G	Curb and Gutter
CB	Catch Basin
CF	Cubic Foot (Feet)
CFL	Counterflashing
CFRD	Coffered
CG	Corner Guard
CI	Cast Iron
CIP	Cast Iron Pipe
CISC	Cast-in-place concrete
CISP	Cast Iron Soil Pipe
CJ	Ceiling Joist
CJT	Control Joint
CK	Caulk(ing)
CL	Chain Link
℄	Center Line
CMT	Ceramic Mosaic tile
CMU	Concrete Masonry unit
CO	Clean-out
COTG	Clean-out to grade
COTW	Clean-out thru wall
CR	Curb Return
CAB	Cabinet
CEM	Cement
CER	Ceramic
CHAM	Chamfer
CHBD	Chalkboard
CHG	Change
CLG	Ceiling
CLR	Clear(ance)
CLS	Closure
CNTR	Counter
COL	Column
COMB	Combination
COMPO	Composition
CONC	Concrete
CONST	Construction
CONT	Continuous
CORR	Corrugated
CSK	Countersink
CSMT	Casement
CTR	Center
CW	Cold Water
DF	Drinking Fountain
DH	Double Hung
DA	Double Acting
DEP	Depression
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DIV	Division
DPPR	Depress(ed)
DR	Door
DS	Downspout
DSPR	Dispenser
DWG	Drawing
DWR	Drawer
(D)CW	(Domestic) Cold Water
(D)HW	(Domestic) Hot Water
(E)	Existing
E	East
EDF	Electric Drinking fountain
EEH	Emergency Egress Hardware
EF	Each Face
EJ	Expansion Joint
EPB	Electric Panel Board
EW	Each Way
EA	Each
ELECT'L	Electric(al)
ELEV'R	Elevator
ELEV	Elevation
EMER	Emergency
ENAM	Enamel
ENCL	Enclosure
EQ	Equal
EQUIP	Equipment
EXH	Exhaust
EXP	Expansion/Exposed
EXTR	Exterior
FBO	Furnished By Others
FBLKG	Fire-blocking
FD	Floor Drain
FEC	Fire Extinguisher Cabinet
FG	Fixed Glass/Finish Grade
FGRD	Finish Grade
FJ	Floor Joist
FJT	Flush Joint
FOC	Face of Concrete/Column
FOF	Face of Finish
FOM	Face of Masonry
FOS	Face of Stud
FOW	Face of Wall
FAB	Fabrication(tion)
FAC	Factory
FAS	Fasten(er)
FBD	Fiberboard
FBGL	Fiberglass
FH	Fire Hydrant
FHC	Fire Hose Cabinet
FHMS	Flathead Machine Screw
FHWS	Flathead Wood Screw
FHSS	Flathead Stainless steel
FIN	Finish(ed, es)
FLEX	Flex(ible)
FLR	Floor
FLUOR	Fluorescent
FOUND	Foundation
FRMG	Framing
FRT	Fire-Retardant
FS	Fixed Shelf
FTG	Footing
FURR	Furring(ed)
FUT	Future
FV	Field Verify
GB	Grab Bar
GI	Galvanized Iron
GA	Gauge
GALV	Galvanize
GL	Glass
GLZG	Glazing
GRAV	Gravel
GRD	Grade
GSKT	Gasket
GYPBD	Gypsum Board
GYPLA	Gypsum Lath
HB	Hose Bib
HC	Hollow Core
HCM	Hazardous Containing Material
HJT	Head Joint
HM	Hollow Metal
HVAC	Heating, Ventilating & Air-conditioning
HBD	Hardboard
HDR	Header
HDWD	Hardwood
HDWR	Hardware
HEX	Hexagonal
HORIZ	Horizontal
HR	Hour
HT	Height
HTG	Heating
HW	Hot Water
ID	Inside Diameter
INCL	Include(ing)
INSTR	Instruction(tor)
INSUL	Insulate(tion)
INTM	Intermediate
INTR	Interior
INV	Invert
JST	Joist
JT	Joint
KVC	Keen's Veneer Cement
KD	Knockdown
KPL	Kick-plate
LBS	Pounds
LBT	Lag Bolt
LF	Linear Foot
LH	Left Hand
LPT	Low Point
LAD'R	Ladder
LAM	Laminate(d)
LAV	Lavatory
LBL	Label
LVR	Louver
LOC	Location
LT	Light
MB	Machine Bolt, Marker Board
MC	Medicine Cabinet
MT	Metal Threshold
MAS	Masonry
MAT'L	Material
MAX	Maximum
MBRN	Membrane
MECH/MECH'L	Mechanic(al)
MED	Medium
MFG	Manufacturing
MFR	Manufacturer
MIN	Minimum
MIR	Mirror
MISC	Miscellaneous
MLDG	Molding (Moulding)
MOD	Modular
MTD	Mounted
MTL	Metal
MULL	Mullion
MWK	Millwork
N	North
NIC	Not In Contract
NTS	Not to Scale
NAT	Natural
NOM	Nominal
OC	On Center
OCBW	On Center Both Ways
OD	Outside Diameter
O/	Over
OA	Overall
OBS	Obscure
OFLD	Overflow Drain
OHMS	Ovalhead Machine Screw
OHWS	Ovalhead Wood Screw
OHD	Overhead
OPHD	Opposite Hand
OPAQ	Opaque
OPNG	Opening
OPP	Opposite
PA	Planting Area
PBD	Particle Board
℘	Property Line
PLAM	Plastic Laminate(d)
POC	Point of Connection
POI	Point of Intersection
PT DISP	Paper Towel Dispenser
PT RECP	Paper Towel Receptacle
PVC	Poly-Vinyl Chloride
PART	Partition
PC CONC	Precast Concrete
PERF	Perforated
PERIM	Perimeter
PL	Plate
PLAS	Plaster
(P)CPL	(Portland) Cement Plaster
PNL	Panel
PNT(D)	Paint(ed)
PR	Pair
PRE-FAB	Pre-Fabricated
PLMG	Plumbing
PLYWD	Plywood
R	Riser
RD	Roof Drain
RH	Right Hand
RJ	Roof Joist
RL	Ridge Line
RO	Rough Opening
RAD	Radius
ROW	Right of Way
REF	Reference
REINF	Reinforce(ment)
REM	Removal
REQ	Required
RES	Resilient
RET	Return
REV	Revision
RFG	Roofing
RFL	Reflect(ed, ive, or)
RM	Room
RS	Reducer Strip
RTSB	Rubber Top Set Base
RWD	Redwood
RWL	Rainwater Leader
S&P	Shelf and Pole
S	South
SC	Solid Core
SD	Storm Drain
SKDISP	Sanitary Napkin Dispenser
SCH	Schedule(d)
SEC	Section
SHLF	Shelf
SHLVG	Shelving
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SKLT	Skylight
SMHC	Sewer Manhole Cover
SP	Space(s)
SPEC	Specification(s)
SQ	Square
SS	Stainless Steel
STD	Standard
STL	Steel
STOR	Storage
STRUC	Structure
STRUCT'L	Structural
SYS	System
T&B	Top & Bottom
T&G	Tongue & Groove
T	Tread
TB	Towel Bar
TG	Tempered Glass
THRU	Through
TJ	Tool Joint
TS	Tube Steel
TOB	Top of Beam
TOC	Top of Curb(Conc)
TOM	Top of Masonry
TOP	Top of Plate/Top of Parapet
TOS	Top of Sheathing
TOW	Top of Wall
TP DISP	Toilet Paper Dispenser
T PART	Toilet Partition
TSC DISP	Toilet Seat Cover Dispenser
TEL	Telephone
TEMP	Tempered
THD	Thread(ed, s)
THK	Thick(ness)
TKBD	Tackboard
TSB	Topset Base
TYP	Typical
TW	Tread Width
UNO	Unless Noted Otherwise
VIF	Verify in Field
VG	Vertical Grain
VO	Vent Over(Offset)
VR	Vent Riser
VTR	Vent Thru Roof
VAR	Varnish
VCT	Vinyl Composition Tile
VCTWB	Vinyl Composition Tackable
Wallboard	
VEN	Veneer
VERT	Vertical
VP	Vision Panel
VPB	Vapor Barrier
W	West
WGL	Wire Glass
WHCAB	Wall Hung Cabinet
WI	Wrought Iron
WM	Wire Mess
WTW	Wall to Wall
WWM	Welded Wire Mesh
W/	With
W/O	Without
WIND	Window
WP	Waterproof(ing)
WSCT	Wainscot
WST	Waste
WT	Weight
WD	Wood
X-FMR	Transformer

GENERAL NOTES

NOTHING IN THE DRAWINGS AND/OR THE SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION THAT COULD BE IN VIOLATION OF THE APPLICABLE CODES, ORDINANCES, REGULATIONS, RESTRICTIONS, ETC. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE DRAWINGS SHALL CAUSE THE CONTRACTOR TO NOTIFY THE ARCHITECT PRIOR TO MAKING ANY CHANGES IN THE WORK.

THE DRAWINGS, IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED HEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT/OWNER AND NO PART THEREOF SHALL BE COPIED OR DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THESE DOCUMENTS HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS CONSTITUTES CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

MISPLACEMENT, ADDITION, OR OMISSION OF ANY WORD, LETTER, FIGURE, PUNCTUATION MARK, ETC., SHALL IN NO WAY CHANGE OR ALTER THE TRUE INTENT, SPIRIT, OR MEANING OF THE DRAWINGS. THE CONTRACTOR SHALL STUDY AND COMPARE ALL DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR INCONSISTENCIES TO THE ARCHITECT BEFORE COMMENCING WORK IN THAT AREA.

ALL WORK SHALL BE IN CONFORMANCE WITH THE CURRENTLY ADOPTED EDITION OF THE:

PART 1	2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), TITLE 24 C.C.R.
PART 2	2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE, VOLUME 1 & 2 AND 2022 CALIFORNIA AMENDMENTS)
PART 3	2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R. (2020 EDITION OF NFPA 70 AND 2022 CALIFORNIA AMENDMENTS)
PART 4	2022 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 C.C.R. (2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
PART 5	2022 CALIFORNIA PLUMBING CODE (CPC), TITLE 24 C.C.R. (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
PART 6	2022 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
PART 9	2022 CALIFORNIA FIRE CODE (CFC), TITLE 24 C.C.R (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
PART 10	2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
PART 11	2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN), TITLE 24 C.C.R.
PART 12	2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER35 AND CFC CHAPTER 80.

*ALL PARTS OF THE 2022 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 2023, EXCEPT THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART1, CHAPTER 4) WHICH BECAME EFFECTIVE ON MAR. 5, 2022.

IF CONFLICTS BETWEEN VARIOUS ELEMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL) OF THE WORK OF THE DRAWINGS ARE DISCOVERED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

THESE PROPOSED PLANS WERE BASED ON PLANS BY OTHERS, FURNISHED BY THE OWNER, INDICATING WORK OF PREVIOUS CONTRACTS. THE EXISTING PLANS WILL BE MADE AVAILABLE FOR THE CONTRACTOR'S REVIEW UPON REQUEST. THE OWNER, THE ARCHITECT AND THE ENGINEERS SHALL ASSUME NO RESPONSIBILITY FOR THE EXISTING CONDITIONS AND MEASUREMENTS INDICATED ON THESE PROPOSED PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MEASUREMENTS AND CONDITIONS NECESSARY TO PROVIDE COMPLETE WORK AS INDICATED BY THE INTENT OF THESE PLANS PRIOR TO PROCEEDING WITH WORK OF THIS CONTRACT.

EXISTING DIMENSIONS INDICATED ON THESE PROPOSED DRAWINGS HAVE BEEN PROVIDED FROM INFORMATION OBTAINED FROM THE DISTRICT. THE CONTRACTOR SHALL USE WHAT MEANS NECESSARY TO VERIFY THE DIMENSIONS IN THE AREAS OF DESIGNATED WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO STARTING WORK IN THE AREA OF QUESTION.

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA, A CONSTRUCTION CHANGE DOCUMENT (CCD TYPE A) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

ALL SUBSTITUTIONS OF PRODUCTS OR DESIGNS WHICH AFFECT THE STRUCTURAL SAFETY, FIRE AND LIFE-SAFETY, OR ACCESSIBILITY OF THE WORK MUST BE SUBMITTED TO DSA AS A CCD FOR REVIEW AND APPROVAL.

A "CLASS 2" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LEGAL ORDINANCES.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATIONS, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD TYPE A) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE REPAIR WORK.

CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. DRINKING WATER WELL SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS

NOTIFY ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.

FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE IN COMPLIANCE WITH CFC CH 33.

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.

SUBMIT RFI'S TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWING'S AND APPROVED SPECIFICATIONS IN THE DESCRIPTION OF WORK TO BE DONE, EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFI'S TO DSA VIA CCD'S ID REQUIRED BY IR A-6.

ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.

THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.

SITE PROJECT INSPECTOR TO VERIFY COMPLETED IN-PLANT INSPECTOR INSPECTION CARD / VERIFIED REPORT (DSA 152-IPI) FOR EACH RELOCATABLE BUILDING BEFORE INSTALLING ON SITE.

PER 2022 CBC, SECTION 1705A3.3, BATCH PLANT INSPECTION MAY BE WAVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:

A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.

BATCH TICKET, INCLUDING MATERIAL QUANTITIES AND WEIGHS SHALL ACCOMPANY THE LOAD, SHALL ME TRANSMITTED TO THE PROJECT INSPECTOR BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE PROJECT INSPECTOR SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK IT'S LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY DSA.

SCOPE OF WORK

ALL LABOR, MATERIALS AND EQUIPMENT AS REQUIRED AND NECESSARY FOR ALL SITE WORK IMPROVEMENTS FOR DEMOLITION OF EXISTING LANDSCAPING, IRRIGATION AND CONCRETE AS INDICATED, GRADING, FOUNDATIONS, CONCRETE, REBAR, ANCHOR BOLTS, CONCRETE FLATWORK AND COMPLETE ERECTION OF DISTRICT PROVIDED SHADE STRUCTURE AS INDICATED.

SITE DATA

SEISMIC DESIGN LOADS:

SEISMIC IMPORTANCE FACTOR I_E	1.0
RISK CATEGORY	III
S_s	0.815g
S_1	0.308g
SEISMIC SITE CLASS	D (DEFAULT)
S_{DS}	0.638g
S_{D1}	0.614g
SEISMIC DESIGN CATEGORY	D
ULTIMATE DESIGN WIND SPEED	94 Vmph
WIND EXPOSURE	C
TOPOGRAPHIC FACTOR	1.0
CLIMATE ZONE	13
FLOOD HAZARD	DESIGNATION: ZONE X, (FIRM) PANEL 1275, SEPTEMBER 26, 2008

DESIGN TEAM

OWNER

WASCO UNION HIGH SCHOOL DISTRICT
2100 7TH ST.
WASCO, CA 93280
(661) 758-8447
FAX (661) 758-4946

ARCHITECT

SCARCHITECT, INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
(661) 397-4377
FAX (661) 397-4378

CONSULTING ENGINEERS

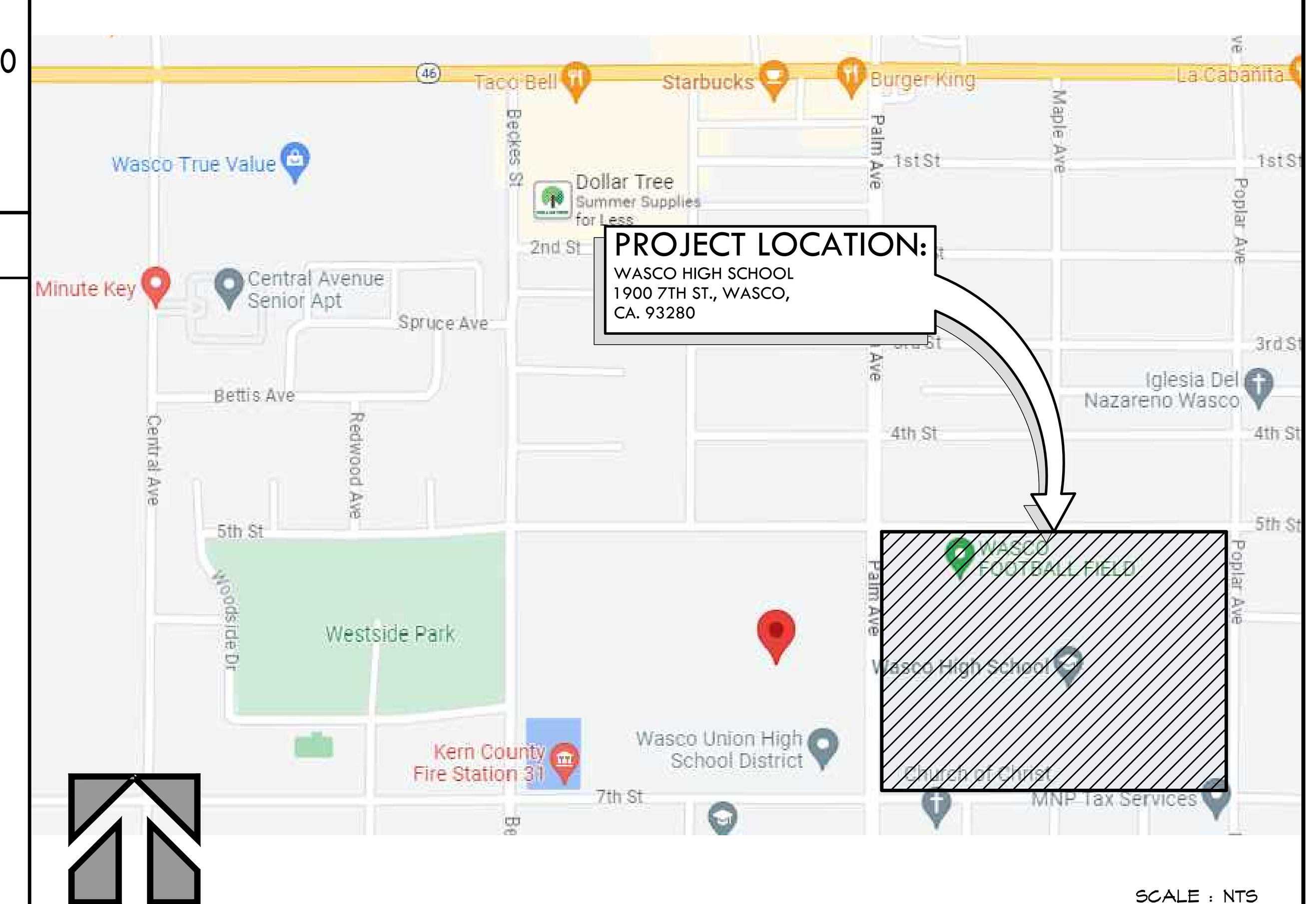
CIVIL
SWANSON ENGINEERING
2000 OAK ST., SUITE 150
BAKERSFIELD, CA 93301
(661) 831-4919 FAX
(661) 831-4929

STRUCTURAL
PZSE, INC.
1478 STONE POINT DRIVE, SUITE 190
ROSEVILLE, CA 95661
(916) 961-3960
FAX (916) 961-3965

SHEET INDEX

(9) SHEETS TOTAL

VICINITY MAP



SCALE : NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124404 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/15/2024

PTN : 63859-17 FILE: 15-H7

WASCO HIGH SCHOOL
ESSER FUNDED SHADE STRUCTURE AND SITE IMPROVEMENTS
1900 7TH ST., WASCO, CA. 93280
FOR
WASCO UNION HIGH SCHOOL DISTRICT
WASCO, KERN COUNTY, CALIFORNIA

SCARCHITECT INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

STEPHEN J. CORBIN, AIA, NCARB, LEED-AP BD+C

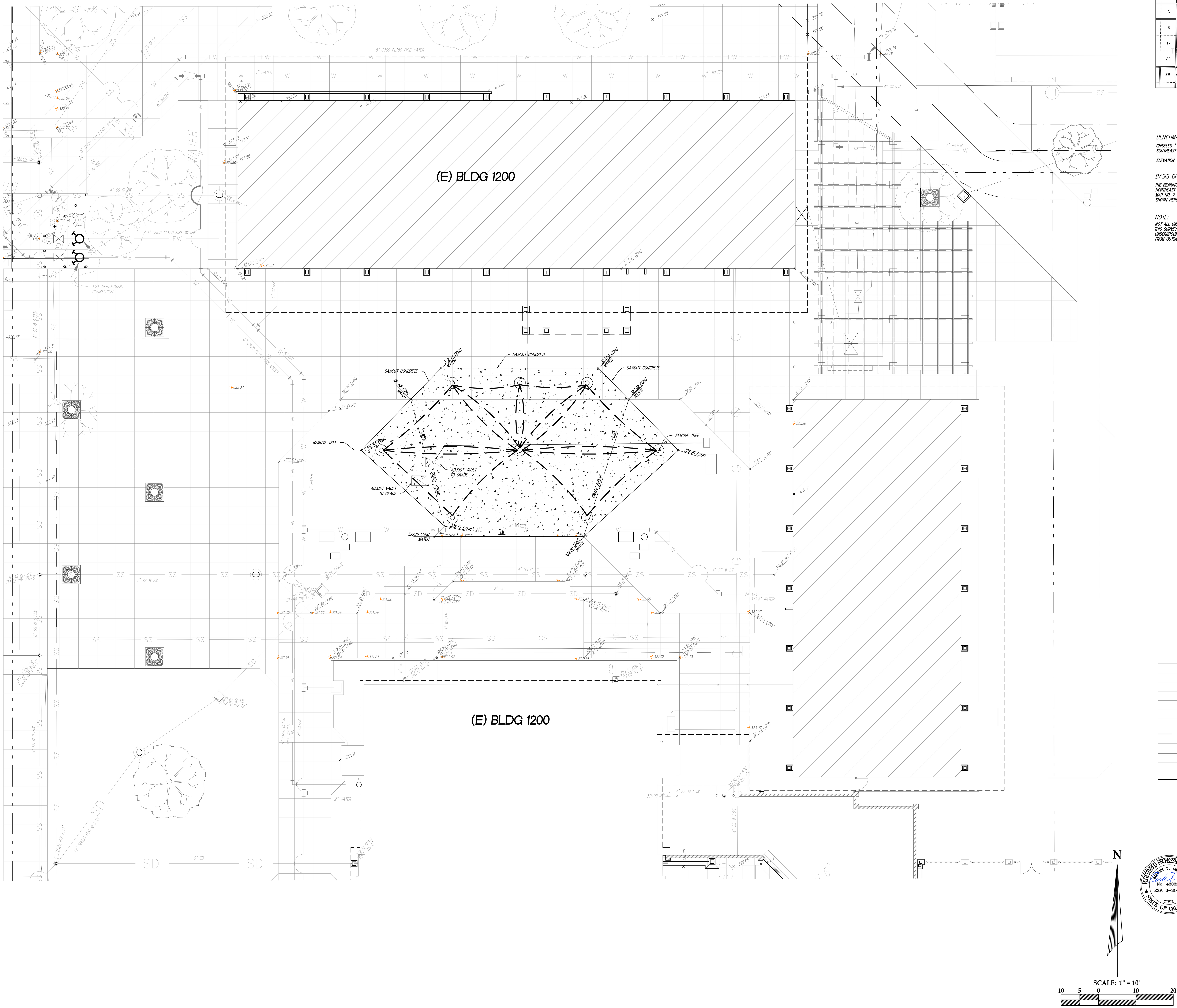
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

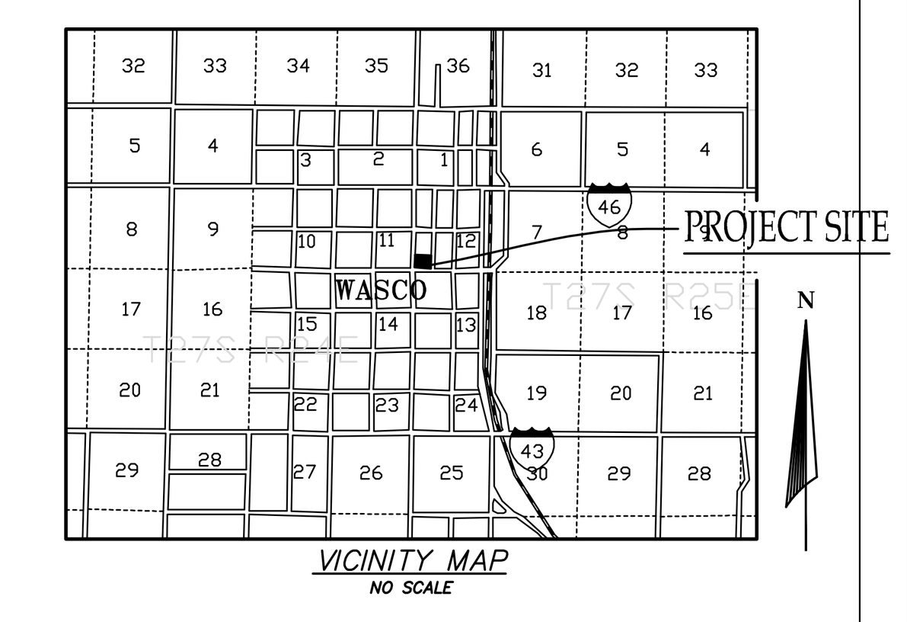
WASCO 1915 UNION H.S.D.

TITLE SHEET, SHEET INDEX & VICINITY MAP

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1355.1
DRAWN: AP, ED
CHECKED: BCW
DATE: 10/8/24





VICINITY MAP
NO SCALE

BENCHMARK:

CHISELED "□" ON TOP OF CURB AT TEH MID POINT OF THE SOUTHEAST CURB RETURN OF 7TH STREET AND BECKES STREET.

ELEVATION = 315.15 (CITY DATUM)

BASIS OF BEARING:

THE BEARING OF S.89°22'20"E. SHOWN FOR THE SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 11, T.27 S., R.24 E. ON K.C.S. FILED MAP NO. 7-1 BOOK 7, PAGE 49 WAS USED AS THE BASIS OF BEARING SHOWN HEREON.

NOTE:

NOT ALL UNDERGROUND UTILITIES OR FACILITIES WERE LOCATED BY THIS SURVEY AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UNDERGROUND UTILITIES NOT SHOWN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES.

LEGEND:

ABBREVIATIONS:

EX.	EXISTING
TYP.	TYPICAL
FD.	FOUND
BK.	BOOK
PG.	PAGE
C.O.K.	COUNTY OF KERN
C.O.B.	CITY OF BAKERSFIELD
CONC	CONCRETE
A.C.	ASPHALT PAVEMENT
FG	FINISH GRADE
EP	EDGE OF PAVEMENT
TC	TOP OF CURB
FL	FLOWLINE
FF	FINISHED FLOOR
FP	FINISHED PAD
TP	TOP OF PAVEMENT
GB	GRADE BREAK
TOM	TOP OF MANHOLE

EXISTING FIRE HYDRANT
EXISTING WHARF HYDRANT
EXISTING STREET LIGHT
EXISTING TRAFFIC SIGN
EXISTING CHAIN LINK FENCE
× 100.00 SPOT ELEVATION
PROPOSED SEWER MANHOLE
PROPOSED STORM DRAIN MANHOLE
PROPOSED CLEANOUT TO GRADE
310.20 CONC DESIGN ELEVATION
PROPOSED A.C. PAVEMENT (SEE GRADING PLAN FOR SECTION)
EXISTING STORM DRAIN LINE
EXISTING FIBER OPTIC LINE
EXISTING WATER LINE
EXISTING SEWER LINE
EXISTING GAS LINE
EXISTING FENCELINE
EXISTING ELECTRIC LINE
EXISTING OVERHEAD ELECTRIC LINE
EXISTING PROPERTY LINE
EXISTING RIGHT-OF-WAY
EXISTING CURB & GUTTER
PROPOSED WATER LINE
PROPOSED SEWER LINE
PROPOSED STORM DRAIN LINE

REGISTERED PROFESSIONAL ENGINEER ROBERT T. SWANSON No. 43032 EXP. 3-31-26 CIVIL STATE OF CALIFORNIA

SWANSON ENGINEERING, INC.
© 2023
2000 Oak Street, Suite 150 ~ Bakersfield, CA 93301
p:(661) 831-4919; f:(661) 873-4777
JOB#– 11-038 RTS

PTN : 00000-00 FILE: 15-H7

WASCO HIGH SCHOOL

ESSER FUNDED SHADE CANOPY AND SITE IMPROVEMENTS
1900 7TH ST., WASCO, CA. 93280
FOR
WASCO UNION HIGH SCHOOL DISTRICT
WASCO, KERN COUNTY, CALIFORNIA

SC ARCHITECT inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/25 STATE OF CALIFORNIA
STEPHEN J. CORBIN, AIA, NCARB, LEED®-AP BD+C

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

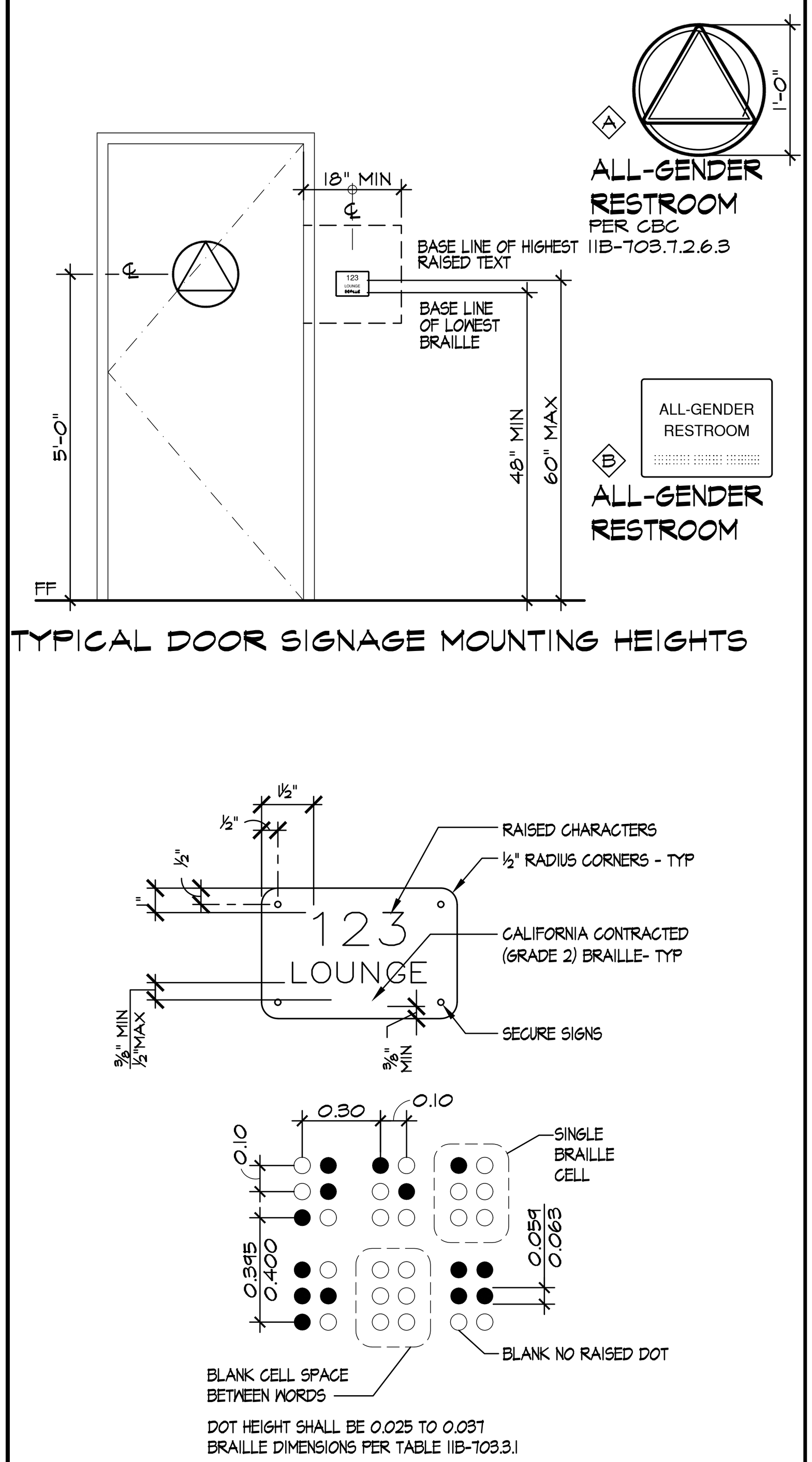
WASCO UNION H.S.D 1915

GRADING PLAN

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1355.1
DRAWN: RTS
CHECKED: RTS
DATE: 10/8/24

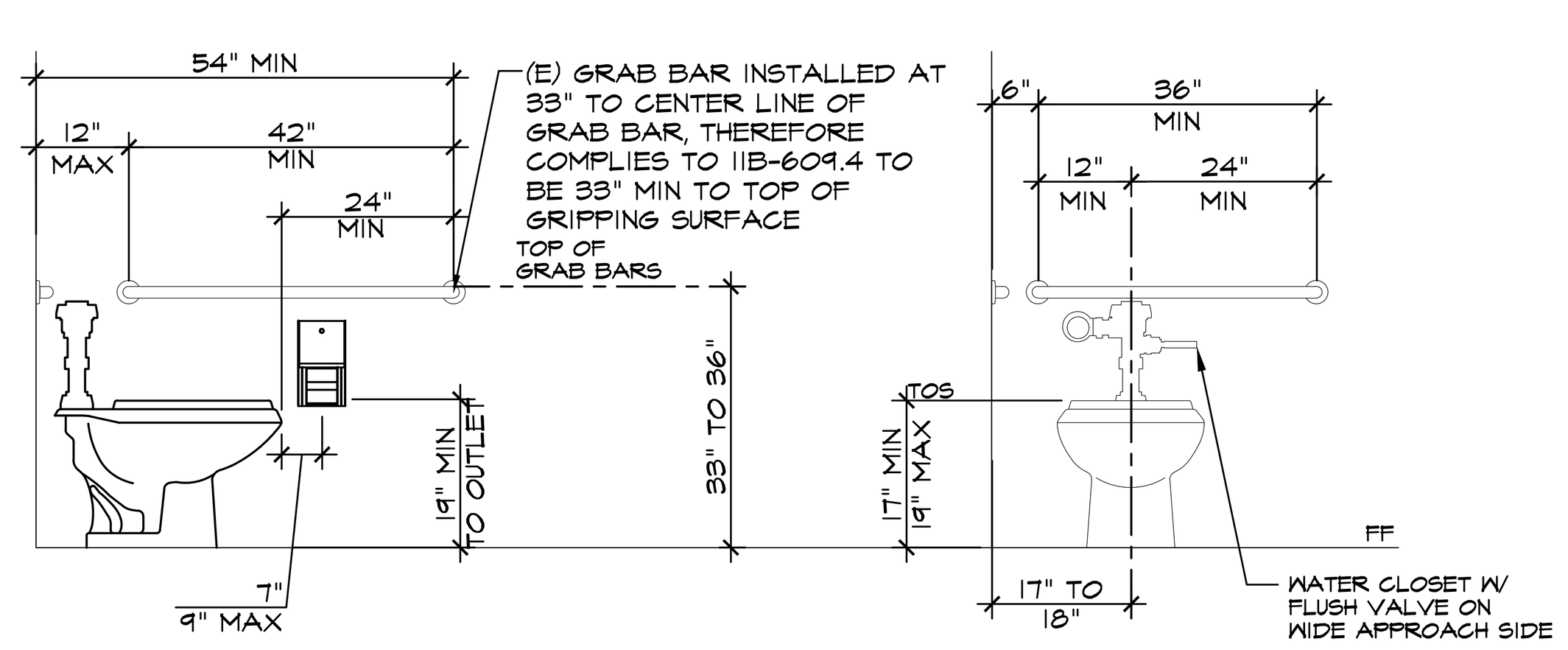
C
1
2 OF 9 SHEETS



NOTES:

1. RAISED CHARACTERS SHALL BE UPPERCASE LETTERS & NUMERALS. SAN SERIF ⅝" MIN TO 2" MAX HEIGHT AND 1/32" MIN RAISED ABOVE BACKGROUND AND SHALL BE DUPLICATED IN BRAILLE PER SECTIONS 11B-703.2 & 11B-703.3 CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN & 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAX OF THE HEIGHT OF CHARACTER. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN THE MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE ⅛" MIN AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MIN AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE BASE OF CROSS SECTIONS, AND 1/8" AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE TOP OF CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS ⅜" MIN.
2. BRAILLE SHALL BE CALIFORNIA CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 & 11B-703.4, BRAILLE DOTS SHALL BE DOMED OR ROUNDED.
3. SIGNAGE SHOWN HEREIN ARE NOT NECESSARILY INCLUDED IN THIS PROJECT. REFER TO PLANS AND SPECIFICATIONS FOR SIGNAGE TYPE AND LOCATION.
4. DIRECTIONAL SIGNS PER PLAN & DESIGNATED AT PATH OF TRAVEL.
5. TACTILE SIGNAGE MOUNTING AND ATTACHMENT PER SPECIFICATIONS.

1 DOOR SIGNAGE — SCALE: NTS

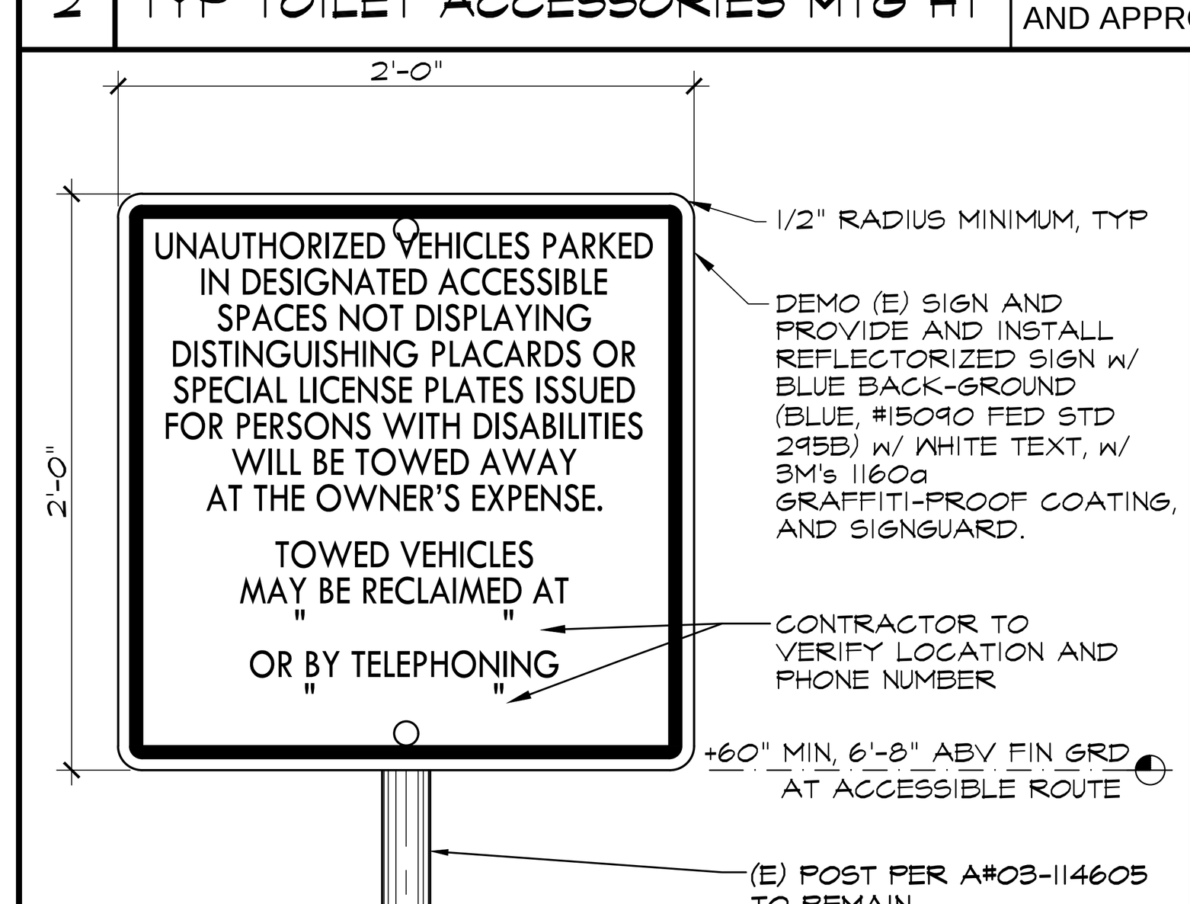


NOTE:

(E) GRAB BARS AND TOILET PAPER DISPENSERS WERE INSTALLED PER A#03-114605 WITH DIMS AS INDICATED AS IS SHOWN HEREIN FOR REFERENCE TO INDICATED COMPLIANCE WITH 2022 CBC

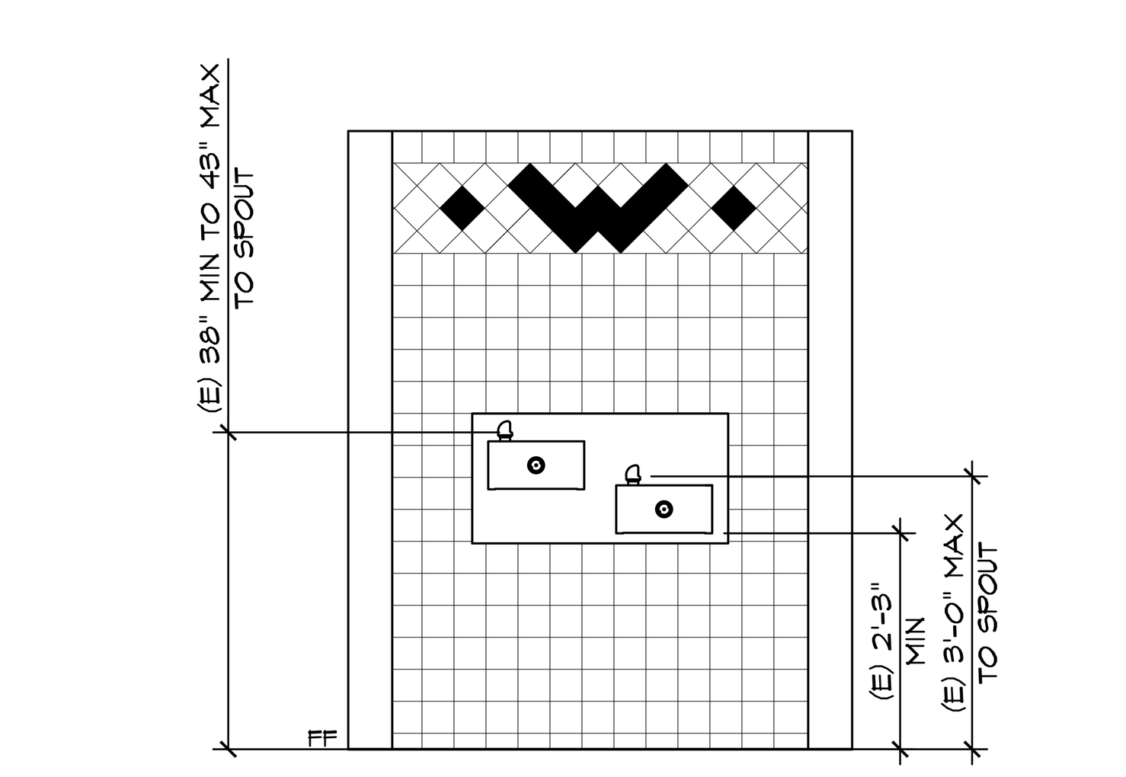
- (E) GRAB BARS COMPLY W/ 11B-609.4
- (E) TOILET PAPER DISPENSER COMPLIES W/ 11B-604.7

2 TYP TOILET ACCESSORIES MTG HT — FOR DSA REFERENCE AND APPROVAL ONLY — SCALE: ½" = 1'-0"



NOTES:
1. LETTERING SHALL BE WHITE AND 1" HIGH MINIMUM
2. CONTRACTOR SHALL VERIFY CONTACT INFORMATION AND PHONE NUMBER WITH DISTRICT PRIOR TO SIGN FABRICATION.
3. REFER TO SITE PLAN FOR LOCATIONS

3 PARKING AUTHORIZATION SIGN — SCALE: ½" = 1'-0"



FOR DSA REFERENCE AND APPROVAL ONLY

4 TYP (E) HI LO DF HEIGHTS — SCALE: ½" = 1'-0"

BUILDING CODE ANALYSIS

BUILDING DESIGNATION	APPLICATION #	BUILDING USE	BLDG OCC TYPE	TYPE OF CONST	BASIC ALLOWABLE AREA	ACTUAL HT STRY/FT	ACTUAL AREA	OCCUPANT LOAD	TOTAL OCCUPANCY
SHADE STRUCTURE	PER THIS APPLICATION	SHADE STRUCTURE	E	II-B	14,500	1 STRY/18'-0"	1,656 SF	1,656/20 =	83

SAFE DISPERSAL AREA

PER CBC 2022 452.1.3 & 1028.5

MAX OCCUPANTS X 3# = MIN AREA #	83 X 3# = 249#	SAFE DISPERSAL AREA INCLUDING WHEELCHAIR SPACE PROVIDE 30"X48" MIN PER WHEELCHAIR →	269 # REQUIRED 21'x13' = 273# W/ (2) WHEELCHAIR SPACES PROVIDED, SEE SHEET A1.0 AREA (A)
MAX OCC/200 = MIN WHEELCHAIR SP REQ'D, W/ 2 SP MIN	83/200 = .395 ≈ 1		

PARKING ANALYSIS:

(E) PARKING LOT "A"
PER DSA A#03-114605

ACCESSIBLE VAN STALL	2
ACCESSIBLE STALLS	2
REGULAR STALLS	+40
TOTAL	44

(E) PARKING LOT "B"
PER DSA A#03-112835

ACCESSIBLE VAN STALL	2
ACCESSIBLE STALLS	2
REGULAR STALLS	+95
TOTAL	99

(E) PARKING LOT "C"
PER DSA A#03-109185

ACCESSIBLE VAN STALL	1
ACCESSIBLE STALLS	3
REGULAR STALLS	+58
TOTAL	62

(E) PARKING LOT "D"
PER DSA A#03-109185

ACCESSIBLE VAN STALL	1
ACCESSIBLE STALLS	5
REGULAR STALLS	+156
TOTAL	162

SITE PLAN GENERAL NOTES:

1. SEE ELECTRICAL SITE PLANS FOR ADDITIONAL SITE RELATED WORK. CONTRACTOR SHALL COORDINATE ALL WORK AS REQ'D TO ENSURE A COMPLETE & FINISHED PROJECT.
2. CONTRACTOR TO TAKE ALL NECESSARY AND REQUIRED MEASURES TO PROTECT (E) IRRIGATION & TURF AREAS WITHIN THE JOB SITE,
   AND SHALL BE RESPONSIBLE TO REPLACE ANY OR ALL BROKEN IRRIGATION SYSTEMS. RESEED TURF AS REQUIRED.
3. CONTRACTOR TO FV ALL (E) UTILITY BOXES, (E) VALVES, ETC. IN AREA OF SCHEDULED WORK. DEMO, REMOVE, RELOCATE AND/ OR MODIFY AS NECESSARY TO COMPLETE THE WORK INDICATED. NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND PLANS.
4. CONTRACTOR SHALL PATCH & MATCH ANY ADJACENT SURFACES DAMAGED AS A RESULT OF PERFORMING THE WORK REQUIRED.
5. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF THE CBC AND CFC "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION."

PATH OF TRAVEL:

PATH OF TRAVEL (POT) AS INDICATED IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING ½" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED ¼" VERTICAL POT IS A MINIMUM OF 48" WIDE. THE SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. PASSING SPACES (11B-405.5.3) AT LEAST 60"X60" SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF POT WITH CONTINUOUS GRADIENTS SHALL HAVE 60" LEVEL AREAS AT INTERVALS OF 400' MAXIMUM (11B-403.7) SLOPE SHALL NOT EXCEED 2% CROSS-SLOPE AND 5% RUNNING SLOPE IN THE DIRECTION OF TRAVEL (11B-401.1) SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.33% SHALL BE CONSIDERED AS A RAMP (11B-405). THERE SHALL BE NO DROP-OFF OVER 4" ALONG THE EDGE OF WALK OR LANDING. POT SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS AND OBJECTS PROTRUDING GREATER THAN 4" FROM A WALL, BETWEEN 27" TO 80" ABOVE FINISHED GRADE. ARCHITECT SHALL VERIFY THAT NO BARRIERS EXIST IN THE PATH OF TRAVEL.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

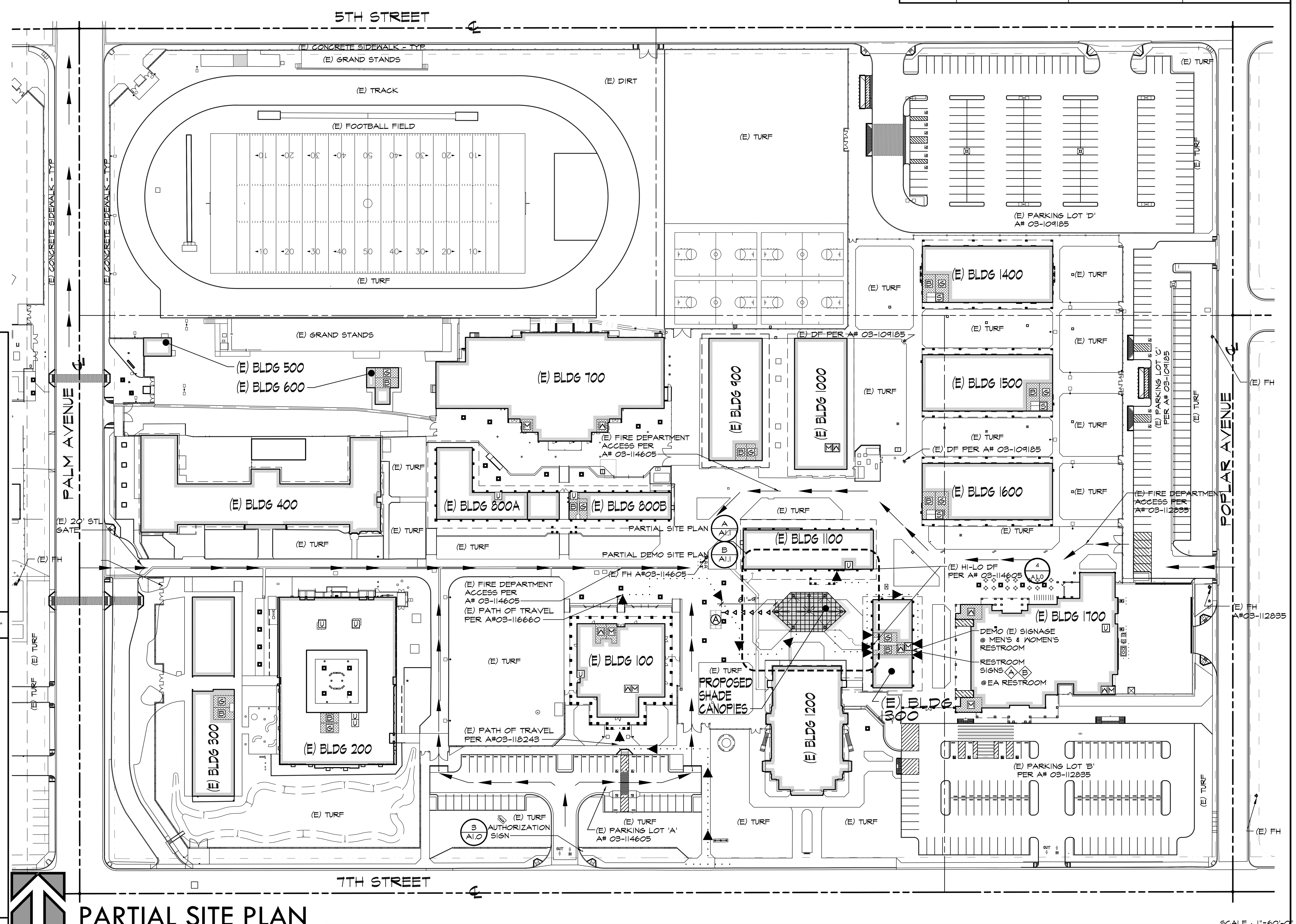
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

LEGEND

- NO WORK SCHEDULED FOR THIS BUILDING
- AREA OF SCHEDULED WORK PER THIS APPLICATION
- RE-SEED TURF AS REQ'D
- CONCRETE WALK (2/A1.1)
- (E) ACCESSIBLE RESTROOM: M MEN'S, W WOMEN'S, B BOY'S, G GIRL'S, S STAFF, U UNISEX
- (A) SAFE DISPERSAL AREA
- PATH OF TRAVEL
- PROPERTY LINE
- (E) MASONRY W/ STL FENCE
- (E) CHAIN LINK FENCE
- FIRE DEPARTMENT ACCESS
- EXIT DISCHARGE
- SIGNAGE, SEE DETAIL (1/A1.0)

CAMPUS DIRECTORY

BLDG ID#	BUILDING DESCRIPTION	DSA A#	CERTIFICATION STATUS/ DATE, LETTER TYPE
(E) BLDG 100	ADMINISTRATION	03-116660	YES/07-06-2018, #1
(E) BLDG 200	SCIENCE CLASSROOMS	763, 2778, 24146, 28491 49939	--- YES/07-18-1995, #1
(E) BLDG 300	LANGUAGE ARTS	14888, 49939	--- YES/07-18-1995, #1
(E) BLDG 400	INDUSTRIAL ARTS	16555	---
(E) BLDG 500	RESTROOMS	8015	---
(E) BLDG 600	CONCESSION STAND	67747	YES/02-01-2002, #1
(E) BLDG 700	GYMNASIUM	3566, 3567, 13002, 15790, 38689 49939 65683 03-114605 03-117430	--- YES/07-18-1995, #1 YES/09-22-1998, #1 YES/09-16-2015, #2 YES/12/16/2020, #1
(E) BLDG 800A	CLASSROOM	10300 03-114605	--- YES/09-16-2015, #2
(E) BLDG 800B	CLASSROOM	5664 49939 03-114605	--- YES/07-18-1995, #1 YES/09-16-2015, #2
(E) BLDG 900	LIFE SCIENCE "A"	03-100202	YES/05-13-2022, #1
(E) BLDG 1000	LIFE SCIENCE "B"	03-100202	YES/05-13-2022, #1
(E) BLDG 1100	LIBRARY	5666 03-114605	--- YES/09-16-2015, #2
(E) BLDG 1200	AUDITORIUM	17520, 27199, 40356	---
(E) BLDG 1300	CLASSROOM	10300 03-114605	--- YES/09-16-2015, #2
(E) BLDG 1400	CLASSROOMS/RESTROOMS	03-109185	YES/03-12-2008, #1
(E) BLDG 1500	CLASSROOMS/RESTROOMS	03-110685	YES/07-29-2010, #1
(E) BLDG 1600	CLASSROOMS/RESTROOMS	03-111436	YES/02-03-2010, #1
(E) BLDG 1700	CAFETERIA/CULINARY ARTS	03-112835	YES/04-11-2012, #1



PARTIAL SITE PLAN — SCALE: 1"=60'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124404 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/15/2024

PTN: 63859-17 FILE: 15-H7

WASCO HIGH SCHOOL

ESSER FUNDED SHADE STRUCTURE AND SITE IMPROVEMENTS
1900 7TH ST., WASCO, CA. 93280
FOR
WASCO UNION HIGH SCHOOL DISTRICT
WASCO, KERN COUNTY, CALIFORNIA

SC ARCHITECT INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/25 STATE OF CALIFORNIA
STEPHEN J. CORBIN, AIA, NCARB, LEED®-AP BD+C

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

WASCO UNION H.S.D. TIGERS 1915

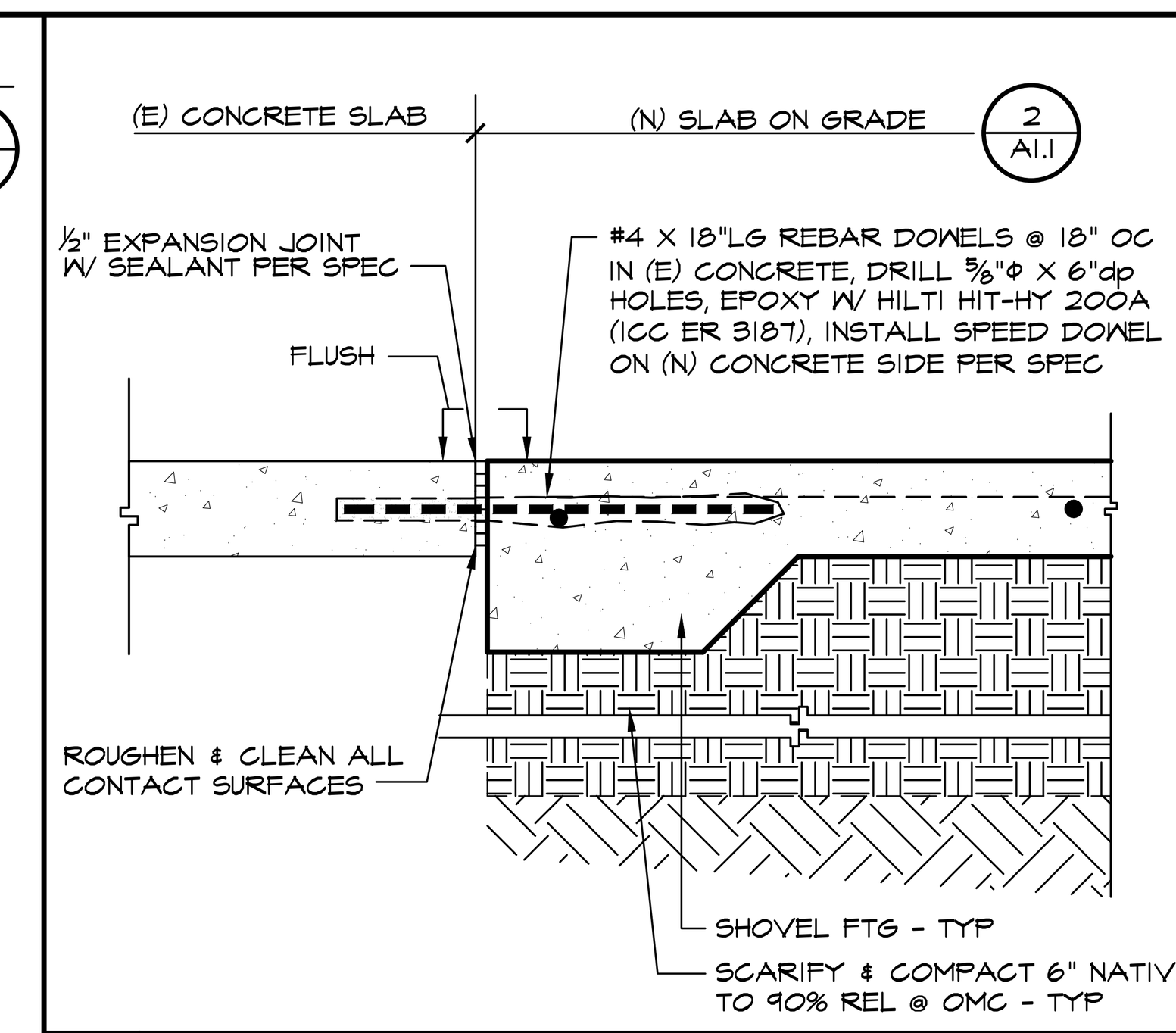
PARTIAL SITE PLAN

MARK	DATE	REVISIONS
1		
2		
3		

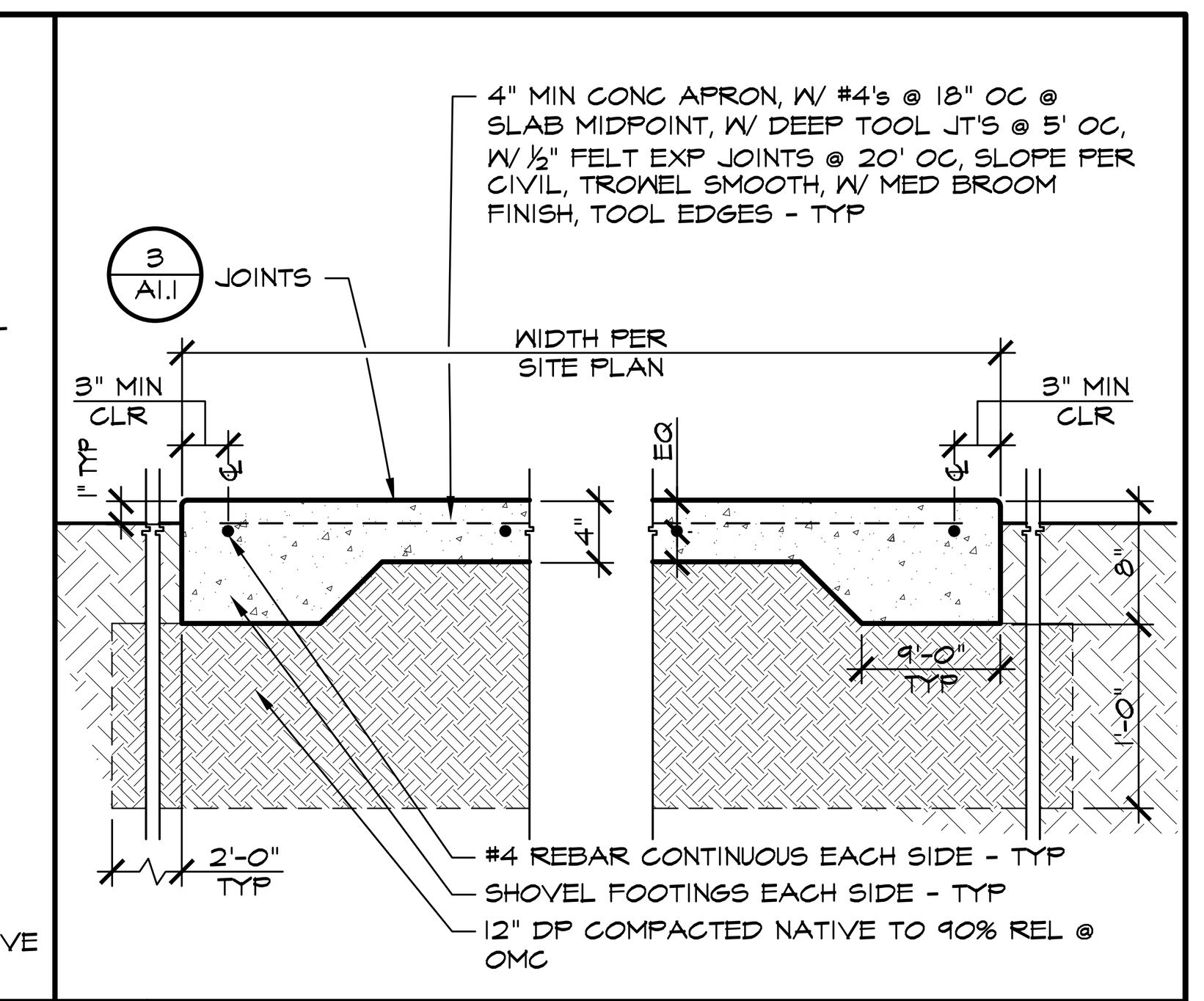
JOB NO. 1355.1
DRAWN: AP, ED
CHECKED: BCW
DATE: 10/8/24

LEGEND:

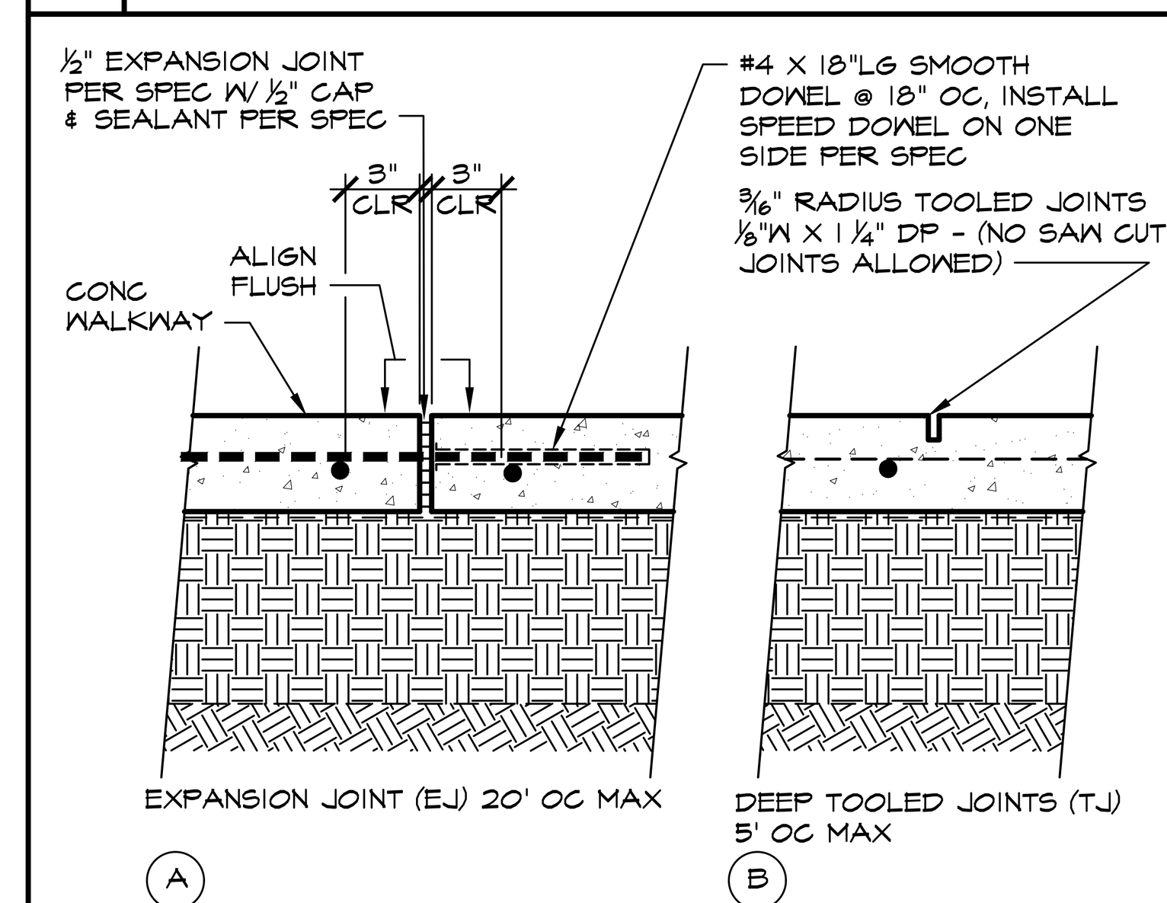
(blank box)	NO WORK SCHEDULED FOR THIS BUILDING	(grid)	CONCRETE WALK 2/A1.1
(hatch)	AREA OF SCHEDULED WORK PER THIS APPLICATION	(shading)	DEMO (E) CONC WALK
(dots)	RE-SEED TURF AS REQ'D	(shading)	LIMIT OF EXCAVATION
(crosshatch)	(E) ACCESSIBLE RESTROOM: M MENS, W WOMENS, B BOYS, G GIRLS, S STAFF, U UNISEX		



1 CONC WALK @ (E) CONC SCALE: ¾" = 1'-0"

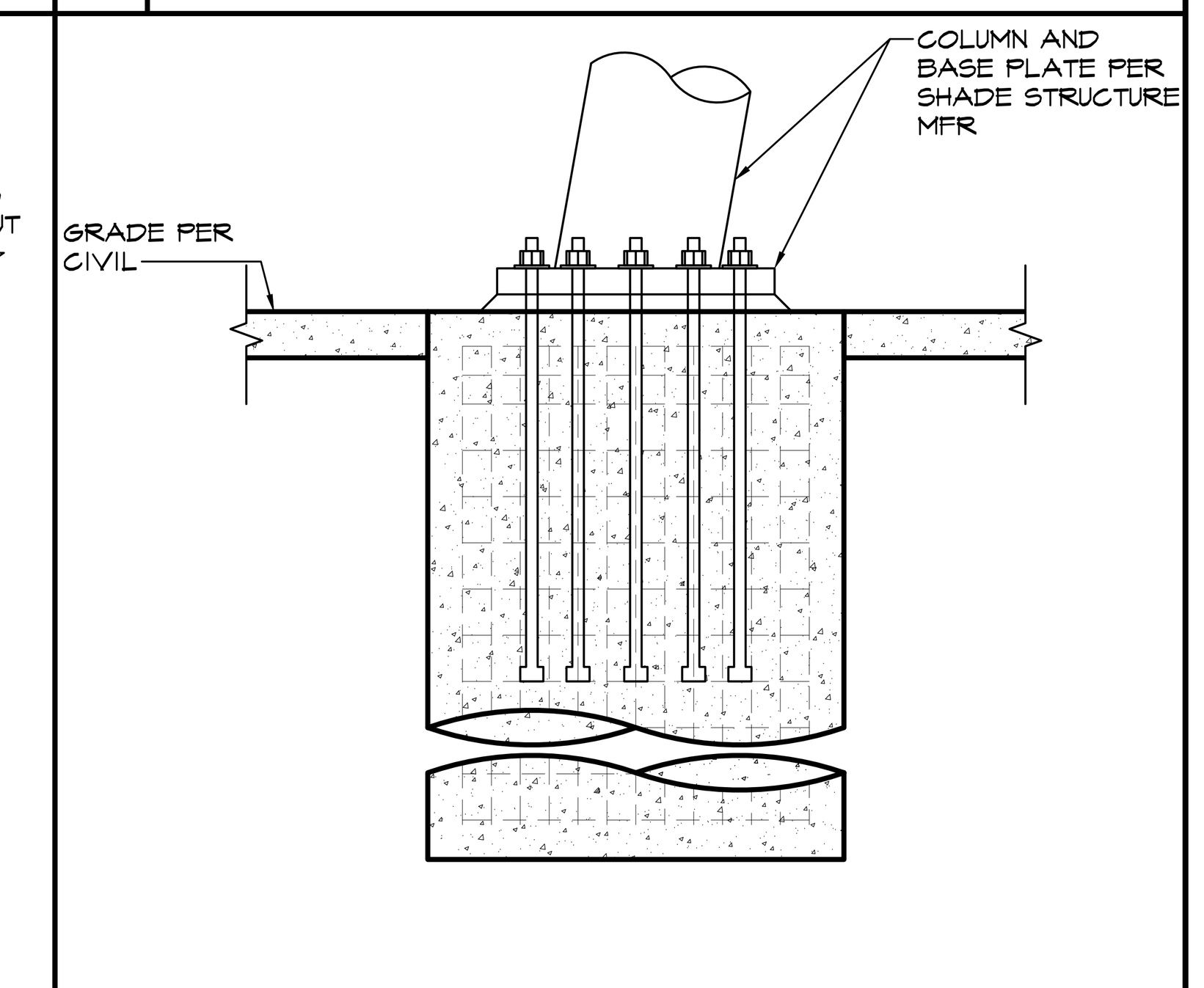


2 CONCRETE DETAIL SCALE: 1" = 1'-0"



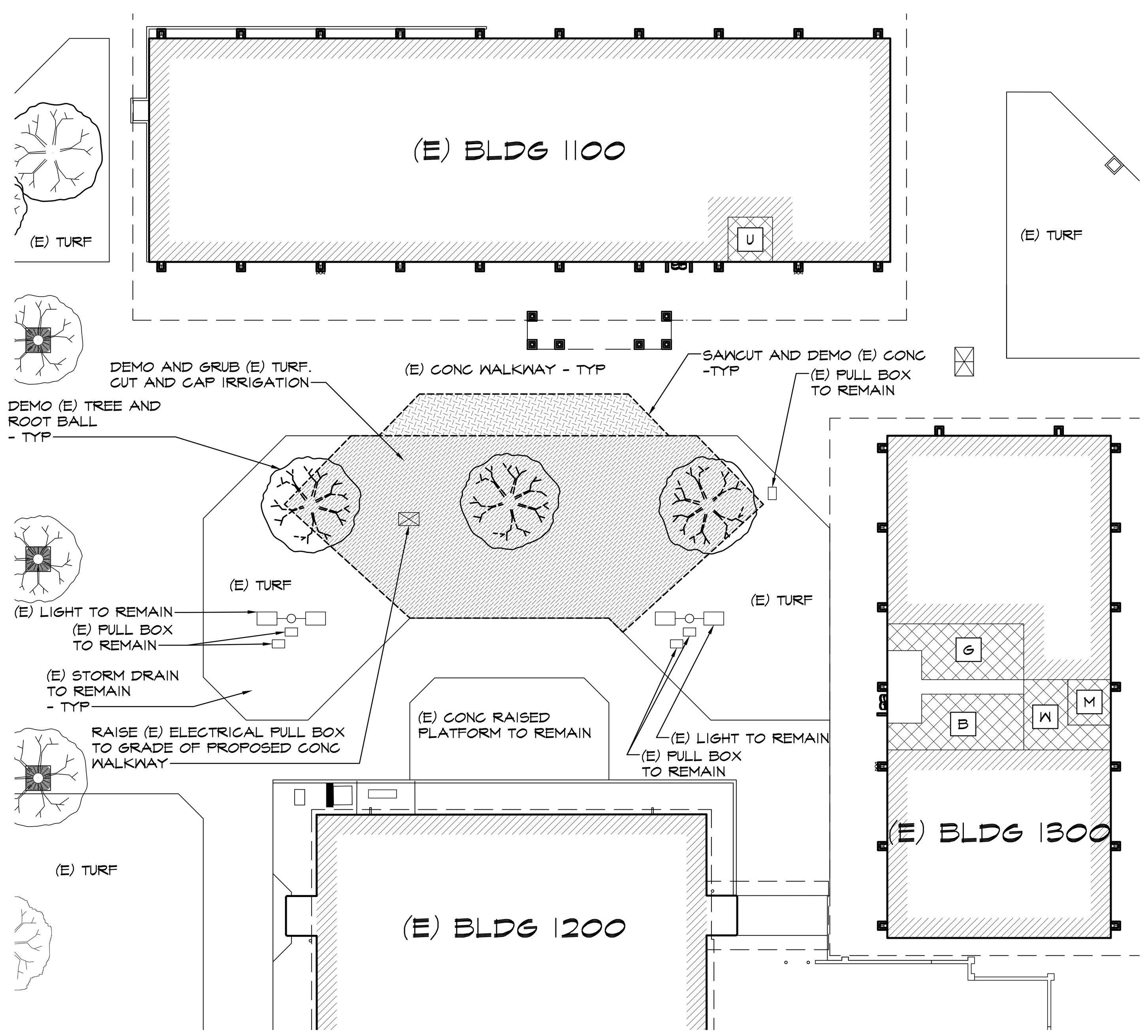
NOTES:
1. ALL REBAR TO BE @ CENTER OF SLAB
2. COMPACT NATIVE 12" DP BELOW FTG TO 90% REL @ OMC - TYP

3 CONCRETE JOINT DETAILS SCALE: ¾" = 1'-0"



4 SHADE STRUCTURE FOOTING SCALE: ¾" = 1'-0"

NOTE:
- CONTRACTOR SHALL LAYOUT THE LOCATIONS OF ALL PIER FOOTINGS AND SHALL COORDINATE WITH DISTRICT PERSONNEL FOR POT-HOLING ALL LOCATIONS TO VERIFY LOCATION AND DEPTH OF ANY AND ALL UTILITIES PRIOR TO DRILLING FOR PIER FOOTINGS. IN THE EVENT THAT UTILITIES ARE FOUND IN THE LOCATIONS OF THE PIER FOOTINGS THE LOCATION OF THE STRUCTURE MAY BE SHIFTED AT THE DIRECTION OF THE ARCHITECT/DISTRICT.
- SHADE STRUCTURES ARE PROHIBITED FOR COOKING AND NOT TO BE USED FOR STORAGE.

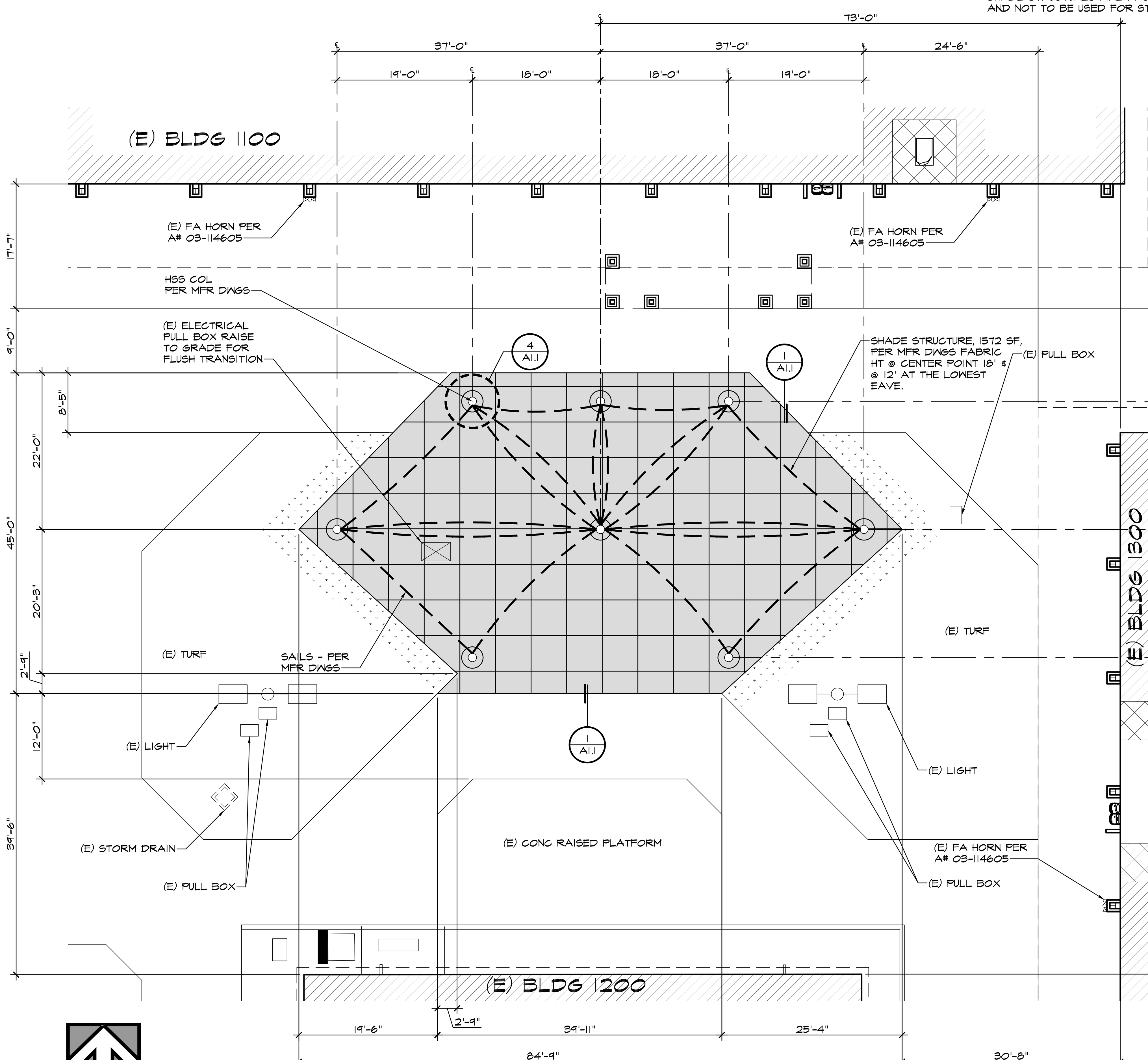


PLAN NORTH

B PARTIAL DEMO SITE PLAN

NOTE:
NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA

SCALE : 1"=20'-0"



PLAN NORTH

A PARTIAL SITE PLAN

SCALE : 1"=10'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124404 INC:
REVIEWED FOR
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DATE: 11/15/2024

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WASCO UNION H.S.D. 1915

PARTIAL SITE PLAN, PARTIAL DEMO SITE PLAN & DETAILS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1355.1
DRAWN: AP, ED
CHECKED: BCW
DATE: 10/8/24

1.1

WASCO UNION HIGH SCHOOL AUDITORIUM

DESIGN INFORMATION, CODES AND STANDARDS

GENERAL NOTES

1. ALL MATERIAL AND WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AND THE ADOPTED STANDARDS REFERENCED THEREIN; AS WELL AS ANY OTHER REGULATING AGENCIES HAVING AUTHORITY AND JURISDICTION OVER ANY PORTION OF THE WORK; AND OF THESE STRUCTURAL NOTES AND SPECIFICATIONS.
2. STRUCTURE SHALL BE INSTALLED / CONSTRUCTED IN THE LOCATION AS INDICATED ON THE SITE SPECIFIC DSA APPLICATION DRAWING.
3. ALL DRAWINGS SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT ALL STRUCTURAL ELEMENTS AND MEMBERS (ROOF, SLAB, COLUMNS, ETC.) ARE ADEQUATELY BRACED DURING CONSTRUCTION. BRACING OF SUCH ELEMENTS AND MEMBERS SHALL REMAIN IN PLACE UNTIL THEY ARE PROPERLY SECURED.
5. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOADS FOR THE SUPPORTING MEMBERS AND THEIR CONNECTIONS.
6. SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD NOTES ON THIS SHEET, WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF THE UTILITY SERVICE IN THE AREA TO BE EXCAVATED PRIOR TO BEGINNING EXCAVATION.

APPLICABLE CODES AND STANDARDS

1. 2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, CCR
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 INTERNATIONAL BUILDING CODE, VOL 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR (2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
6. 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, CCR
7. 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
8. 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE AND 2O22 CALIFORNIA AMENDMENTS)
9. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN , PART 11, TITLE 24, CCR
10. 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR
11. TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

MANUFACTURING

1. STEEL AND FABRIC MANUFACTURING SHALL BE COMPLETED BY SOUTHERN HEMISPHERE SHADES, INC. OR AN APPROVED LICENSEE, ENTITY, OR PARTNER WHEN INDICATED IN WRITING BY A SOUTHERN HEMISPHERE SHADES, INC. EXECUTIVE EMPLOYEE

ADJACENT STRUCTURES

1. IN RELATION TO ADJACENT BUILDINGS THE LOCATION OF THIS SHADE STRUCTURE IS SUBJECT TO SITE SPECIFIC APPROVAL.

SPRINKLERS

1. SHADE STRUCTURES ARE NOT REQUIRED TO HAVE FIRE SPRINKLERS WHEN UTILIZED AS OPEN / CIRCULATION PURPOSES.

BUILDING DATA

1. CONSTRUCTION TYPE II-B
2. REFER TO ARCHITECTURAL SHEET FOR OCCUPANCY GROUP AND COMBINED ALLOWABLE AREA.

GEOTECHNICAL CONSULTANT NOTES:

THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT SHALL BE FOLLOWED FOR THE CONSTRUCTION OF THE FOUNDATION DESIGN INCLUDING ANY SPECIFICATIONS FOR FOUNDATIONS ON NATIVE SOIL/ MATERIAL OR ENGINEERED FILL. PIERS MUST BE OBSERVED AND APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF REINFORCING STEEL.

GEOTECHNICAL CONSULTANT:
SOIL ENGINEERING, INC.
4400 YEAGER WAY STE 1A,
BAKERSFIELD, CA 93313
TEL: (661) 831-5100
REPORT NUMBER: 15-15464 DATED 04/12/2024

GENERAL NOTES

DESIGN LOADS

1. DEAD LOAD: FABRIC CANOPY, Dr: 0.06PSF (UNIFORM LOAD)
2. LIVE LOAD ROOF, Lr: 5 PSF (UNIFORM LOAD)
3. FLOOD HAZARD AREA: NO

FOUNDATION REQUIREMENTS (CIDH)

1. VERTICAL LOADS:
   ALLOWABLE BEARING PRESSURE: 1500 PSF (DL + LL)
   1,500 PSF (DL + LL + seismic (CONCRETE FOOTING))
2. LATERAL LOADS
   BASIC LATERAL BEARING PRESSURE: 290 PCF (NEGLECT TOP 12”)
   HORIZONTAL CLEAR DISTANCE OF (7X) THE DIAMETER OF THE PIER (21’-0”) AND FACE OF NEAREST SLOPE (DAYLIGHTING).
3. GEOTECHNICAL REPORT
   WHERE GEOTECHNICAL REPORT IS REQUIRED, THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT SHALL BE FOLLOWED FOR THE CONSTRUCTION OF THE FOUNDATION, INCLUDING ANY SPECIFICATIONS FOR THE FOUNDATIONS FOUNDED ON UNDISTURBED NATIVE SOIL/MATERIAL OR ENGINEERED FILL.

SNOW DESIGN

1. FLAT ROOF SNOW LOAD P_f (non-reducible) @ 0 psf

WIND DESIGN

1. DIRECTIONAL PROCEDURE: ASCE 7-16
2. BASIC SPEED, V: 94MPH
2.1 73 MPH (ASD)
3. DIRECTIONALITY FACTOR, Kd: 0.85
4. RISK CATEGORY : II
5. SURFACE ROUGHNESS CATEGORY: B
6. EXPOSURE CATEGORY: C
7. PRESSURE COEFFICIENT, Kz: 0.71
8. TOPOGRAPHICAL FACTOR, Kzt: 1.00
9. GUST EFFECT FACTOR, G or Gf: 0.85
10. VELOCITY PRESSURE, qz: 13.36 psf
11. ENCLOSURE CLASSIFICATION: OPEN
12. CLEAR WIND FLOW: DESIGNER TO VERIFY OBJECTS BELOW SHADE STRUCTURE BLOCK LESS THAN 50% OF HORIZONTAL PROJECTED AREA UNDER CANOPY TO MEET COMPLIANCE.
13. GROUND ELEVATION: 325 FT

SEISMIC DESIGN

1. SEISMIC FORCE RESISTING SYSTEM: ORDINARY CANTILEVER COLUMN SYSTEM (OCCS)
2. EQUIVALENT LATERAL FORCE PROCEDURE
3. SEISMIC DESIGN CATEGORY: D
4. IMPORTANCE FACTOR, I: 1.0
5. DESIGN BASE SHEAR ISOLATED (8-POLE SYSTEM) V_ASD = 7.06 KIPS (8 POLE SYSTEM)
6. RESPONSE FACTOR, R: 1.25
7. OVERSTRENCTH FACTOR Ω = 1.25
8. REDUNDANCY FACTOR ρ = 1.30
9. SITE CLASSIFICATION: D
10. ACCELERATION PARAMETER, SS: 0.816 g
11. ACCELERATION PARAMETER, S1: 0.308 g
12. SITE COEFFICIENT, Fa: 1.174
13. SITE COEFFICIENT, Fv: 1.992
14. DESIGN ACCEL. PARAMETER, Sds: 0.638 g
15. SEISMIC DESIGN COEFF: C_s = 0.511
16. DESIGN ACCEL. PARAMETER, SD1: 0.409 g
17. RISK CATEGORY: II

MATERIAL SPECIFICATIONS

STRUCTURAL STEEL NOTES:

1. DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC MANUAL OF STEEL CONSTRUCTION, 15TH EDITION, AISC 360-16.
2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
3. STRUCTURAL STEEL GRADES:
   A. SHAPES AND PLATES : ASTM A36 (Fy=36 KSI)
   B. HIGH STRENGTH PLATES ASTM A572 GRADE 50
   C. STRUCTURAL TUBING (ROUND HSS) : ASTM A500, GRADE C (Fy =50 KSI)
   D. MACHINE BOLTS & NUTS : BOLT: ASTM A307 GRADE A, NUT: ASTM 563A HEX
   E. ANCHOR BOLTS: ASTM F-1554 GRADE 36 (GALVANIZED)
4. ALL STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/ RODS, SHALL BE, HOT DIP GALVANIZED (ASTM A153 CLASS D MINIMUM OR ASTM F2329). REFER TO STRUCTURAL SELECTIONS AS NOTED ON SHEET S.S. 01-4.
5. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION", AMERICAN WELDING SOCIETY, AND THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". WELDING PROCESSES SHALL BE GMAW / FCAW-G / SMAW PER AWS. ELECTRODES SHALL BE GAS-METAL ARC USING ER70S6 WIRE, ULTRACORE 71C WIRE, OR LOW-HYDROGEN TYPE E-70 WELDING RODS. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS. ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS. ALL EXPOSED BUTT WELDS SHALL BE GROUND SMOOTH.

REINFORCED CONCRETE NOTES:

1. DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-19-TYP.
2. CEMENT SHALL CONFORM TO ASTM C-150, TYPE V.
3. AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE.
4. CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:
5. CONCRETE MIX TESTING AND DESIGN SHALL MEET THE REQUIREMENTS OF CHAPTER 26 OF ACI 318-19 AND SECTION 1904A OF THE 2022 CBC RESPECTIVELY, AND THESE SPECIFICATIONS.
6. CONCRETE CURING SHALL BE PER THE PROVISIONS OF CHAPTER 26 OF ACI 318-19.
7. ALL CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL VIBRATORS.
8. MAXIMUM AGGREGATE SHALL BE 1”.
9. MAXIMUM SLUMP SHALL BE 4”.
10. CONCRETE MIX SHALL BE EXPOSURE CLASS S3 PER TABLE 19.3.2.1 UNLESS OTHERWISE NOTED BY SITE-SPECIFIC GEOTECHNICAL REPORT

MAXIMUM WATER/CEMENT RATIO 0.40; MINIMUM COMPRESSIVE STRENGTH f'c = 5,000 (PSI) TYPE V CEMENT COMPLYING WITH ADDITIONAL REQUIREMENTS OF ASTM C150, AND APPLICABLE SECTIONS OF ACI 318-19 TABLE 19.3.2.1 & FOOTNOTE 8

REINFORCING STEEL NOTES:

1. DESIGN, DETAILING, FABRICATION AND PLACEMENT OF STEEL REINFORCEMENT SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF ACI 318-19 AND AWS D1.4 AS APPLICABLE.
2. BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL REINFORCING STEEL, ANCHOR BOLTS, HOLD-DOWN ANCHORS, DOWELS AND INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE OR GROUT.
4. REINFORCING STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF CONCRETE COVER UNLESS NOTED OTHERWISE:
   CONCRETE CAST AGAINST EARTH : 3”
   FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
   NO. 5 OR SMALLER BARS : 1-1/2"
   NO. 6 AND LARGER BARS : 2”

PAINT AND CORROSION PREPARATION SPECIFICATIONS

1. STRUCTURAL STEEL TUBING PREPARATION SHALL BE CLEANED AND PREPARED PER SSPC-SP1: CHEMICAL CLEANING, SSPC-SP2: HAND TOOL CLEANING, SSPC-SP 3: POWER TOOL CLEANING AND / OR SSPC-SP 6 (NACE 3): COMMERCIAL GRADE BLAST CLEANING AS REQUIRED PER MANUFACTURER’S RECOMMENDATION.
2. STEEL SHALL BE PRIMED WITH A SHERWIN WILLIAMS MACROPOXY
3. STEEL SHALL BE TOP COAT PAINTED WITH A SHERWIN WILLIAMS PRO INDUSTRIAL WATER BASED URETHANE IN CUSTOMERS COLOR SELECTION.

MATERIAL SPECIFICATIONS

FABRIC SPECIFICATIONS

DESIGN FABRICATION AND INSTALLATION OF THE FABRIC SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF ASCE/SEI 55-16 TENSILE MEMBRANE STRUCTURES ALLOWABLE STRESS INCREASE IS NOT PERMITTED.
FABRIC SHALL BE ALNET EXTRA BLOCK SHADECLOTH AS PER BELOW. FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE. MAINTENANCE MANUAL TO BE PROVIDED BY MANUFACTURER. SITE PACKAGE SUBMITTAL TO PROVIDE CURRENT REGISTERED FLAME RESISTANT PRODUCT LETTER FROM THE OFFICE OF THE STATE FIRE MARSHAL.

MANUFACTURER: ALNET EXTRA BLOCK SHADECLOTH
1. WEIGHT: 9.6 OZ PER SQUARE YARD
2. TENSILE STRENGTH: WARP/WEFT 1,668 LB/FT / 2,040 LB/FT AS PER ASTM D-5034
3. TEAR STRENGTH: WARP/WEFT 33 lbs / 36 lbs AS PER ASTM D-2261
4. ASTM E84 CLASS A FIRE RATED
5. NFPA-701 TEST METHOD 2 FIRE RATED
6. CSFM TITLE 19 REGISTERED: F-094501
7. MODULUS OF ELASTICITY WARP/WEFT Ex = 2,758 PSI / Ey = 3,373 PSI
8. SEAMS - PROTECTED FROM SUNLIGHT - 90% OF BASE FABRIC STRENGTH PER ASCE 55. TABLE 4.1

CABLE SPECIFICATIONS

DESIGN FABRICATION AND INSTALLATION OF THE CABLES SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF ASCE/SEI 19-16 STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS

1. FOR CONNECTING FABRIC AT EACH CORNER ALL STEEL CABLE SHALL BE GALVANIZED 1/2” Ø, 6 X 19 I.W.R.C. PER ASTM A1023 WITH A BREAKING STRENGTH OF 20,700 LBS, AND ATTACH THROUGH SHACKLES. MAXIMUM ALLOWABLE CABLE CAPACITY Sa = 7,527 LBS
2. SHACKLES SHALL BE 7/8” Ø GALVANIZED BOLT TYPE WITH A WORKING LOAD LIMIT OF 6-1/2 TONS .
3. WIRE ROPE CLOPS SHALL BE 1/2” DROP FORGED AND MEET FEDERAL SPECIFICATION FF-C-450 TYPE 1, CLASS 1.
4. THIMBLES SHALL BE GALVANIZED HEAVY DUTY AND COMPLY WITH FEDERAL SPECIFICATION FF-T-276 TYPE 3.
5. REFER TO STRUCTURAL SELECTIONS AS NOTED ON PAGE 4 AND MANUFACTURER CUT SHEETS ON PAGE 5.
6. CABLE SHALL BE FED THROUGH THE FABRICS PERIMETER HEM AND TENSIONED UNTIL THE CANOPY IS TAUGHT AND TENSIONED TO 250 LBS.
7. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFIRM TO THE GUIDELINES AS SPECIFIED IN APPENDICES “A, B & C” RESPECTIVELY IN ASCE 19-16, “STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS”.

SHEET INDEX

Southern Hemisphere Shades, Inc.
P: 916.348.1391
www.BUILDSHADE.com

PRODUCT
DSA SAIL STRUCTURES: CUSTOM

SIZE (L X W X H)
74' X 36' X 18' MAX.

LOCATION
1900 SEVENTH ST
WASCO, CA 93280

PROJECT
WASCO UNION HIGH SCHOOL AUDITORIUM

ENGINEERING

DESCRIPTION
Cover Page and Codes

S.S. 01-1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124404 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/15/2024

PTN : 63859-17 FILE: 15-H7

WASCO HIGH SCHOOL
ESSER FUNDED SHADE STRUCTURE AND SITE IMPROVEMENTS
1900 7TH ST., WASCO, CA. 93280
FOR
WASCO UNION HIGH SCHOOL DISTRICT
WASCO, KERN COUNTY, CALIFORNIA

ARCHITECT SC inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/25 STATE OF CALIFORNIA

STEPHEN J. CORBIN, AIA, NCARB, LEED®-AP BD+C

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

WASCO TIGERS UNION H.S.D 1915

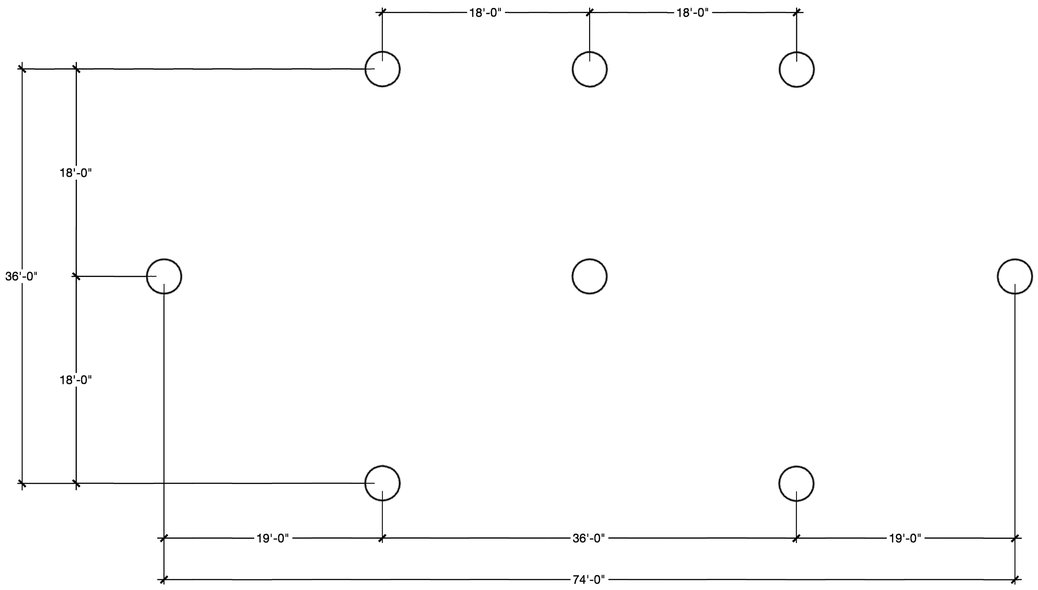
COVER PAGE AND CODES

MARK	DATE	REVISIONS
1		
2		
3		

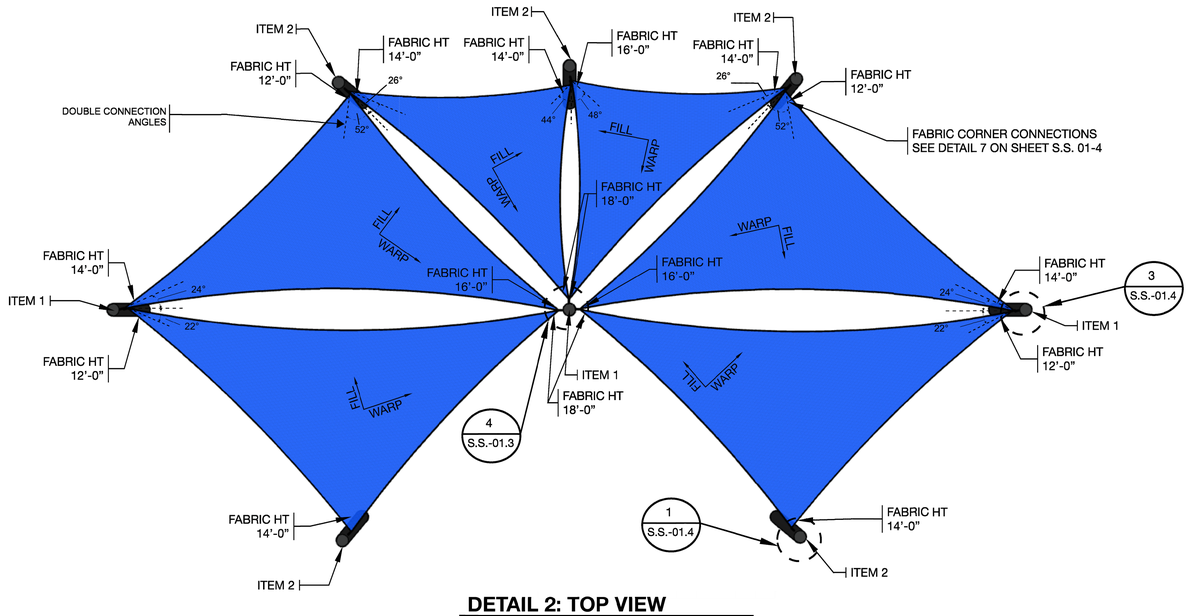
JOB NO. 1355.1
DRAWN : SHSI
CHECKED : PZSE
DATE : 10/8/24

S.S.

ELEVATIONS A



DETAIL 1: FOUNDATION LAYOUT
SCALE: NTS



DETAIL 2: TOP VIEW
SCALE: NTS

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ELEVATIONS A

MARK	DATE	REVISIONS
1		
2		
3		

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DRAWN: SHSI
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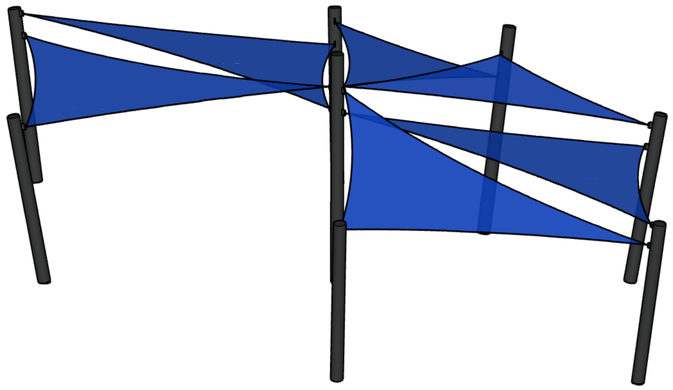
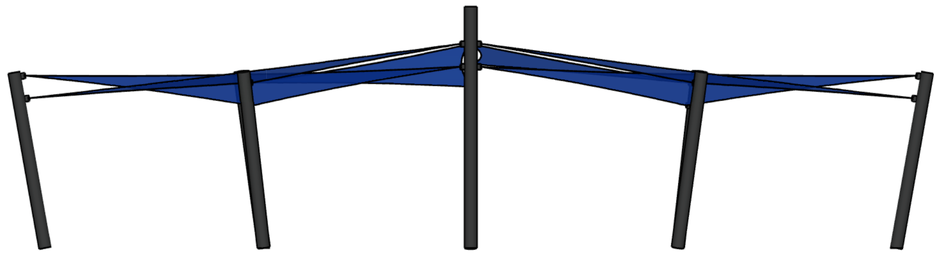
DATE: 10/8/24

01-2
6 OF 9 SHEETS

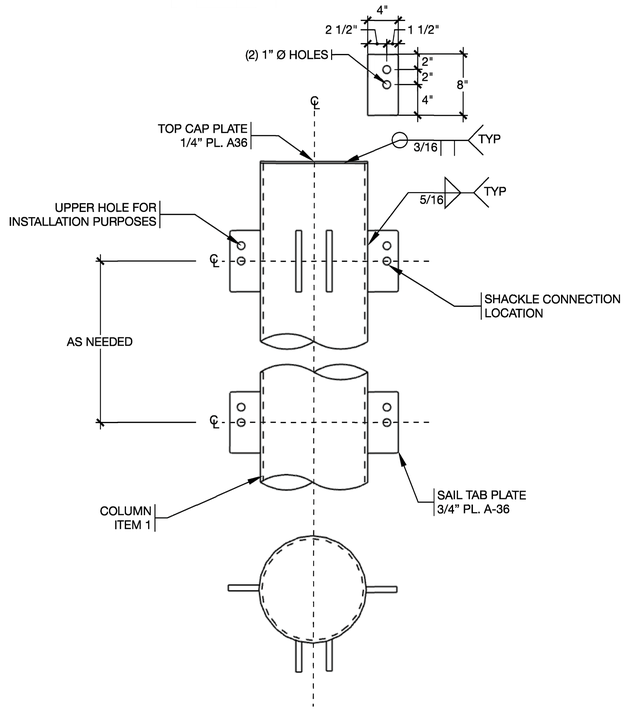
ELEVATIONS B



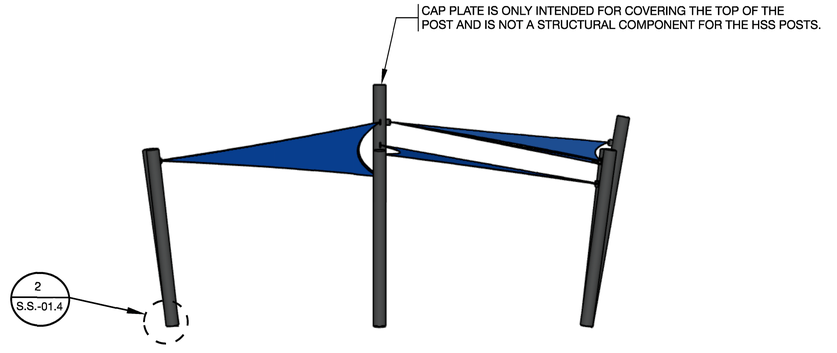
DETAIL 2: ISO VIEW
SCALE: NTS



DETAIL 1: FRONT VIEW
SCALE: NTS



DETAIL 4: CENTER COLUMN
SCALE: NTS



DETAIL 3: SIDE VIEW
SCALE: NTS

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PROJECT
WASCO UNION HIGH SCHOOL
AUDITORIUM

ENGINEERING

DESCRIPTION
Elevations B & Details

S.S. 01-3

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ELEVATIONS B & DETAILS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1355.1
DRAWN: SHSI
CHECKED: PZSE
DATE: 10/8/24

01-3
7 OF 9 SHEETS

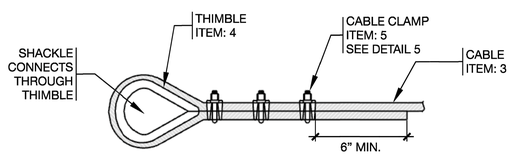
STRUCTURAL DETAILS

MATERIAL LIST			
ITEM	**MATERIAL**	**DESCRIPTION**	**SPECIFICATION**
1	HSS14.00 X .500	COLUMN	A-500 GRADE C, ROUND
2	HSS14.00 X .375	COLUMN	A-500 GRADE C, ROUND
3	1/2" GALVANIZED CABLE	TENSION CABLE	6X19 - 20.7 KIP BREAK STRENGTH
4	STANDARD GALVANIZED	THIMBLE	FF-T-276 TYPE 3
5	1/2" GALVANIZED CLIPS	CABLE CLAMPS	FORGED, FED FF-C-450
6	7/8" GALVANIZED	BOLT TYPE SHACKLE	WLL 10,000 LBS.
7	ALNET SHADECLOTH	FABRIC	SEE FABRIC SPECS ON COVER

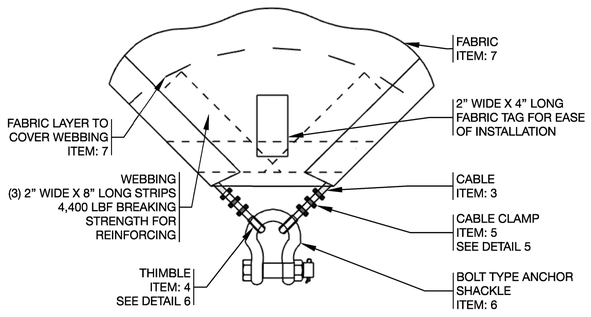
NOTE: CABLE SHALL BE FED THROUGH THE FABRICS PERIMETER HEM AND TENSIONED TO 250 LBS AND FABRIC REACHES TAUT APPEARANCE.

U-BOLT ROPE CLAMP
MIN. NO. OF CLIPS = (3)
ROPE TURN BACK = 11-1/2"
TORQUE = 65 FT-LBS
TERMINATION EFFICIENCY = 80%

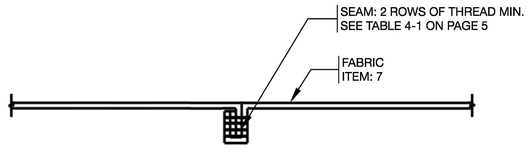
INSTALL NOTES:
1) "U" SECTION OF CLIP IS IN CONTACT WITH DEAD END OF ROPE
2) CLIP INSTALL SEQUENCE
FIRST CLIP - ONE BASE WIDTH FROM DEAD END OF ROPE,
SECOND CLIP - AS NEAR THE LOOP OR THIMBLE AS POSSIBLE
WHERE (3) OR MORE CLIPS ARE REQUIRED, SPACE ADDITIONAL CLIPS EQUALLY BETWEEN FIRST (2).



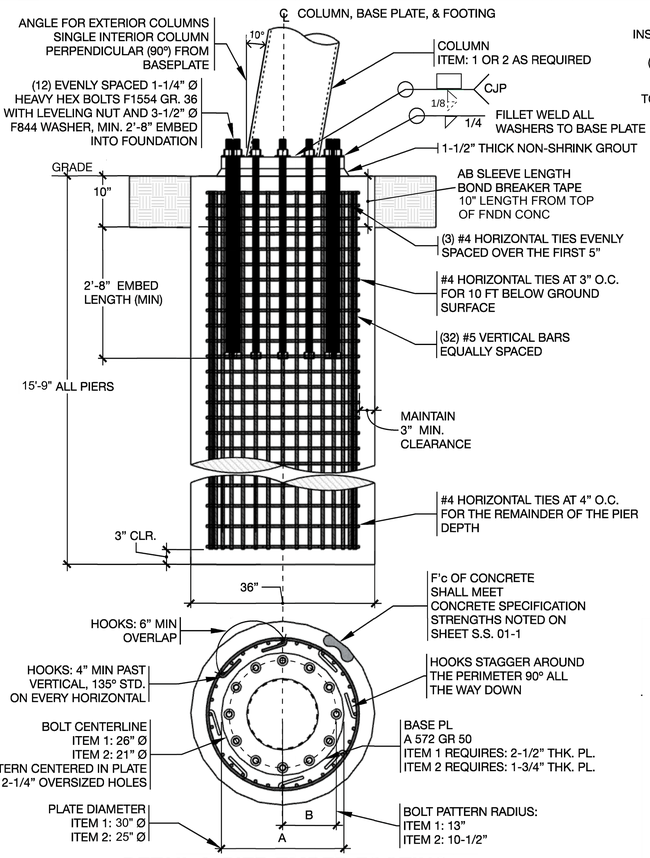
DETAIL 6: CABLE DETAIL
SCALE: NTS



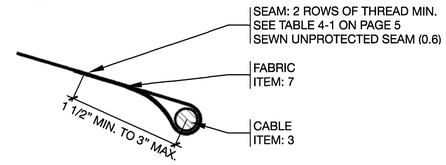
DETAIL 7: CORNER DETAIL
SCALE: NTS



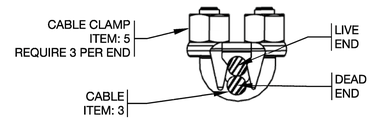
DETAIL 8: SEAM DETAIL
SCALE: NTS



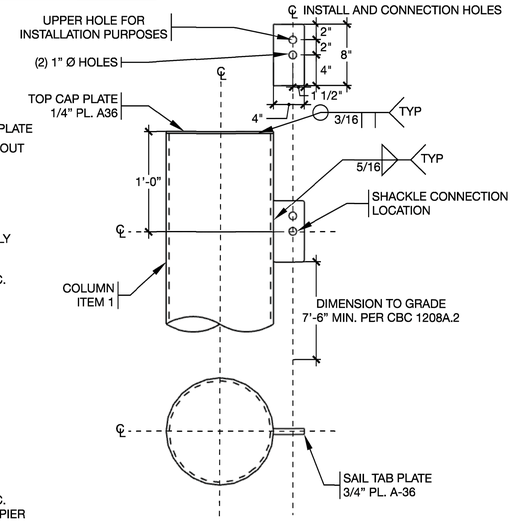
DETAIL 2: PIER EMBED FOOTING
SCALE: 1-0" = 1'



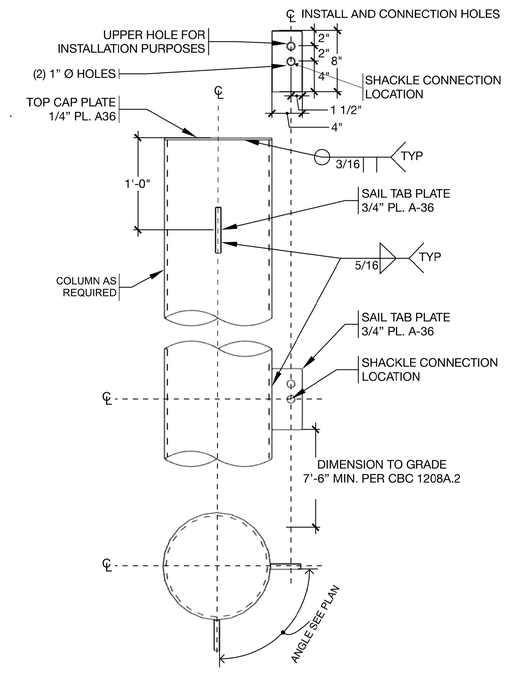
DETAIL 4: CABLE POCKET HEM
SCALE: NTS



DETAIL 5: CABLE CLAMP DETAIL
SCALE: NTS



DETAIL 1: SINGLE CONNECTION
SCALE: 1-1/2" = 1'



FOR GROUPED STRUCTURES ONLY

DETAIL 3: DOUBLE CONNECTION
SCALE: 1-1/2" = 1'

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WASCO, CA 93280

PROJECT
WASCO UNION HIGH SCHOOL
AUDITORIUM

ENGINEERING

DESCRIPTION
Structural Details

S.S. 01-4

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DIV. OF THE STATE ARCHITECT
APP: 03-124404 INC:
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SS ☑ FLS ☑ ACS ☑
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PTN: 63859-17 FILE: 15-H7

WASCO HIGH SCHOOL
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STRUCTURAL DETAILS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1355.1
DRAWN: SHSI
CHECKED: PZSE
DATE: 10/8/24

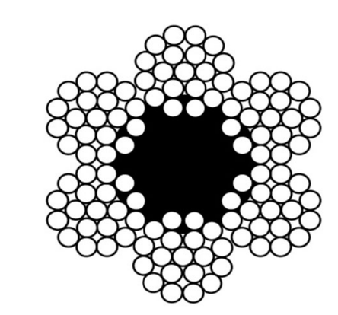
SS

01-4
8 OF 9 SHEETS

MANUFACTURER'S CUT SHEETS

6x19 Galvanized

WIRE ROPE



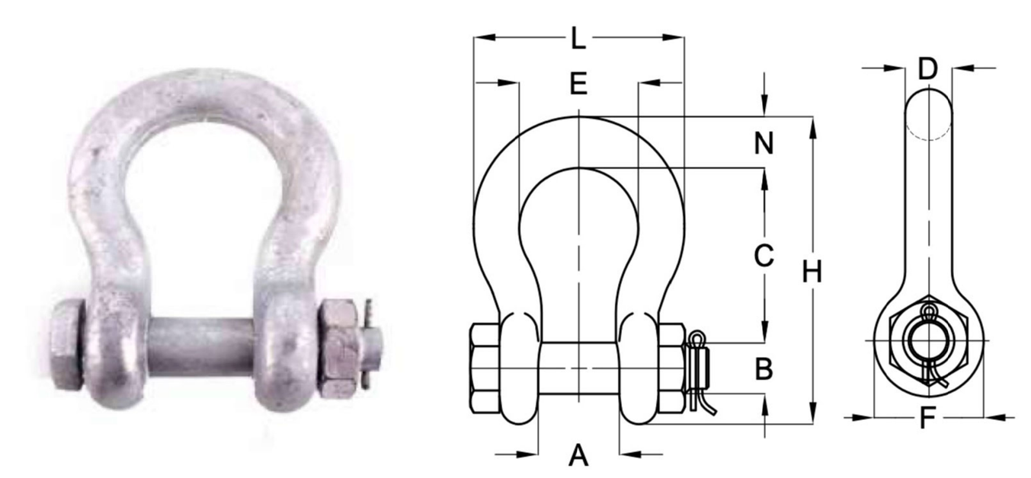
Galvanized 6x19 I.W.R.C.
Right Regular Lay, I.P.S. Grade
To Federal Specification RR-W-410

Diameter in	Weight Per Foot	Breaking Strength
inches	in LBS	in Tons
1/4	0.12	2.65
5/16	0.18	4.12
3/8	0.26	5.90
7/16	0.35	8.00
1/2	0.46	10.35
9/16	0.59	13.05
5/8	0.72	16.10
3/4	1.04	23.00
7/8	1.42	31.10
1	1.85	40.40
1-1/8	2.43	50.90
1-1/4	2.89	62.50

DETAIL 2: WIRE ROPE CUT SHEET
SCALE: NTS

Bolt Type Anchor Shackle

HARDWARE



Bolt Type Anchor Shackles
Drop Forged, Hot Dipped Galvanized
To the Federal Specification RR-C-271F Type IVA, Grade A, Class 3

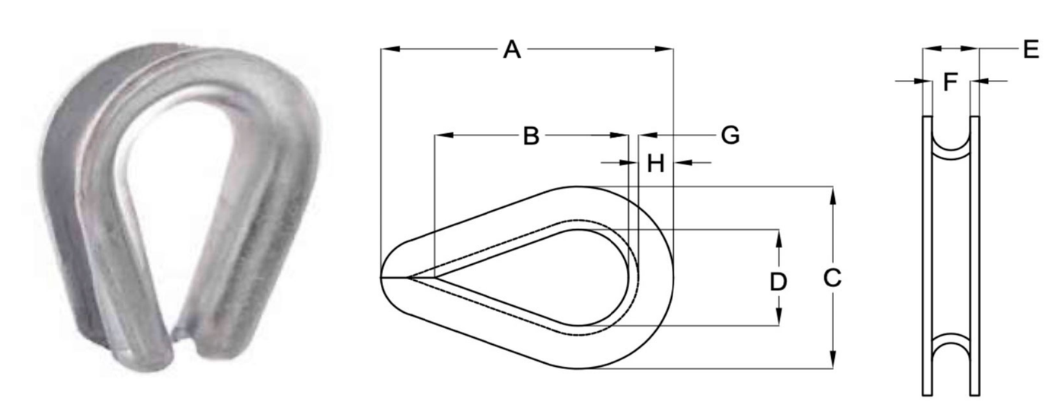
Nominal Shackle Size	Weight Per Piece in	Working Load Limit	Dimensions (in)									Part No.
			A	B	C	D	E	F	H	L	N	
in	lbs	tons										
5/16	0.22	3/4	0.53	0.38	1.22	0.31	0.84	0.75	2.09	1.47	0.31	HG516BTAS
3/8	0.33	1	0.66	0.44	1.44	0.38	1.03	0.91	2.49	1.78	0.38	HG38BTAS
1/2	0.79	2	0.81	0.64	1.88	0.50	1.31	1.19	3.28	2.31	0.50	HG12BTAS
5/8	1.68	3 1/4	1.06	0.77	2.38	0.63	1.69	1.50	4.19	2.94	0.69	HG58BTAS
3/4	2.72	4 3/4	1.25	0.89	2.81	0.75	2.00	1.81	4.97	3.50	0.81	HG34BTAS
7/8	3.95	6 1/2	1.44	1.02	3.31	0.88	2.28	2.09	5.83	4.03	0.97	HG78BTAS
1	5.66	8 1/2	1.69	1.15	3.75	1.00	2.69	2.38	6.56	4.69	1.06	HG1BTAS
1 1/8	8.27	9 1/2	1.81	1.25	4.25	1.13	2.91	2.69	7.47	5.16	1.25	HG118BTAS
1 1/4	11.71	12	2.03	1.40	4.69	1.29	3.25	3.00	8.25	5.75	1.38	HG114BTAS
1 3/8	15.83	13 1/2	2.25	1.53	5.25	1.42	3.63	3.31	9.16	6.38	1.50	HG138BTAS
1 1/2	19	17	2.38	1.66	5.75	1.53	3.88	3.63	10.00	6.88	1.62	HG112BTAS
1 3/4	33.91	25	2.88	2.04	7.00	1.84	5.00	4.19	12.34	8.80	2.25	HG134BTAS
2	52.25	35	3.25	2.30	7.75	2.08	5.75	4.81	13.68	10.15	2.40	HG2BTAS
2 1/2	98.25	55	4.13	2.80	10.50	2.71	7.25	5.69	17.90	12.75	3.13	HG212BTAS
3	154	85	5.00	3.30	13.00	3.12	7.88	6.50	21.50	14.62	3.62	HG3BTAS

Hot dip galvanized forged steel.
Drop Forged, Carbon Steel, Heat Treated,
Quenched and tempered, with alloy pi
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT.

DETAIL 1: BOLT TYPE ANCHOR CUT SHEET
SCALE: NTS

Heavy Duty Thimbles

HARDWARE



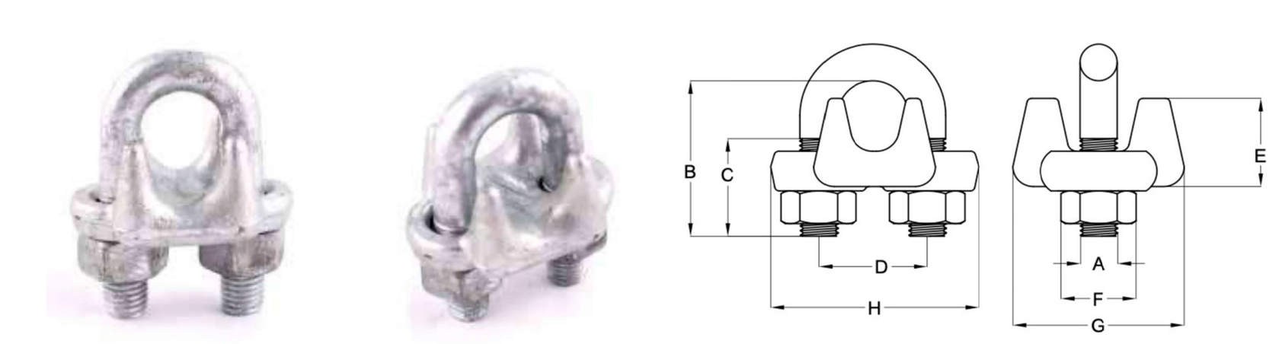
Heavy Duty Wire Rope Thimbles
Hot Dipped Galvanized
To Federal Specification FF-T-276 Type 3

Size	Weight Per Piece in	Dimensions (in)								Part No.
		A	B	C	D	E	F	G	H	
in	lbs									
1/4	0.07	2.19	1.62	1.50	0.88	0.41	0.28	0.06	0.25	HDT14
5/16	0.12	2.50	1.88	1.81	1.06	50.00	0.34	0.08	0.30	HDT516
3/8	0.22	2.88	2.12	2.12	1.12	0.63	0.41	0.11	0.39	HDT38
7/16	0.35	3.25	2.38	2.38	1.25	0.72	0.47	0.12	0.45	HDT716
1/2	0.51	3.54	2.60	2.63	1.46	0.84	0.53	0.15	0.48	HDT12
9/16	0.51	3.54	2.60	2.63	1.46	0.89	0.59	0.15	0.48	HDT916
5/8	0.76	4.25	3.25	3.12	1.75	1.00	0.66	0.16	0.53	HDT58
3/4	1.58	5.00	3.75	3.81	2.00	1.22	0.78	0.22	0.69	HDT34
7/8	1.78	5.50	4.25	4.25	2.25	1.38	0.94	0.22	0.78	HDT78
1	3.14	6.12	4.50	4.75	2.50	1.56	1.06	0.25	0.88	HDT1
1-1/8-1-1/4	4.00	7.00	5.12	5.88	2.88	1.88	1.31	0.25	1.25	HDT118
1-1/4-1-3/8	8.86	9.08	6.50	6.81	3.50	2.25	1.44	0.37	1.29	HDT114
1-3/8-1-1/2	12.95	9.00	6.25	7.12	3.50	2.62	1.56	0.50	1.31	HDT138
1 5/8	17.00	11.25	8.00	8.12	4.00	3.00	1.72	0.50	1.38	HDT158
1 3/4	17.75	12.19	9.00	8.50	4.50	3.06	1.84	0.50	1.50	HDT134
1-7/8 - 2	27.75	15.12	12.00	10.38	6.00	3.38	2.09	0.50	1.69	HDT178
2-1/4	39.50	17.50	14.00	11.88	7.00	3.88	2.38	0.62	1.82	HDT214
2-1/2	63.50	22.25	17.50	12.75	8.00	4.38	2.65	0.62	2.50	HDT212

DETAIL 4: THIMBLE CUT SHEET
SCALE: NTS

Drop Forged Wire Rope Clips

HARDWARE



Drop Forged Wire Rope Clips
Hot Dipped Galvanized
To Federal Specification FF-C-450, Type 1, Class 1

Rope Size	Weight Per Piece in	Dimensions (in)								Part No.
		A	B	C	D	E	F	G	H	
in	lbs									
1/8	0.06	0.22	0.72	0.44	0.47	0.37	0.38	0.81	0.99	DFC18
3/16	0.10	0.25	0.97	0.56	0.59	0.50	0.44	0.94	1.18	DFC316
1/4	0.19	0.31	1.03	0.50	0.75	0.66	0.56	1.19	1.43	DFC14
5/16	0.28	0.38	1.38	0.75	0.88	0.73	0.69	1.31	1.66	DFC516
3/8	0.48	0.44	1.50	0.75	1.00	0.91	0.75	1.63	1.94	DFC38
7/16	0.78	0.50	1.88	1.00	1.19	1.13	0.88	1.91	2.28	DFC716
1/2	0.80	0.50	1.88	1.00	1.19	1.13	0.88	1.91	2.28	DFC12
9/16	1.09	0.56	2.25	1.25	1.31	1.34	0.94	2.06	2.50	DFC916
5/8	1.10	0.56	2.25	1.25	1.31	1.34	0.94	2.06	2.50	DFC58
3/4	1.42	0.62	2.75	1.44	1.50	1.39	1.06	2.25	2.84	DFC34
7/8	2.12	0.75	3.12	1.62	1.75	1.58	1.25	2.44	3.16	DFC78
1	2.52	0.75	3.50	1.81	1.88	1.77	1.25	2.63	3.47	DFC1
1-1/8	2.83	0.75	3.88	2.00	2.00	1.91	1.25	2.81	3.59	DFC118
1-1/4	4.38	0.88	4.44	2.22	2.31	2.17	1.44	3.13	4.13	DFC114
1-3/8	4.42	0.88	4.44	2.22	2.38	2.31	1.44	3.13	4.19	DFC138
1-1/2	5.44	0.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44	DFC112
1-5/8	7.04	1.00	5.31	2.62	2.75	2.66	1.63	3.63	4.75	DFC158
1-3/4	9.34	1.13	5.75	2.75	3.06	2.92	1.81	3.81	5.24	DFC134
2	13.00	1.25	6.44	3.00	3.38	3.28	2.00	4.44	5.88	DFC2
2-1/4	16.00	1.25	7.13	3.19	3.88	3.19	2.00	4.56	6.38	DFC214
2-1/2	19.00	1.25	7.69	3.44	4.13	3.69	2.00	4.69	6.63	DFC212

DETAIL 3: WIRE ROPE CLIPS CUT SHEET
SCALE: NTS

Notes: Table 4-1. Life-cycle Factor for Seams or Joints

Seam or Joint	Value
Heat-sealed or welded seams	Same as for base fabric
Adhesive seams	50% of value for base fabric
Sewn seams-unprotected	60% of value for base fabric
Sewn seams-protected from weather or sunlight	90% of value for base fabric
Mechanical joints or membrane components	Same as base fabric

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WASCO, CA 93280

PROJECT
WASCO UNION HIGH SCHOOL AUDITORIUM

ENGINEERING

DESCRIPTION
Manufacturer's Cut Sheets

S.S. 01-5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124404 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/15/2024

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CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

MANUFACTURER'S CUT SHEETS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1355.1
DRAWN : SHSI
CHECKED : PZSE
DATE : 10/8/24