

Plot Date: 10/18/2022 10:31:37 AM

ABBREVIATIONS

ABBREVIATIONS: WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE INDICATED BY OTHER STRUCTURAL DRAWINGS OR CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND ELECTRICAL MAY CONTAIN SPECIFIC ABBREVIATIONS, REFERENCES, AND LEGENDS WITH INTERPRETATION INTERFERED ONLY FOR THOSE DISCIPLINES.

ABV	ABOVE	FA	FIRE ALARM	OC	OCCUPANT LOAD
AC	AIR-CONDITIONING	F.B.	FLAT BAR	O.C.	ON CENTER
ACST	ASPHALT CONCRETE	F.B.O.	FURNISHED BY	OF	OUTSIDE DIAMETER
AD	ADJUSTMENT	F.D.	FLOOR DRAIN	OFF	OFFICE
A.C.T.	ACROUSTIC CEILING TILE	F.D.C.	FIRE DEPARTMENT CONNECTION	OFI	OWNER FURNISHED, CONTR. INSTALLER
A.B.	ANCHOR BOLT	FDN.	FOUNDATION	OFI	OWNER FURNISHED, CONTR. INSTALLER
ADG	AMERICAN WITH DISABILITIES ACT	F.E.	FIRE EXTINGUISHER	O.F.R.D.	OVER FLOW ROOF
ADA	ADA ACCESSIBLE	F.F.	FIRE EXTINGUISHER	O.H.	OPPOSITE HAND
ADD.	ADDITIONAL	F.F.	FACTORY FINISH	O.H.C.D.	OVER HEAD COILING DOOR
ADJ.	ADJUSTABLE	F.G.	FINISH GRADE	O.H.	OVER HEAD
ADJ.	ADJUSTMENT	F.H.	FIRE HYDRANT	O.H.M.S.	OVER HEAD MACH. SCREW
A.F.F.	ABOVE FINISH FLOOR	F.H.S.	FLAT HEAD	O.H.W.S.	OVER HEAD WOOD SCREW
A.F.C.	ABOVE FINISH GRADE	F.H.S.	FLAT HEAD	O.H.W.S.	OVER HEAD WOOD SCREW
AGG.	AGGREGATE	F.H.S.	FLAT HEAD WOOD SCREW	OPNG.	OPENING
ALT.	ALTERNATE	FIN.	FINISH	OPNG.	OPENING
ALUM.	ALUMINUM	FIN.	FINISH	OPNG.	OPENING
ANOD.	ANODIZED	FIN.	FINISH	OPNG.	OPENING
A.P.C.	ACOUSTIC PANEL CEILING	FIN.	FINISH	OPNG.	OPENING
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BD.	BOARD	FIN.	FINISH	OPNG.	OPENING
BE.	BELOW	FIN.	FINISH	OPNG.	OPENING
BL.	BOUNDARY EDGE NAILING	FIN.	FINISH	OPNG.	OPENING
BLDG.	BUILDING	FIN.	FINISH	OPNG.	OPENING
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CF.	CERAMIC	FIN.	FINISH	OPNG.	OPENING
CF.	CERAMIC	FIN.	FINISH	OPNG.	OPENING
C.I.	CAST IRON	FIN.	FINISH	OPNG.	OPENING
C.I.	CONSTRUCTION JOINT	FIN.	FINISH	OPNG.	OPENING
C.L.	CENTERLINE	FIN.	FINISH	OPNG.	OPENING
C.L.F.	CHARLINK FENCE	FIN.	FINISH	OPNG.	OPENING
CLO.	CLOSET	FIN.	FINISH	OPNG.	OPENING
C.L.M.	CLASS ROOM	FIN.	FINISH	OPNG.	OPENING
C.M.	CONCRETE MASONRY UNIT	FIN.	FINISH	OPNG.	OPENING
CTR.	COUNTER	FIN.	FINISH	OPNG.	OPENING
COL.	COLUMN	FIN.	FINISH	OPNG.	OPENING
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COR.	COLD ROLLED CHANNEL	FIN.	FINISH	OPNG.	OPENING
CTR.	CENTER	FIN.	FINISH	OPNG.	OPENING
CTSK.	COUNTERSINK	FIN.	FINISH	OPNG.	OPENING
C.Y.	CUBIC YARD	FIN.	FINISH	OPNG.	OPENING
D.A.	DISABLED ACCESS	FIN.	FINISH	OPNG.	OPENING
DBL.	DOUBLE	FIN.	FINISH	OPNG.	OPENING
DEMO.	DEMOLISH	FIN.	FINISH	OPNG.	OPENING
D.F.	DRAINAGE	FIN.	FINISH	OPNG.	OPENING
DET.	DETAIL	FIN.	FINISH	OPNG.	OPENING
DIAG.	DIAGONAL	FIN.	FINISH	OPNG.	OPENING
DIAM.	DIAMETER	FIN.	FINISH	OPNG.	OPENING
DM.	DIMENSION	FIN.	FINISH	OPNG.	OPENING
DSP.	DISPENSER	FIN.	FINISH	OPNG.	OPENING
DN.	DOWN	FIN.	FINISH	OPNG.	OPENING
DR.	DEEP	FIN.	FINISH	OPNG.	OPENING
DS.	DOWN	FIN.	FINISH	OPNG.	OPENING
DWG.	DRAWING	FIN.	FINISH	OPNG.	OPENING
DWR.	DRAWER	FIN.	FINISH	OPNG.	OPENING
E.	EAST	FIN.	FINISH	OPNG.	OPENING
EA.	EACH	FIN.	FINISH	OPNG.	OPENING
EGR.	ENGINEER	FIN.	FINISH	OPNG.	OPENING
E.J.	EXPANSION JOINT	FIN.	FINISH	OPNG.	OPENING
EL.	ELEVATION	FIN.	FINISH	OPNG.	OPENING
ELC.	ELECTRICAL	FIN.	FINISH	OPNG.	OPENING
ELV.	ELEVATOR	FIN.	FINISH	OPNG.	OPENING
EMER.	EMERGENCY	FIN.	FINISH	OPNG.	OPENING
ENCL.	ENCLOSURE	FIN.	FINISH	OPNG.	OPENING
EQ.	EQUAL	FIN.	FINISH	OPNG.	OPENING
EQUIP.	EQUIPMENT	FIN.	FINISH	OPNG.	OPENING
EXP.	EXPANSION	FIN.	FINISH	OPNG.	OPENING
EXT.	EXISTING	FIN.	FINISH	OPNG.	OPENING
EXP.	EXPANSION	FIN.	FINISH	OPNG.	OPENING
EXT.	EXTENSION	FIN.	FINISH	OPNG.	OPENING
W.	WEST	FIN.	FINISH	OPNG.	OPENING
W.	WITH	FIN.	FINISH	OPNG.	OPENING
W.C.	WATER CLOSET	FIN.	FINISH	OPNG.	OPENING
W.CH.	WHEEL CHAIR	FIN.	FINISH	OPNG.	OPENING
W.D.	WOOD	FIN.	FINISH	OPNG.	OPENING
W.D.W.	WOOD WINDOW	FIN.	FINISH	OPNG.	OPENING
W.F.	WIDE FLANGE	FIN.	FINISH	OPNG.	OPENING
W.H.	WATER HEATER	FIN.	FINISH	OPNG.	OPENING
WID.	WITHOUT	FIN.	FINISH	OPNG.	OPENING
W.P.	WATERPROOF	FIN.	FINISH	OPNG.	OPENING
W.S.	WOOD SCREW	FIN.	FINISH	OPNG.	OPENING
W.W.	WELDED WIRE FABRIC	FIN.	FINISH	OPNG.	OPENING
XPMR.	TRANSFORMER	FIN.	FINISH	OPNG.	OPENING

CODES AND ORGANIZATIONS

CBC CALIFORNIA BUILDING CODE  
CEC CALIFORNIA ELECTRICAL CODE  
CFC CALIFORNIA FIRE CODE  
CMC CALIFORNIA MECHANICAL CODE  
CPC CALIFORNIA PLUMBING CODE  
DSA DIVISION OF THE STATE ARCHITECT  
ICBO INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS  
NSF NATIONAL SANITATION FOUNDATION  
NFPA NATIONAL FIRE PROTECTION ASSOCIATION  
NEC NATIONAL ELECTRICAL CODE

TYPICAL SYMBOLS

SYMBOLS

ANGLE

DIAMETER OR ROUND

PERPENDICULAR

AND

CENTER LINE

POUND OR NUMBER

STATION LINE

DOOR SYMBOL

DOOR REFERENCE

WINDOW SYMBOL

WINDOW REFERENCE

KEYNOTE SYMBOL

KEYNOTE REFERENCE, REFER TO KEYNOTE LIST ON SHEET

WORK POINT, CONTROL POINT OR DATUM POINT

WALL SYMBOL

WALL REFERENCE

SECTION

LOCATION ON SHEET REFERENCED

SHEET NUMBER WHERE SECTION IS LOCATED

DETAIL

LOCATION ON SHEET REFERENCED

SHEET NUMBER WHERE DETAIL IS LOCATED

ROOM IDENTIFICATION

ROOM NAME

ROOM NUMBER

CEILING HEIGHT

PROJECT ADDRESS

115 E. MINNER AVE, BAKERSFIELD, CA 93308

PROJECT DESCRIPTION

THE PROJECT SHALL CONSIST OF THE FOLLOWING ITEMS HEREIN TO INCLUDE BUT NOT NECESSARILY LIMITED TO:

- (1) NEW (36'X40') PC APPROVED MODULAR CLASSROOM BLDG. 800 (PC #8 02-120100) PURCHASED BY THE OWNER UNDER A SEPARATE CONTRACT.
- SITE CONTRACTOR IS RESPONSIBLE FOR: COORDINATION WITH THE MODULAR MANUFACTURER, PREPARING PIT SET BUILDING PAD TO ACCEPT THE NEW BUILDINGS, SITE RECONFIGURATION, INCLUDING ACCESSIBILITY UPGRADES, REWORK OF THE EXISTING IRRIGATION SYSTEM, LANDSCAPE, PLANTING, CONCRETE SLURRY PAD BELOW BUILDING, UNDERGROUND UTILITIES, DRAINAGE AND ANY OTHER WORK AS INDICATED IN THE CONTRACT DOCUMENTS.
- FIRE ALARM AND ELECTRICAL IMPROVEMENTS FOR SITE AND MODULAR BUILDINGS AS INDICATED IN THE CONTRACT DOCUMENTS.

ENFORCING AGENCY

DIVISION OF THE STATE ARCHITECT / OFFICE OF REGULATION SERVICES (DSA / ORS), LOS ANGELES OFFICE AMERICAN WITH DISABILITIES ACT AND THE CALIFORNIA TITLE 24 ACCESSIBILITY GUIDELINES

FLOOD ZONE INFORMATION

FLOOD ZONE DESIGNATION: ZONE X  
AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE OF FLOOD.  
FLOOD INSURANCE RATE MAP (FIRM) PANEL DESIGNATION: 9502C01817E  
EFFECTIVE DATE OF (FIRM): SEPTEMBER 26, 2008  
BASE FLOOD ELEVATION (BFE): NOT REQUIRED  
APPLICABLE COMMUNITY ORDINANCE SECTION: NOT REQUIRED

PROJECT DESCRIPTION

DIVISION OF THE STATE ARCHITECT / OFFICE OF REGULATION SERVICES (DSA / ORS), LOS ANGELES OFFICE AMERICAN WITH DISABILITIES ACT AND THE CALIFORNIA TITLE 24 ACCESSIBILITY GUIDELINES

GENERAL NOTES

1. A COPY TITLE 24 C.C.R. PARTS 1 THROUGH 5 AND 9, CBC VOLUMES MUST BE KEPT ON SITE DURING CONSTRUCTION.

2. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) AS REQUIRED IN SECTION 4-338, PART 1, CAC, AND SHALL BE SUBMITTED TO, AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION NR A-6.

3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF TITLE 24 SECTION 4-335, PART 1, AND APPROVED T & SHEET.

4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-335, PART 1 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RETEST MAY BE BACK CHARGED TO THE CONTRACTOR.

5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE CONCRETE PER TITLE 24 SECTION 4-331, PART 1.

6. A CLASS 3 + RBP "DSA CERTIFIED" PROJECT INSPECTOR SHALL BE EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND DSA. THE PROJECT INSPECTOR SHALL PROVIDE CONTINUOUS SPECIAL INSPECTION OF THE WORK. INSPECTOR SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-342, PART 1, TITLE 24, CCR.

7. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-334, PART 1.

8. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM SSS-6) IN ACCORDANCE WITH TITLE 24 SECTION 4-338, PART 1.

9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-333(a) AND 4-341, PART 1.

10. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-343, PART 1.

11. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C) PART 1, TITLE 24, CCR)

12. DSA IS NOT SUBJECT TO ARBITRATION

13. SUBSTITUTIONS AND REQUESTS FOR INFORMATION AFFECTING STRUCTURAL SAFETY, FIRE AND LIFE SAFETY ACCESS COMPLIANCE SHALL BE APPROVED BY DSA PRIOR TO FABRICATION OR USE.

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

15. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.

16. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.

17. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:

- ARCHITECT OR ENGINEER OF RECORD
- STRUCTURAL ENGINEER (WHEN APPLICABLE)
- DELEGATED PROFESSIONAL ENGINEER

18. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.

19. PER CBC 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.

20. THESE PLANS AND SPECIFICATIONS WILL COMPLY WITH CFC CHAPTER 33-FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

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

22. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.

23. ALL WORK SHALL CONFORM TO 2019 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

24. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

25. THE SCOPE OF WORK - CLEARLY INDICATE THE SCOPE OF WORK ON THE COVER SHEET OR GENERAL NOTES SHEET OF THE DRAWINGS

26. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF CFC

WIND / SEISMIC DESIGN DATA

WIND DESIGN DATA [2019 CBC 1603A.1.4]

1. ULTIMATE DESIGN WIND SPEED  $V=94$  MPH

2. RISK CATEGORY II

EARTHQUAKE DESIGN DATA [2019 CBC 1603A.1.5]

1. RISK CATEGORY II

2. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS  $S_s = 0.890$   $S_1 = 0.322$

3. SITE CLASS D=(Default)

4. SITE AMPLIFICATION  $F_a = 1.2$

ARCHITECT'S STATEMENT

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

APPLICATION NO. 03-122652 FILE NO. 15-73

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-338, 4-341, AND 4-344" OF TITLE 24, PART 1.

I CERTIFY THAT:

☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET WITH \* IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

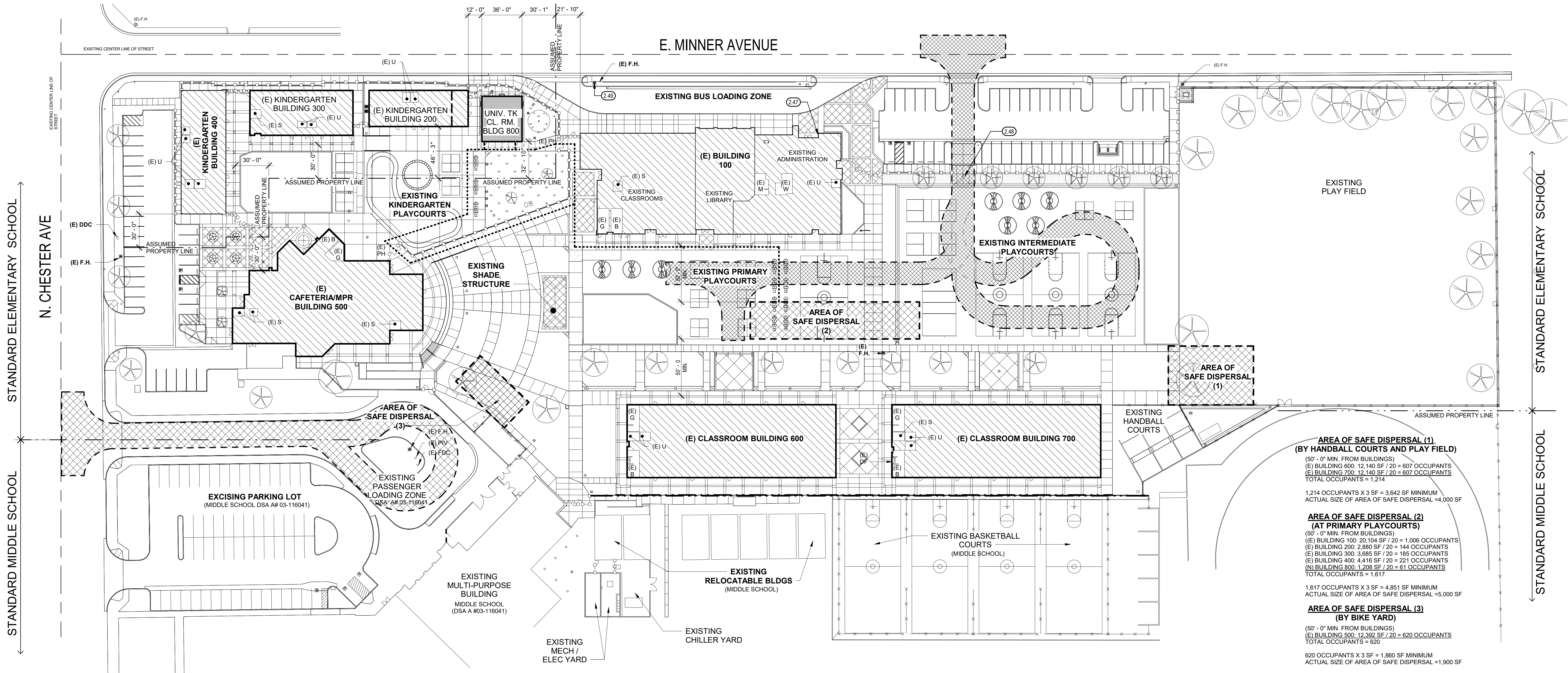
ARCHITECT'S SIGNATURE LUKE CASAVANT  
DATE 10-04-2022  
ARCHITECT TETER, LLP  
C-33984 06-30-2023  
LICENSE NUMBER EXPIRATION DATE

WORK BY OTHERS, NOT A PART OF THIS WORK.

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EQUIP.	EQUIPMENT	FIN.	FINISH	OPNG.	OPENING
EXP.	EXPANSION	FIN.	FINISH	OPNG.	OPENING
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W.	WITH	FIN.	FINISH	OPNG.	OPENING
W.C.	WATER CLOSET	FIN.	FINISH	OPNG.	OPENING
W.CH.	WHEEL CHAIR	FIN.	FINISH	OPNG.	OPENING
W.D.	WOOD	FIN.	FINISH	OPNG.	OPENING
W.D.W.	WOOD WINDOW	FIN.	FINISH	OPNG.	OPENING
W.F.	WIDE FLANGE	FIN.	FINISH	OPNG.	OPENING
W.H.	WATER HEATER	FIN.	FINISH	OPNG.	OPENING
WID.	WITHOUT	FIN.	FINISH	OPNG.	OPENING
W.P.	WATERPROOF	FIN.	FINISH	OPNG.	OPENING
W.S.	WOOD SCREW	FIN.	FINISH	OPNG.	OPENING
W.W.	WELDED WIRE FABRIC	FIN.	FINISH		



FIRE AUTHORITY SITE PLAN



1" = 40'-0" 3

KEYNOTES

- 2.47 EXISTING KNOX BOX AT ADMINISTRATION BUILDING A# 03-119797
- 2.48 EXISTING PAIR OF 10'-0" GATES WITH KNOX PADLOCK A# 03-119797
- 2.49 EXISTING TESTED FIRE HYDRANT

LEGEND

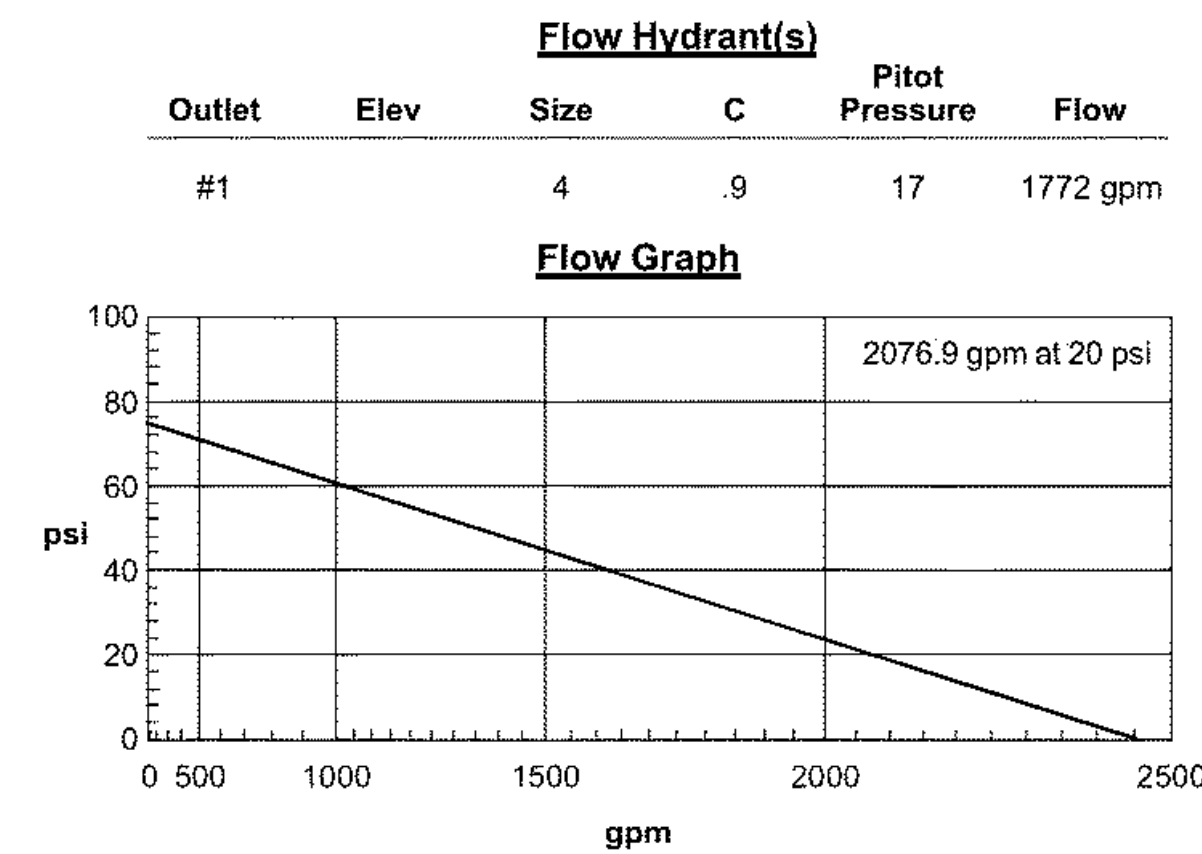
- EXISTING MIDDLE SCHOOL BUILDINGS**  
NO SCOPE OF WORK UNDER THIS PROJECT
- EXISTING BUILDINGS**  
NO SCOPE OF WORK UNDER THIS PROJECT WITH THE EXCEPTION OF MINOR ELECTRICAL WORK AT BUILDING 200. SEE ELECTRICAL
- NEW PROPOSED MODULAR BUILDING**  
MODULAR BUILDING UNDER THIS SCOPE OF WORK, SEE MFR DWGS.
- SITE INFORMATION:**
  - NEW TURF AREA
  - NEW CONCRETE PAVING
  - EXISTING FIRE HYDRANT (E) F.H.
  - EXIT DISCHARGE TO AREA OF REFUGE
  - ASSUMED PROPERTY LINE
  - EXISTING CENTER LINE OF STREET
  - EXISTING 20' - 0" WIDE FIRE LANE A# 03-119797
  - EXISTING DECORATIVE METAL FENCING, TYP.

Hydrant Flow Test Report

**Location**  
Standard Elementary School  
115 E Minner Ave.  
Bakersfield, CA 93308

**Tested by**  
Another In The Fire  
16022 San Marco Pl  
Bakersfield, CA 93314  
C-16 License #1078553  
NICET Cert. #149354  
David Holt & Robert Wroe

**Read Hydrant**  
75 psi static pressure  
34 psi residual pressure  
1-6 ft hydrant elevation



Created with the free hydrant flow test program from [www.ignisnec.com](http://www.ignisnec.com)



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

**PROJECT INFORMATION**

School District/Owner: Standard School District

Project Name/School: Universal TK Modular Building

Project Address: 115 Minner Ave. Bakersfield, CA 93308

**FIRE & LIFE SAFETY INFORMATION**

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: <a href="http://www.fire.ca.gov/FHSZ/">http://www.fire.ca.gov/FHSZ/</a>		Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)		WIFA <input type="checkbox"/>

DSA 810  
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	Not
4. Emergency vehicle access roadways do not meet CFC requirements.			<input checked="" type="checkbox"/>	
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			<input checked="" type="checkbox"/>	
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			<input checked="" type="checkbox"/>	
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/>			
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				<input checked="" type="checkbox"/>
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

**School District Acceptance of Acceptable Design Alternates**

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: DE. JOCKLYN HUBERT Title: SUPERINTENDENT

Signature: [Signature] Date: 10-18-2022

**LOCAL FIRE AUTHORITY (LFA) INFORMATION**

LFA Agency Name: Kern County Fire Department

LFA Review Official: Regina Arriaga

Title: Fire Plans Examiner

Work Phone: (661) 251-3310

Work Email: [Rarriaga@kerncountyfire.org](mailto:Rarriaga@kerncountyfire.org)

Digitally signed by Regina Arriaga Date: 2022.10.12 15:47:49 -0700 Date: 10/12/22

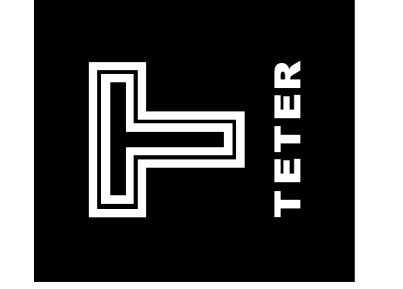
LFA Reviewer's Signature: Regina Arriaga

This LFA separately reviews its own jurisdiction's fire and life safety requirements and other applicable codes and standards. This document, the project, and the LFA's review are not to be used as a basis for any other project without the LFA's written authorization.

MARK	DATE	DESCRIPTION
B	10/4/2022	DSA OTC



**TETER, LLP**  
FRESNO HEADQUARTERS  
VISUAL BAKERSFIELD / MIDDLE SCHOOL  
ARCHITECTS ENGINEERS CONNECTED



UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308  
DRAWING TITLE  
FIRE AUTHORITY SITE PLAN

N. CHESTER AVE

EXISTING CENTER LINE OF STREET

E. MINNER AVENUE

(E) F.H.

ASSUMED PROPERTY LINE

EXISTING  
KINDERGARTEN  
BUILDING 400

EXISTING  
KINDERGARTEN  
BUILDING 300

(E) KINDERGARTEN  
BUILDING 200

UNIV. TK  
BLDG 800

(E) BUILDING  
100

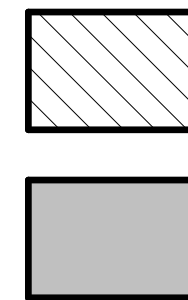
(E)  
CAFETERIA/MPR  
BUILDING 500



## BUILDING CODE ANALYSIS

1/16" = 1'-0" 3

### LEGEND



**EXISTING BUILDINGS**  
NO SCOPE OF WORK UNDER THIS PROJECT  
WITH THE EXCEPTION OF MINOR ELECTRICAL  
WORK AT BUILDING 200. SEE ELECTRICAL

**NEW PROPOSED MODULAR BUILDING**  
MODULAR BUILDING UNDER THIS  
SCOPE OF WORK. SEE MFR DWGS.

### SITE INFORMATION

--- . . . . . ASSUMED PROPERTY LINE

--- EXISTING CENTER LINE OF STREET

(E) F.H. EXISTING FIRE HYDRANT

### KINDERGARTEN BUILDING GROUP (E) 200, (E) 300, (E) 400 AND (N) 800 BLDG

- BUILDING CONSTRUCTION TYPE (NEW AND EXISTING): V-B (NON-RATED), NON - SPRINKLERED
- OCCUPANCY CLASSIFICATION (PER TABLE 506.2):
  - E: EDUCATION
- ALLOWABLE BUILDING HEIGHT AND NUMBER OF STORIES (PER TABLE 504.3 & 504.4): 40'-0", ONE STORY
- ACTUAL BUILDING HEIGHT AND NUMBER OF STORIES:
  - (E) BUILDING 200: 14'-0", ONE STORY
  - (E) BUILDING 300 & 400: 21'-10", ONE STORY
  - (N) BUILDING 800: 13'-10", ONE STORY
- ACTUAL BUILDING AREA:
  - (E) BUILDING 200: 2,880 SQ. FT. (BUILDING) + 630 SQ. FT. (OVERHANGS) = 3,510 SQ. FT.
  - (E) BUILDING 300: 3,695 SQ. FT. (BUILDING) + 1,324 SQ. FT. (OVERHANGS) = 5,009 SQ. FT.
  - (E) BUILDING 400: 4,416 SQ. FT. (BUILDING) + 1,527 SQ. FT. (OVERHANGS) = 5,943 SQ. FT.
  - (N) BUILDING 800: 1,440 SQ. FT. (BUILDING) + 413 SQ. FT. (OVERHANGS) = 1,853 SQ. FT.
- ALLOWABLE AREA FACTOR (NON-SPRINKLERED - SINGLE STORY PER TABLE 506.2): 9,500 SQ. FT.
  - FRONTAGE INCREASE (PER CBC 506.3.2):
    - EQUATION 5-5:  $H = (F / P - .025) \times (W / 30)$
    - $F = 742$  LINEAR FEET
    - $W = 30$  FEET (ALL SIDE YARDS ARE 30 FEET OR GREATER)
    - $P = 742$  LINEAR FEET
    - $H = (742 / 742 - 0.25) \times (30/30)$
    - $H = 0.75$
- ALLOWABLE AREA INCREASE (PER CBC 506):
  - EQUATION 5-1:  $A_2 \leq A_1 \times (NS \times H)$
  - $A_2 = 9,500 \times (0.500 \times 0.75) = 16,625$  SQ. FT.
  - BUILDING TOTALS: 3,510 + 5,009 + 5,943 + 1,853 = 16,315 SQ. FT.
  - 16,315 SQ. FT. TOTAL < 16,625 SQ. FT., THEREFORE OK.

UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308

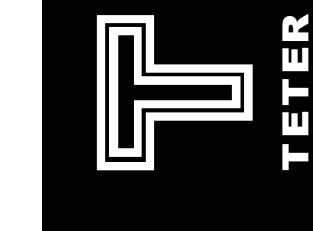
DRAWING TITLE  
BUILDING CODE ANALYSIS

PROJECT NO.

22-12390

DRAWING

G201



**TETER, LLP**

FRESNO HEADQUARTERS  
VISUALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECTED



MARK	DATE	DESCRIPTION
B	10/4/2022	DSA OTC

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

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plans. This document, the  
plans, and the information  
incorporated herein, as an  
instrument of professional  
services, is not to be used  
for any other project without  
prior written authorization.

STANDARD MIDDLE SCHOOL

N. CHESTER AVE

E. MINNER AVENUE

STANDARD ELEMENTARY SCHOOL

STANDARD MIDDLE SCHOOL



1" = 40'-0" 3

PARKING LOT A - A# 03-119797  
32 TOTAL PARKING STALLS  
02 REQ'D ACCESSIBLE PARKING STALLS (1 IN 6 ACCESSIBLE STALLS TO BE VAN ACCESSIBLE)  
02 ACTUAL NUMBER OF ACCESSIBLE STALLS PROVIDED (1 STANDARD, 1 VAN ACCESSIBLE)

PARKING LOT B - A# 03-119797  
32 TOTAL PARKING STALLS  
02 REQ'D ACCESSIBLE PARKING STALLS (1 IN 6 ACCESSIBLE STALLS TO BE VAN ACCESSIBLE)  
02 ACTUAL NUMBER OF ACCESSIBLE STALLS PROVIDED (1 STANDARD, 1 VAN ACCESSIBLE)

## OVERALL SITE PLAN

### KEYNOTES

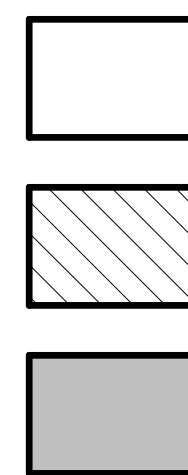
- 2.45 EXISTING ACCESSIBLE GATE WITH PANIC HARDWARE TO REMAIN PER A# 03-119797  
2.46 EXISTING TOW-AWAY SIGN TO REMAIN A# 03-119797  
2.47 EXISTING KNOX BOX AT ADMINISTRATION BUILDING A# 03-119797  
2.48 EXISTING PAIR OF 10'-0" GATES WITH KNOX PADLOCK A# 03-119797  
2.49 EXISTING TESTED FIRE HYDRANT

EXISTING BUILDING INFORMATION			
BUILDING	DSA APPLICATION #	CLOSED W/ CERT:	TYPE
100	03-119797	2022	1
200	03-116230 03-119797	2016 2022	1
300	03-119797	2022	1
400	03-119797	2022	1
500	55137 03-119797	1994 2022	1
600	03-119797	2022	1
700	03-119797	2022	1
SHADE STRUCTURE	PC# 04-116912 03-119797	2022	1
EXISTING PASSENGER LOADING ZONE	03-116041	2018	1

### GENERAL NOTES

- A. KEYNOTES APPLY TO THIS DRAWINGS ONLY.  
B. REFER TO CIVIL, LANDSCAPE, ELECTRICAL AND PRE MFR. MODULAR DRAWINGS FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

### LEGEND



**EXISTING MIDDLE SCHOOL BUILDINGS**  
NO SCOPE OF WORK UNDER THIS PROJECT

**EXISTING BUILDINGS**  
NO SCOPE OF WORK UNDER THIS PROJECT WITH THE EXCEPTION OF MINOR ELECTRICAL WORK AT BUILDING 200. SEE ELECTRICAL.

**NEW PROPOSED MODULAR BUILDING**  
MODULAR BUILDING UNDER THIS SCOPE OF WORK. SEE MFR DWGS.

### SITE INFORMATION

- (E) U EXISTING STUDENT UNISEX RESTROOM TO REMAIN  
(E) S EXISTING STAFF RESTROOM TO REMAIN  
(E) B EXISTING BOYS ACCESSIBLE RESTROOM  
(E) G EXISTING GIRLS ACCESSIBLE RESTROOM  
(E) U EXISTING STUDENT UNISEX ACCESSIBLE RESTROOM  
(E) S EXISTING STAFF ACCESSIBLE RESTROOM  
(E) DF EXISTING ACCESSIBLE HI / LOW DRINKING FOUNTAIN  
(N) GN (N) GENDER NEUTRAL STUDENT RESTROOM PER MODULAR MFR. DRAWINGS  
--- CHAIN LINK FENCING, TYP.  
--- EXISTING DECORATIVE METAL FENCING, TYP  
--- EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA A# 03-119797  
(E) F.H. EXISTING FIRE HYDRANT  
(E) DF EXISTING ACCESSIBLE HILOW DRINKING FOUNTAIN A# 03-119797

ACCESSIBLE ROUTE  
(2019 C.B.C. SECTION 11B - 206)

THE ACCESSIBLE ROUTE IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES. ACCESSIBLE ROUTES SHALL COMPLY WITH CBC 11B-402. IN GENERAL, EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH THE FOLLOWING: SHALL BE STABLE, FIRM, AND SLIP RESISTANT; HAVE A 1:20 MAXIMUM RUNNING SLOPE FOR WALKS; HAVE A 1:12 MAXIMUM SLOPE FOR RAMPS AND CURB RAMPS; HAVE A 1/4:12 MAXIMUM CROSS SLOPE; HAVE A 48" MINIMUM WIDTH; HAVE NO VERTICAL OFFSETS GREATER THAN 1/4"; OFFSETS BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1V:2H; HAVE NO OPENINGS ALLOWING THE PASSAGE OF A 1/2" DIAMETER SPHERE; ELONGATED OPENINGS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL, HAVE A MINIMUM 6" HIGH CURB OR GUARDRAIL AT EDGES WHERE THE DROP-OFF EXCEEDS 4" EXCEPT WHERE ADJACENT TO VEHICULAR WAYS; BE FREE OF ELEMENTS PROJECTING MORE THAN 4" FROM WALLS BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE; AND HAVE 80" MINIMUM VERTICAL CLEARANCE.

### DESIGN PROFESSIONAL IN CHARGE STATEMENT:

- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
- AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
- ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THESE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308  
DRAWING TITLE  
OVERALL SITE PLAN

PROJECT NO.

22-12390

DRAWING

A100

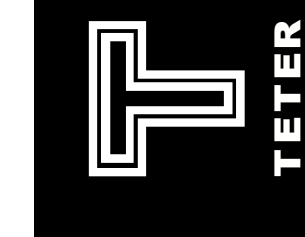
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

I, the undersigned, hereby certify that I am a duly licensed architect in the State of California, and that I am the author of the design and construction documents herein, or that I am a partner, associate, or employee of a firm of which I am a partner, associate, or employee, and that the design and construction documents herein are my work or the work of one or more of the architects, engineers, or draftsmen of the firm of which I am a partner, associate, or employee, and that I am not providing any other project without my written authorization.

MARK	DATE	DESCRIPTION
B	10/4/2022	DSA OTC

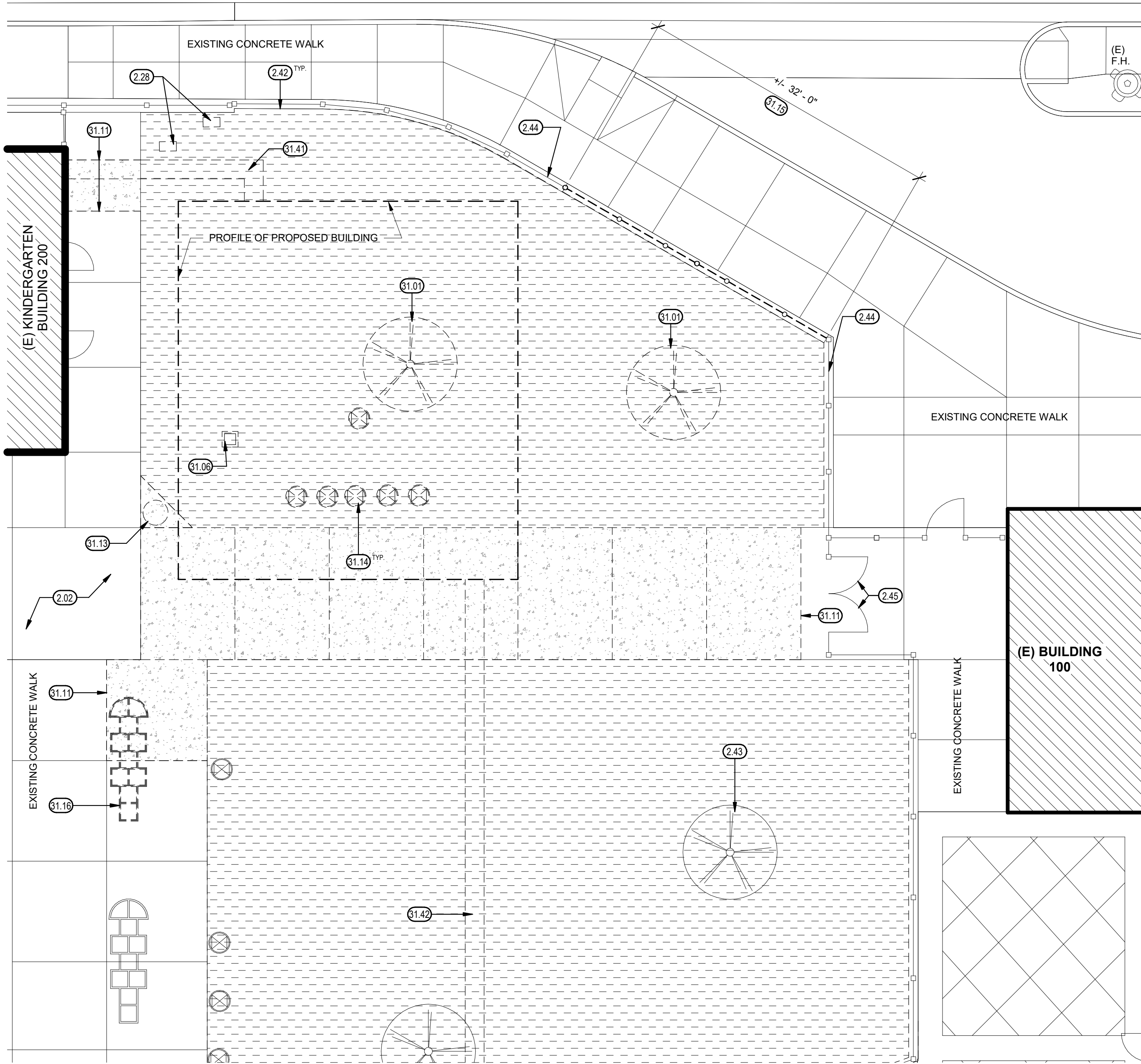


**TETER, LLP**  
FRESNO HEADQUARTERS  
VISUAL | BAKERSFIELD | MODOesto | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECTED



\\netr-file\Users\gabriel.ceja - TETR\Documents\12390-A-UNIVERSAL TK-2023\_gabriel.ceja.rvt

PLOT DATE: 10/17/2022 10:41:30 AM



DEMOLITION PARTIAL SITE PLAN

1/8" = 1'-0"

18 PROPOSED PARTIAL SITE PLAN

1/8" = 1'-0"

3

### GENERAL NOTES

- REFER TO CIVIL, LANDSCAPE, ELECTRICAL AND PRE MFR. MODULAR DRAWINGS FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.
- THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE AREA OF THE PROJECT SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED BY THE INSPECTOR TO BE DELETERIOUS. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- PROTECT EXISTING TURF, PLANT & TREES TO REMAIN. THE CONTRACTOR IS RESPONSIBLE TO REPLACE ANY EXISTING TURF, PLANT MATERIALS OR TREES THAT ARE TO REMAIN AND BE PROTECTED AND SHALL INCLUDE BUT NOT LIMITED TO: EXISTING TURF, PLANT MATERIAL OR TREES THAT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES, VEHICLE DAMAGE, AND STRESS DUE TO LACK OF WATER OR OTHER DETERIORATION. THE EXISTING AREAS TO REMAIN ARE TO BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION PRIOR TO THE PROJECT AT NO ADDITIONAL COST TO THE DISTRICT. THIS INCLUDES DAMAGE THAT MAY OCCUR AT ANY AREA OF THE CAMPUS DUE TO CONSTRUCTION RELATED ACTIVITIES ASSOCIATED WITH THIS CONTRACT.
- FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BUILDING FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.
- PROPERTY DIMENSIONS AS SHOWN ARE BASED ON RECORD INFO. & SHOULD BE FIELD VERIFIED BY A PROPERTY SURVEY PRIOR TO CONSTRUCTION.
- EXTERIOR CONCRETE LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN DOORWAY THRESHOLD WITH 1/4 INCH PER FOOT SLOPE MAX.
- WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC AND CFC, "FIRE SAFETY DURING CONSTRUCTIONS AND DEMOLITION"

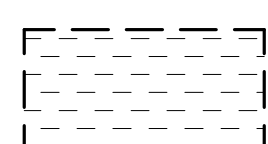
### LEGEND



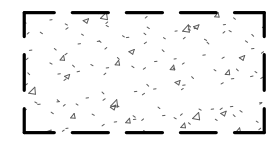
**EXISTING BUILDINGS**  
NO SCOPE OF WORK UNDER THIS PROJECT WITH THE EXCEPTION OF MINOR ELECTRICAL WORK AT BUILDING 200, SEE ELECTRICAL



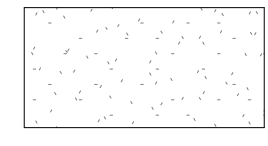
**NEW PROPOSED MODULAR BUILDING**  
MODULAR BUILDING UNDER THIS SCOPE OF WORK. SEE MFR DWGS.



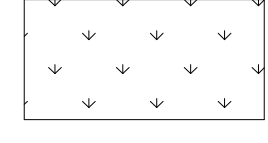
REMOVE EXISTING TURF AND IRRIGATION SYSTEM AS REQUIRED IN WORK AREA TO ACCOMMODATE NEW SITE IMPROVEMENTS, SEE LANDSCAPE



REMOVE EXISTING CONCRETE PAVING, SEE CIVIL DRAWINGS

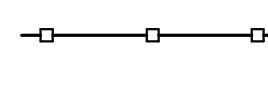


NEW CONCRETE PAVING, SEE CIVIL FOR GRADING CONSTRUCTION, ISOLATION, CONTRACTION JOINT, SEE DETAIL 1 / A105



TURF AREA, SEE LANDSCAPE DRAWINGS

### SITE INFORMATION



EXISTING DECORATIVE METAL FENCING, TYP

(N) GN

(N) GENDER NEUTRAL STUDENT RESTROOM PER MODULAR MFR. DRAWINGS

(G-X)

GATE, SEE GATE SCHEDULE 4 / A101

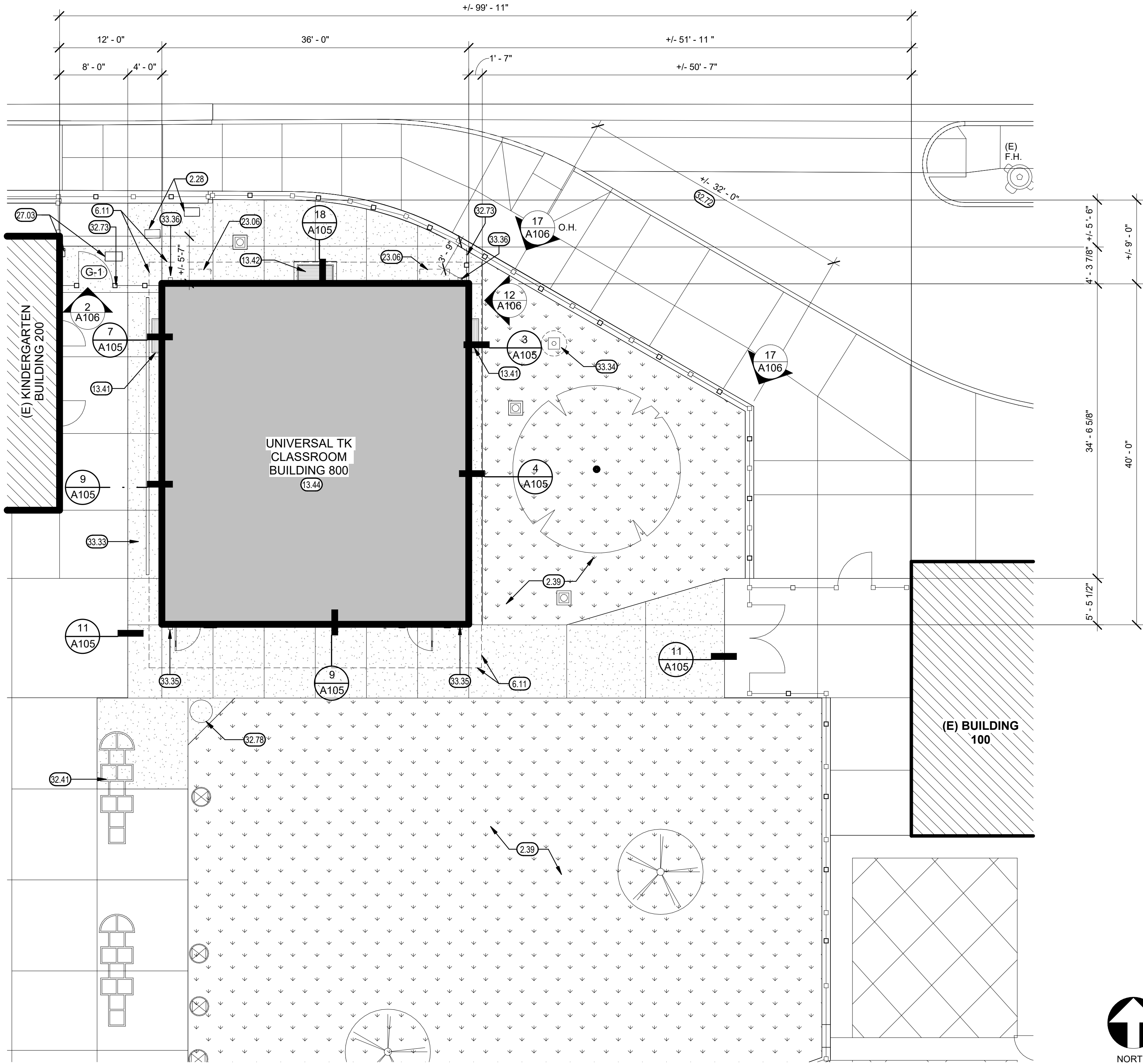
(E) F.H.



EXISTING FIRE HYDRANT

### KEYNOTES

- EXISTING CONCRETE PAVING / WALK
- EXISTING PULL BOX, ADJUST TO BE FLUSH WITH NEW CONCRETE WALK - TYP., SEE ELECTRICAL
- EXISTING LANDSCAPE AREA TO REMAIN, REPAIR TURF AREA AS REQUIRED DUE TO DAMAGE FROM SITE IMPROVEMENTS, SEE LANDSCAPE TYP.
- EXISTING CONC. MOWSTRIP TO REMAIN
- EXISTING TREE TO REMAIN
- EXISTING DECORATIVE METAL FENCING TO REMAIN
- EXISTING ACCESSIBLE GATE WITH PANIC HARDWARE TO REMAIN PER A# 03-119797
- LINE OF ROOF OVERHANG, TYP.
- BUILDING VENTILATION WITH GRATE, SEE MODULAR PRE-MANUFACTURER MODULAR DRAWINGS
- FOUNDATION ACCESS WITH GRATE, SEE MODULAR PRE-MANUFACTURER DRAWINGS
- FOR INTERIOR AND EXTERIOR SIGNAGE, SEE 10 / A107
- WALL MOUNTED HVAC, SEE MODULAR PRE-MANUFACTURER DRAWINGS
- PULL BOX, SEE ELECTRICAL
- REMOVE EXISTING TREE, SEE LANDSCAPE
- REMOVE EXISTING CATCH BASIN DRAIN, SEE CIVIL
- LINE OF SAWCUT (AT JOINT LINE WHERE POSSIBLE)
- REMOVE / SALVAGE EXISTING WASTE RECEPTACLE FOR REINSTALLATION
- REMOVE EXISTING IRRIGATION CONTROL VALVES AND SPRINKLERS AS REQUIRED, SEE LANDSCAPE
- REMOVE / SALVAGE EXISTING DECORATIVE FENCE FOR REINSTALLATION, SEE 22 A / A106
- REMOVE EXISTING STRIPING BY SAND BLASTING
- TRENCH FOR ELECTRICAL, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, SEE ELECTRICAL FOR UTILITIES AND DETAIL 15 / A105
- TRENCH FOR UNDERGROUND UTILITIES, PATCH/REPAIR SURFACE TO MATCH ADJACENT CONDITIONS, SEE CIVIL



MARK	CLEAR WIDTH	HEIGHT	MATERIAL	FINISH	HARDWARE GROUP	DETAIL	REMARKS
(G1)	4' - 0"	8'-0"	DECORATIVE MTL.	FF	01	9 / A106	MAINTENANCE SERVICE GATE

HW SET: 01

2 EA MORTISE DEADBOLT  
4 EA CORE ONLY  
2 EA WELDABLE STRIKE BOX  
4 EA DOOR PULL

19462T  
23-030  
K-BXMQR1-10G  
K-BXSTR  
8111-S TYPE H-L L MOUNT

626 SCH  
626 SCH  
KEE  
630 IVE

BALANCE OF HARDWARE BY GATE MANUFACTURER

ABBREVIATIONS FOR MANUFACTURERS:

SCH = SCHLAGE LOCK COMPANY  
IVE = IVES  
KEE = KEEDEX

LOCKS, LATCHES & CYLINDERS  
PROTECTION PLATES, & STOPS  
WELDABLE GATE BOXES

### GATE SCHEDULE AND HARDWARE

4

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC.  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

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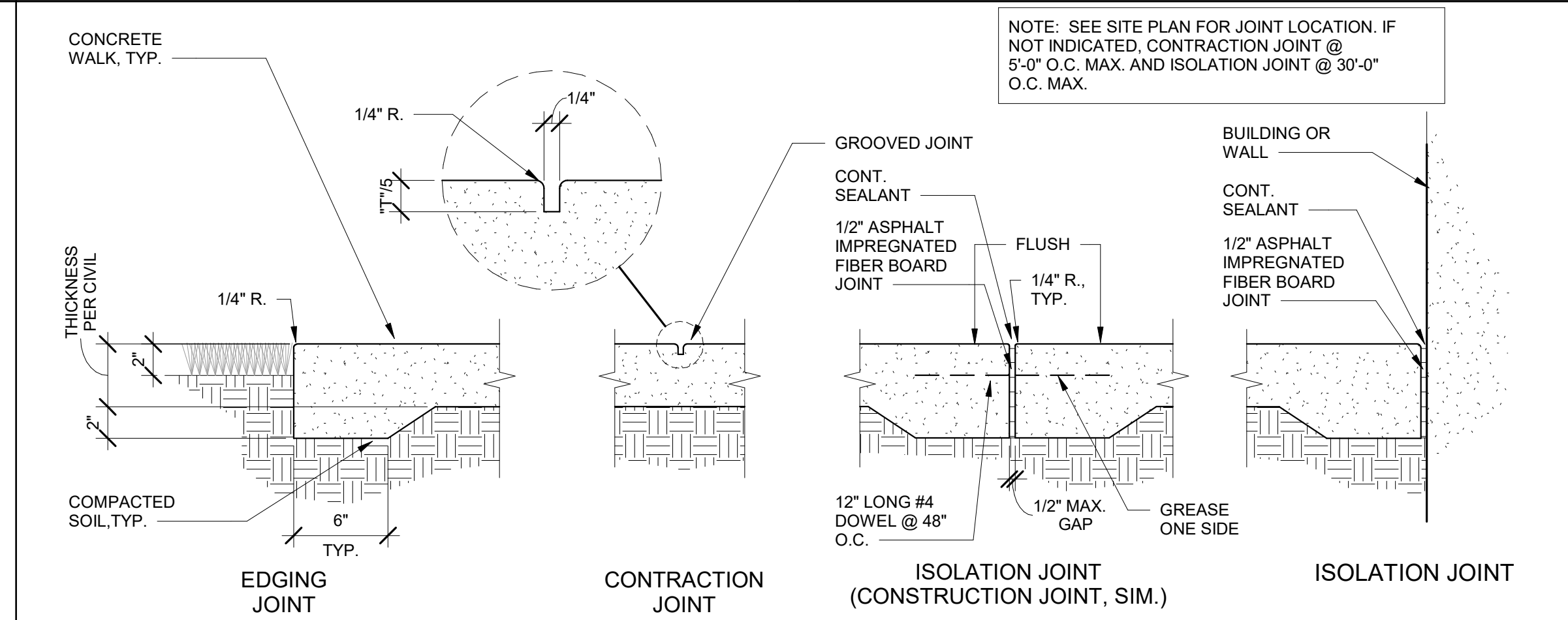
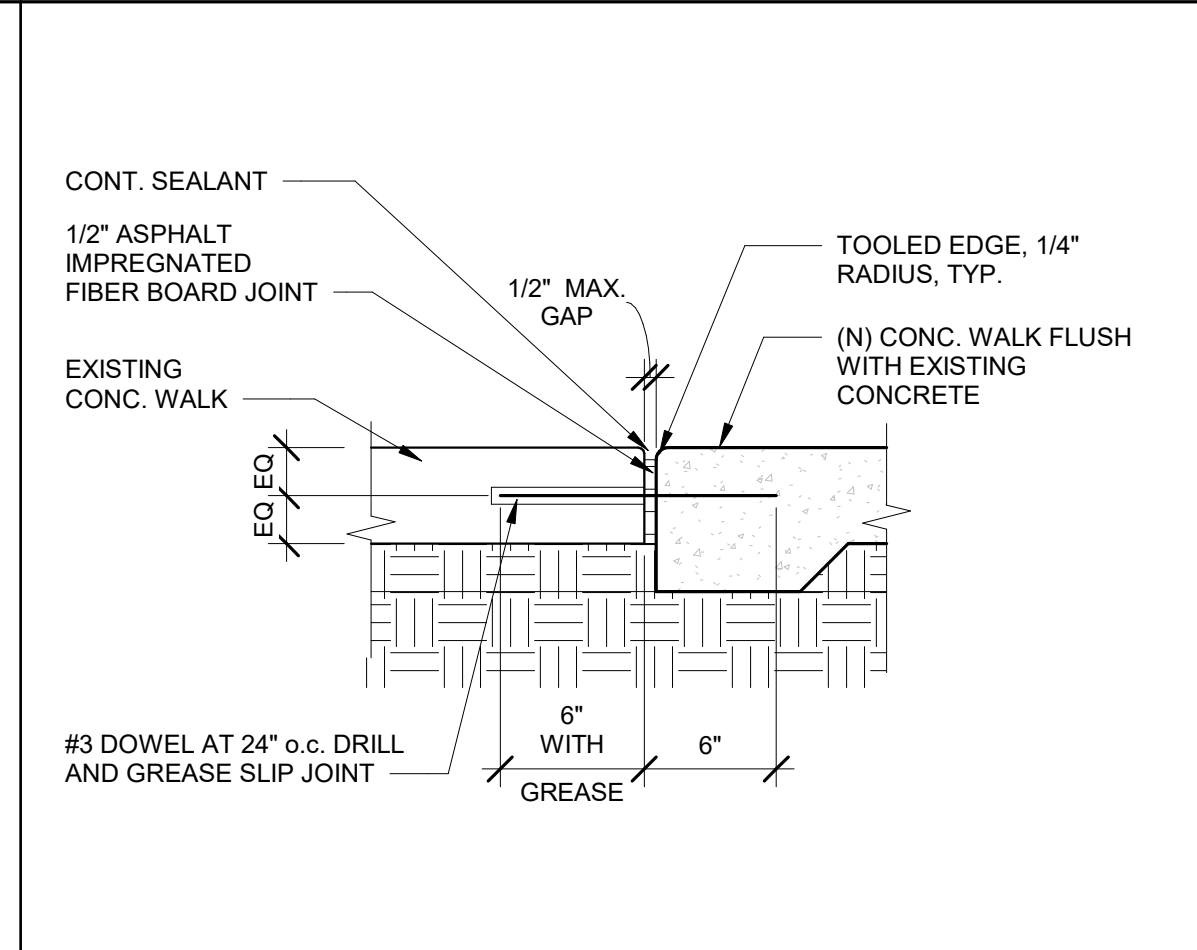
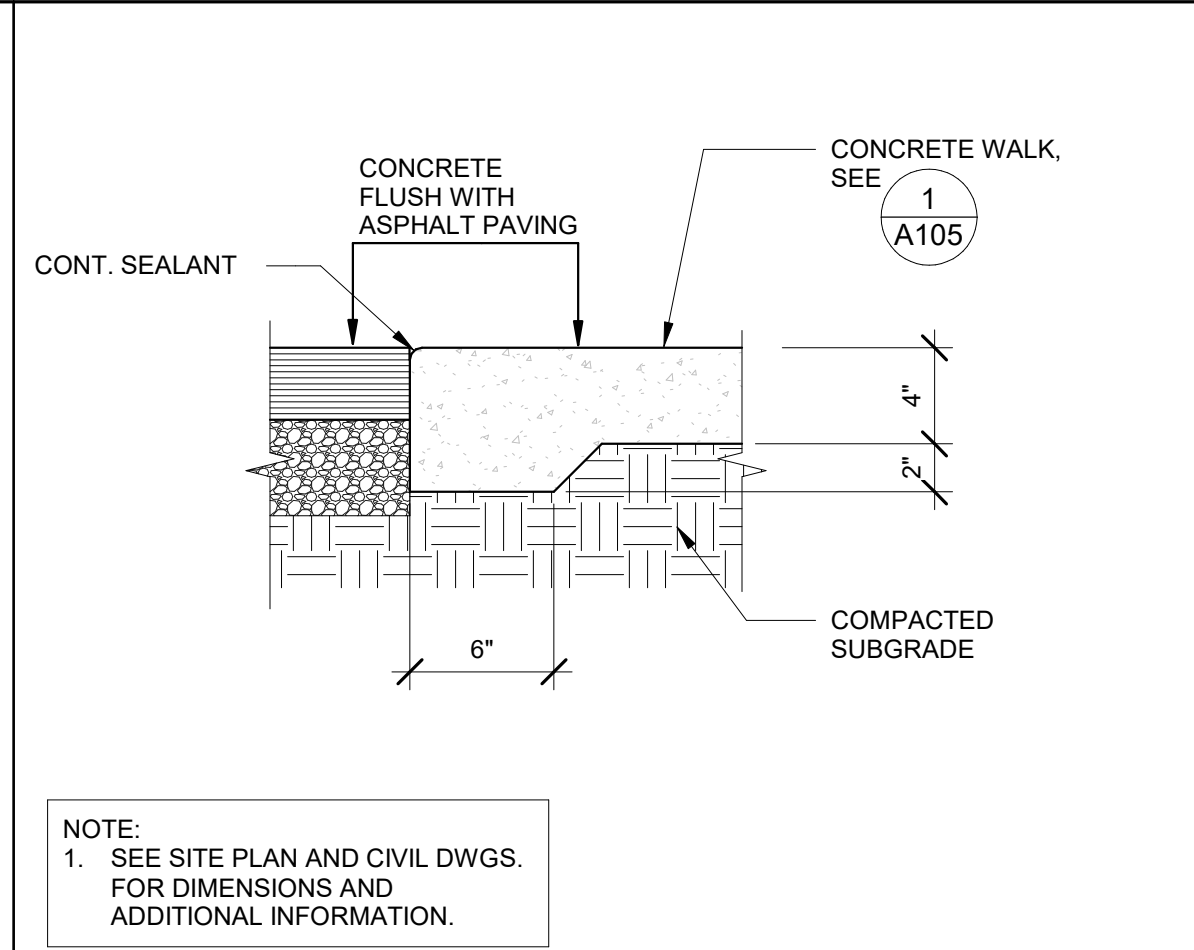
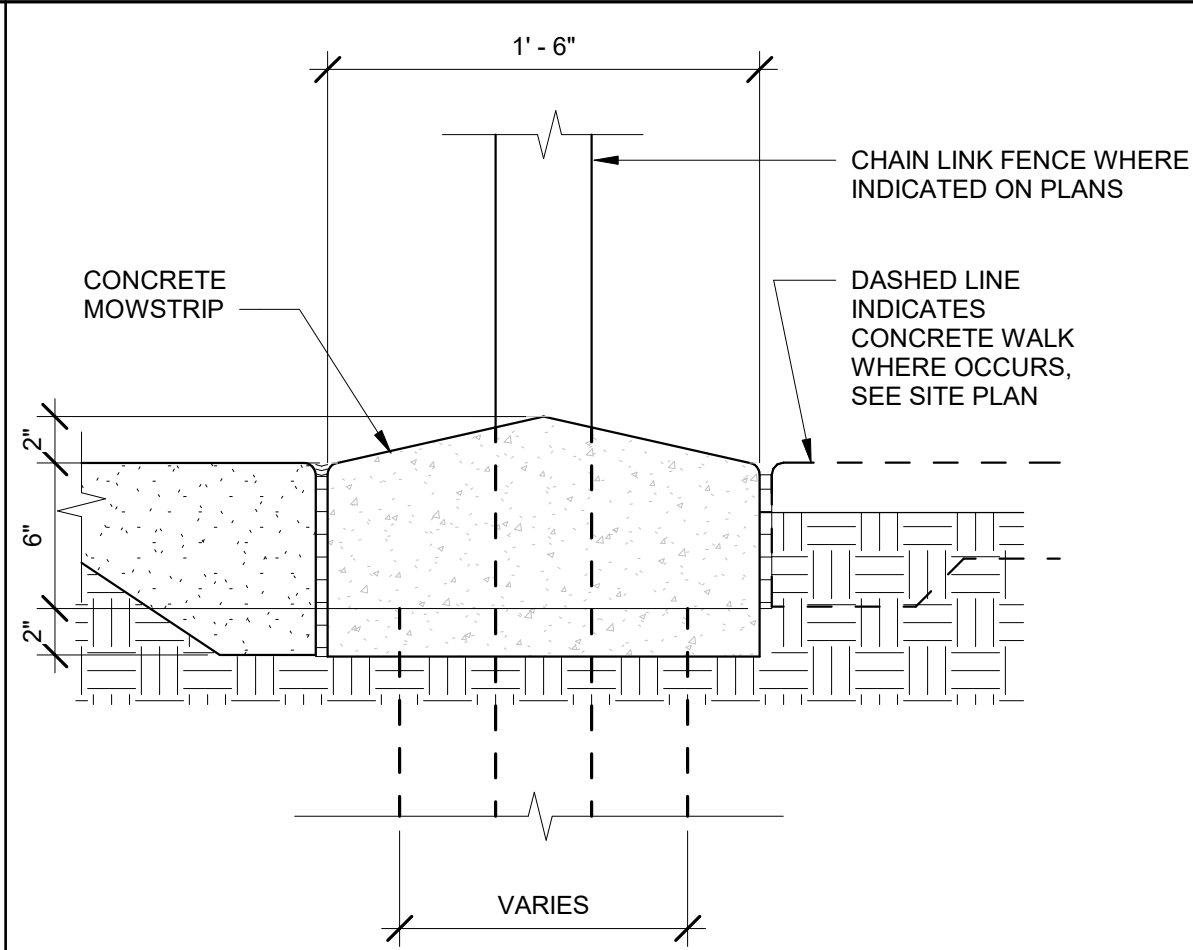


**TETER, LLP**  
FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MADERA | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECTED



UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308  
DRAWING TITLE  
DEMOLITION AND PROPOSED PARTIAL SITE PLAN

PROJECT NO.  
22-12390  
DRAWING  
**A101**



STEEL ADA COMPLIANT GRATING  
PER MFR. DRAWINGS

CONT. SEALANT

CONCRETE WALK,  
SEE CIVIL AND

1  
A105

FINISH GRADE  
SEE CIVIL

1/2" ASPHALT IMPREGNATED  
FIBER BOARD JOINT

PRE-MFR. MODULAR BUILDING

FINISH FLOOR  
SEE CIVIL

18" MIN.  
PER MODULAR  
PER-MANUFACTURER DWGS

2" THICK CONCRETE  
SLURRY, SEE CIVIL

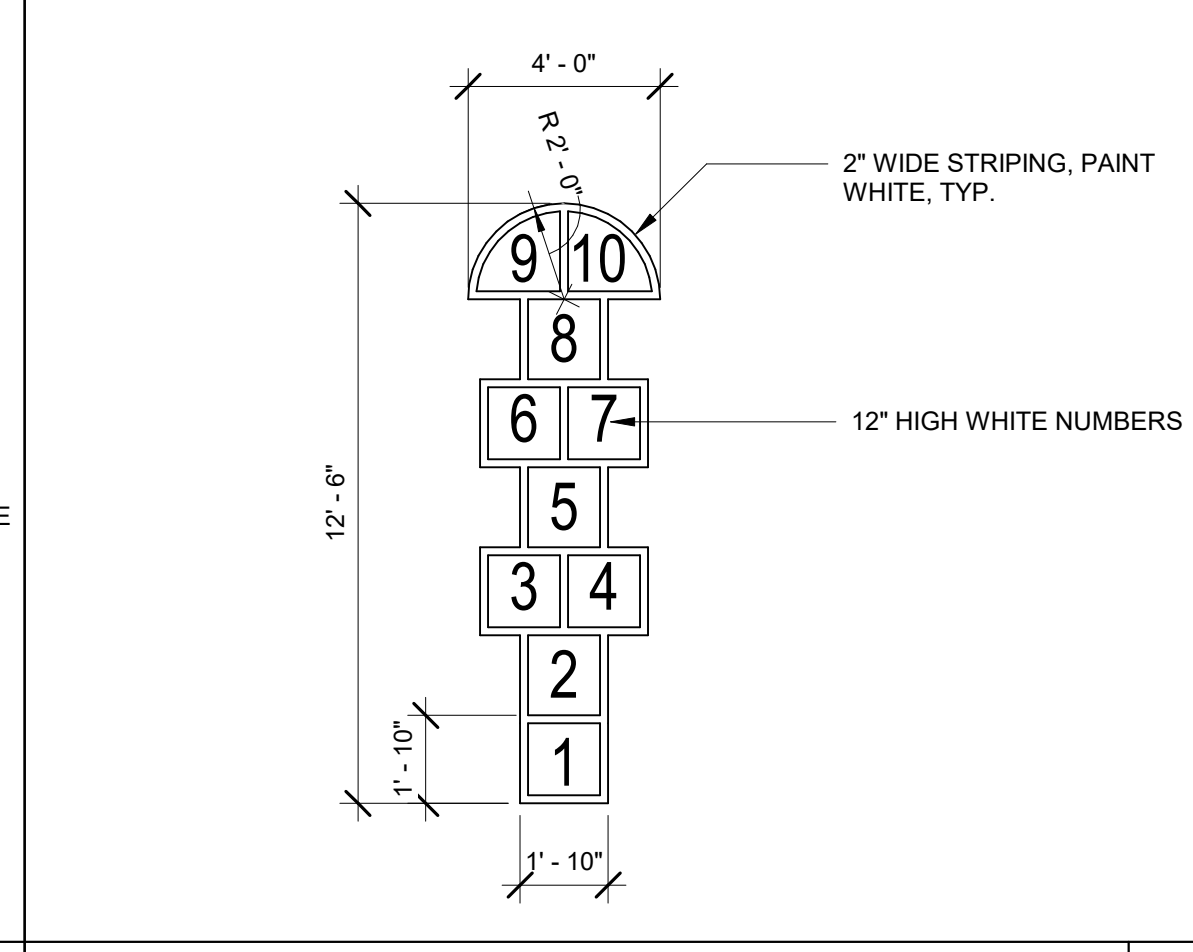
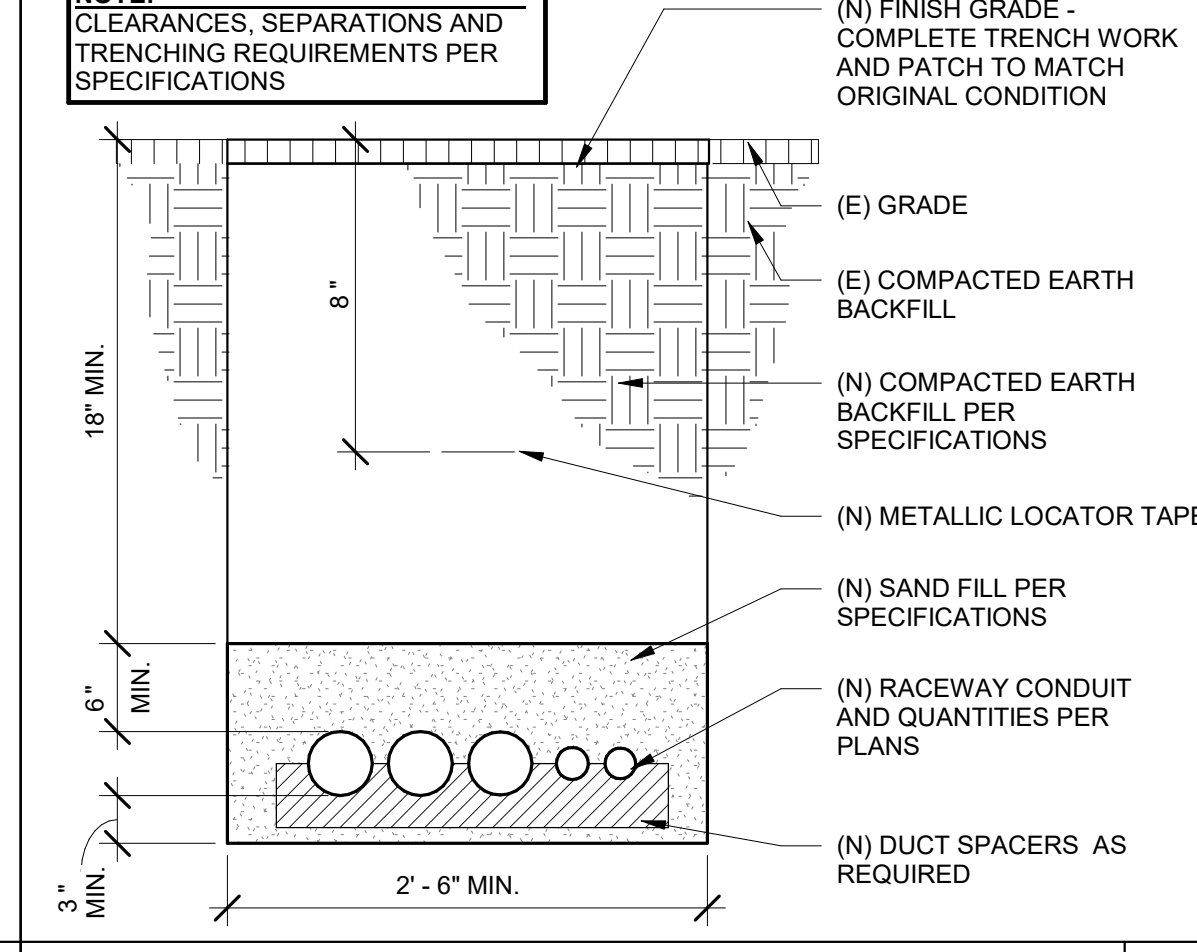
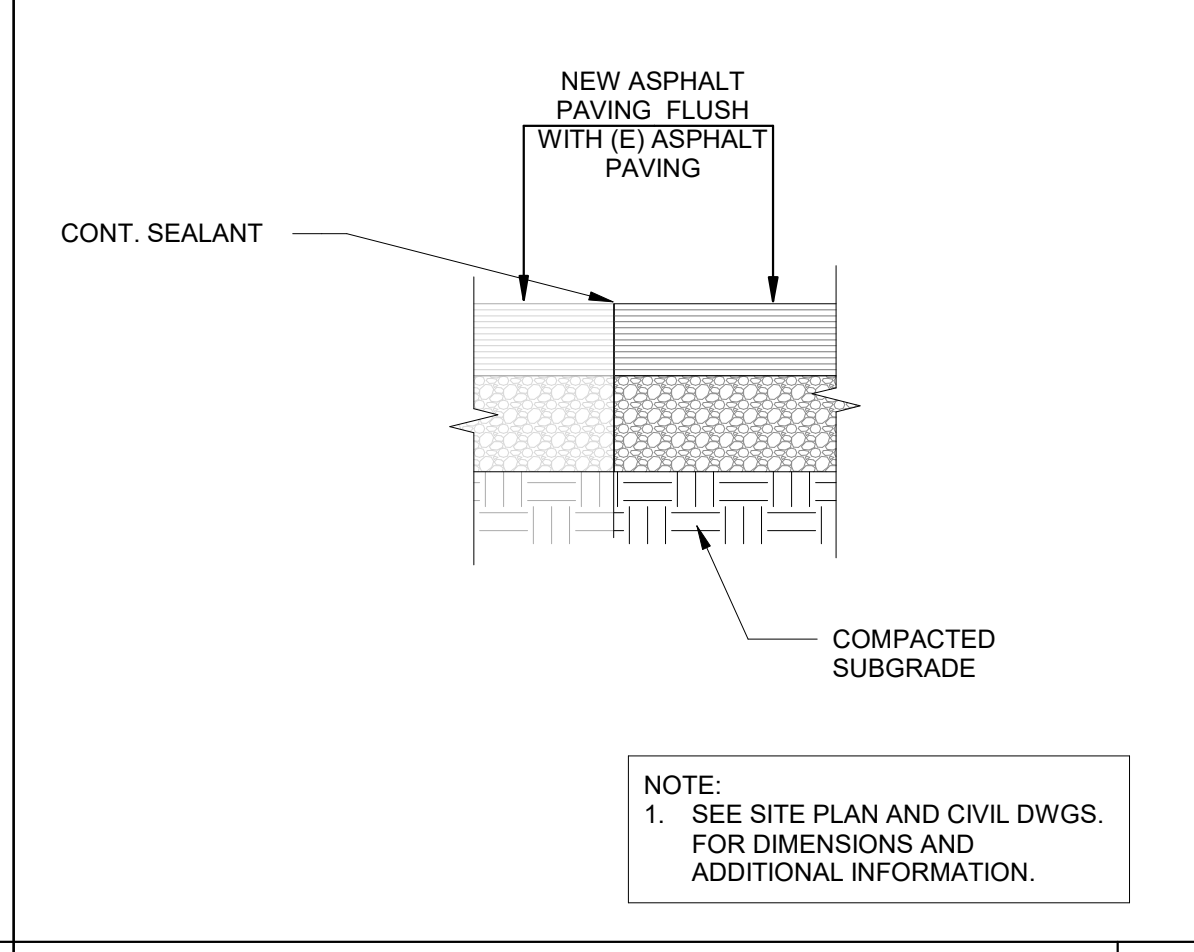
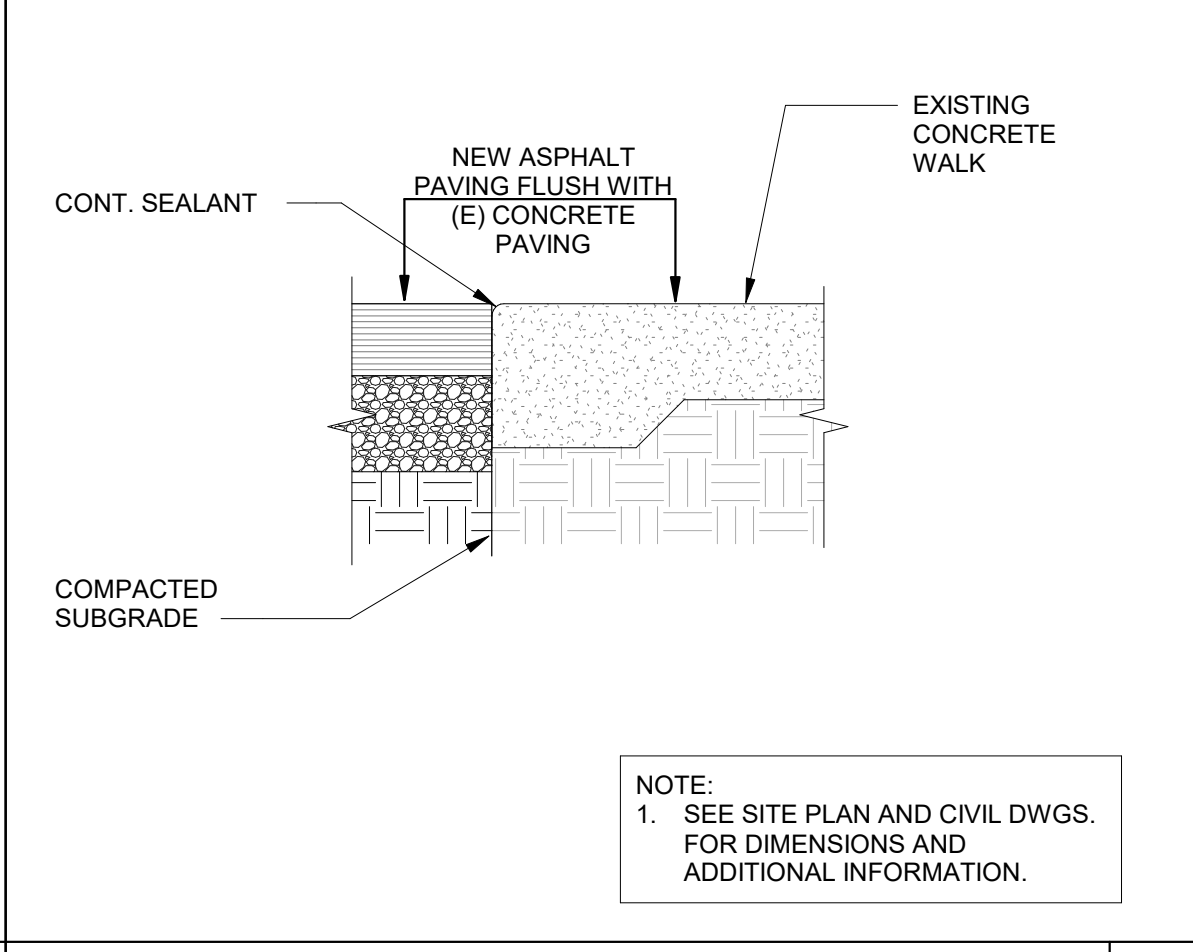
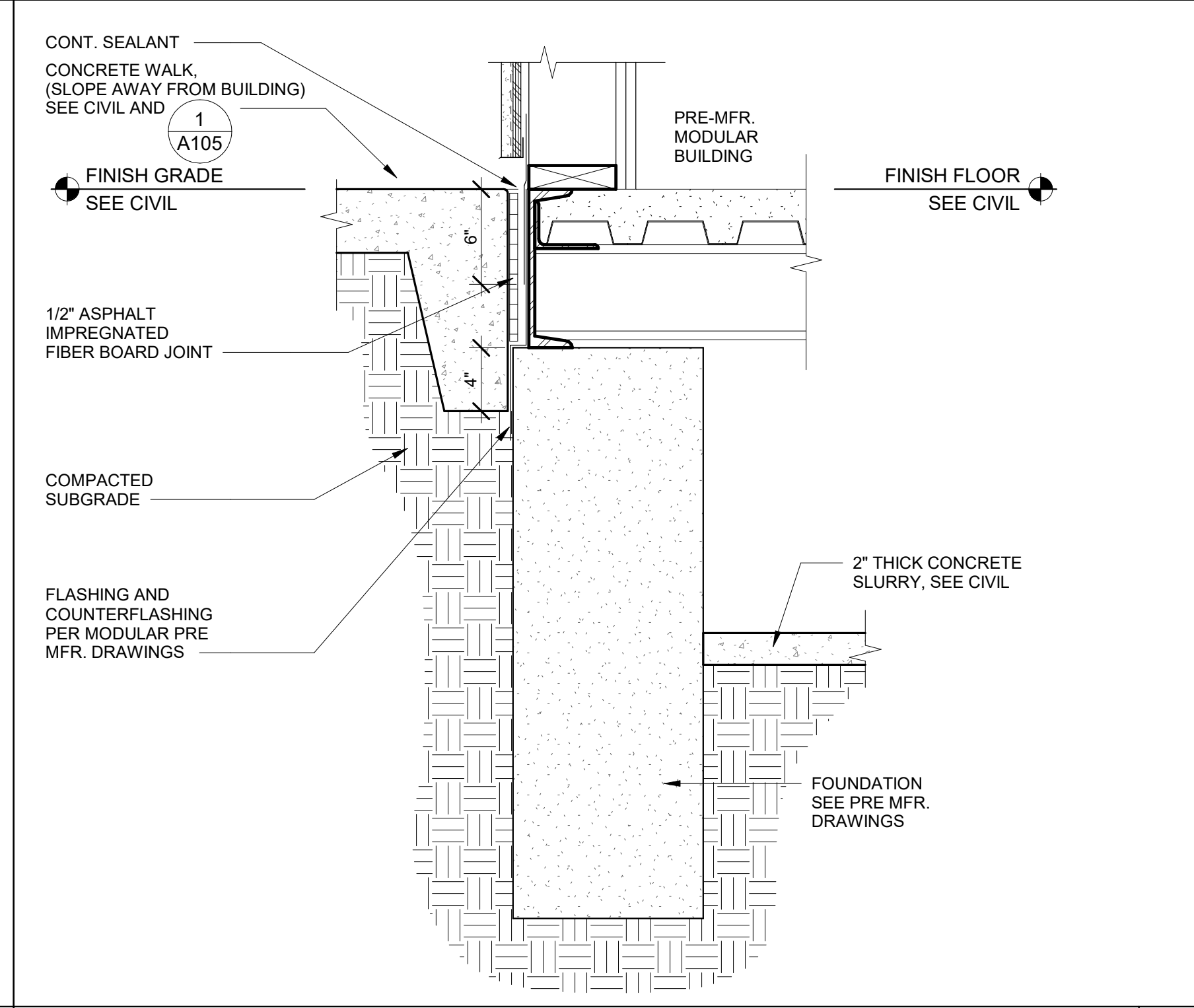
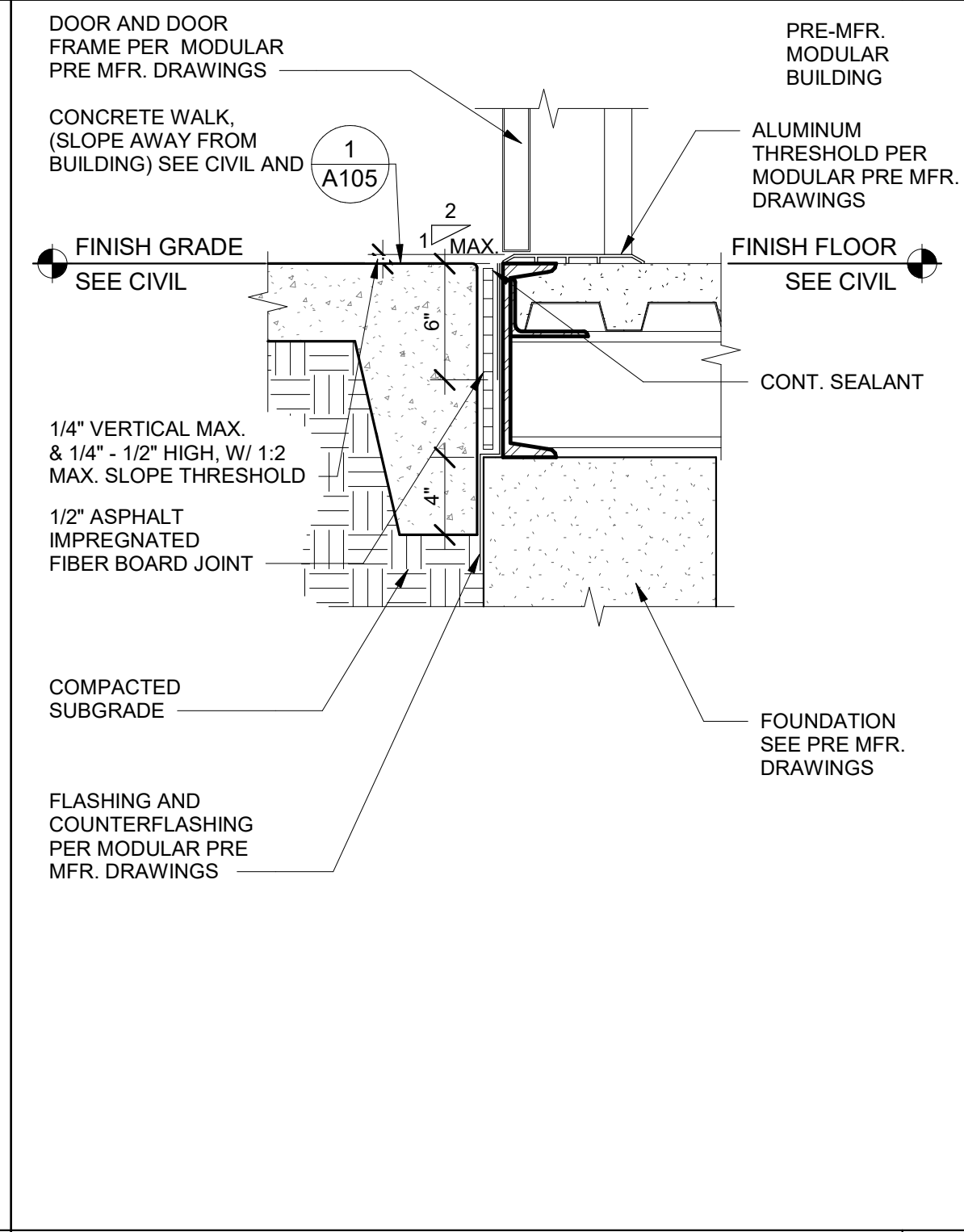
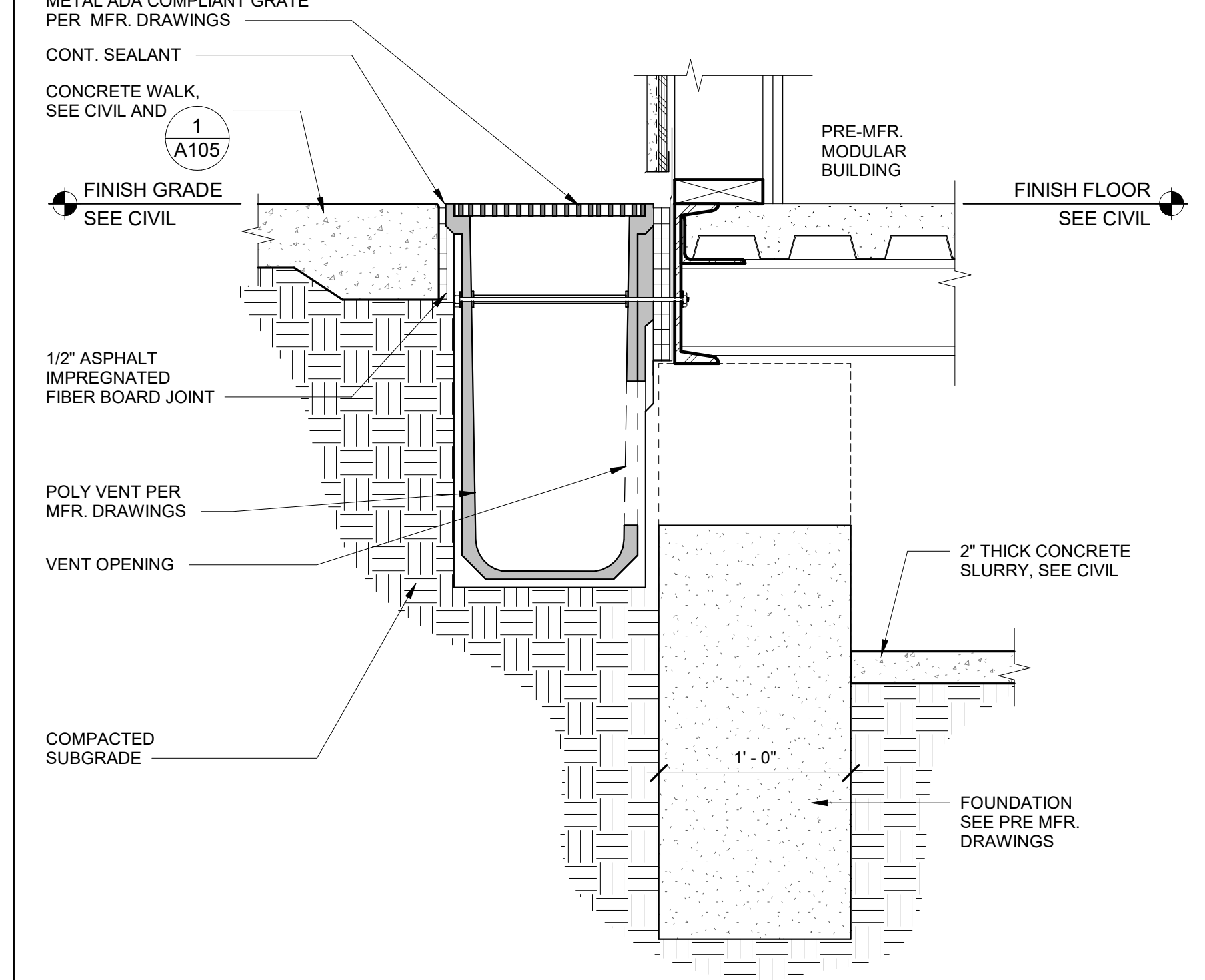
CONCRETE  
RETAINING WALL  
PER MFR.  
DRAWINGS

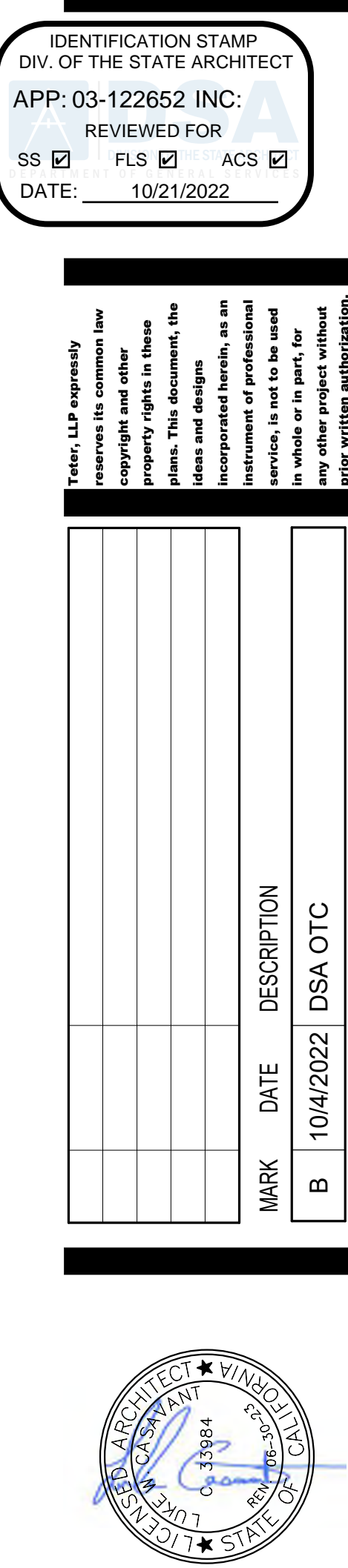
GRAVEL BASE PER  
SITE CONTRACTOR

FOUNDATION  
SEE PRE MFR.  
DRAWINGS

1'-6"

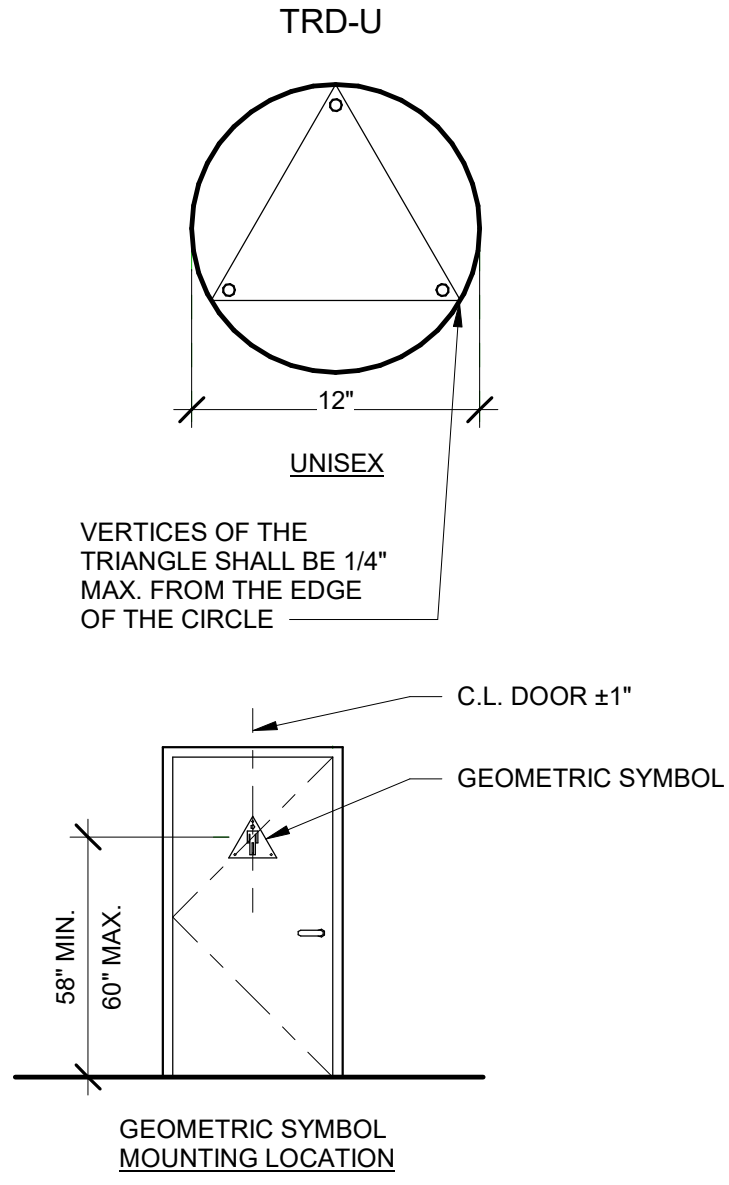
COMPACTED  
SUBGRADE





\\net-file1\Users\gabriel.ceja - TETRDocuments\12300-A-UNIVERSAL TK-2023\_gabriel.ceja.rvt  
PLOT DATE: 10/17/2022 10:41:38 AM

TOILET ROOM DOOR IDENTIFICATION SYMBOL (TRD)



- NOTES:
1. SYMBOLS SHALL BE 1/4" THICK. UNISEX SYMBOLS SHALL CONSIST OF A 1/4" THICK TRIANGLE ON A 1/4" THICK CIRCLE.
  2. THE COLOR OF THE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR. FOR UNISEX SIGNS, THE COLOR OF THE CIRCLE SHALL CONTRAST WITH THE DOOR AND THE COLOR OF THE TRIANGLE SHALL CONTRAST WITH THE CIRCLE. CONTRAST SHALL BE LIGHT ON DARK OR DARK ON LIGHT.
  3. SYMBOLS SHALL NOT CONTAIN BRAILLE OR WRITTEN TEXT.
  4. PICTOGRAMS ARE NOT A REQUIRED FEATURE BUT MAY BE INCLUDED, EXCEPT AT UNISEX RESTROOMS WHERE PICTOGRAMS SYMBOLS ARE NOT PERMITTED.
  5. EDGES OF SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16" MINIMUM OR CHAMFERED AT 1/8" MAXIMUM. VERTICES OF TRIANGLES SHALL BE RADIUSSED BETWEEN 1/8" MIN / 1/4" MAX.
  6. SYMBOLS SHALL BE LOCATED ON DOORS TO TOILET ROOMS, WHERE NO DOORS ARE PROVIDED, SYMBOLS SHALL BE LOCATED ON THE WALL ADJACENT TO THE ENTRANCE OPENING.

GEOMETRIC SYMBOLS FOR TOILET ROOMS

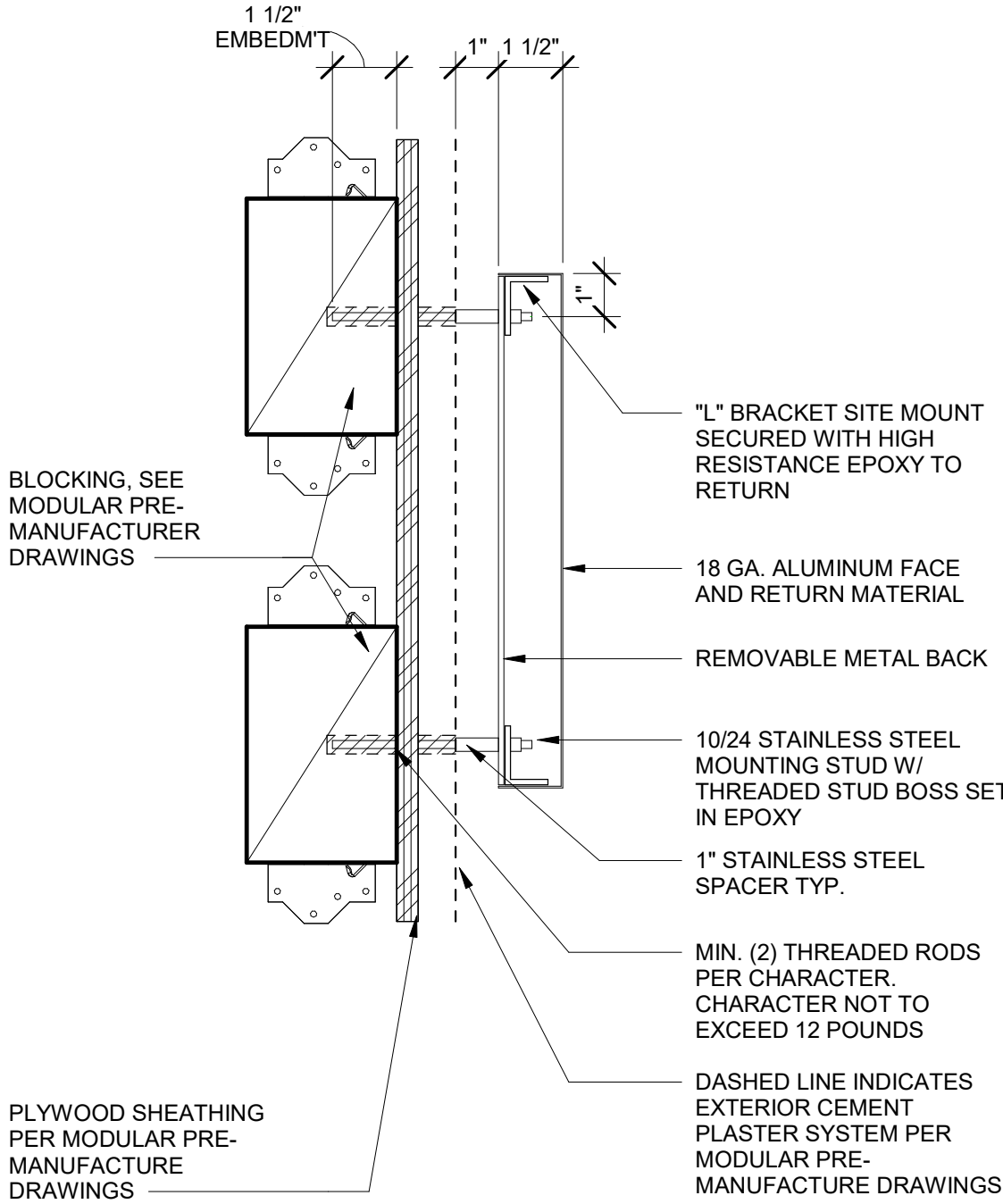
SRH\_12\_2019

1 1/2" = 1'-0"

27

BUILDING NUMBER	ELEVATION LOCATION	LETTER HEIGHT	LETTER THICKNESS	COPY	MOUNTING HEIGHT TO BOTTOM
8	NORTH	12"	3/4"	16	8'-6"
	SOUTH	12"	3/4"	16	8'-6"

NOTE:  
MANUFACTURER SHALL SUPPLY STUD LOCATION TEMPLATES



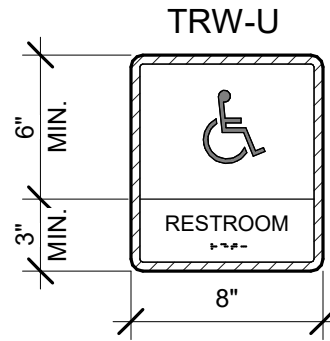
DIMENSIONAL LETTER

3" = 1'-0"

30

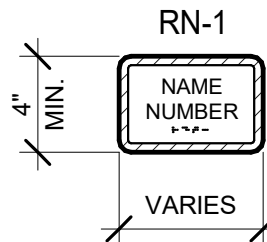
TYPICAL ROOM IDENTIFICATION

WALL MOUNTED TOILET SIGNAGE AT ACCESSIBLE TOILETS (TRW)



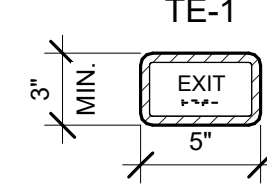
WALL MOUNTED IDENTIFICATION SIGNAGE AT FUNCTIONAL ROOMS (RN)

COORDINATE ROOM NAME AND NUMBER WITH OWNER PRIOR TO FABRICATION. DO NOT USE IDENTIFICATION FOUND ON THE DRAWINGS. U.N.O.



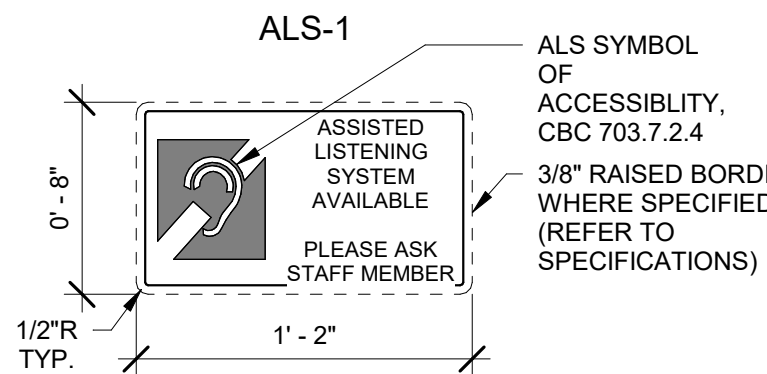
WALL MOUNTED TACTILE EXIT SIGN (TE)

1. EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT. SIGN TO STATE: "EXIT"

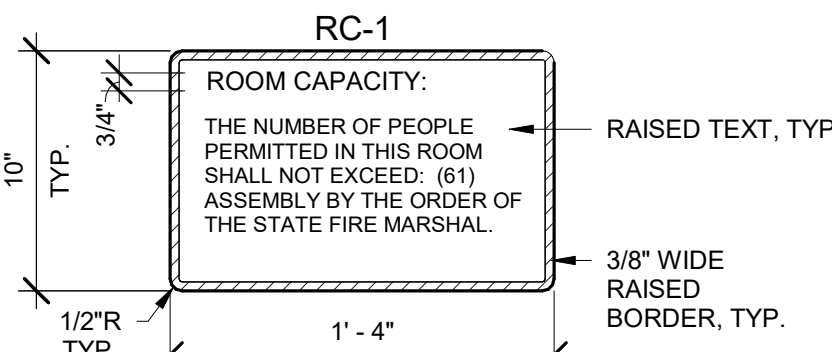


ASSISTED LISTENING DEVICE (ALS)

1. SEE FLOOR PLAN FOR POSTED LOCATION.



ROOM CAPACITY SIGN (RC)



GENERAL NOTES:

1. INFORMATIONAL SIGNAGE SHALL COMPLY WITH CBC 11B-703.5
2. INFORMATIONAL SIGNS ARE NOT REQUIRED TO HAVE RAISED CHARACTERS AND ACCOMPANYING BRAILLE.
3. LETTERING TO BE 3/4" HIGH MIN. U.N.O.

FINISH AND CONTRAST (CBC 11B-703.5.1): VISUAL CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

CASE (CBC 11B-703.5.2): CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

STYLE (CBC 11B-703.5.3): CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

CHARACTER PROPORTIONS (CBC 11B-703.5.4): CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

CHARACTER HEIGHT (CBC 11B-703.5.5): MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

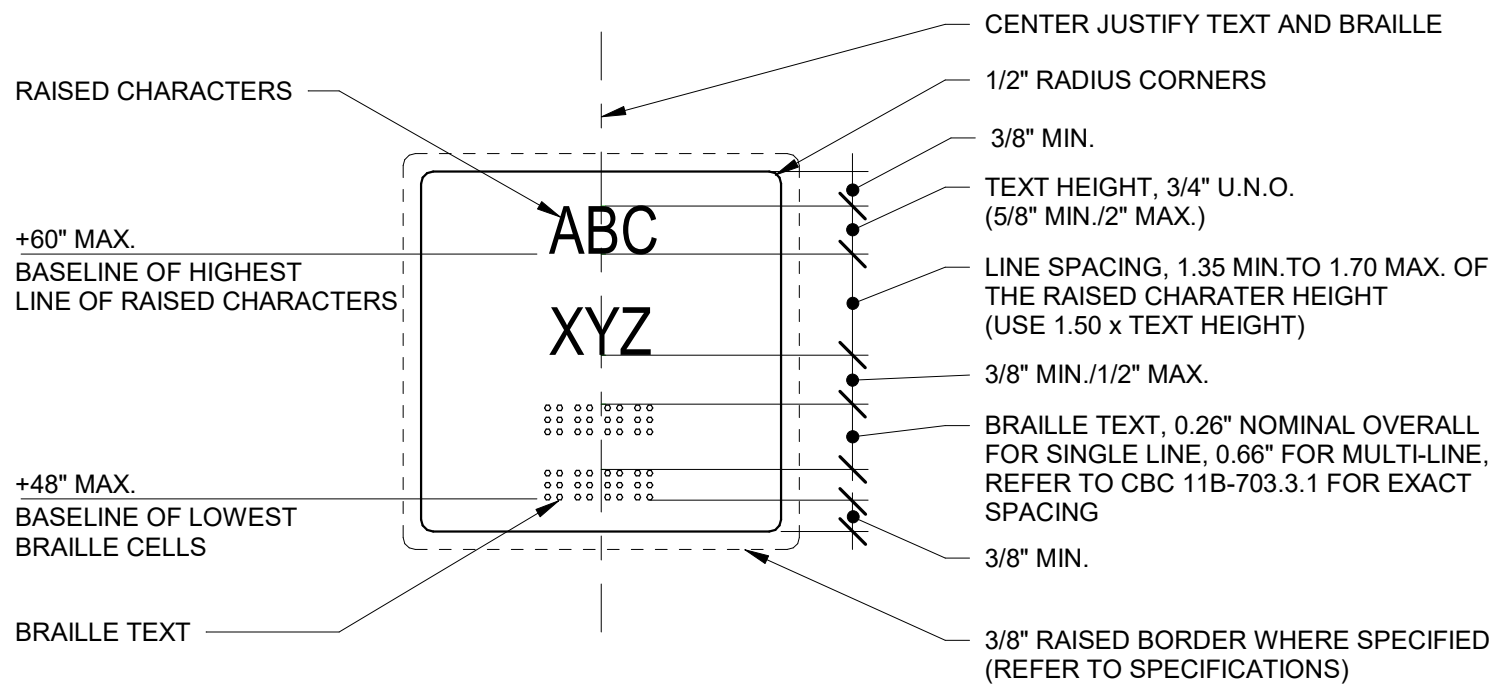
STROKE THICKNESS (CBC 11B-703.5.7): STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

CHARACTER SPACING (CBC 11B-703.5.8): CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

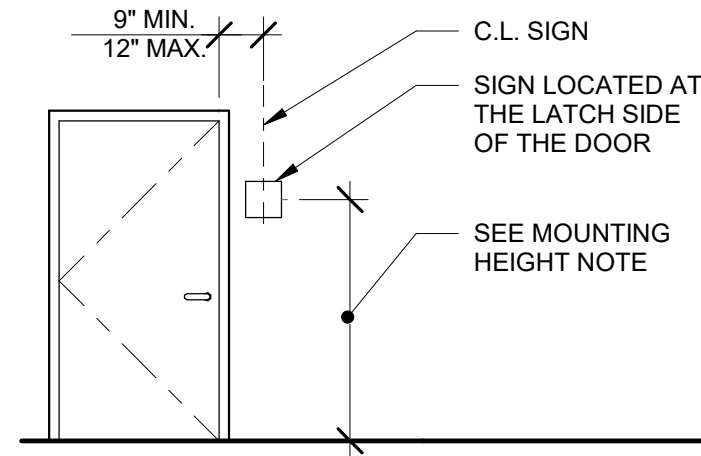
LINE SPACING (CBC 11B-703.5.9): SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

FORMAT (CBC 11B-703.5.10): TEXT SHALL BE IN A HORIZONTAL FORMAT.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. 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. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION. TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.



TYPICAL ROOM IDENTIFICATION OR TACTILE EXIT SIGN



SIGN MOUNTING HEIGHT AND LOCATION

NOTES:

GENERAL SIGNAGE SHALL COMPLY WITH CBC SECTION 11B-703. RAISED CHARACTER SIGNS SHALL COMPLY WITH CBC 11B-703.2, 11B-703.3 AND 11B-703.4

RAISED CHARACTERS (CBC 11B-703.2): RAISED CHARACTERS (TEXT) SHALL COMPLY WITH CBC SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE. RAISED CHARACTERS SHALL BE UPPERCASE AND BE RAISED 1/32-INCH MINIMUM ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE SANS SERIF AND NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 58-INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. TEXT SHALL BE IN A HORIZONTAL FORMAT. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

BRAILLE (CBC 11B-703.3): BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 703.3.1. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT. CENTER JUSTIFIED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM AND FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

MOUNTING HEIGHT (CBC 11B-703.4.1): TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

LOCATION (CBC 11B-703.4.2): SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR, WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION, WHERE PROVIDED. SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE, WHERE PROVIDED. SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. 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. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION. TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

TYPICAL ROOM IDENTIFICATION AND TACTILE SIGNAGE

SRH\_12\_2019

1 1/2" = 1'-0"

2

KEYNOTES

- 6.11 LINE OF ROOF OVERHANG, TYP.
- 10.11 TACTILE EXIT SIGN (TE-1), SEE DETAIL 2 / A107
- 10.13 ASSISTIVE LISTENING SYSTEM SIGN (ALS-1), SEE DETAIL 2 / A107
- 10.14 ROOM NAME SIGN (RN-1), SEE DETAIL 2 / A107
- 10.15 ROOM CAPACITY SIGN (RC-1), (MOUNTED AT 80" A.F.F.) SEE DETAIL 2 / A107
- 10.16 DIMENSIONAL NUMBER CHARACTER SIGNAGE, SEE DETAIL 30 / A107
- 10.18 RESTROOM DOOR SIGN (TRD-U), SEE DETAIL 27 / A107
- 10.19 RESTROOM WALL SIGN (TRW-U), SEE DETAIL 2 / A107
- 10.66 FIRE EXTINGUISHER, SEE MODULAR PRE-MANUFACTURER DRAWINGS
- 13.41 BUILDING VENTILATION WITH GRATE, SEE MODULAR PRE-MANUFACTURER MODULAR DRAWINGS
- 13.42 FOUNDATION ACCESS WITH GRATE, SEE MODULAR PRE-MANUFACTURER DRAWINGS
- 13.43 CONCRETE FOUNDATION, SEE MODULAR PRE-MANUFACTURER DRAWINGS
- 23.06 WALL MOUNTED HVAC, SEE MODULAR PRE-MANUFACTURER DRAWINGS
- 32.24 2" THICK CONCRETE SLURRY, SEE CIVIL

GENERAL NOTES

REFER TO MODULAR PRE-MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION

IDENTIFICATION STAMP  
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MARK	DATE	DESCRIPTION
B	10/4/2022	DSA OTC



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VISUAL BAKERSFIELD 1100 WEST 1ST ST SUITE 100  
ARCHITECTS ENGINEERS CONNECTED



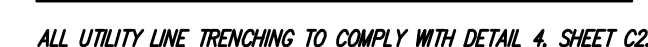
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STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308  
DRAWING TITLE  
FOUNDATION, FLOOR PLAN AND SIGNAGE DETAILS

PROJECT NO.

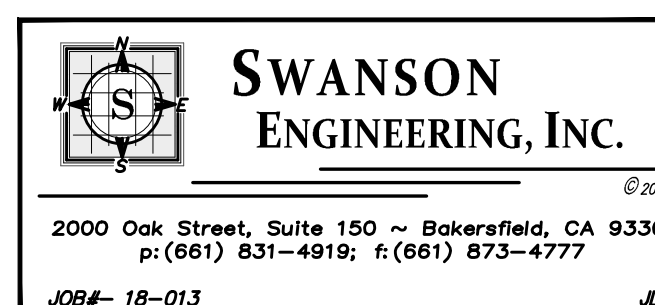
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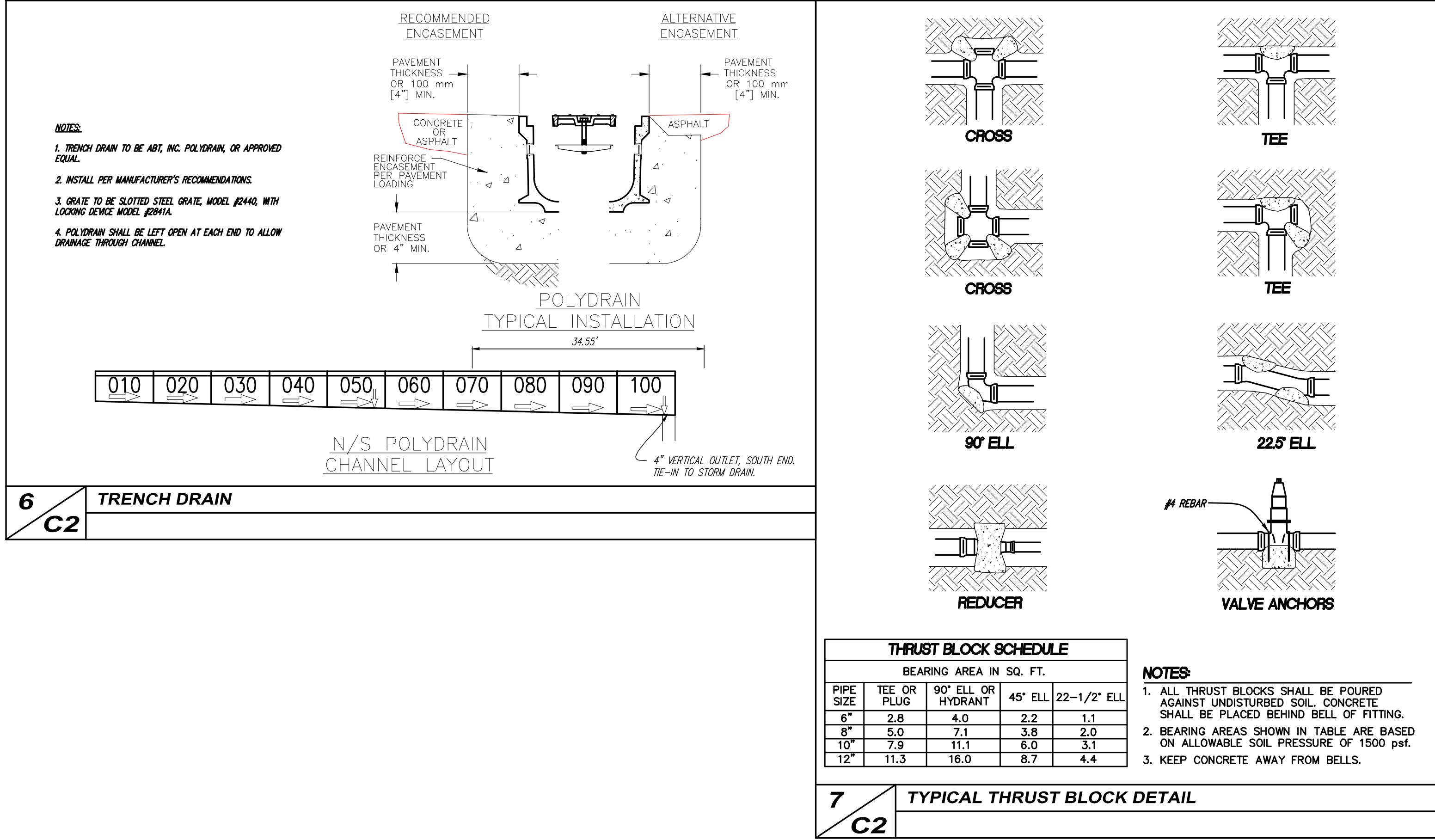
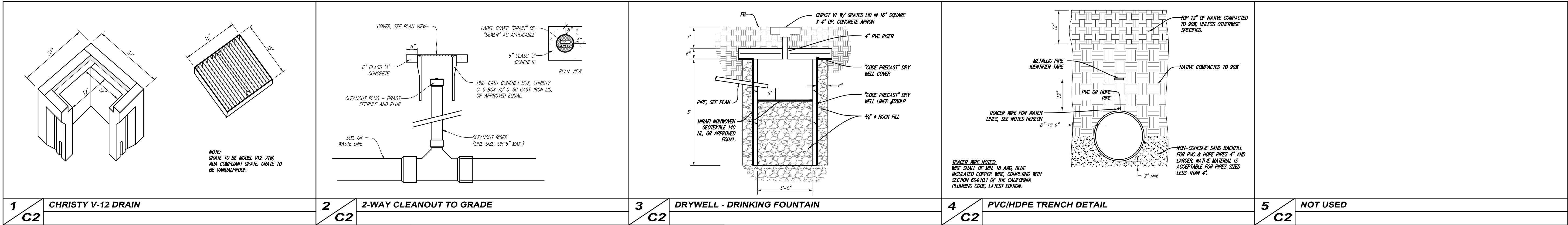
DRAWING

A107



CONTRACTOR TO CALL FOR USA LOCATE AND POTHOLE ALL MARKED UTILITIES IN CUT AREAS. VERTICAL AND HORIZONTAL LOCATION SHALL BE ASCERTAINED BY THE CONTRACTOR AHEAD OF ANY EXCAVATIONS TO VERIFY THAT THE PROPOSED DESIGN DOES NOT CONFLICT WITH ANY UTILITIES. IN THE EVENT A CONFLICT EXISTS THE ENGINEER SHALL BE NOTIFIED IN ORDER TO REDESIGN THE AFFECTED AREA. IF RELOCATION OF EXISTING UTILITIES IS DEEMED NECESSARY, THE CONTRACTOR SHALL BE COMPENSATED FOR INSTRUCTED RELOCATION. IN THE EVENT A UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ITS REPAIR.





GRADING NOTES

1. ALL GRADING SHALL CONFORM TO THE COUNTY OF KERN ORDINANCES AND STANDARDS PERTAINING THERETO (CALIFORNIA BUILDING CODE, 2019) AND SHALL BE SUPERVISED AS ENGINEERED GRADING IN ACCORDANCE WITH COUNTY OF KERN ORDINANCES.
2. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITH HIS FULFILLMENT.
3. THE SOIL ENGINEER, DESIGN ENGINEER, AND BUILDING OFFICIAL SHALL BE NOTIFIED 48 HOURS PRIOR TO PLACING ANY MATERIAL.
4. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS RESPONSIBILITY SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ARCHITECT, AND THE ENGINEER HARMLESS FROM ANY LIABILITY (REAL OR ALLEGED), IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR THE ENGINEER.
5. THE GRADING CONTRACTOR SHALL CONTACT ALL COMPANIES WITH UNDERGROUND FACILITIES PRIOR TO BEGINNING CONSTRUCTION AND VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND FACILITIES INCLUDING TELEPHONE, ELECTRIC, WATER, SEWER, OIL AND GAS LINES. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR BURIED LINES NOT INDICATED ON THE PLAN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES. (USA - 811)
6. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING ALL AREAS TO + OR - 0.10 FOOT. IF AN AREA SHOULD BE FOUND TO BE MORE THAN 0.10 FOOT OUT OF TOLERANCE AFTER COMPLETING AND COMPLETION OF GRADING, THE CONTRACTOR SHALL RETURN AND CORRECT THE GRADING AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL WATER AS REQUIRED DURING THE GRADING OPERATIONS TO PREVENT THE OCCURRENCE OF A DUST NUISANCE AND SHALL PROTECT CURBS AND OTHER OBJECTS WHICH ARE TO REMAIN. DUST CONTROL SHALL CONFORM TO THE SAN JOAQUIN VALLEY UNITED AIR POLLUTION CONTROL DISTRICT REGULATIONS.
8. EXCAVATION - EXCAVATION SHALL CONSIST OF ALL EXCAVATION INVOLVED IN GRADING THE PROJECT AS SHOWN ON THE PLANS. THIS SHALL INCLUDE EXPORTING MATERIAL TO AN OFF-SITE LOCATION, AS REQUIRED.
9. EMBANKMENTS - EMBANKMENT CONSTRUCTION SHALL CONSIST OF CONSTRUCTING EMBANKMENTS INCLUDING THE PREPARATION OF AREAS WHERE THEY ARE TO BE PLACED, THE CONSTRUCTION OF DICES WITHIN OR OUTSIDE THE CONSTRUCTION AREA, THE PLACING AND COMPACTING OF APPROVED MATERIAL WITHIN THE CONSTRUCTION AREA WHERE UNSUITABLE MATERIAL HAS BEEN REMOVED, AND THE PLACING AND COMPACTING OF EMBANKMENT MATERIAL IN HOLES, PITS, AND DEPRESSIONS. IT SHOULD ALSO CONSIST OF PREPARING SUB-GRADE AT THE GRADING PLANE, CONFORMING TO THE GRADE TOLERANCE, DOING NECESSARY FLOWING OR BENCHING, IMPORTING OR EXPORTING, PLACING AND COMPACTING MATERIAL TO THE LINE AND GRADES SHOWN ON THE PLANS. ALL EMBANKMENT CONSTRUCTION SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE.
10. THE WORK EMPHATICALLY HEREIN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DATED JULY 2018 (UNLESS OTHERWISE SPECIFIED), INsofar AS THE SAME MAY APPLY IN ACCORDANCE WITH THE NOTES HEREIN. IN CASE OF CONFLICT WITH THE STANDARD SPECIFICATIONS AND ANY NOTES HEREIN, THE NOTES HEREIN SHALL TAKE PRECEDENCE OVER AND BE USED IN LIEU OF SUCH CONFLICTING PORTIONS. SAID SPECIFICATIONS SHALL APPLY BUT NOT BE LIMITED TO THE FOLLOWING:
  - A) ALL CONCRETE SHALL BE CLASS "C" USING TYPE V CEMENT AS IN ACCORDANCE WITH SECTION 801 AND SHALL HAVE AT LEAST 2500 PSI COMPRESSIVE STRENGTH AT 28 DAYS PER CALTRANS STANDARD SPECIFICATIONS (2008) UNLESS OTHERWISE SPECIFIED.
  - B) ASPHALTIC CONCRETE SHALL BE TYPE "B", 1 1/2" MAXIMUM MEDIUM GRADED, AND INTIMATELY MIXED WITH 5-6.5% ASPHALT PER CALTRANS STANDARD SPECIFICATIONS (2008). NO R.A.P. (RECLAIMED ASPHALT PAVEMENT) SHALL BE USED. ASPHALT SHALL BE PERFORMANCE GRADE PG58-10.

11. SWANSON ENGINEERING SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF, THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED, IN WRITING, BY SWANSON ENGINEERING.
12. NOT USED.
13. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL POT-HOLE ALL UTILITIES THAT WILL BE AFFECTED BY THIS CONSTRUCTION TO DETERMINE IF ANY UTILITIES EXIST. ANY UTILITY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER SO THAT DESIGN CHANGES CAN BE MADE PRIOR TO THE START OF CONSTRUCTION.
14. UPON COMPLETION OF GRADING AND BEFORE THE START OF CONSTRUCTION, A FINAL SOILS REPORT SHALL BE PREPARED BY THE SOIL ENGINEER.
15. THE SOIL ENGINEER SHALL REVIEW ALL EXCAVATIONS PRIOR TO BACKFILLING AND SHALL BE NOTIFIED OF ANY ITEM DISCOVERED DURING THE GRADING OPERATIONS THAT MIGHT AFFECT FOUNDATION STABILITY SO THAT RECOMMENDATIONS CAN BE MADE BY THE SOIL ENGINEER.
16. CUT AND FILL SLOPES NEARER THAN FIVE FEET FROM THE BUILDING FOUNDATIONS SHALL NOT BE STEEPER THAN 5:1. CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2:1 FOR SLOPES FARTHER THAN FIVE FEET FROM FOUNDATION LINES.
17. ALL SLOPES GREATER THAN THREE FEET IN VERTICAL HEIGHT SHALL BE PREPARED AND MAINTAINED TO PREVENT EROSION.
18. IMPORTED FILL MATERIAL SHOULD CONSIST OF ESSENTIALLY GRANULAR, SILTY SANDS WITH LOW EXPANSION POTENTIAL AND FREE OF GRASSES, WEEDS, ROCKS LARGER THAN TWO INCHES IN DIAMETER, DEBRIS, AND SOLUBLE SALTS IN EXCESS OF 200 PARTS PER MILLION. IMPORTED FILL SHOULD CONTAIN SUFFICIENT SILT AND CLAY BINDER TO RENDER HIGH STABLE IN FLOODING TRENCHES AND CAPABLE OF MAINTAINING SPECIFIED ELEVATION TOLERANCES DURING PAVING OPERATIONS. ANY EXISTING MATERIALS PROPOSED TO BE BROUGHT ONTO SHOULDER SITES ARE SUBJECT TO TESTING TO VERIFY THEY ARE IN COMPLIANCE WITH DISC STANDARDS. OWNER SHALL DETERMINE IF TESTING OF MATERIALS IS REQUIRED PRIOR TO ANY MATERIAL BEING BROUGHT ONTO THE SITE. TESTING OF MATERIALS MAY TAKE UP TO TWO WEEKS TO VERIFY COMPLIANCE WITH DISC STANDARDS.

IMPORTED SOILS SHOULD ALSO MEET THE FOLLOWING CRITERIA:

- A) MAXIMUM PASSING #200 SIEVE . . . . . 50
- B) MAXIMUM LIQUID LIMIT . . . . . 40
- C) MAXIMUM PLASTICITY INDEX . . . . . 14
- D) MINIMUM F-VALUE . . . . . 50
- E) MAXIMUM EXPANSION INDEX . . . . . 20

19. CLEARING AND GRUBBING - REMOVE ALL DEBRIS, SUCH AS METAL, TRASH, BROKEN CONCRETE, VEGETATION, OTHER BIODEGRADABLE SUBSTANCES, AND UNSUITABLE SOIL FROM AREAS TO BE GRADED. UNSUITABLE SOIL IS SOIL THAT, IN THE OPINION OF THE BUILDING OFFICIAL, SOIL ENGINEER, OR CIVIL ENGINEER, IS NOT COMPETENT TO SUPPORT OTHER SOIL OR STRUCTURES, OR TO SATISFACTORILY PERFORM ANY OTHER FUNCTIONS FOR WHICH THE SOIL IS INTENDED.

20. AREAS TO RECEIVE FILL SHALL BE SCARIFIED SIX INCHES, OR AS RECOMMENDED IN THE SOIL REPORT, WHICHEVER IS GREATER, UNTIL THE SURFACE IS FREE FROM ROOTS, HOLLOWEDS OR OTHER UNDESIRABLE FEATURES WHICH WOULD TEND TO PREVENT UNIFORM COMPACTION BY THE EQUIPMENT TO BE USED. MOTTEN AND COMPACT TO AT LEAST 90% OF THE MAXIMUM DENSITY PER ASTM D1557 UNLESS OTHERWISE SPECIFIED.

21. ENGINEERED FILL MATERIALS SHOULD BE PLACED IN THIN LAYERS (LESS THAN EIGHT INCHES UNCOMPACTED THICKNESS), BROUGHT TO NEAR THE OPTIMUM MOISTURE CONTENT OR TO A MOISTURE CONTENT COMPENSATIVE WITH EFFECTIVE COMPACTION AND SOIL STABILITY, AND COMPACTED TO A MINIMUM OF 90 PERCENT OF THE MAXIMUM DENSITY OBTAINABLE BY ASTM TEST METHOD D1557.

22. THE GRADING PLAN DOES NOT NECESSARILY INDICATE A BALANCED SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING MATERIALS FROM AN OFF-SITE LOCATION OR EXPORTING EXCESS MATERIAL TO AN OFF-SITE LOCATION, AS NEEDED.

23. CONTRACTOR TO VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS IN THE FIELD BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES THAT WILL AFFECT THE WORK TO EXISTING IMPROVEMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
24. BUILDING PAD PREPARATION: EXCAVATE EARTH MATERIAL TO A MINIMUM DEPTH OF TWELVE (12) INCHES BELOW THE LOWEST GRADE OR TWELVE (12) INCHES BELOW THE LOWEST FOUNDATION. WHICHEVER IS DEEPER, IN EACH OF THE PROPOSED BUILDING AREAS, THE BOTTOM OF THE EXCAVATION SHALL BE REVIEWED BY THE SOIL ENGINEER OR HIS REPRESENTATIVE PRIOR TO ANY BACKFILL OPERATIONS. THE TOP TWELVE INCHES OF MATERIALS EXPOSED AT THE BOTTOM OF THE EXCAVATION SHALL BE SCARIFIED AND COMPACTED TO A MINIMUM OF 90 PERCENT OF ASTM D1557. MOTTEN IMPORTED SOILS TO NEAR THE OPTIMUM MOISTURE OR TO A MOISTURE CONTENT CONSISTENT WITH EFFECTIVE COMPACTION AND SOIL STABILITY. COMPACT MOTTENED SOILS TO A MINIMUM OF 90 PERCENT OF THE MAXIMUM DENSITY OBTAINED BY ASTM TEST METHOD D1557. WORK TO LINES AT LEAST THE (5) FEET BEYOND THE OUTSIDE EDGES OF EXISTING FOOTINGS AND TWO FEET BEYOND PAVEMENT EDGES.

25. PAVEMENT AND FLATWORK AREA PREPARATION: GROUND SURFACES TO RECEIVE CONCRETE DRIVEWAYS AND STAMMANS PAVEMENTS SHOULD BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE GRADING PLANE IN CUT AREAS OR TO 12 INCHES IN AREAS TO RECEIVE FILL. ENGINEERED FILL PLACED IN PROPOSED PAVEMENT AREAS SHOULD BE COMPACTED TO A MINIMUM OF 90 PERCENT OF THE MAXIMUM DENSITY AS OBTAINED BY ASTM TEST METHOD D1557, AND SHOULD EXTEND TO A MINIMUM OF TWO FEET BEYOND THE OUTSIDE EDGES OF PAVEMENT.

26. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHIELDING DESIGN AND INSTALLATION. CONTRACTORS SHALL OBTAIN APPLICABLE O.S.H.A. PERMITS WHEN WORKMEN MUST ENTER TRENCHES GREATER THAN FIVE FEET.

27. MAXIMUM SLOPE RATIO FROM BACK OF SIDEWALK TO FACE OF WALL OR STRUCTURE SHALL BE 4:1, EXCEPT FOR TWO FEET BEHIND THE SIDEWALK WHERE THE MAXIMUM SLOPE SHALL BE 2:1. ALTERNATIVELY, THE CITY ENGINEER MAY APPROVE CURBING BEHIND THE SIDEWALK OF OTHER METHOD TO PREVENT EROSION ONTO THE SIDEWALK.

28. AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK PERFORMED WITHIN EXISTING ACCEPTED STREET RIGHT OF WAY, UNLESS SECURED BY A SUBDIVISION AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN RIGHT OF WAY AND INSURANCE AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A PERMIT.

29. IF THE PROJECT IS SUBJECT TO THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), A "NOTICE OF INTENT" (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (NO ORDER NO. 2009-009-LNO) AS AMENDED BY ORDER 2010-004-LNO AND ORDER 2012-006-LNO) MUST BE FILED WITH STATE WATER RESOURCES CONTROL BOARD IN SACRAMENTO BEFORE THE BEGINNING OF ANY CONSTRUCTION ACTIVITY. COMPLIANCE WITH GENERAL PERMIT REQUIRES THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE PREPARED, CONTINUOUSLY CARRIED OUT, AND ALWAYS BE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL CONSTRUCTION HOURS.

SEWER NOTES:

GENERAL

1. CONTRACTOR WILL FURNISH ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND SUPERVISION NECESSARY TO COMPLETE INSTALLATION.
2. PVC PIPE - PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF THE CURRENT ASTM SPECIFICATION D-3034 FOR SDR35 PVC. PIPE AND FITTINGS SHALL BE HOMOGENEOUS THROUGHOUT AND FREE FROM CRACKS, HOLES, FOREIGN INCLUSIONS, OR OTHER INJURIOUS DEFECTS.
3. JOINTS - USE ONLY ELASTOMERIC GASKET JOINTS. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE PVC PIPE CONNECTS TO HDPE PIPE, USE ONLY COUPLERS APPROVED BY THE CITY OF BAKERSFIELD.
4. INSTALLATION - PIPE AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT ASTM SPECIFICATION D-2321. ONLY CLASS I AND II EMBEDEDMENT MATERIALS WILL BE CONSIDERED SUITABLE.
5. SYSTEM TESTING

1. A PRESSURE TEST SHALL BE PERFORMED ON INSTALLED PIPE IN ACCORDANCE WITH THE CITY OF BAKERSFIELD SUBDIVISION DESIGN MANUAL AND THE RECOMMENDATIONS OF THE MANUFACTURER.

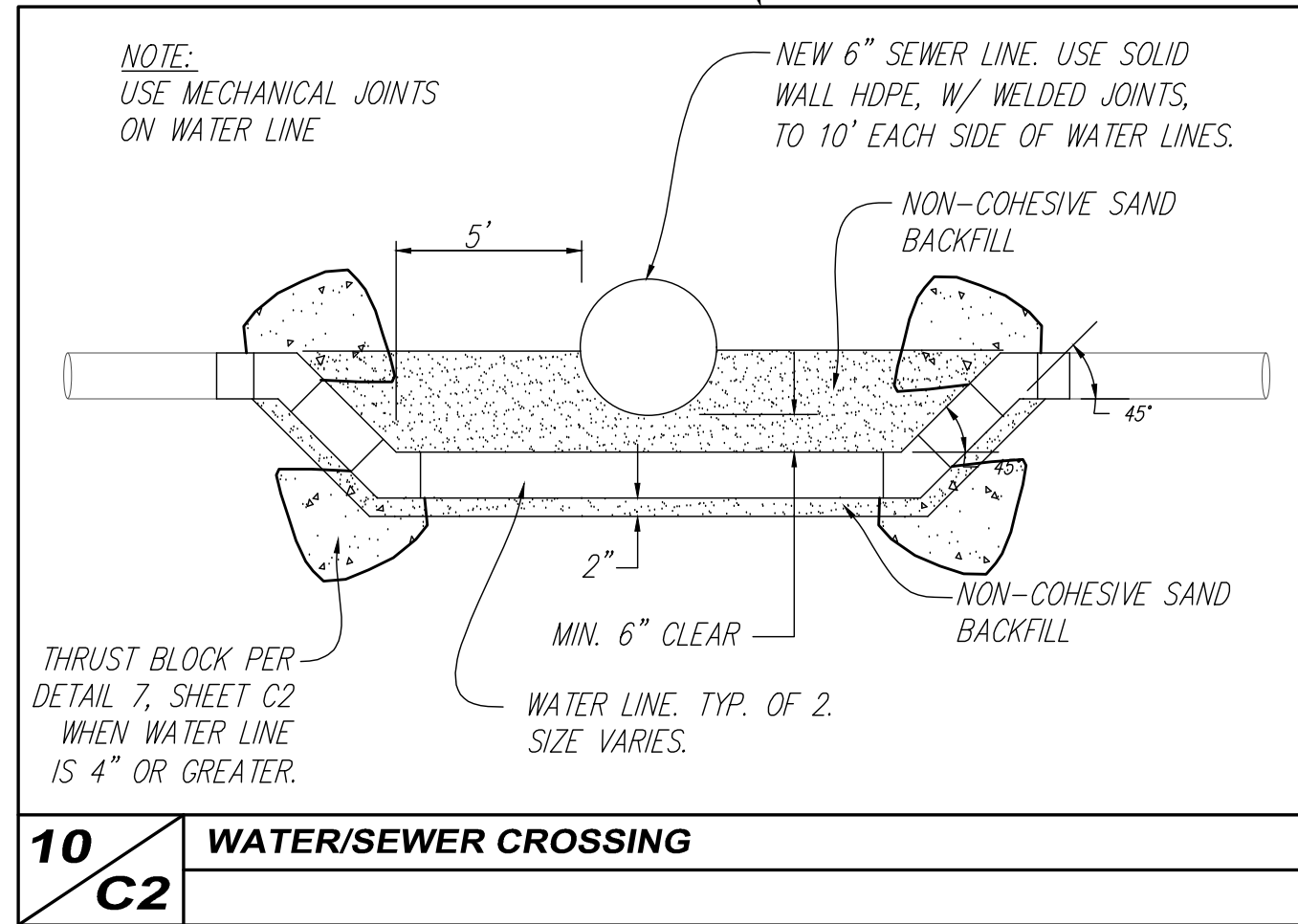
MISCELLANEOUS

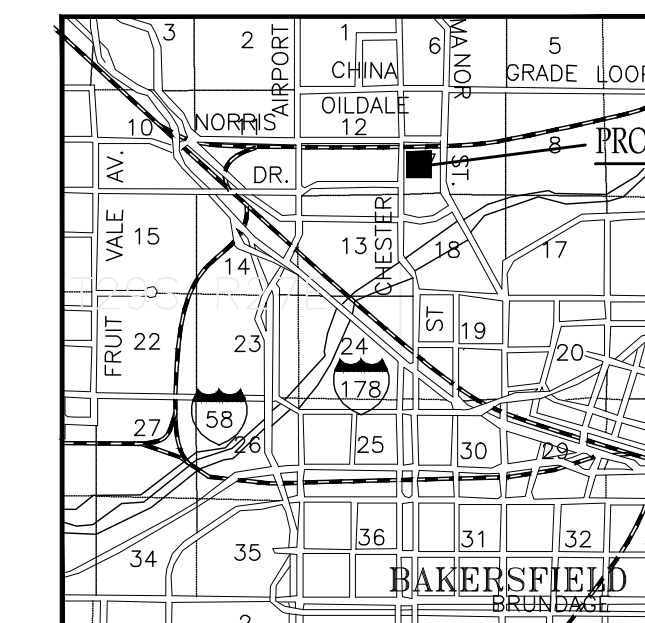
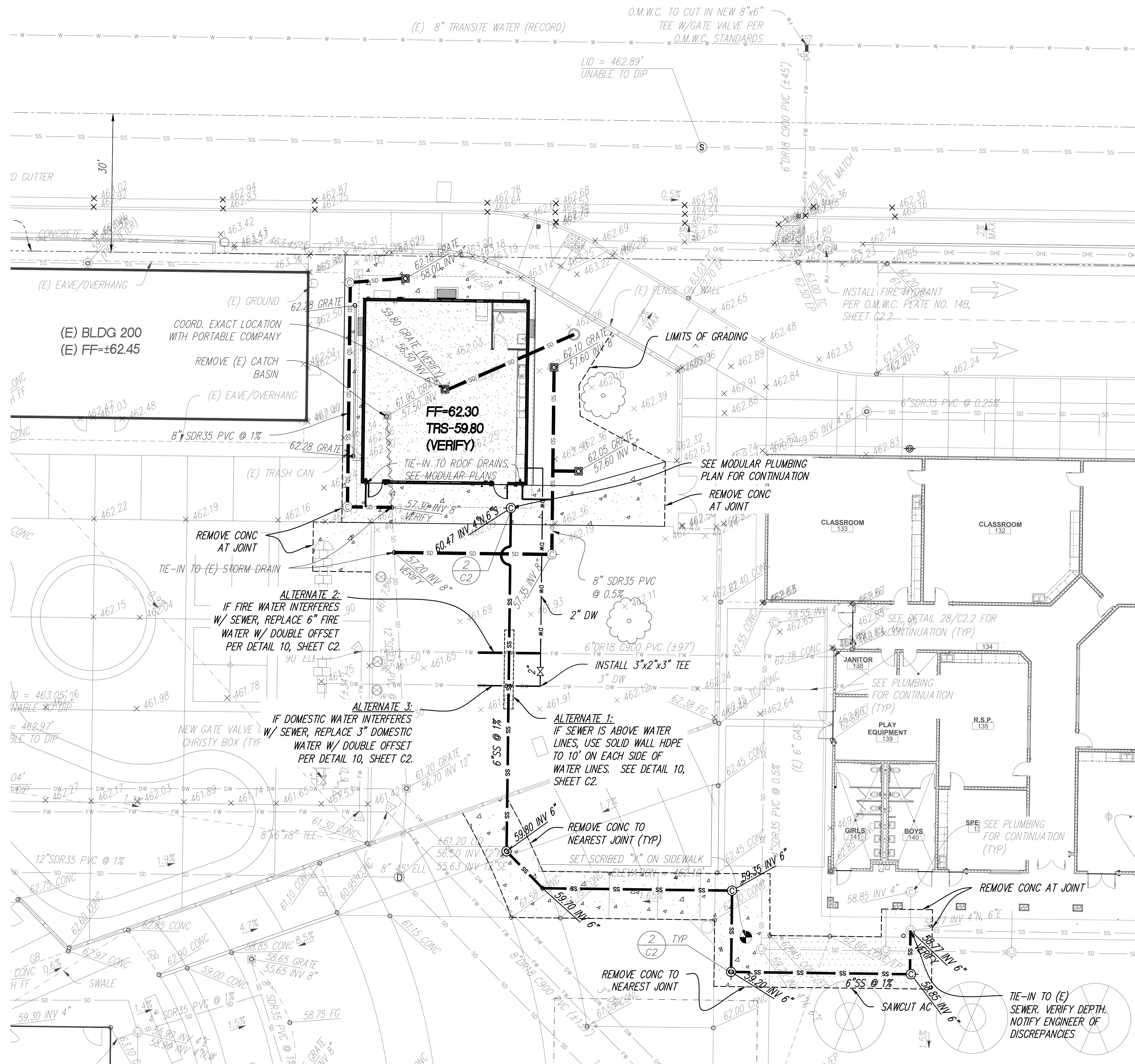
1. WYE FITTINGS SHALL BE INJECTION MOLDED IN-LINE TYPE AND SHALL BE USED FOR ALL LATERAL CONNECTIONS.
2. ALL SEWER STUBS SHALL BE CLOSED WITH A STANDARD PLASTIC PLUG, SOLVENT WELDED.
3. WATER JETTING AND FLOODING SHALL NOT BE USED FOR BACKFILL COMPACTION.
4. UNDERGROUND SERVICE ALERT (USA) SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS BEFORE CONSTRUCTION. TELEPHONE (1-800-642-2444)
5. CONTRACTOR TO CALL FOR USA LOCATE AND POT-HOLE ALL MARKED UTILITIES THAT CROSS OR ARE WITHIN 5' HORIZONTAL DISTANCE OF SEWER AND STORM DRAIN LINES. VERTICAL AND HORIZONTAL LOCATION SHALL BE ASCERTAINED BY THE CONTRACTOR AHEAD OF ANY EXCAVATIONS TO VERIFY THAT THE PROPOSED DESIGN DOES NOT CONFLICT WITH ANY UTILITIES. IN THE EVENT A CONFLICT EXISTS THE ENGINEER SHALL BE NOTIFIED IN ORDER TO REDESIGN THE ALIGNMENT. IF RELOCATION OF EXISTING UTILITIES IS DEEMED NECESSARY, THE CONTRACTOR SHALL BE COMPENSATED FOR INSTRUCTED RELOCATION. IF REDESIGN OF THE ALIGNMENT REQUIRES ADDITIONAL FITTINGS, PIPE, OR EXCAVATION THE CONTRACTOR SHALL BE COMPENSATED FOR REDISIGN. IN THE EVENT A UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ITS REPAIR.
6. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SEWER AND STORM DRAIN LINES THAT THE NEW SYSTEM TIES INTO PRIOR TO TRENCHING. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER SO THAT ANY NECESSARY ADJUSTMENTS MAY BE MADE. UTILITIES SHALL BE THOROUGHLY RESEARCHED AND LOCATED BY THE CONTRACTOR PRIOR TO TRENCHING. CROSSING UTILITIES SHALL BE DAYLIGHTED AND CHECKED FOR GRADE BY THE CONTRACTOR PRIOR TO TRENCHING.

WATER NOTES:

1. WATERLINE TRENCHES SHALL NOT BE SHARED WITH ANY OTHER UTILITY. THIS REQUIREMENT SHALL BE CLEARLY INDICATED ON THE WATER AND UTILITY PLANS FOR THE DEVELOPMENT.
2. CONTRACTOR SHALL VERIFY, BY POT-HOLING, THE EXACT LOCATION OF ALL CONNECTION POINTS AND ALL OTHER UTILITIES OR APPURTENANCES THAT MAY POTENTIALLY INTERFERE WITH INSTALLATION OF WATER IMPROVEMENTS PRIOR TO PERFORMING ANY WORK.
3. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (811) AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. 1-800-227-2669.
4. CONTRACTOR SHALL ENSURE THAT ALL FIRE HYDRANTS ARE NOT PLACED WITHIN FIVE FEET OF ANY EXISTING OR PROPOSED WALLS, FENCES, STREET LIGHTS, AND LANDSCAPING OR ANY OTHER OBSTRUCTIONS.
5. ANY EXISTING OR PROPOSED TREE SHALL HAVE A MINIMUM OF FIVE FOOT (5') HORIZONTAL CLEARANCE FROM ANY WATER MAINLINE.

ALTERNATE  
SEE SHEET C3 FOR LOCATION.





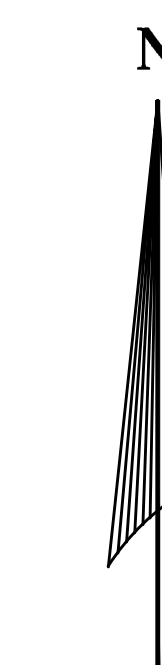
VICINITY MAP  
NO SCALE

**BENCHMARK USED:**  
A CHISELED "O" ON THE TOP OF CURB ON THE NORTH SIDE OF FERROUS, APPROX 145' E. OF WESTARA.  
ELEVATION = 443.995 (COUNTY DATUM)  
+400.000 TO DESIGN ELEVATIONS

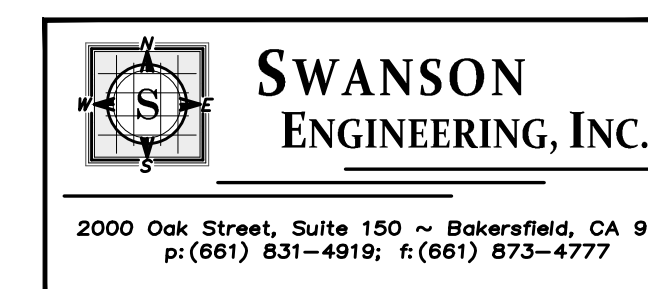
**UTILITY NOTE:**

NOT ALL UTILITIES WERE LOCATED BY THIS SURVEY AND THE SURVEYOR AND ENGINEER ASSUME NO RESPONSIBILITY FOR UNDERGROUND UTILITIES OR FACILITIES NOT SHOWN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES.  
UTILITIES SHOWN BASED ON AS-BUILT PLANS, SITE UTILITY PLANS, UTILITY BOX LOCATIONS, USA MARKINGS, AND PAVEMENT SANKS/UTS.  
ADJUST TO GRADE ALL UTILITY BOXES WITHIN LIMITS OF CONSTRUCTION.

ABBREVIATIONS:	
(E)	EXISTING
TYP	TYPICAL
FD	FOUND
BK	BOOK
PC	PAVE
C.O.B.	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	FLOORMARK
FF	FINISHED FLOOR
FP	FINISHED PAV
TP	TOP OF PAVEMENT
GB	GRADE BREAK
FS	FINISHED SURFACE
DW	DOMESTIC WATER
O.M.W.C.	OLDALDE NATURAL WATER CO.
TRS	TOP OF RAIL SLAB (2" CONC)
SD	EXISTING STORM DRAIN LINE
U	EXISTING UTILITY (UNKNOWN) (ALARM, DATA)
W	EXISTING WATER LINE
SS	EXISTING SEWER LINE
G	EXISTING GAS LINE
X	EXISTING FENCELINE
UGE	EXISTING ELECTRIC LINE
OHE	EXISTING OVERHEAD ELECTRIC LINE
---	EXISTING PROPERTY LINE
- - -	EXISTING RIGHT-OF-WAY
---	EXISTING CURB & GUTTER
---	EXISTING CENTERLINE
---	EXISTING EDGE OF PAVEMENT
---	EXISTING PNEUMATIC AIR
+	EXISTING CONTROL POINT
+	EXISTING FIRE HYDRANT
+	EXISTING POWER POLE
+	EXISTING STREET LIGHT
+	FOUND MONUMENT
+	EXISTING TRAFFIC SIGN
+	EXISTING LIGHT POLE
+	EXISTING GAS VALVE/BOX
+	EXISTING TELEPHONE BOX
+	EXISTING WATER METER BOX
+	EXISTING WATER VALVE BOX
+	EXISTING IRRIGATION VALVE BOX
+	EXISTING ELECTRIC BOX
+	EXISTING ROUND ELECTRIC BOX
+	EXISTING ROUND GROUND BOX
+	EXISTING CLEAN OUT TO GRADE
+	EXISTING SEWER MANHOLE
+	NEW CLEAN OUT TO GRADE PER DETAIL 2, SHEET C2
+	NEW GATE VALVE IN CHISTRY BOX
---	NEW DOMESTIC WATER LINE
---	NEW SANITARY SEWER LINE
---	NEW STORM DRAIN LINE
---	REMOVE (E) UTILITY LINE
---	RAT SLAB 2" CONCRETE/12" NATIVE @ 90%
---	4" CONCRETE/12" NATIVE @ 90%
---	0.2" AC/0.3" CLB AGG BASE/12" NATIVE @ 90%



SCALE: 1" = 10'



**TRENCHING**

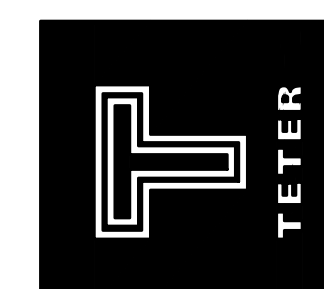
ALL UTILITY LINE TRENCHING TO COMPLY WITH DETAIL 4, SHEET C2

**MISC. UTILITY NOTE**

CONTRACTOR TO CALL FOR USA LOCATE AND POT-HOLE ALL MARKED UTILITIES IN CUT AREAS. VERTICAL AND HORIZONTAL LOCATION SHALL BE ASCERTAINED BY THE CONTRACTOR AHEAD OF ANY EXCAVATIONS TO VERIFY THAT THE PROPOSED DESIGN DOES NOT CONFLICT WITH ANY UTILITIES. IN THE EVENT A CONFLICT EXISTS THE ENGINEER SHALL BE NOTIFIED IN ORDER TO REDRESS THE AFFECTED AREA. IF REDRESS OF EXISTING UTILITIES IS DEEMED NECESSARY, THE CONTRACTOR SHALL BE COMPENSATED FOR INSTRUCTED RELOCATION. IN THE EVENT A UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ITS REPAIR.

**TETER, LLP**

FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECTED



UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE.  
BAKERSFIELD, CA 93308

DRAWING TITLE  
SITE UTILITY PLAN

PROJECT NO.

22-12390

DRAWING

C3



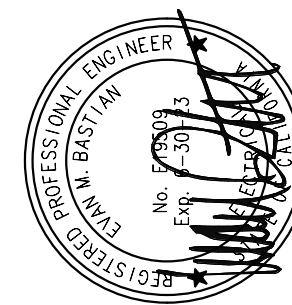
- 1 PROVIDE 12" X 12" G. WEATHERPROOF PULLCAN TO FACILITATE CONDUIT ROUTING TO LOWER GRADE. BOTTOM OF PULLCAN SHALL BE MINIMUM + 80" AFG.
- 2 EXISTING PLUS NEW EXTERIOR LIGHTING HAS BEEN CALCULATED TO PROVIDE 1.0 FOOT-CANDLE MINIMUM ILLUMINATION LEVEL ALONG PATH OF TRAVEL AND AT AREA OF SAFE DISPERAL.
- 3 PROVIDE ONE 125A, 3-POLE CIRCUIT BREAKER AT (E) PANEL 1# FOR PROTECTION OF (N) FEEDER TO (N) RELOCATABLE BUILDING.
- 4 ROUTE (N) CONDUIT IN BUILDING ATTIC SPACE.
- 5 (E) EXTERIOR LIGHTING FIXTURE TO REMAIN.
- 6 (N) EXTERIOR LIGHTING FIXTURE (BY MODULAR BUILDING MANUFACTURER).

A. THE SOURCE OF POWER FOR THE NEW BUILDING HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION AS SHOWN ON THE PLANS.

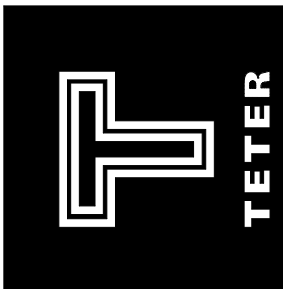
B. SITE INSPECTOR SHALL WITNESS AND VERIFY GROUNDING TEST FOR NEW BUILDING PER SPECIFICATIONS SECTION 269500. 3.5.B.

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. PROVIDE PULLBOXES PER DETAIL 8/E600.
- C. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL GRADE TO TOP OF CONDUIT.
- D. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

MARK	DATE	DESCRIPTION
C	10/17/22	DSA OTC RE-SUBMITTAL


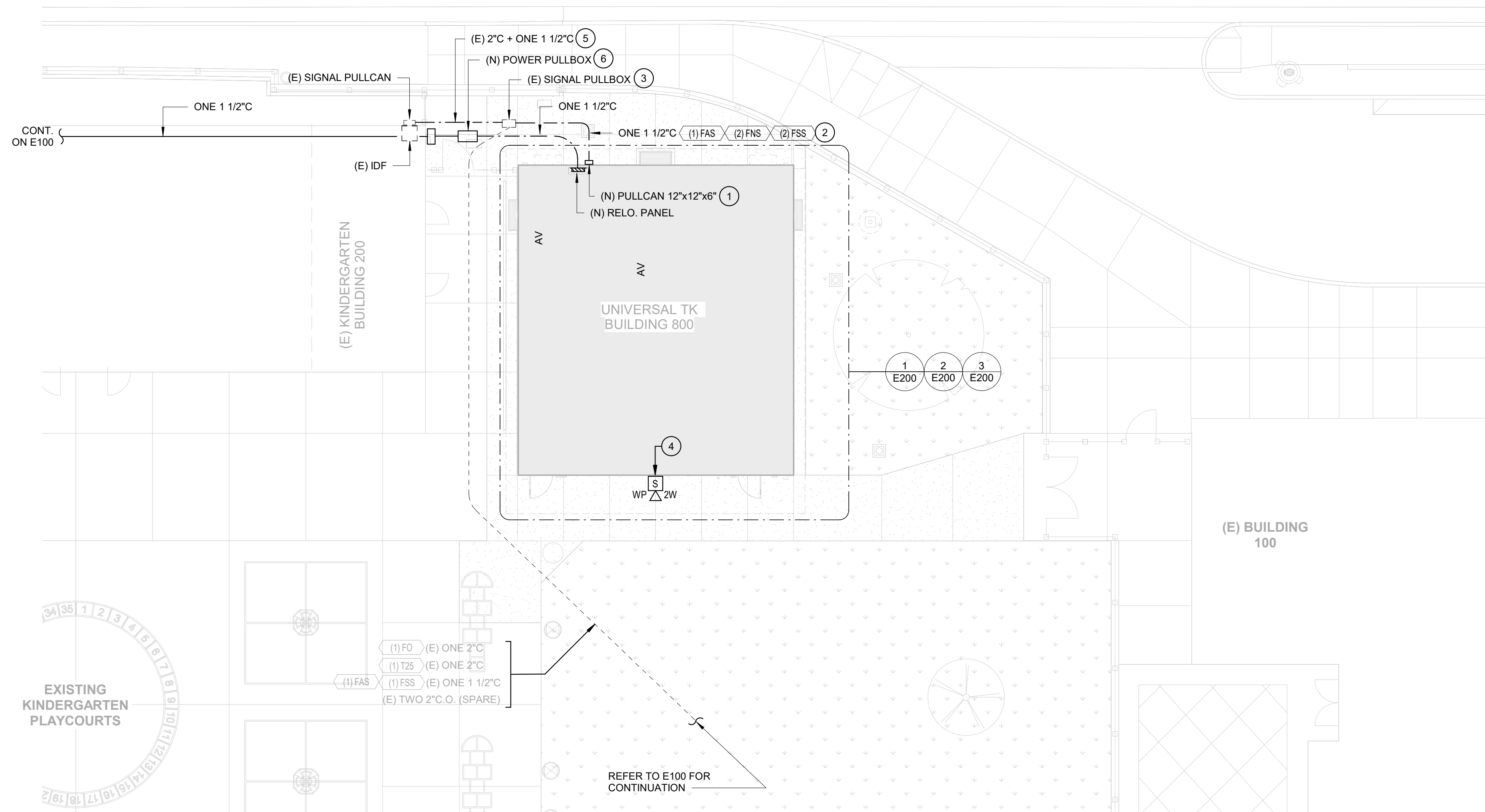


**TETER, LLP**  
FRESNO HEADQUARTERS  
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO  
ARCHITECTS ENGINEERS CONNECT



UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308  
DRAWING TITLE

# E101



NORTH

PARTIAL ELECTRICAL SITE PLAN

1" = 10'-0"	1
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- ① PROVIDE 12" x 12" x 6" WEATHERPROOF PULLCAN MOUNTED TO BUILDING EXTERIOR.
- ② ONE 1 1/2". ONE TYPE 'FAS' CABLE, TWO TYPE 'FNS' CABLE, AND TWO TYPE 'FSS' CABLE BETWEEN EXTERIOR SIGNAL PULLCANS.
- ③ USE (E) SIGNAL PULLBOX TO PULL NEW ONE TYPE 'FAS' CABLE, TWO TYPE 'FNS' CABLE, AND TWO TYPE 'FSS' CABLE BETWEEN (E) SIGNAL PULLCAN AT BUILDING 200 AND (N) PULLCAN AT NEW BUILDING 800.
- ④ WEATHERPROOF EXTERIOR EMERGENCY VOICE ALARM COMMUNICATION SPEAKER. REFER TO FIRE ALARM PLAN 3E200 FOR EXACT LOCATION.
- ⑤ ONE 1 1/2". PROVIDE NEW ONE TYPE 'FAS' CABLE, TWO TYPE 'FNS' CABLE, AND TWO TYPE 'FSS' CABLE BETWEEN (E) SIGNAL PULLCAN ON NORTH WALL, BUILDING 200 AND (E) SIGNAL PULLBOX.
- ⑥ PROVIDE NEW POWER PULLBOX. REFER TO DETAIL 8E800.
- ⑦ ONE 2". TEN TYPE 'DS' CABLES AND ONE TYPE 'TE' CABLE.

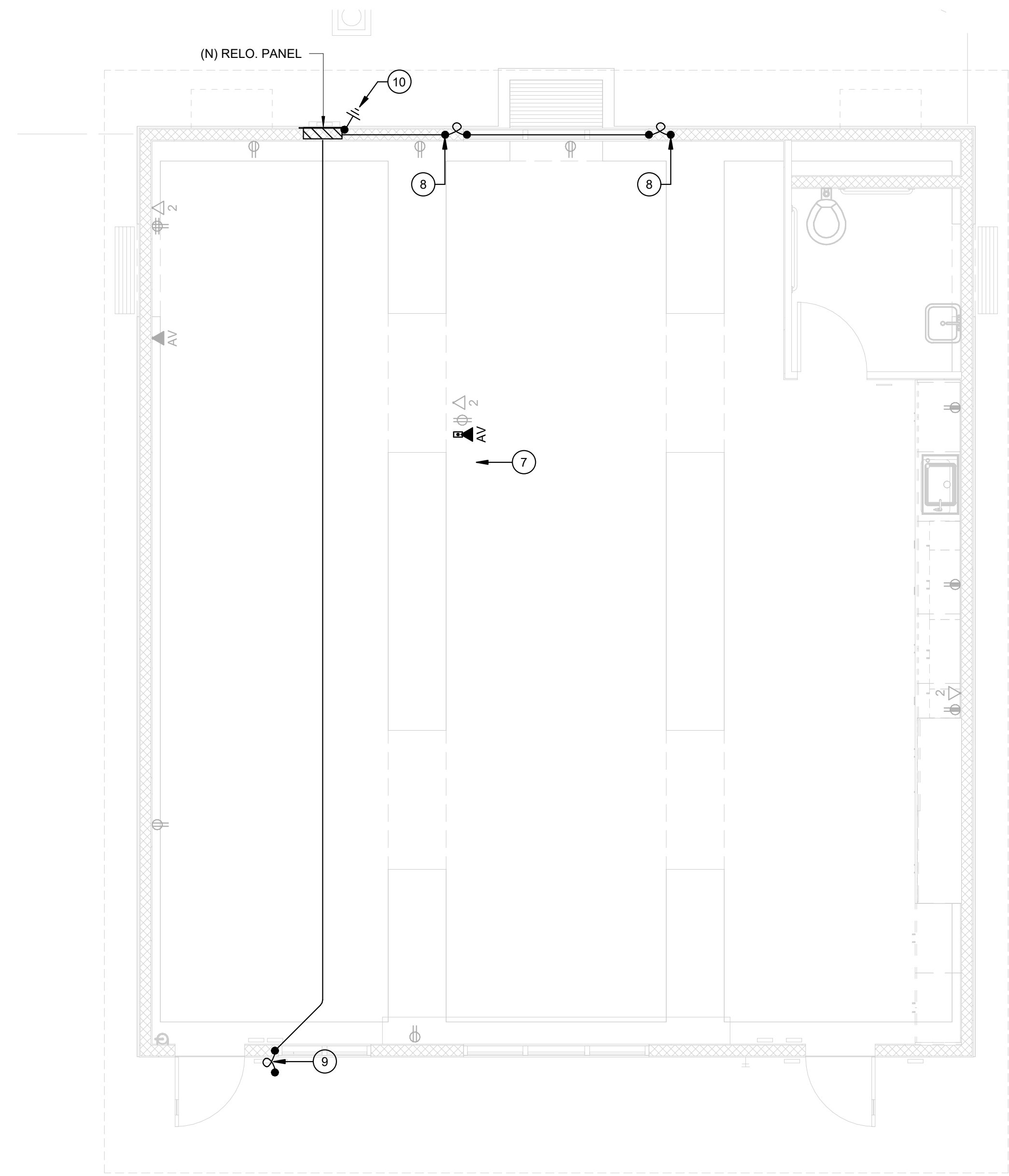
- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. PROVIDE PULLBOXES PER DETAIL 8/E800
- C. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL GRADE TO TOP OF CONDUIT.
- D. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.

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PLOT DATE: 10/17/2022 12:26:11 PM

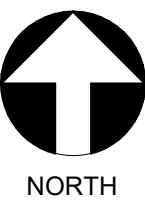
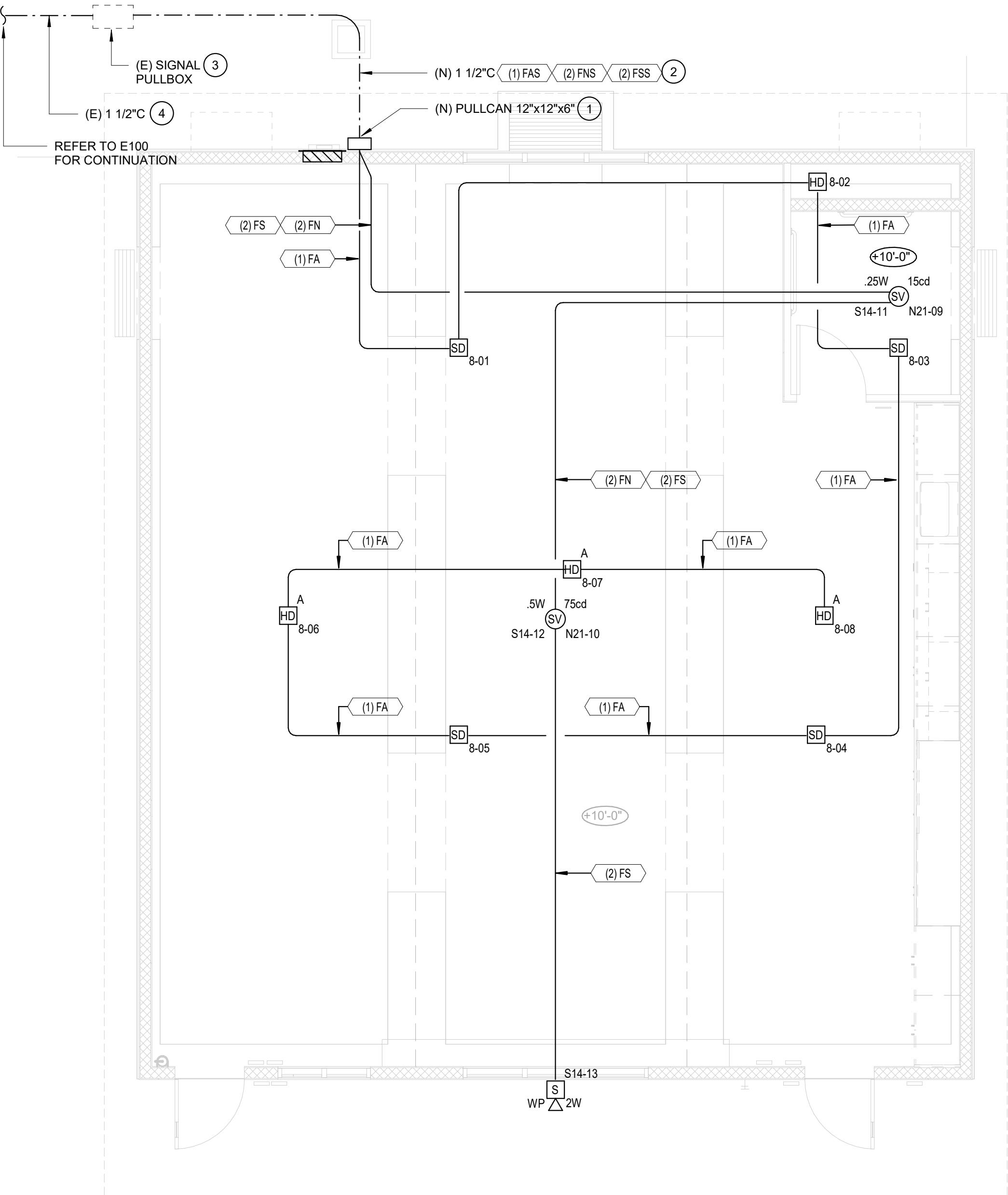
POWER PLAN - BUILDING 800

1/4" = 1'-0" 1



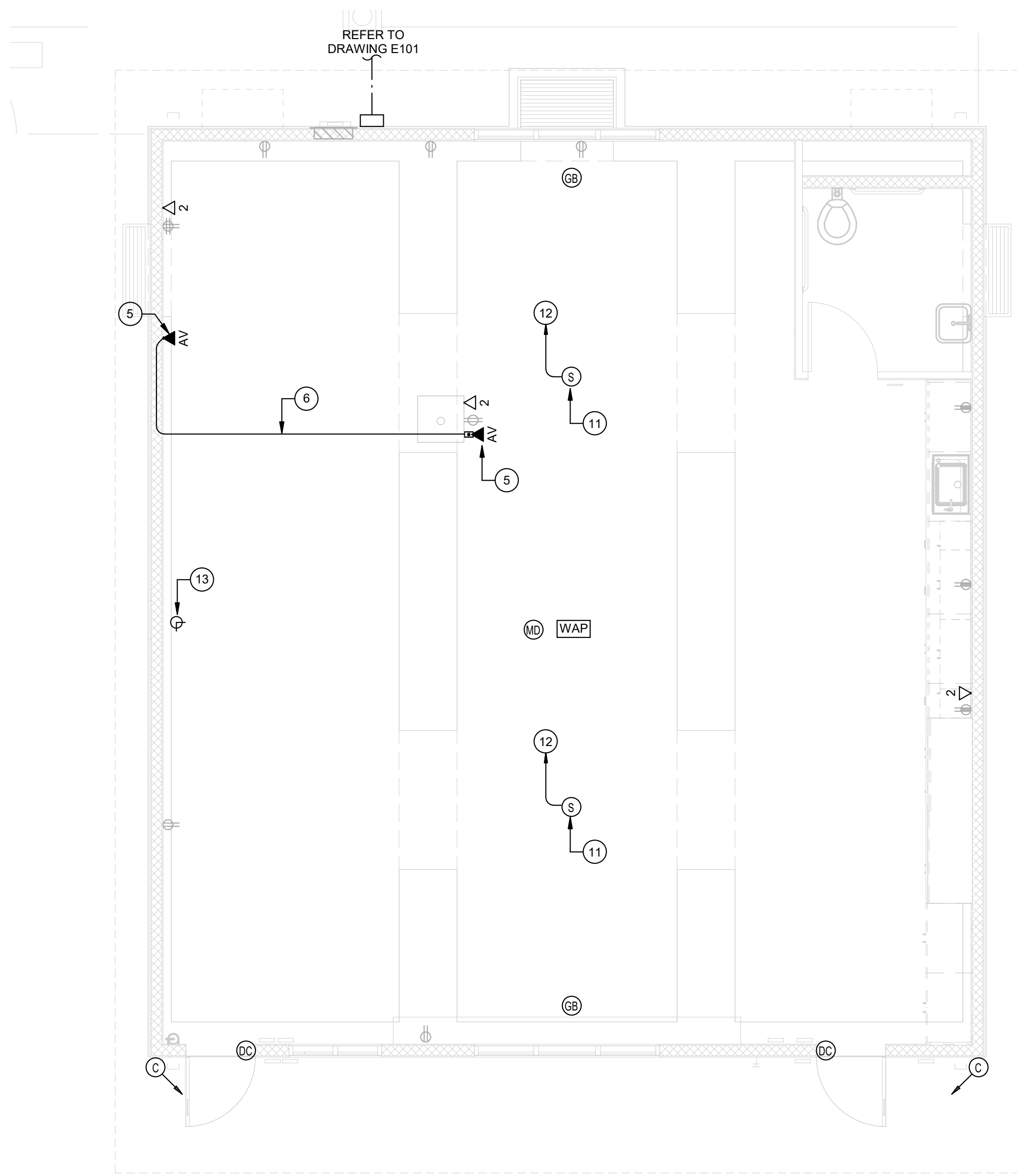
FIRE ALARM FLOOR PLAN - BUILDING 800

1/4" = 1'-0" 3



SIGNAL FLOOR PLAN - BUILDING 800

1/4" = 1'-0" 2



## KEYNOTES

- 1 PROVIDE 12" x 12" x 6" WEATHERPROOF PULL CAN MOUNTED BELOW OVERHEAD NEW PORTABLE.
- 2 ONE 1 1/2"C, ONE TYPE 'FAS' CABLE, TWO TYPE 'FNS' CABLE, AND TWO TYPE 'FSS' CABLE BETWEEN EXTERIOR SIGNAL PULLCANS.
- 3 (E) SIGNAL PULLBOX.
- 4 (E) 1 1/2"C, PROVIDE NEW ONE TYPE 'FAS' CABLE, TWO TYPE 'FNS' CABLE, AND TWO TYPE 'FSS' CABLE BETWEEN (E) SIGNAL PULLCAN ON NORTH WALL BUILDING 200 AND (E) SIGNAL PULLBOX.
- 5 PROVIDE 2-GANG OUTLET BOX WITH 1-GANG RING IN FLUSH BOX FOR A/V OUTLET. PROVIDE FACEPLATE WITH COMPONENTS. PROVIDE ONE 1-1/2" CONDUIT TO ACCESSIBLE ATTIC SPACE.
- 6 PROVIDE ONE HDMI CABLE + ONE AUXILIARY AUDIO CABLE AND ONE USB-C CABLE BETWEEN A/V OUTLETS.
- 7 PROVIDE FLUSH CEILING MOUNTED DUPLEX RECEPTACLE. LOCATED WITHIN 18" OF PROJECTOR MOUNTING PIPE. PROVIDE BRANCH CIRCUIT TO POWER PANEL AND ONE 20A, 1-POLE CIRCUIT BREAKER.
- 8 PROVIDE GROUNDING LUGS ON BOTH SIDES OF RIGID METAL BEAMS AND BOND SECTIONS OF RELOCATABLE BUILDING TOGETHER WITH 1#6 CU BONDING JUMPER.
- 9 BOND METAL HANDRAIL TO GROUNDING ELECTRODE SYSTEM WITH 1#6 CU BONDING JUMPER.
- 10 PROVIDE GROUNDING ELECTRODE SYSTEM AT RELOCATABLE BUILDING PER DETAIL 9/E800.
- 11 PROVIDE (N) INTERCOMMUNICATION SYSTEM SPEAKER FLUSH IN CEILING WITH T-BAR BRIDGE.
- 12 PROVIDE ONE TYPE 'S' CABLE BACK TO SIGNAL PULLCAN.
- 13 PROVIDE ANALOG 12" ROUND WIRELESS CLOCK, AMERICAN TIME #E56BAND3-04.

## SIGNAL LEGEND

- ⊕ CLOCK FLUSH IN WALL
- ▽ DATA OUTLET
- AV AV OUTLET WITH HDMI, USB-C AND AUXILIARY AUDIO OUTLETS
- WAP WIRELESS ACCESS POINT LOCATION
- C EXTERIOR SECURITY CAMERA ROUGH-IN ONLY
- MD SECURITY SYSTEM MOTION DETECTOR ROUGH-IN ONLY
- GB SECURITY SYSTEM GLASS BREAK DETECTOR ROUGH-IN ONLY
- DC INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT

## TELECOMMUNICATION CABLING NOTES

- A CABLES FOR TELECOMMUNICATION OUTLETS SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS.
- B EACH TELECOMMUNICATION CABLE SHALL BE HOMERUN FROM THE TELECOMMUNICATION OUTLET TO A PATCH PANEL LOCATED IN THE TELECOMMUNICATION ROOM.
- C TELECOMMUNICATION CABLES SHALL BE NEATLY BUNDLED WITH VELCRO STRAPS AT 36" O. C.
- D TELECOMMUNICATION CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS WITHIN THE ACCESSIBLE ATTIC SPACE WHERE THEY ARE NOT WITHIN CONDUIT OR SUPPORTED ON CABLE TRAY.
- E TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE AND ON MODULAR JACKS AT THE TELECOMMUNICATION OUTLETS.
- F TELECOMMUNICATION CABLE SERVING WIRELESS ACCESS POINTS SHALL BE TERMINATED WITH PLUG TYPE CONNECTORS AT THE LOCATION OF THE WIRELESS ACCESS POINT.

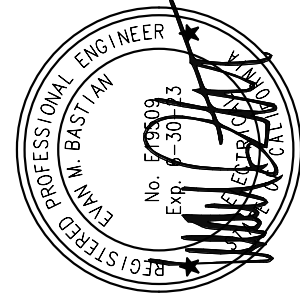
## FIRE ALARM CONDUIT RUN LEGEND

- (1) FA ONE 3/4"C, WITH ONE TYPE 'FA' CABLE
  - (1) FS ONE 3/4"C, WITH ONE TYPE 'FS' CABLE
  - (1) FN+(1) FS ONE 3/4"C, WITH ONE TYPE 'FN' CABLE + ONE TYPE 'FS' CABLE
  - (2) FS ONE 3/4"C, WITH TWO TYPE 'FS' CABLE
  - (2) FN+(2) FS ONE 3/4"C, WITH TWO TYPE 'FN' CABLE + TWO TYPE 'FS' CABLE
- NOTE: REFER TO DRAWING 16/E800 FOR SIGNAL CABLE LEGEND.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

For L&P separately  
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MARK	DATE	DESCRIPTION	DSA OTC RE-SUBMITTAL
C	10/17/22	DSA OTC RE-SUBMITTAL	



**TETER, LLP**  
FRESNO HEADQUARTERS  
VISALIA BAKERSFIELD TULARESTO VISALIA  
ARCHITECTS ENGINEERS CONNECTED



UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308  
DRAWING TITLE  
ELECTRICAL PLANS - BUILDING 800

PROJECT NO.  
22-12390  
DRAWING  
**E200**

FIRE ALARM SYSTEM DESCRIPTION	
<p>THE FIRE ALARM SYSTEM DESCRIBED BY THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS IS A MANUAL AND AUTOMATIC SYSTEM WITH VOICE EVACUATION. THIS SYSTEM UTILIZES SMOKE DETECTORS ON CEILINGS AND THE ROOMS HOUSING THE FIRE ALARM SYSTEM EQUIPMENT WITH THE FIRE SPRINKLERS BUILDINGS 100, 600 AND 700. FIRE SPRINKLERS SHALL BE INSTALLED IN AREAS IN CLASS B HEAT DETECTORS IN BUILDINGS 100, 600 AND 700. HEAT DETECTORS SHALL BE CLASSIFIED IN ATTACHED BUILDINGS TO PROVIDE BUILDING DETECTION. THE SYSTEM IS ADDRESSABLE AND IS WIRED CLASS 2 WITH THE BUILDINGS AND GLASS B BETWEEN BUILDINGS.</p>	
FIRE ALARM APPROVAL	
<p>THE FIRE ALARM SYSTEM DESIGN IS A COMPLETE PLAN SUBMITTAL PER DSA FIRE ALARM SUBMITTAL GUIDELINES. THE CONTRACTOR SHALL INSTALL THE SYSTEM AS SHOWN AND AS HEREN SPECIFIED. IF ANY SUBSTITUTION OF FIRE ALARM EQUIPMENT IS TO BE REQUESTED, SUCH REQUEST SHALL BE MADE A MINIMUM OF TWO WEEKS PRIOR TO PROJECT BID DATE. THE CONTRACT SHALL BE VOIDED IF THE CONTRACTOR REQUESTS A SUBSTITUTION PER THE DSA GUIDELINES AND SHALL BE MADE. ALL ADDITIONAL COSTS REQUIRED TO ACCOMMODATE REVIEW OF THE SUBSTITUTED FIRE ALARM SYSTEM BY DSA, WHETHER OR NOT SUCH APPROVAL IS GIVEN, THE CONTRACTORS' SUBMITTAL SHALL INCLUDE MANUFACTURERS CATALOG OUT SHEETS AND CATALOG INFORMATION FOR THE ORIGINAL COMPONENTS COMPRISING THE SUBSTITUTED FIRE ALARM SYSTEM. BATTERY LOAD CALCULATIONS AND VOLTAGE DROP CALCULATIONS FOR EACH SIGNALING CIRCUIT.</p>	
APPLICABLE CODES AND STANDARDS	
<p>2019 California Administrative Code (CAC), Part 1, Title 24 CCR          2019 California Building Code (CBC), Part 1, Title 24 CCR          (2018 International Building Code), Part 1, 8.2 and 2019 California amendments)          2019 California Electrical Code (CEC), Part 3, Title 24 CCR          2017 National Electrical Code and 2019 California Amendments)          2019 California Mechanical Code (CMC), Part 4, Title 24 CCR          2018 (APFMO Union Mechanical Code and 2019 California amendments)          2019 California Plumbing Code (CPC), Part 6, Title 24 CCR          2018 (APFMO Union Plumbing Code and 2019 California amendments)          2019 California Energy Code (CEC), Part 6, Title 24 CCR          2019 California Fire Code (CFC), Part 7, Title 24 CCR          (2018 International Fire Code and 2018 California Amendments)          2019 California Existing Building Code (CEBC), Part 10, Title 24 CCR          2019 International Existing Building Code and 2019 California Amendments)          2019 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR          2019 California Referenced Standards Code, Part 12, Title 24 CCR          Title 19 CCR, Public Safety, State Fire Marshal Regulations          2016 ASME A17.1/CSA B44-16 Safety Code for Elevators and Escalators (per 2019 CBC Part 2 Ch 35)          Note: AIA: I/COSA Elevator Unit enforces CCR Title 6 and uses the 2004 ASME A17.1 at 2003</p>	
PARTIAL LIST OF APPLICABLE STANDARDS	
NFPA 13 Standard for the Installation of Sprinkler Systems <b>(CA amended)</b>	2016 Edition
NFPA 14 Standard for the Installation of Standpipe and Hose Systems <b>(CA amended)</b>	2016 Edition
NFPA 17 Standard for Dry Chemical Extinguishing Systems	2017 Edition
NFPA 20 Standard for the Installation of Stationary Pumps for Fire Protection	2017 Edition
NFPA 22 Standard for Water Tanks for Private Fire Protection	2016 Edition
NFPA 24 Standard for the Installation of Private Fire Service Mains and Their Appurtenances <b>(CA amended)</b>	2013 Edition
NFPA 72 National Fire Alarm and Signaling Code <b>(CA amended);</b>	2016 Edition
NFPA 80 Standard for Fire Doors and Other Opening Protective Equipment	2016 Edition
UL 300 Standard for Clean Agent Fire Extinguishing Systems <b>(CA amended)</b>	2015 Edition
UL 300 Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial and Industrial Equipment	2005 (R2010)
UL 464 AUDIO SIGNAL DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INDOOR	(2003 EDITION)
UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	(1999 EDITION)
UL 1641 ULTIMATE POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)	2005 EDITION
UL 1971 SIGNALING DEVICES FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	(2002 R2012)
See California Building Code, Chapter 35, for all California amendments to the NFPA Standards.	

FIRE ALARM SYSTEM EQUIPMENT LEGEND	
SYMBOL	DESCRIPTION
(E) FACP	FIRE ALARM CONTROL PANEL - HOCHIKI FIRE NET #FN-4127 WITH 31 0H BATTERIES AND AUTOMATIC CHARGING SYSTEM C.S.F.M. #7165-04101159 (DSAR Q3-11597)
(E) FACP-MP	VOICE EVACUATION MASTER CONTROL PANEL - HOCHIKI #FN-MP WITH 7.0 H BATTERIES AND AUTOMATIC CHARGING SYSTEM C.S.F.M. #8911-041010175 (DSAR Q3-11597)
(E) EVAC-DP	VOICE EVACUATION DISTRIBUTED CONTROL PANEL - HOCHIKI #FN-VDP WITH 7.0 H BATTERIES AND AUTOMATIC CHARGING SYSTEM C.S.F.M. #8911-041010175 (DSAR Q3-11597)
(E) FAPB-200	FIRE ALARM BOOSTER PANEL - HOCHIKI #FN-642-ULADA 2VDC C.S.F.M. #7165-04101166 (DSA R03-11623)
(E) ANN	NETWORK ANNUNCIATOR - HOCHIKI #FN-LCD-N C.S.F.M. #7120-04101165
(SD)	SMOKE DETECTOR - CEILING MOUNTED HOCHIKI HALK-B #YBN-NA54-A BASE C.S.F.M. #7270-041010173 / BASE C.S.F.M. #7300-041010132
(HD)	HEAT DETECTOR - CEILING MOUNTED - 135F FIXED TEMP. HOCHIKI HOCHIKI #EA-EA C.S.F.M. #7270-041010203 & #YBN-NA54-A BASE C.S.F.M. #7300-041010132
(HD) A	HEAT DETECTOR - ATTIC MOUNTED - 160F FIXED TEMP. HOCHIKI #EA-EA C.S.F.M. #7270-041010203 & #YBN-NA54-A BASE C.S.F.M. #7300-041010132
(SX)	LOW PROFILE SPEAKER/ROSE CEILING MOUNTED (XX REPRESENTS CAVENDISH) - GENETEX #RSC2PK/RCAL C.S.F.M. #7320-0569910137
2W (S) K	VOICE EVACUATION SYSTEM SPEAKER, OUTDOOR GENETEX #WSSKR C.S.F.M. #7320-0569910141
(E) EOL	(E) END OF LINE RESISTOR SYSTEM SENSOR REOL-R1 C.S.F.M. #7300-165310103

FIRE ALARM MONITORING NOTE	
<p>AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY CFC CHAPTER 47. THE SUPERVISING STATION SHALL BE USED AS EITHER LUXF OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISING STATIONS SHALL BE MAINTAINED BY THE ALARM SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.</p>	
<p><b>FIRE WATCH NOTE</b></p>	
A.	THE CONTRACTOR SHALL PROVIDE A 24-HOUR FIRE WATCH EACH DAY THAT THE CAMPUS IS OCCUPIED UNTIL THE FIRE ALARM SYSTEM IS FULLY OPERATIONAL, AND THE FIRE ALARM SYSTEM RECORD OR COMPLETION HAS BEEN SUBMITTED TO THE AUTHORITY HAVING JURISDICTION. ALL COSTS OF THE FIRE WATCH SHALL BE BORNE BY THE CONTRACTOR.
B.	UPON TAKING THE EXISTING FIRE ALARM SYSTEM OUT OF OPERATION, THE CONTRACTOR AND OWNER SHALL DESIGNATE AN IMPAIRMENT COORDINATOR PER CFC SECTION 901.7.1. THE IMPAIRMENT COORDINATOR SHALL VERIFY THAT ALL OF THE PROCEDURES REQUIRED BY CFC SECTION 901.7.1 HAVE BEEN IMPLEMENTED PRIOR TO PLANNED SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM AND FOLLOW THE REQUIREMENTS OF CFC 901.7.1 IN THE EVENT OF AN EMERGENCY SHUTDOWN OF THE FIRE ALARM SYSTEM. THE LOCAL FIRE ALARM SYSTEM SHALL BE NOTICED PRIOR TO ANY SHUTDOWN OF THE FIRE ALARM SYSTEM.

## FIRE ALARM GENERAL NOTES

1. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATERTIGHT FITTINGS. (CFC 90.11 AND CEC 300.6)
2. OUTLETS ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SPACING OF TWO FEET.
3. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL AS FOLLOWS:
  - a. PULL STATION - OPERABLE PART OF A MANUALLY ACTIVATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 47" FROM FINISHED FLOOR, AND TOP OF BOX SHALL NOT BE MORE THAN 48" FROM FINISHED FLOOR. (CFC 118.306.11, NFPA 72 7.4.1.6)
  - b. INTERIOR AUDIBLE NOTIFICATION APPLIANCE - AT LEAST 90" TO THE TOP OF DEVICE ABOVE FINISHED FLOOR AND NOT LESS THAN 4" BELOW FINISHED CEILING. (NFPA 72 7.4.8.1)
  - c. RECALL AND TESTED DEVICES OF SPASHER/STROBE - AT LEAST 90" TO BOTTOM OF LENS AND NOT GREATER THAN 90" TO TOP OF LENS ABOVE FINISHED FLOOR. (NFPA 72 7.8.5.1)
4. AUDIBLE SIGNAL DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE 90 LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY AT LEAST 15 DBA ABOVE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT TEN FEET, OR MORE THAN 110 DBA IN TOTAL. (NFPA 72 18.4.3.1, 18.4.1 AND CFC 907.5.2.1)
5. AMBIENT NOISE LEVELS SHALL BE CONSIDERED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL, OPERATIVE OR WORKING CONDITIONS. (CFC 907.5.2.1)
6. AUDIBLE DEVICES SHALL SOUND THE A UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE, PROVIDE AT LEAST ONE EXTERIOR AUDIBLE DEVICE ON BUILDING FOR E OCCUPANCIES. (CFC 907.5.2.1)
7. EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHALL COMPLY WITH CFC 907.2.3 AND NFPA 72 24.4.2
8. VISUAL DEVICES SHALL NOT EXCEED TWO FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN ONE FLASH EVERY SECOND. (NFPA 72 8.5.3.1)
9. AUTOMATIC SMOKE DETECTION SHALL BE PROVIDED AT THE LOCATION OF EACH FIRE ALARM CONTROL UNIT, NOTIFICATION APPLIANCE, CIRCUIT POWER EXTERIOR AND SUPERVISING STATION TRANSMITTING EQUIPMENT TO PROVIDE NOTIFICATION OF FIRE AT THAT LOCATION. (NFPA 72 10.4.4)
10. BRANCH CIRCUITS PROTECTING FIRE ALARM EQUIPMENT SHALL BE LABELED PER NFPA 72 10.6.5.2.2 AND SHALL INCLUDE A LISTED CIRCUIT BREAKER/LOOKING DEVICE PER NFPA 72 10.6.5.4
11. COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING, ALARM, DEVICES AND APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER, SCHOOL, DISTRICT, ARCHITECT, LOCAL FIRE AUTHORITY, AND VSA AS THE PROJECT INSPECTOR. TESTING OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND VSA. THE RECORD OF COMPLETION (OR) FINAL TEST SHALL INCLUDE READ OUT DERIVATION FROM CENTER STATION.
12. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, MAINTAINED AND ADJUSTED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CFC 907.8.5, NFPA 72 14.1.1, NFPA 72 14.5)

SB575 - GREEN OAKS FAMILY ACADEMY ELEMENTARY SCHOOL FIRE PROTECTION  
ACT REQUIREMENTS FOR AUTOMATIC FIRE ALARM SYSTEMS

THE FIRE DETECTION AND ALARM SYSTEM FOR THE AREAS AND/OR BUILDINGS WITHIN THE SCOPE OF WORK OF THIS PROJECT:

☒ COMPLIES WITH SB575

☒ A FULLY-AUTOMATIC SYSTEM HAS BEEN DESIGNED FOR ALL AREAS OR

☐ THE AREAS AND/OR BUILDINGS ARE SPRINKLERED ABOVE THE CEILING, SO HEAT DETECTORS ARE EXEMPTED FROM ABOVE-CEIL AREAS. THE SYSTEM IS OTHERWISE FULLY AUTOMATIC.

☒ AN AUTOMATIC DIALER TO A UL-APPROVED CENTRAL STATION:

☒ IS EXISTING, OR

☐ IS INCLUDED AS PART OF THIS PROJECT.

☐ IS EXEMPT FROM SB575

☐ THE TOTAL PROJECT CONSTRUCTION VALUE IS LESS THAN \$200,000, OR

☐ THE PROJECT CONSISTS OF ONLY MODULAR BUILDINGS WHICH ARE TEMPORARY. THESE BUILDINGS SHALL BE REMOVED NO MORE THAN THREE YEARS FROM THE INSTALLATION DATE UNLESS A THREE-YEAR EXTENSION IS APPROVED BY OSA, OR

☐ THE PROJECT IS NOT FUNDED UNDER CHAPTER 12.5 OF THE LEROY F. GREEN SCHOOL FACILITIES ACT. IT WILL BE 100% FUNDED BY LOCAL FUNDS.

**SB575**

Diagram illustrating the installation requirements for a smoke detector, manual pull station, and fire alarm pull station relative to the finish ceiling and floor.

**Smoke Detector Installation:**

- Smoke detector (S) shall be installed at a minimum of 36" from supply and return grilles and shall not be located in direct airflow.
- Smoke detector (S) shall be installed at a minimum of 12" MIN. to 15" MAX. from the finish ceiling.

**Manual Pull Station Installation:**

- The top of a wall-mounted audible device shall be at least 6' below finish ceiling and where ceiling height is at least 9'-0", at least 90" A.F.F.

**Fire Alarm Pull Station Installation:**

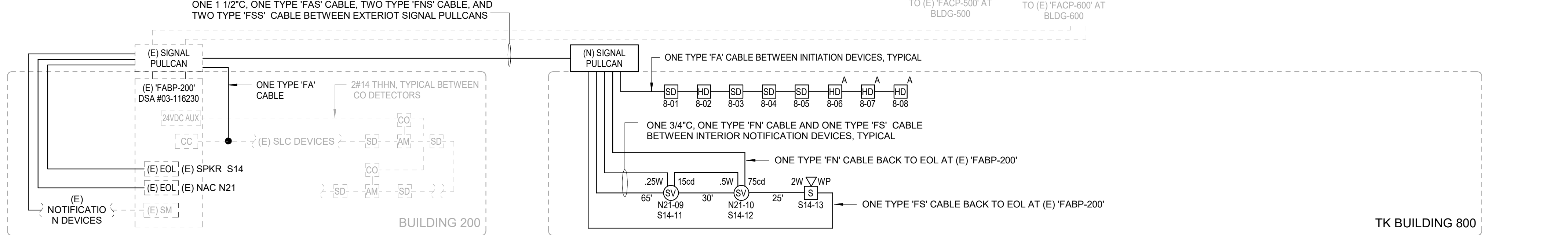
- The bottom of a wall-mounted audiovisual and visual devices shall be at least 80" A.F.F. to bottom of lens and no more than 96" A.F.F. to top of lens or 6' below ceiling - whichever is less.
- Visual device shall be at least 96" MAX to top of lens.
- Fire alarm pull station (F) shall be at least 48" to top of box.

FIRE ALARM CODES AND NOTES	6
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## FIRE ALARM DEVICE ELEVATIONS

FIRE ALARM SYSTEM OPERATIONAL MATRIX						
DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMOKE DAMPER, OR ACTIVATE SMOKE VENT RELEASE	SHUTDOWN HVAC EQUIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION	RELEASE MAGNETICALLY HELD DOORS AND FIRE RATED COILING DOORS
FIRE ALARM PANEL SYSTEM TROUBLE						
SMOKE DETECTOR	✗	✗		✗	✗	✗
HEAT DETECTOR	✗			✗	✗	✗

## FIRE ALARM OPERATIONAL MATRIX



# FIRE ALARM RISER DIAGRAM

(E) FIRE ALARM CONTROL PANEL 'FACP-100' BATTERY POWER CALCULATIONS						
QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT/ DEVICE	STANDBY CURRENT	ALARM CURRENT/ DEVICE	ALARM CURRENT
	FACP	Hochiki FireNET 4127 Control Panel				
1	FACP	Hochiki FireNET 4127 Control Panel	0.3500	0.3500	0.6200	0.6200
1	NIC	Hochiki Network Card P/N: F4127-NIC	0.0600	0.0600	0.0600	0.0600
1	DAC	Hochiki Digital Alarm Communicator P/N: FN-DAC	0.0200	0.0200	0.0200	0.0200
2	AVSM	Gentex Synchron Control Module #A5X4	0.0000	0.0000	0.0370	0.0740
	(E)-INIT	INITIATION DEVICES IN BUILDING 200				
16	H-SD	Hochiki Photoelectric Smoke Sensor #ALK-V	0.0004	0.0062	0.0008	0.0128
7	H-HD	Hochiki Heat Sensor #ATJ-EA	0.0004	0.0025	0.0005	0.0035
3	A-HD	Hochiki Heat Sensor AHC mounted #ATJ-EA	0.0004	0.0010	0.0005	0.0015
1	H-R	Hochiki Relay Module #R2M	0.0003	0.0003	0.0004	0.0004
2	H-AM	Hochiki Addressable Monitor Module HOCHIKI #DCP-DIMM	0.0006	0.0011	0.0007	0.0013
	H-INIT	Hochiki Initiation Devices				
64	H-SD	Hochiki Photoelectric Smoke Sensor #ALK-V	0.0004	0.0025	0.0008	0.0512
13	H-AM	Hochiki Addressable Monitor Module HOCHIKI #DCP-DIMM	0.0006	0.0072	0.0007	0.0086
1	H-FCR	ADDRESSABLE CONTROL RELAY/HOCHIKI #DCP-R2M	0.0004	0.0004	0.0004	0.0012
1	CHD	CONVENTIONAL DETECT SMOKE DETECTOR SYSTEM SENSOR #HD4120	0.0710	0.0450	0.0450	0.1950
4	H-FR	Hochiki #DCP-AMS Manual Pull Station	0.0005	0.0005	0.0006	0.0024
	(N) INITIATION DEVICES IN BUILDING 800					
4	H-SD	Hochiki Photoelectric Smoke Sensor #ALK-V	0.0004	0.0015	0.0008	0.0032
1	H-HD	Hochiki Heat Sensor #ATJ-EA	0.0004	0.00035	0.0005	0.0005
3	A-HD	Hochiki Heat Sensor AHC mounted #ATJ-EA	0.0004	0.0015	0.0005	0.0015
	AUX	24VDC Auxiliary				
CO	System Sensor Conventional CO Detector #CO1224R		0.0200	0.1400	0.0400	0.3200
G-NAC	Gentex Notification Appliances					
8	GES15	Gentex Strobe 15cd Wall Mount #GES3-24WR	0.0000	0.0000	0.0030	0.2400
13	SPKW15	Gentex Speaker/Strobe 15cd Wall Mount #SPSK24WLP	0.0000	0.0000	0.0350	0.7150
4	SPKW30	Gentex Speaker/Strobe 30cd Wall Mount #SPSK24WLP	0.0000	0.0000	0.0700	0.2800
11	SPKW75	Gentex Speaker/Strobe 75cd Wall Mount #SPSK24WLP	0.0000	0.0000	0.1120	0.2320
2	SPKW110	Gentex Speaker/Strobe 110cd Wall Mount #SPSK24WLP	0.0000	0.0000	0.1360	0.2720
	TOTALS			0.7022		4.0864
TOTAL ALARM AMP-HOURS (15 MIN.) =			0.25	HR x 4.086	A	= 1.0216 A-H
TOTAL STANDBY AMP-HOURS (24 HR'S) =			0.24	HR x 0.702	A	= 16.8528 A-H
TOTAL REQUIRED AMP-HOURS =						= 17.8734 A-H
TOTAL DESIGN AMP-HOURS WITH 20% SAFETY FACTOR =						= 21.4483 A-H
BATTERY CAPACITY REQUIREMENTS						= 31.000 A-H

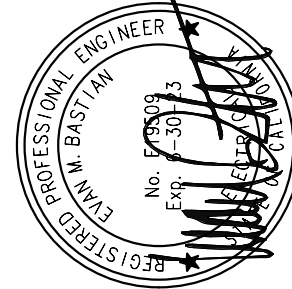
EXISTING FACP BATTERY CIRCUIT CURRENTS FROM DSA # 03-119797

(E) VOICE EVACUATION CONTROL PANEL 'EVAC-100' BATTERY POWER CALCULATIONS						
QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT/ DEVICE	STANDBY CURRENT	ALARM CURRENT/ DEVICE	ALARM CURRENT
		Voice Evacuation Control Panel				
1	FNVPD	Hochli FNV-DP Distributed Voice Evac Control Panel	0.1790	0.1790	0.2090	0.2090
	VOLTAGE	Fire Alarm System Notification Devices				
	70	Voice Evacuation System Speakers		SPEAKER WATTAGE		
(E) VOICE EVACUATION SPEAKERS IN BUILDING 200						
6	SPK-1/4W	Voice Evacuation Speakers (1/4W) GENTEX - SSPKWLP		1/4		0.0214
2	SPK-1/2W	Voice Evacuation Speakers (1/2W) GENTEX - SSPKWLP		1/2		0.0143
2	SPK-2W	Voice Evacuation Speakers (2W) GENTEX - SSPKWLP		2		0.0571
(E) VOICE EVACUATION SPEAKERS						
17	SPK-1/4W	Voice Evacuation Speakers (1/4W) GENTEX - SSPKWLP		1/4		0.0607
11	SPK-1/2W	Voice Evacuation Speakers (1/2W) GENTEX - SSPKWLP		1/2		0.0786
2	SPK-1W	Voice Evacuation Speakers (1W) GENTEX - SSPKWLP		1		0.0286
5	SPK-2W	Voice Evacuation Speakers (2W) GENTEX - SSPKWLP		2		0.1429
(N) VOICE EVACUATION SPEAKERS						
1	SPK-1/4W	Voice Evacuation Speakers (1/4W) GENTEX - SSPKWLP		1/4		0.0607
1	SPK-1/2W	Voice Evacuation Speakers (1/2W) GENTEX - SSPKWLP		1/2		0.0786
1	SPK-2W	Voice Evacuation Speakers (2W) GENTEX - SSPKWLP		2		0.1429
TOTALS				0.1790		0.8947
TOTAL ALARM AMP-HOURS (15 MIN.) =			0.25	HR x 0.895	A	= 0.2237 A-H
TOTAL STANDBY AMP-HOURS (24 HS) =			24	HR x 0.179	A	= 4.2960 A-H
TOTAL REQUIRED AMP-HOURS =						= 4.5197 A-H
TOTAL DESIGN AMP-HOURS WITH 20% SAFETY FACTOR =						= 5.4236 A-H
BATTERY CAPACITY REQUIREMENTS						7.000 A-H
TOTAL SPEAKER WATTAGE				=		21.750 W
REQUIRED AMPLIFIER WATTAGE (WITH 20% INSERTION LOSS FACTOR)				=		26.100 W

(E) FIRE ALARM BOOSTER PANEL 'FABP-200' BATTERY CALCULATIONS						
QTY.	DEVICE	DESCRIPTION	STANDBY CURRENT/ DEVICE	ALARM CURRENT	ALARM CURRENT/ DEVICE	ALARM CURRENT
[E] FABP CURRENT FROM DSA #03-116230						
1	[E] FABP	[E] DISTRIBUTED POWER MODULE	0.0750	0.1750		0.1750
6	[E] AV15	[E] 15cd AUDIBLE/VISUAL DEVICE		0.0660		0.3960
0	[E] AV30	[E] 30cd AUDIBLE/VISUAL DEVICE		0.0940		0.0000
2	[E] AV75	[E] 75cd AUDIBLE/VISUAL DEVICE		0.1580		0.3160
24 VDC Auxiliary						
2	[CO]	System Sensor Conventional CO Detector #CO1224R	0.0020	0.0400	0.0400	0.0800
(N) NAC DEVICES FOR (N) BUILDING 800						
1	SPK15	Genlex Speaker/Strobe 15cd CEILING Mount #5SPK24CLR		0.0720		0.0720
1	SPK75	Genlex Speaker/Strobe 75cd CEILING Mount #5SPK24CLR		0.1670		0.1670
TOTALS				0.1150		1.2060
TOTAL ALARM AMP-HOURS [15 MIN] =		0.25	HR x 1.206	A	=	0.3015 A-H
TOTAL STANDBY AMP-HOURS [24 HRS.] =		24	HR x 0.115	A	=	2.7600 A-H
TOTAL REQUIRED AMP-HOURS =					=	3.0615 A-H
TOTAL DESIGN AMP-HOURS WITH 20% SAFETY FACTOR =					=	3.6738 A-H
(E) BATTERY CAPACITY						7.000 A-H

(E) SPEAKER CIRCUIT VOLTAGE DROP #514 CALCULATION					
QTY.	DEVICE	DESCRIPTION	SPEAKER WATTAGE	ALARM CURRENT/ DEVICE	TOTAL ALARM CURRENT
(E) VOICE EVAC SPEAKERS IN BUILDING 200					
6	SPK-1/4W	(E) Voice Evac Speakers (1/4W)	1/4	0.0036	0.0214
1	SPK-1/2W	(E) Voice Evac Speakers (1/2W)	1/2	0.0071	0.0143
2	SPK-2W	(E) Weatherproof Voice Evac Speakers (2W)	2	0.0286	0.0571
TOTAL SPEAKER WATTAGE			6 1/2		
(N) VOICE EVAC SPEAKERS IN BUILDING 800					
1	SPK-1/4W	(E) Voice Evac Speakers (1/4W)	1/4	0.0036	0.0036
1	SPK-1/2W	(E) Voice Evac Speakers (1/2W)	1/2	0.0071	0.0071
1	SPK-2W	(E) Weatherproof Voice Evac Speakers (2W)	2	0.0286	0.0286
TOTAL (N) SPEAKER WATTAGE			2 3/4		
TOTAL CURRENT ADDED TO CIRCUIT			9.250		0.132
LENGTH OF WIRE FROM VCP TO LAST DEVICE (IN FEET) =					700
ACTUAL SIZE OF WIRE INSTALLED = 12 AWG					16510 CIRCULAR MILS
CALCULATED VOLTAGE DROP (IN VDC) =					0.121
SPEAKER CIRCUIT VOLTAGE					70 VDC
CIRCUIT VOLTAGE CALCULATED AT LAST DEVICE (IN VDC) =					69.9 VDC
PERCENT VOLTAGE DROP (%) =					0.17 %
VOLTAGE DROP FORMULA: VOLTAGE DROP = 2 X 10.8 x LENGTH OF CIRCUIT TO FARTHEST DEVICE x CURRENT WIRE SIZE IN C.M.					
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).					

(E) NAC #N21 VOLTAGE DROP CALCULATION						
QTY.	DEVICE	DESCRIPTION	ALARM CURRENT / DEVICE	TOTAL ALARM CURRENT		
6	[E] AV15	[E] 15cd AUDIBLE/VISUAL DEVICE	0.0660	0.3960		
0	[E] AV30	[E] 30cd AUDIBLE/VISUAL DEVICE	0.0940	0.0000		
2	[E] AV75	[E] 75cd AUDIBLE/VISUAL DEVICE	0.1580	0.3160		
(N) NAC DEVICES IN (N) BUILDING 800						
1	SPKC15	Genlex Speaker/Strobe 15cd CEILING Mount #SSPK24CLPR	0.0720	0.0720		
1	SPKC75	Genlex Speaker/Strobe 75cd CEILING Mount #SSPK24CLPR	0.1670	0.1670		
TOTAL CURRENT ADDED TO CIRCUIT			0.557	0.951		
LENGTH OF WIRE FROM RACP TO LAST DEVICE (IN FEET) = 350						
ACTUAL SIZE OF UNINSTALLED = 12 AWG 16510 CIRCULAR MILS						
CALCULATED VOLTAGE DROP (IN VDC) = 0.435						
CIRCUIT VOLTAGE CALCULATED AT						
LAST DEVICE (IN VDC) = 23.6 VDC						
PERCENT VOLTAGE DROP (%) = 1.81 %						
VOLTAGE DROP FORMULA:						
$\text{VOLTAGE DROP} = 2 \times 10.8 \times \text{LENGTH OF CIRCUIT TO FARTHEST DEVICE} \times \text{CURRENT}$						
WIRE SIZE IN C.M.						
COMPUTED WITH TOTAL CURRENT ON CIRCUIT AT MAXIMUM LENGTH (CLASS A CIRCUIT).						

[illegible]

**FRESNO HEADQUARTERS**  
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**ARCHITECTS ENGINEERS CONNECTED**



UNIVERSAL TK CLASSROOM  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA 93308

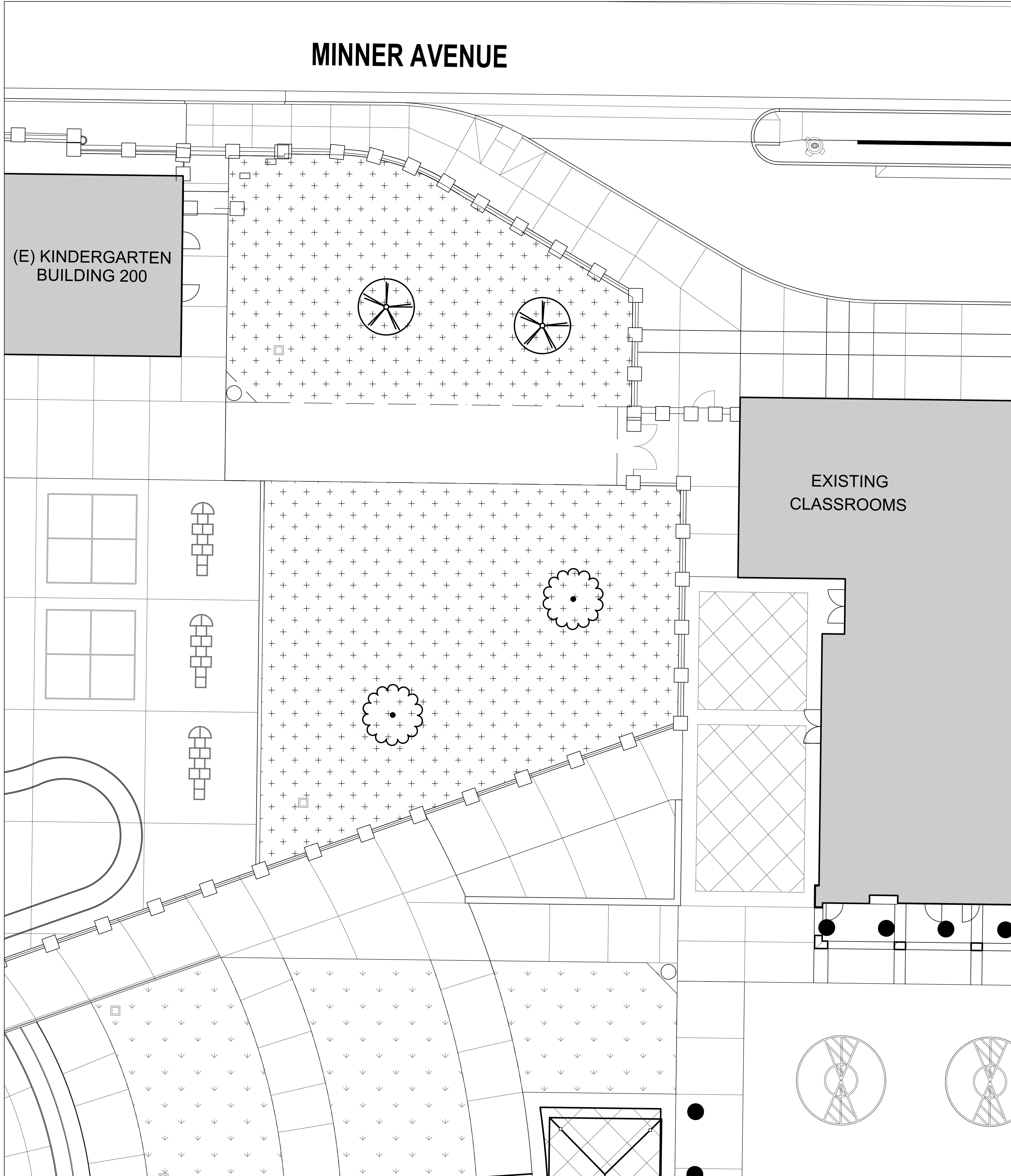
PROJECT NO.  
22-12390  
DRAWING

L7 10

**L710**



PLOT DATE: LANDSCAPE DEMOLITION PLAN



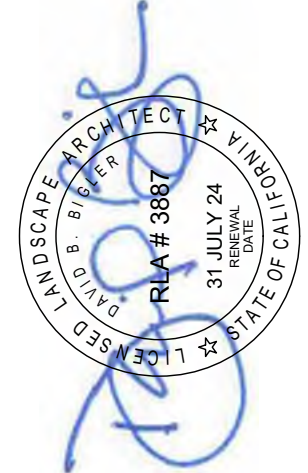
LANDSCAPE DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	Existing Tree to be Removed. Contractor is to remove the designated trees to include all vegetation, branches, trunk, stump and roots to a minimum depth of 24" below grade. Contractor is to fill any depressed areas with clean sandy topsoil and haul all debris off site at the contractors expense to and approved disposal site.
	Existing Tree to Remain & Protect. Limit compaction and disturbance within the tree drip line. Provide temporary water as required to maintain a healthy growth state.
	Existing Turf & Landscape Areas to Remain and Protect. The Contractor is responsible to replace any existing turf, plant materials or trees that are to remain and protect. Existing turf, plant material or trees that are damaged due to construction activities, vehicle damage, stress due to lack of water or other deterioration of the existing areas to remain are to be restored by the Contractor to the existing condition prior to the project at no additional cost to the District. This includes damage that may occur at any area of the campus. In disturbed areas, the Contractor is to fill and grade low and depressed areas with clean sandy topsoil and sod existing turf areas to match the adjacent existing turf. In shrub areas, after grading as described above, the Contractor is to repair any damage and replace any stressed or damaged plant material to match the existing. The Contractor is responsible for sodding over trenches and all disturbed turf areas due to any construction activities. Contractor is to maintain hydroseeded and repaired landscape areas until fully established and weed free, a minimum of 90 days or until accepted by the District.
	Existing Turf Demolition: Contractor is to remove existing turf areas after existing turf has been eradicated with approved chemical herbicide (3 applications min.) required. Contractor to irrigate existing turf to keep in healthy growth state. Herbicide applications are to be a minimum of 1 week apart. Contractor is to remove all vegetation and root mat where new landscaping is shown or other improvements are shown. Regrade Landscape areas 1" (Turf Areas) below adjacent concrete sidewalks and contour grades to insure positive drainage in areas. Contractor is to remove all vegetation, green waste and debris off site at no additional cost to the District. All landscape areas are to have a positive slope and the site is to be free draining with no standing water. See Site Grading Plan. Contractor is to field verify the extent of Landscape Demolition prior to bid.

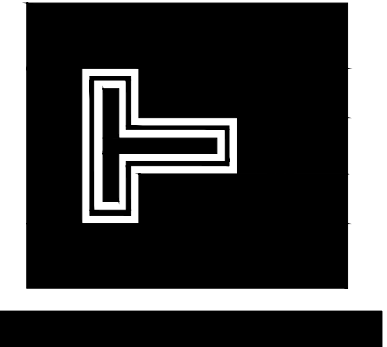
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

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MARK	DATE	DESCRIPTION
B	10/24/2022	DSA OTC



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UNIVERSAL TK  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKERSFIELD, CA  
DRAWING TITLE  
LANDSCAPE DEMOLITION PLAN

PROJECT NO.  
22-12390  
DRAWING  
L100

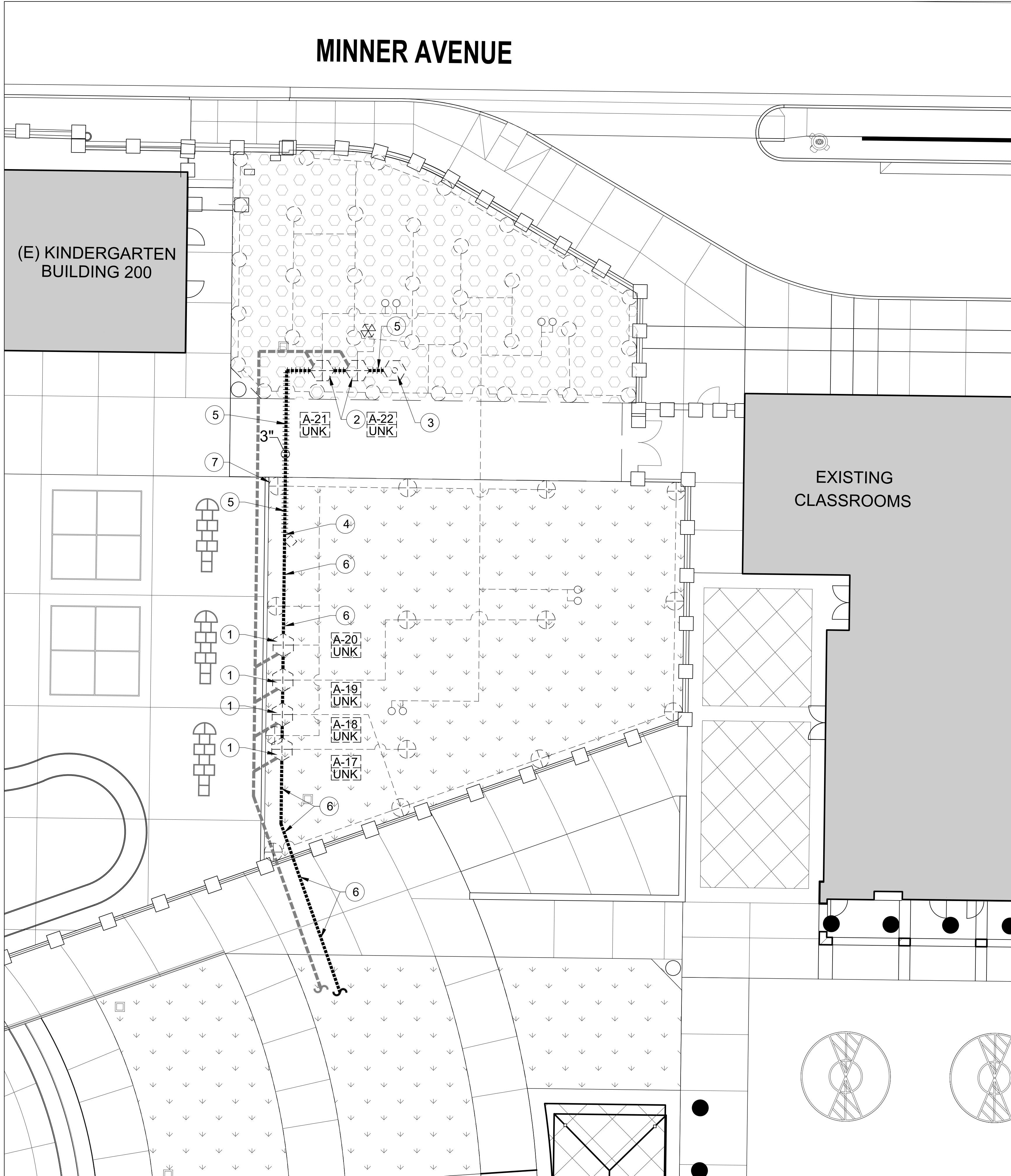


1" = 10'-0" 1



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MINNER AVENUE

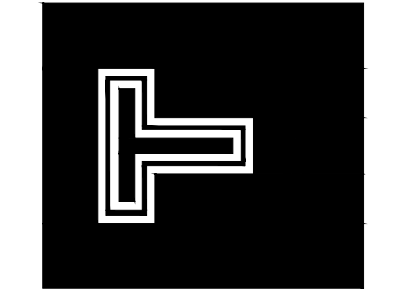
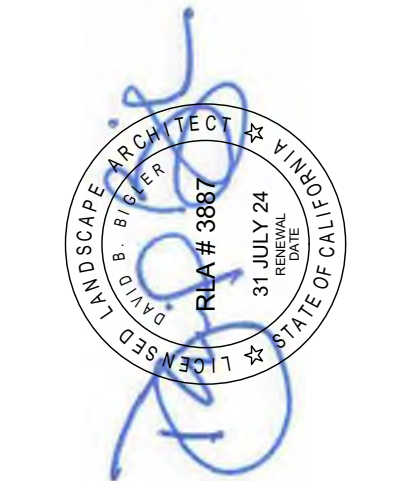


LANDSCAPE IRRIGATION DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	Existing Sprinklers to Remain & Protect, unless otherwise noted. See Key Notes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan L201 to determine if existing improvements are to be removed from service. Contractor to field verify.
	Existing Lateral Pipe to Remain & Protect. Modify as required for the project. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan L201 for additional information. Lateral piping being taken out of service is to be removed where it interferes with construction activities, or located below the proposed buildings, otherwise lateral piping may be abandoned below grade. Cap ends to abandon below grade where it is cut or damaged. Contractor to field verify.
	Existing Irrigation Mainline (Remain & Protect): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are to remain and protect and other sections are being taken out of service. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Plan L201 for additional information where new irrigation mainline will replace existing irrigation mainline pipe. Contractor to field verify.
	Existing Irrigation Mainline (Abandoned/Removed): Routing shown is diagrammatic. Contractor is to pot hole and field locate all relevant existing irrigation improvements that affect construction activities. Sections of the existing mainline pipe are being taken out of service. Mainline piping being taken out of service is to be removed where it interfere's with construction activities, or located below the proposed building, otherwise mainline piping may be abandoned below grade. Cap ends to abandon below grade where it is cut or damaged. Contractor is to field verify existing conditions prior to bid to determine the final extent of work. See Irrigation Plan L201 for additional information where new irrigation mainline will replace existing irrigation mainline pipe. Contractor to field verify.
	Existing Remote Control Valve to Remain & Protect, unless otherwise noted. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan, L201for additional information. Contractor to field verify.
	Existing Air Relief Valve to be Removed. Deliver salvaged air relief valve with brass nipples and other useable materials to District at the District's option. Any unwanted items are to be disposed of off site by the Contractor. See Keynotes and Landscape Irrigation Plan L201 for additional information. Contractor to field verify.
	Existing Quick Coupler Valve to Remain & Protect, unless otherwise noted. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan L201 for additional information. Contractor to field verify.
	Existing 2-wire grounding rod with ground wire to existing remote control valve A-22 to be removed. See Keynotes, Designated Irrigation Demolition Areas and Landscape Irrigation Plan L201 for additional information. Contractor to field verify.
	Existing Irrigation Controller # / Station # Gallons per minute (UNK - GPM is unknown on existing valves)
	Existing Base Line 2-wire path communication cable for the existing Elementary School Controller (Controller A). Sections of the existing communication cable are to remain and protect while other sections are being taken out of service (removed) in locations where the existing irrigation mainline is being removed. Contractor is to modify and extend the existing 2-wire path as shown on the Irrigation Plan L201 with all work in conformance with Baseline recommendations. See Irrigation Demolition Keynotes for additional information. Contractor to field verify.
	Existing Irrigation Improvements to Remain and Protect. All areas adjacent to the project area have existing Irrigation Improvements to Remain & Protect. Contractor is to repair all damage to existing improvements that are intended to remain & protect to match existing improvements. Damage may be a direct or indirect result of their work or may be caused by neglect. Contractor to field verify.
	Existing Irrigation Areas to be Removed. The Contractor is to remove existing sprinklers, valves and other irrigation improvements visible at the surface and below the ground under the proposed building in designated areas to receive new irrigation or other improvements and deliver salvaged parts, including, but not limited to sprinklers, valves, valve boxes etc., to the Campus Maintenance Department. Piping is to be removed where it interferes with construction activities or is located below a proposed building / structure, otherwise piping may be abandoned below grade. Where piping is brought to the surface, the Contractor shall cut it off a minimum of 12" below grade and capped. Depressions and holes that are created from removing existing irrigation improvements being replaced are to be filled with clean topsoil level with surrounding grade and compacted. Irrigation system and building water are to remain intact and operational.
	Controller 'A': Existing Baseline 2-wire Irrigation Controller to remain and protect. Contractor to field verify.
NOT SHOWN	Dashed symbols represent existing irrigation improvements to Remain & Protect unless otherwise noted or located in areas to receive new improvements or areas to have new irrigation installed. Existing locations are diagrammatic. Contractor is to field locate all existing improvements that may effect the work. Contractor to field verify.
	EXISTING REMOTE CONTROL VALVES AND IRRIGATION IMPROVEMENTS SHOWN ON THE PLAN ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE TO FIELD LOCATE ALL IMPROVEMENTS AND PERFORM THE WORK OUTLINED AS SHOWN ON THE PLANS. CONTRACTOR IS TO TRACE EXISTING WIRING, POT HOLE AND USE ALL REASONABLE MEANS TO FIELD LOCATE EXISTING IMPROVEMENTS.

IRRIGATION DEMOLITION KEY NOTES

- EXISTING REMOTE CONTROL VALVE TO REMAIN AND PROTECT AND MAINTAIN EXISTING CONTROLLER ASSIGNMENT. CONTRACTOR TO FIELD VERIFY.
- EXISTING IRRIGATION CONTROL VALVE AND FILTER TO BE REMOVED. CONTRACTOR IS TO FIELD LOCATE VALVE AND FILTER AND REMOVE BOTH AND MANIFOLD PIPE TO INCLUDE MAINLINE PIPE. DELIVER USABLE PARTS AND VALVE BOX TO DISTRICT. DISPOSE OF ALL REMOVED MATERIALS NOT WANTED BY DISTRICT OFF SITE AT NO ADDITIONAL COST TO DISTRICT. CONTRACTOR TO FIELD VERIFY.
- EXISTING AIR RELIEF VALVE TO BE REMOVED. CONTRACTOR IS TO FIELD LOCATE VALVE, REMOVE VALVE AND MANIFOLD PIPE TO INCLUDE MAINLINE PIPE. DELIVER USABLE PARTS AND VALVE BOX TO DISTRICT. DISPOSE OF ALL REMOVED MATERIALS NOT WANTED BY DISTRICT OFF SITE AT NO ADDITIONAL COST TO DISTRICT. CONTRACTOR TO FIELD VERIFY.
- IRRIGATION POINT OF CONNECTION: CONTRACTOR IS TO CONNECT NEW IRRIGATION MAINLINE PIPE TO EXISTING IRRIGATION MAINLINE PIPE TO REMAIN IN SERVICE AT THE LOCATIONS INDICATED. EXISTING MAINLINE PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE POINTS OF CONNECTION IN THE FIELD. SEE IRRIGATION PLAN L201 FOR ADDITIONAL INFORMATION. CONTRACTOR IS TO IDENTIFY EXISTING 2-WIRE PATH CONTROL WIRING THAT TRAVERSES THROUGH THE PROJECT AND IS TO SPLICE AND EXTEND IT ADJACENT TO THE NEW IRRIGATION MAINLINE PIPE. CONTRACTOR IS TO INSTALL NEW 2-WIRE PATH CONTROL WIRING TO NEW REMOTE CONTROL VALVES IN THE PROJECT AREA. CONTRACTOR TO FIELD VERIFY.
- EXISTING IRRIGATION MAINLINE PIPE TO BE REMOVED. CONTRACTOR IS TO REMOVE EXISTING MAINLINE PIPE WHERE IT IS LOCATED BELOW THE PROPOSED BUILDING OR INTERFERES WITH THEIR WORK. ALL OTHER LOCATIONS, THE EXISTING MAINLINE PIPE IS TO BE ABANDONED IN PLACE. CAP ALL OPENINGS AND OPEN ENDS OF THE ABANDONED PIPE. CONTRACTOR TO FIELD VERIFY.
- EXISTING IRRIGATION MAINLINE PIPE TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.
- EXISTING ROTOR SPRINKLER TO BE REMOVED, RELOCATED AND REPLACED. SEE LANDSCAPE IRRIGATION PLAN L201 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY.



MINNER AVENUE

(E) KINDERGARTEN  
BUILDING 200

UNIV. TK  
CL. RM.  
BLDG 800

EXISTING  
CLASSROOMS

LANDSCAPE PLANTING LEGEND

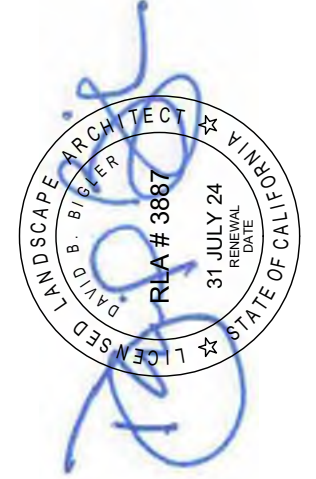
SYMBOL	SIZE	WATER USE	DESCRIPTION
	SOD	Moderate	Sodded Turf Area: 100% Celebration Bermudagrass Sod by AG Sod or approved equal. Contractor is to grade areas smooth and insure the site drains with no standing water and use big roll sod where possible. See specifications for sodding requirements. Contractor is to maintain sodded areas until fully established and weed free. Contractor is to field verify.
		Existing	Existing Turf & Landscape Areas to Remain and Protect. The Contractor is responsible to replace any existing turf, plant materials or trees that are to remain and protect. Existing turf, plant material or trees that are damaged due to construction activities, vehicle damage, stress due to lack of water or other deterioration of the existing areas to remain are to be restored by the contractor to the existing condition prior to the project at no additional cost to the District. This includes damage that may occur at any area of the campus. In disturbed areas, the Contractor is to fill and grade low and depressed areas with clean sandy topsoil and hydroseed existing turf areas to match the adjacent existing turf. In shrub areas, after grading as described above, the Contractor is to repair any damage and replace any stressed or damaged plant material to match the existing. The Contractor is responsible for sodding over trenches and all disturbed turf areas due to any construction activities. Contractor is to maintain sodded and repaired landscape areas until fully established and weed free, a minimum of 90 days or until accepted by the District.
	36" Box	Moderate	KOELREUTERIA paniculata, Goldenrain Tree, Standard Form.
		Existing	Existing Tree to Remain & Protect. Limit compaction and disturbance within the tree drip line. Provide temporary water as required to maintain a healthy growth state.

SEE TREE & SHRUB PLANTING DETAIL #26 ON PLAN SHEET L301

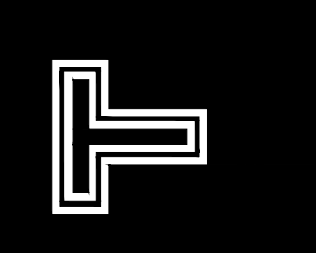
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

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MARK	DATE	DESCRIPTION
B	10/4/2022	DSA OTC

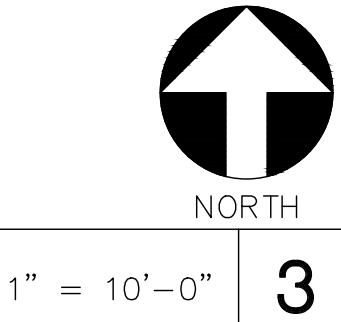


**TETER, LLP**  
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BAKERSFIELD, CA  
DRAWING TITLE  
LANDSCAPE PLANTING PLAN

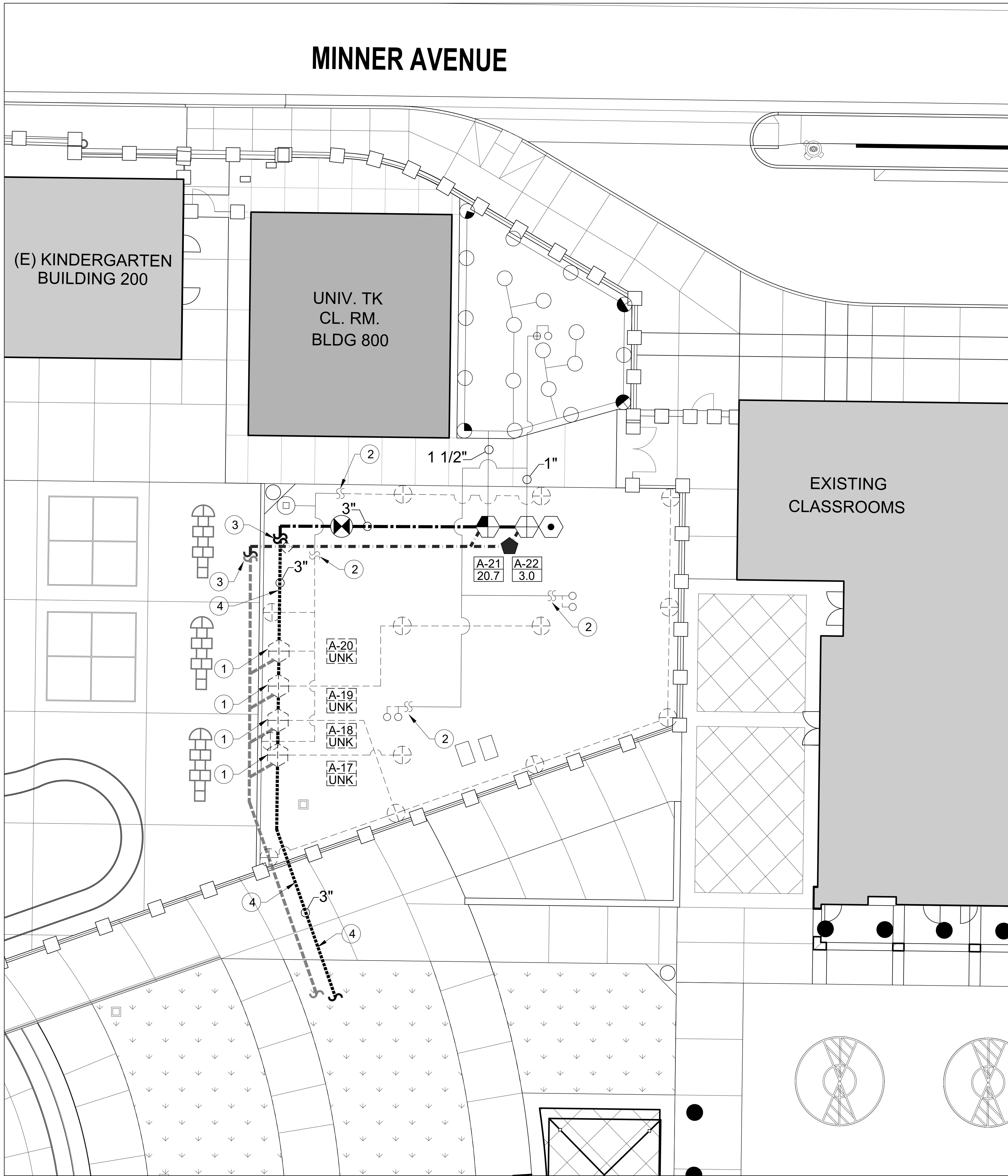
PROJECT NO.  
22-12390  
DRAWING  
L200



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PLOT DATE: \_\_\_\_\_

LANDSCAPE IRRIGATION PLAN



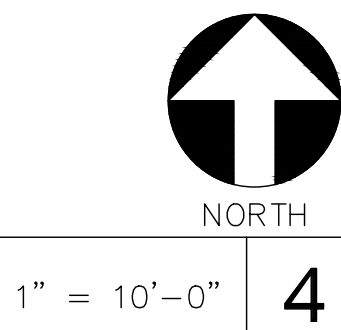
Water Usage Chart - MAWA vs. ETWU	
MAWA= (Et <sub>0</sub> ) x (0.62) x [(0.45 x LA) + (1.0 - 0.45) x SLA] = (57.9) x (0.62) x [(0.45 x 980) + (1.0 - 0.45) x 980] = 35,180 gallons per year	
Hydrozone #1 - SLA MAWA= (Et <sub>0</sub> ) x (0.62) x (SLA) = (57.9) x (0.62) x (980) = 35,180 gallons per year	
TOTAL ETWU (Sum of Hydrozone 1) = 35,180 gallons per year	
MAWA > ETWU 35,180 gallons > 35,180 gallons ✓	

Hydrozone (HZ)	Plant Water Use Req.	Plant Factor (PF)	Hydrozone Area (sq ft) (HA)	Zone or Valve Numbers	Irrigation Method	Percent of Landscape Area	Irrigation Efficiency (IE)
1	SLA	N/A	980	A-21 & A-22	Sprays	100%	N/A
Sum			980				

- LANDSCAPE IRRIGATION LEGEND**
- SYMBOL DESCRIPTION**
- Rainbird #1804-SAM-PRS-MSBN-50Q, 1800 Series pressure regulating, seal-a-matic, 4" pop-up sprinkler with Hunter PC Multi Stream Bubbler Nozzle. (1/2" inlet: 0.50 gpm @ 30 psi). Install on uphill side of plant or tree. See Installation Detail #01 on Plan Sheet L300
  - Rainbird #RWS-B-C-1402 with #1402 (0.5 gpm) bubbler Root Watering System. Install on uphill side of plant or tree. See Installation Detail #05 on Plan Sheet L300
  - Rainbird #1806-SAM-PRS, 6" Pop-up Sprinkler with Toro 12' radius pressure compensating Precision Series nozzles, O-12HP & O-12FP patterns. Contractor is to adjust arc and radius to prevent overspray onto buildings and other hardscaped surfaces. If nozzle radius adjustment required is greater than 25% of nozzle rating, the contractor is to substitute nozzle with 8', 10' or specialty pattern nozzle as required at no additional cost to Owner. Contractor is to review nozzle substitutions with Landscape Architect for comment, prior to installation. See Installation Detail #02 on Plan Sheet L300
  - Rainbird #1806-SAM-PRS, 6" Pop-up Sprinkler with Toro 15' radius pressure compensating Precision Series nozzles, O-15-QP & O-15TP patterns. Contractor is to adjust arc and radius to prevent overspray onto buildings and other hardscaped surfaces. If nozzle radius adjustment required is greater than 25% of nozzle rating, the contractor is to substitute nozzle with 10', 12' or specialty pattern nozzle as required at no additional cost to Owner. Contractor is to review nozzle substitutions with Landscape Architect for comment, prior to installation. See Installation Detail #02 on Plan Sheet L300
  - Hunter # I-20-06-SS-5.0, 6" pop up I-20 Series rotor sprinkler with part circle & full circle arc, stainless steel riser and check valve with #5.0 nozzle. (3/4" inlet: 5.0 gpm @ 45 psi). See Installation Detail #03 on Plan Sheet L300
  - 1" Rainbird #100-PESB-PRS-D, PESB Plus Series Electric Remote Control Valve. Contractor is to install a maximum of one valve per valve box. Inlet pipe is to be the same size as the outlet pipe noted on the plan. Contractor is to install line size filter on all precision spray & bubbler valves in separate valve box adjacent to each other. Filters are to be installed on discharge side of valve. See Installation Details #06 & #11 on Plan Sheet L300
  - 1 1/2" Rainbird #150-PESB-PRS-D, PESB Plus Series Electric Remote Control Valve. Contractor is to install a maximum of one valve per valve box. Inlet pipe is to be the same size as the outlet pipe noted on the plan. Contractor is to install line size filter on all precision spray & bubbler valves in separate valve box adjacent to each other. Filters are to be installed on discharge side of valve. See Installation Details #07 & #11 on Plan Sheet L300
  - 1" Crispin #C-10, Air and Vacuum Release Valve to be installed at high points and dead end runs of the mainline piping system. Install in a standard rectangular valve box. Contractor to field locate. See Installation Detail #13 on Plan Sheet L300
  - 2" thru 3": Nibco #T-113 IRR BHW, Bronze Gate Valve with Non-Rising Stem. Gate Valves are to be line size and installed in a 10" round valve box. Provide two (2) operating handles (4' min. length) for each type required to the District. See Installation Detail #15 on Plan Sheet L300
  - Controller # / Station #  
Gallons per minute
  - Existing Lateral Pipe to remain and protect. Contractor is to modify existing lateral pipes where it interferes with their work. All other locations, the existing lateral pipe is to remain and protect in place. Contractor to field verify.
  - Existing Irrigation Mainline Pipe to remain and protect. Contractor is to field verify existing conditions prior to bid to evaluate the extent of work. See Landscape Irrigation Plan for additional information where the existing irrigation mainline will remain and protect. See Keynotes and Landscape Irrigation Demolition Plan, L101 for additional information. Contractor to field verify.
  - 3/4" thru 2": PVC Class 200 Solvent Weld lateral pipe. Sleeve all pipe under paved surfaces over six feet wide with PVC Schedule 40 pipe a minimum of two times larger than the pipe being sleeved. One pipe per sleeve only. Minimum sleeve size is 2". Low voltage control wiring is to be sleeved separately from irrigation pipes. Size lateral pipes as noted on the plan and as outlined in the Lateral Pipe Sizing Chart, Detail #14 on Plan Sheet L300 for additional information. Pipe sizes shall not exceed a velocity of 5.0 feet per second. Install all PVC pipe in strict accordance with the manufacturers recommendations. See Installation Details #24 & #27 on Plan Sheet L301
  - 2" thru 3" PVC Schedule 40 SW Mainline Pipe. Mainline pipe fittings are to be PVC Schedule 80 solvent weld or threaded.
  - Size Mainline Piping as noted on the plan. Install all pipe in strict accordance with manufacturers instructions with concrete thrust blocks at all changes in direction. No bending, or curving of the pipe will be allowed, except as permitted by the pipe manufacturer. Pipe manufacturer must be approved prior to installation. Use mechanical joint restraints where concrete thrust blocks are not applicable, such as vertical changes in direction, or when two pipelines are side by side. See Installation Details #24, #25 & #27 on Plan Sheet L301
  - IRRIGATION COMMUNICATION CABLE: BASELINE 2-WIRE COMMUNICATION CABLE BILINE 14-2 (PAIGE 7072D Black & Red) installed in 1" electrical conduit along mainline pipe. See Installation Details #06 & #07 on Plan Sheet L300 & Details #16, #18 & #19 on Plan Sheet L301
  - Existing Base Line 2-wire path communication cable for the existing Elementary School Controller (Controller A) to remain and protect. Contractor is to splice and extend the existing 2-wire path as shown on the Irrigation Plan L201 with all work in conformance with Baseline recommendations. See Irrigation Demolition Keynotes for additional information. Contractor to field verify.
  - Baseline #BL-LA01 Lightning Arrestor, Two Wire Path Grounding. See Installation Details #16 & #18 on Plan Sheet L301
  - NOT SHOWN: Irrigation Controller 'A', Existing Baseline 2-Wire Controller for Elementary School campus to Remain & Protect. Contractor is responsible to make all programming updates to the existing irrigation controller for the changes made during the project. Irrigation control valves are being added and others are being deleted. Contractor is responsible for all data collection and programming as required. Programming changes and updates are to be made by a qualified programmer familiar with the Baseline system. Irrigation control system is to be automatic and function with active weather control at the completion of the project. Contractor to field verify.
  - Existing Irrigation Improvements to Remain and Protect. All areas adjacent to the project area have existing Irrigation Improvements to Remain & Protect. Contractor is to repair all damage to existing improvements that are intended to remain & protect to match existing improvements. Damage may be a direct or indirect result of their work or may be caused by neglect. Contractor to field verify.
  - Dashed symbols represent existing irrigation improvements to Remain & Protect unless otherwise noted or located in areas to receive new improvements or areas to have new irrigation installed. Existing locations are diagrammatic. Contractor is to field locate all existing improvements that may effect the work. Contractor to field verify.

IRRIGATION KEY NOTES

- EXISTING REMOTE CONTROL VALVE TO REMAIN AND PROTECT AND MAINTAIN EXISTING CONTROLLER ASSIGNMENT. CONTRACTOR TO FIELD VERIFY.
- CONTRACTOR IS TO CONNECT NEW LATERAL PIPE TO THE EXISTING LATERAL PIPE SUPPLYING THE EXISTING SPRINKLERS AS REQUIRED. CONTRACTOR TO MATCH THE SIZE OF THE EXISTING LATERAL PIPE. CONTRACTOR TO FIELD VERIFY.
- IRRIGATION POINT OF CONNECTION: CONTRACTOR IS TO CONNECT NEW IRRIGATION MAINLINE PIPE TO EXISTING IRRIGATION MAINLINE PIPE TO REMAIN IN SERVICE AT THE LOCATIONS INDICATED. EXISTING MAINLINE PIPE ROUTING IS DIAGRAMMATIC, AND CONTRACTOR IS TO FIELD LOCATE TO DETERMINE POINTS OF CONNECTION IN THE FIELD. SEE IRRIGATION DEMOLITION PLAN L101 FOR ADDITIONAL INFORMATION. CONTRACTOR IS TO IDENTIFY EXISTING 2-WIRE PATH CONTROL WIRING THAT TRAVERSES THROUGH THE PROJECT AND IS TO SPLICE AND EXTEND IT ADJACENT TO THE NEW IRRIGATION MAINLINE PIPE. CONTRACTOR IS TO INSTALL NEW 2-WIRE PATH CONTROL WIRING TO NEW REMOTE CONTROL VALVES IN THE PROJECT AREA. CONTRACTOR TO FIELD VERIFY.
- EXISTING IRRIGATION MAINLINE PIPE TO REMAIN AND PROTECT. CONTRACTOR TO FIELD VERIFY.



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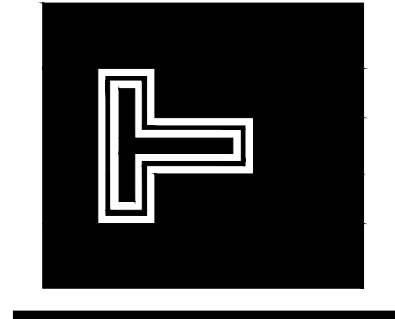
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DIV. OF THE STATE ARCHITECT  
APP: 03-122652 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 10/21/2022

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MARK	DATE	DESCRIPTION
B	10/21/2022	DSA OTC

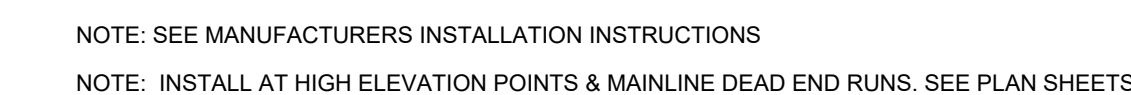


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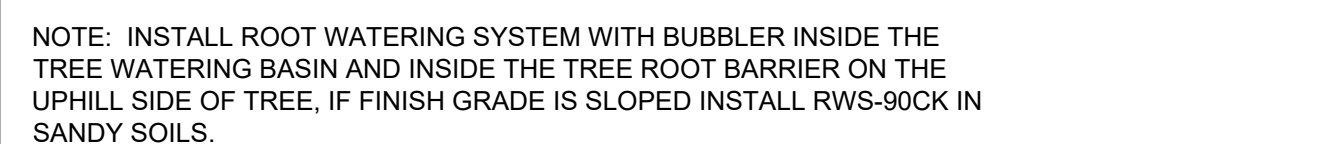


UNIVERSAL TK  
STANDARD ELEMENTARY SCHOOL  
115 MINNER AVE  
BAKESFIELD, CA  
DRAWING TITLE  
LANDSCAPE IRRIGATION PLAN

PROJECT NO.  
22-12390  
DRAWING  
L201

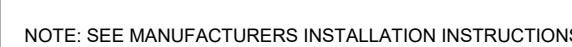


13 AIR RELIEF VALVE DETAIL : NTS



NOTE: CONTRACTOR TO USE SPECIFIED NOZZLE RATING (GPM) FOR LATERAL PIPE SIZE CALCULATIONS AS SHOWN IN THE SPRINKLER FLOW RATE CHART. FLOW RATINGS (GPM) ARE TO BE USED AT THE 50 PSI PRESSURE. FLOW VELOCITIES OF FIVE FEET PER SECOND SHALL NOT BE EXCEEDED. PIPE SIZES NOTED ON THE PLAN SHALL SUPERCEDE CALCULATED PIPE SIZES BY THE CONTRACTOR. LANDSCAPE ARCHITECT TO REVIEW ALL PIPE SIZING IN THE FIELD PRIOR TO BACKFILL OF ANY TRENCHES. CONTRACTOR TO SUBMIT A SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO TRENCHING.

14) LATERAL PIPE SIZING CHART : NTS

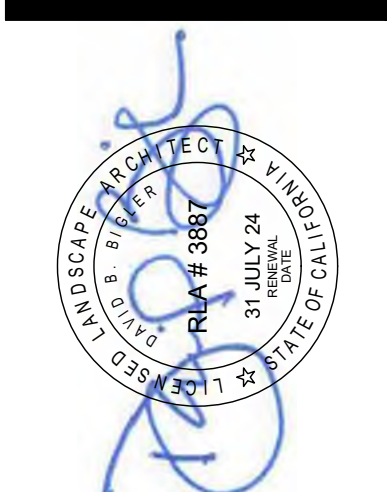


15	MAINLINE GATE VALVE	: NTS
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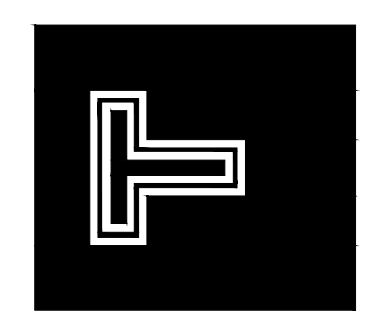


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DRAWING TITLE  
LANDSCAPE AND IRRIGATION NOTES

PROJECT NO.

22-12390

DRAWING  
L400

### LANDSCAPE & IRRIGATION NOTES

1. PRODUCT "OR APPROVED EQUAL" SPECIFICATION NOTE: ALL SPECIFIED MATERIALS, PRODUCTS AND MANUFACTURERS ARE RELEVANT TO DESCRIBE THE REQUIRED QUALITY AND FEATURES OF A PARTICULAR COMPONENT OF THE PROJECT, HOWEVER, THE SPECIFIC PRODUCT OR MANUFACTURER NOTED IS TO BE CONSTRUED TO BE FOLLOWED BY THE WORDS, "OR APPROVED EQUAL".

2. GENERAL NOTE: THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT, MATERIALS AND LABOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. ADDITIONAL EQUIPMENT AND MATERIALS IN ADDITION TO THE SYSTEM COMPONENTS LISTED IN THE LEGEND MAY BE REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

3. SPRINKLER ADJUSTMENT NOTE: CONTRACTOR SHALL MAKE ANY ADJUSTMENTS OR CHANGES TO SPRINKLERS, NOZZLES, RADIUS AND ARCS AS REQUIRED TO PROVIDE 100% COVERAGE TO ALL LANDSCAPE AREAS AND PREVENT OVER SPRAY ONTO BUILDINGS OR HARDSCAPED SURFACES.

4. EXISTING IRRIGATION SYSTEM AND WATERING NOTE: THE CONTRACTOR IS RESPONSIBLE TO KEEP THE EXISTING IRRIGATION SYSTEM TO REMAIN OPERATIONAL TO IRRIGATE ALL LANDSCAPED AREAS. WHERE AUTOMATIC OPERATION OF EXISTING IRRIGATION SYSTEMS IS INTERRUPTED DUE TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE TO SUPPLY TEMPORARY IRRIGATION TO NEW AND/OR EXISTING AREAS THAT ARE AFFECTED BY THE SERVICE INTERRUPTION AS REQUIRED DUE TO PREVAILING WEATHER CONDITIONS. THE CONTRACTOR SHALL MAKE REPAIRS TO THE EXISTING SYSTEM AS NEEDED. THE CONTRACTOR IS TO ASSIST CAMPUS MAINTENANCE PERSONNEL AS NEEDED TO KEEP THE EXISTING LANDSCAPED AREAS IRRIGATED. AREAS AFFECTED BY NEW CONSTRUCTION ARE TO BE IRRIGATED BY THE CONTRACTOR. CONTRACTOR IS TO REPLACE ANY DEAD OR STRESSED PLANT MATERIALS (TO MATCH EXISTING) THAT WERE TO REMAIN THAT WERE DAMAGED DUE TO CONSTRUCTION ACTIVITIES.

5. EXISTING IRRIGATION SYSTEM TO BE REJACED BY NEW IRRIGATION SYSTEM NOTE: THE CONTRACTOR IS TO REMOVE EXISTING SPRINKLERS, VALVES AND OTHER IRRIGATION IMPROVEMENTS VISIBLE AT THE SURFACE IN AREAS TO RECEIVE NEW IRRIGATION AND DELIVER SALVAGED PARTS, INCLUDING, BUT NOT LIMITED TO SPRINKLERS, VALVES, VALVE BOXES ETC., TO THE CAMPUS MAINTENANCE DEPARTMENT. PIPING IS TO BE REMOVED WHERE IT INTERFERES WITH CONSTRUCTION ACTIVITIES, OTHERWISE PIPING MAY BE ABANDONED BELOW GRADE. WHERE PIPING IS BROUGHT TO THE SURFACE, THE CONTRACTOR SHALL CUT IT OFF AT A MINIMUM OF 12" BELOW GRADE. DEPRESSIONS AND HOLES THAT ARE CREATED FROM REMOVING EXISTING IRRIGATION IMPROVEMENTS BEING REPLACED ARE TO BE FILLED WITH CLEAN TOPSOIL LEVEL WITH SURROUNDING GRADE AND COMPACTED. IRRIGATION SYSTEM AND BUILDING WATER ARE TO REMAIN INTACT AND OPERATIONAL.

6. CAMPUS IRRIGATION WATER AVAILABILITY NOTE: THE CONTRACTOR IS TO INSTALL ALL REROUTED MAINLINE PIPES WHILE LEAVING THE EXISTING IRRIGATION SYSTEM IN SERVICE DURING THE PROJECT. WHEN ALL PIPING AND WIRE REROUTING WORK IS COMPLETE THE CONTRACTOR MAY ARRANGE TO SHUT OFF THE WATER TO MAKE FINAL CONNECTIONS FOR A PERIOD OF TIME NOT TO EXCEED TWO DAYS. THE CAMPUS MAINTENANCE SUPERVISOR IS TO BE GIVEN A MINIMUM OF ONE WEEK WRITTEN NOTICE TO OVERWATER THE CAMPUS AREAS IN QUESTION PRIOR TO SHUTTING OFF THE WATER TO MAKE FINAL CONNECTIONS. IF PREVAILING WEATHER CONDITIONS ARE OVER 95 DEGREES DAYTIME HIGH TEMPERATURES, THEN THE SHUT DOWN DURATION MAY BE LIMITED TO NO MORE THAN ONE DAY AS DECIDED BY CAMPUS MAINTENANCE SUPERVISOR.

7. EXISTING TURF, PLANT & TREE TO REMAIN & PROTECT NOTE: THE CONTRACTOR IS RESPONSIBLE TO REPLACE ANY EXISTING TURF, PLANT MATERIALS OR TREES THAT ARE TO REMAIN AND PROTECT. EXISTING TURF, PLANT MATERIAL OR TREES THAT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES, VEHICLE DAMAGE, AND STRESS DUE TO LACK OF WATER OR OTHER DETERIORATION OF THE EXISTING AREAS TO REMAIN ARE TO BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION PRIOR TO THE PROJECT AT NO ADDITIONAL COST TO THE DISTRICT. THIS INCLUDES DAMAGE THAT MAY OCCUR AT ANY AREA OF THE CAMPUS.

8. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY VEGETATION WITHIN THE PROJECT AREA THAT IS NOT CALLED TO REMAIN AND PROTECT. ANY ADJACENT LANDSCAPE AREAS OUTSIDE THE PROJECT AREA THAT ARE TO REMAIN AND PROTECT THAT ARE DAMAGED ARE TO BE REPAIRED AND RESTORED AT NO ADDITIONAL COST TO THE DISTRICT. CONTRACTOR IS TO VISIT THE SITE PRIOR TO BID TO VERIFY EXISTING CONDITIONS AND IMPROVEMENTS.

9. ALL AREAS ADJACENT TO THE PROJECT AREA HAVE EXISTING IRRIGATION IMPROVEMENTS TO REMAIN & PROTECT. CONTRACTOR IS TO REPAIR ALL DAMAGE TO EXISTING IMPROVEMENTS THAT ARE INTENDED TO REMAIN & PROTECT TO MATCH EXISTING IMPROVEMENTS. DAMAGE MAY BE A DIRECT, INDIRECT RESULT OF THEIR WORK OR MAY BE CAUSED BY NEGLIGENCE. CONTRACTOR TO FIELD VERIFY.

10. MANUAL IRRIGATION NOTE: THE CONTRACTOR IS RESPONSIBLE TO MANUALLY IRRIGATE ANY EXISTING IRRIGATION SYSTEM AREAS ON THE ELEMENTARY SCHOOL SITE WHERE THE EXISTING AUTOMATIC OPERATION OF THE EXISTING SYSTEMS TO REMAIN AND PROTECT ARE INTERRUPTED DUE TO CONSTRUCTION ACTIVITIES. DEPENDING UPON PREVAILING WEATHER CONDITIONS, DAILY WATERING MAY BE REQUIRED AS REQUESTED BY THE CAMPUS MAINTENANCE SUPERVISOR. THIS MAY INCLUDE AN AREA NEAR 10 ACRES IN SIZE WITH DOZENS OF REMOTE CONTROL VALVES. THE CONTRACTOR IS TO CAREFULLY FIELD VERIFY AND COORDINATE WORK TO AVOID DAMAGING THE EXISTING PIPING OR WIRING THAT MAY REQUIRE MANUAL IRRIGATION OF THE SITE BY THE CONTRACTOR FOR EXTENDED PERIODS OF TIME.



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