SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

PROJECT: 07-24
SSFUSD DISTRICT OFFICE ACCESSIBILITY IMPROVEMENTS

BID ADDENDUM NO. 2

PROJECT: **SSFUSD Junipero Serra ES Modular TK Building**

DATE: **February 25, 2026**
151 Victoria St, Daly City, CA 94015d

OWNER: South San Francisco Unified School District
398 B Street,
South San Francisco , CA 94080

DSA FILE NO.: 41-28

DSA APP. NO.: 01-122855

All prospective bidders are hereby notified that the plans and specifications for the project have been modified as outlined below. This Addendum must be attached to and considered part of the plans and specifications. Bidders are required to acknowledge receipt of this Addendum on the Bid Form. In the event of any discrepancies with previous addenda or communications, this Addendum shall take precedence. It is the bidder's responsibility to inform all subcontractors, both those solicited for bids and those from whom bids are accepted, of the changes included in this Addendum.

Addendum No. 2 provides the following:

UPDATED DOCUMENTS

1. **ITEM NO. 01**

   Bid document Sheet A0.00: New sheets A1.57 and E7.11 added to sheet index.

2. **ITEM NO. 02**

   Bid document Sheet A0.01: Scope of Work list revised.

3. **ITEM NO. 03**

   Bid document Sheet C1.0: Extended demo scope to southeast of building B and to the sidewalk/ lawn on Victoria Street (for hydrant and bioswale).

4. **ITEM NO. 04**

   Bid document Sheet C2.0: Extended improvements scope to Victoria Street (hydrant & bioswale) and south of building B (added grading and paving).

5. **ITEM NO. 05**

   Bid document Sheet C3.1: Bioretention details added.

6. **ITEM NO. 06**

   Bid document Sheet C4.0: Viewport resized to include Victoria Street (hydrant, bioswale, and sidewalk widening).

7. **ITEM NO. 07**

   Bid document Sheet A1.10: Added keynotes 32.17, 32.18, 32.21, and 32.22. Play structure and bioswale scope added.

8. **ITEM NO. 08**

   Bid document Sheet A1.11: Added keynotes 32.17 and 32.18. Fire hydrant and bioswale scope added.

9. **ITEM NO. 09**

   Bid document Sheet A1.12: Added keynotes 32.21 and 32.22. play structure scope added.

10. **ITEM NO. 10**

    Bid document Sheet A1.20: Area of demolition enlarged.

11. **ITEM NO. 11**

    Bid document Sheet A1.30: Play structure and concrete stair scope added and keynoted.

12. **ITEM NO. 12**

    Bid document Sheet A1.57: New sheet issued.

13. **ITEM NO. 13**

    Bid document Sheet E0.00: Legend revised.

14. **ITEM NO. 14**

    Bid document Sheet E1.30: Low voltage scope added. Sheet notes revised.

15. **ITEM NO. 15**

    Bid document Sheet E7.11: New sheet issued.

16. **ITEM NO. 16**

    Bid document Sheet FA1.10: General note "C" added.

17. **ITEM NO. 17**

    Bid document Sheet FA8.10: Detail #4 added.

18. **ITEM NO. 18**

    Bid document 01-122855_103_A: Division of the State Architect (DSA) form 103 (Testing and Inspections) added to bid documents.

BIDDER QUESTIONS

19. **ITEM NO. 19**

    Question: The drawings do not include a PA riser diagram (as provided for Monte Verde) or indicate the location of the existing PA headend equipment.

    Reply: See new issued sheet E7.11 for clock/ speaker riser diagram.

20. **ITEM NO. 20**

    Question: The drawings also do not include a data riser diagram (as provided for Monte Verde) or indicate existing conduit routing to the nearest IDF Room.

    Reply: See new issued sheet E7.11 for data riser diagram.

21. **ITEM NO. 21**

    Question: Please confirm the portable is 100% prefinished by the manufacturer, or if there is any interior and/or exterior scope for the bidders to complete.

    Reply: EMS system stub-outs containing wires, water system chlorination testing, DF barriers/guardrails, weld plate installation by site GC. All wire, controls, devices, equipment and connections for all low voltage systems by site GC. See item #27 for further EMS installation information.

22. **ITEM NO. 22**

    Question: Is the high low sink (exterior drinking fountain) and guardrail by the bidding contractor or will these be by the modular manufacturer?

    Reply: Bi-level drinking fountain by SCM, guardrails/DF barriers by site GC.

23. **ITEM NO. 23**

    Question: Aside from the ADA stall, please advise if there is any signage scope?

    Reply: Tactile signs, room ID, room signage and accessibility signage by site GC.

24. **ITEM NO. 24**

    Question: Please advise if there is any fire sprinkler scope.

    Reply: No fire sprinkler scope.

CLARIFICATIONS

25. **ITEM NO. 25: Weekend Work Allowance**

    - All contractors shall include in their bids a total of twelve (12) days of weekend work.
    - Weekend work shall include all labor, supervision, coordination, and associated costs.
    - No additional compensation shall be requested for weekend work included herein.

26. **ITEM NO. 26: Energy Management System (EMS) Coordination**

    - The EMS shall be coordinated with Syserco.
    - Contractor scope:
        - Provide stub-outs, conduit, and continuous wiring from the modular building/ Bard unit to the nearest point of connection to the District's Global Energy Management System.
        - Provide all required raceways, pull strings, and penetrations for EMS integration.

- Syserco scope:
    - Terminate, program, and commission all EMS wiring.
    - Integrate EMS controls into the District's Global Management System.

27. ITEM NO. 27: Security System Coordination

- The security system shall be coordinated with Sonitrol.
- Contractor scope:
    - Provide stub-outs, conduits, and shielded, stranded inductor cabling (minimum 22 AWG) from the modular building to the nearest Sonitrol security panel.
    - Provide home-run cabling from security devices to the designated Sonitrol panel location.
    - Provide all required pathways to connect the modular building security system to the main building infrastructure.
- Modular building manufacturer scope:
    - Provide conduit and piping pathways within the modular building for the following security devices:
        - Door position switch (DPS)
        - Security microphone
        - Provide accessible routing from devices to the designated low-voltage entry point.

28. ITEM NO. 28: Project Estimate & Prequalification Requirement

- Engineers' estimate: The engineer's estimate for TK classrooms at Monte Verde Elementary School (MVES) and Junipero Serra Elementary School (JSES) is nine hundred thousand dollars.
- Prequalification Requirement: Only the prime (General) contractor shall be required to be prequalified through PQBids at the time of bid submission. Subcontractors are not required to be prequalified for this project.

29. ITEM NO. 29: Emergency Egress during School Hours

- Contractor shall maintain all points of egress around area of construction during school hours per CBC 2022.

30. ITEM NO. 30: Bid Due Date and Bid Opening Extensions

- The bid due date and the bid opening are hereby extended as follows:
    - Bid due date and opening: March 12th, 2026 at 2:00pm (via Zoom as previously noted)

31. ITEM NO. 31: Bid Due Date and Bid Opening Extensions

- The schedule of milestones is revised as follows:
    - Notice to proceed: April 12th, 2026.
    - Crane readiness (both sites): May 16th, 2026
    - Substantial completion (both sites): June 26, 2026 (no change)

ATTACHMENTS:

1: Sheet A0.00

2: Sheet A0.01

3: Sheet C1.0

4: Sheet C2.0

5: Sheet C3.1

6: Sheet C4.0

7: Sheet A1.10

8: Sheet A1.11

9: Sheet A1.12

10: Sheet A1.20

11: Sheet A1.30

12. Sheet A1.57

13: Sheet E0.00

14: Sheet E1.30

15: Sheet E7.11

16: Sheet FA1.10

17: Sheet FA8.10

18: Form 01-122855_103_A

END OF BID ADDENDUM ITEMS

JUNIPERO SERRA ES MODULAR

General		
A0.00		COVER SHEET
A0.01		NOTES & GENERAL INFORMATION
Civil		
C1.0	♣	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.0	♣	GRADING, PAVING AND UTILITY PLAN
C2.1	♣	OFF-SITE UTILITY PLAN
C3.0	♣	CIVIL DETAILS
C4.0	♣	EROSION CONTROL PLAN AND DETAILS
Architectural		
A1.10		SITE PLAN - ACCESSIBILITY
A1.11		SITE PLAN - FIRE SAFETY ANALYSIS
A1.12		SITE PLAN - EGRESS ANALYSIS
A1.20		ENLARGED SITE PLAN - DEMO
A1.30		ENLARGED SITE PLAN - NEW
A1.51		FENCING DETAILS
A1.55		MISCELLANEOUS SITE DETAILS
A1.56		MISCELLANEOUS DETAILS
A1.57		MISCELLANEOUS DETAILS
Electrical		
E0.00	♣	ELECTRICAL TITLE SHEET
E1.10	♣	ELECTRICAL SITE PLAN
E1.30	♣	ENLARGED ELECTRICAL SITE PLAN - NEW
E7.10	♣	SINGLE LINE DIAGRAM
E7.11	♣	LOW VOLTAGE RISER DIAGRAM
E9.10	♣	TECHNICAL SPECIFICATIONS
E9.11	♣	TECHNICAL SPECIFICATIONS
E9.12	♣	TECHNICAL SPECIFICATIONS
E9.13	♣	TECHNICAL SPECIFICATIONS
Fire Alarm		
FA0.00	♣	FIRE ALARM TITLE SHEET
FA1.10	♣	FIRE ALARM SITE PLAN
FA1.30	♣	ENLARGED FIRE ALARM SITE PLAN - NEW
FA7.10	♣	FIRE ALARM RISER DIAGRAM
FA8.10	♣	FIRE ALARM DETAILS
FA9.10	♣	TECHNICAL SPECIFICATIONS

Grand total: 31

Modular - Project Specific		
A-0.0N	♣	COVER SHEET
A-0.2N	♣	SCHEDULES
A-0.54N	♣	ENERGY CALCULATIONS
A-0.55N	♣	ENERGY CALCULATIONS
A-1.02N	♣	FLOOR PLAN
A-2.02N	♣	REFLECTED CEILING PLAN
A-3.02N	♣	ROOF PLAN
A-4.02N	♣	EXTERIOR ELEVATIONS
A-6.02N	♣	INTERIOR ELEVATIONS
F-2.11N	♣	CONCRETE FOUNDATION PLAN

Grand total: 10

PC - Architectural		
A-0	♣	COVER SHEET
A-0B	♣	T & I FORMS
A-0.1	♣	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	♣	SCHEDULE
A-0.3	♣	TYPICAL KEY PLANS - 36' x 40'
A-0.51	♣	DESIGN ENERGY VALUES - CONC FLOOR - ROOF HVAC
A-0.57	♣	PRF FORMS - ZONE 36x40 - 14 WORST CASE
A-0.58	♣	PRF FORMS - ZONE 36x40 - 15 WORST CASE
A-0.59	♣	PRF FORMS - ZONE 36x40 - 16 WORST CASE
A-0.6A	♣	CERTIFICATE OF COMPLIANCE FORMS
A-0.6B	♣	CERTIFICATE OF COMPLIANCE FORMS
A-0.6C	♣	CERTIFICATE OF COMPLIANCE FORMS
A-0.7	♣	PV SYSTEM REQ'S. ENERGY MANDATORY MEASURES & CAL GREEN SPEC'S
A-1.02	♣	FLOOR PLAN - 36' x 40'
A-2.02	♣	REFLECTED CEILING PLAN - 36' x 40'
A-2.20	♣	CEILING DETAILS - T-GRID
A-2.21	♣	CEILING DETAILS - HARD LID
A-3.02	♣	ROOF PLAN - 36' x 40' - METAL DECK - MONO SLOPE
A-3.50	♣	ROOF DETAILS - STANDING SEAM ROOF DECK
A-3.80	♣	ROOF DETIALS PARAPET
A-4.02	♣	EXTERIOR ELEVATIONS - 36' x 40' - SINGLE SLOPE
A-5.01	♣	CROSS SECT. - DUAL SLOPE
A-5.05	♣	CROSS SECTION
A-5.51	♣	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER
A-5.53	♣	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED
A-5.70	♣	ARCHITECTURAL DETAILS - FLOOR
A-5.72	♣	DETERIORATION PROTECTION STUCCO FINISH W/ CONC FLOOR - WD STUD
A-5.80	♣	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	♣	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.02	♣	INTERIOR ELEVATIONS - 36' x 40'
PC - Foundation		
F-2.11	♣	CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
F-2.50	♣	CONCRETE FOUNDATION DETAILS - BELOW GRADE
F-2.51	♣	FOUNDATION DETAILS - CONCRETE
PC - Structural		
S-0.1	♣	STRUCTURAL SPECIFICATIONS
S-1.11	♣	FLOOR FRAMING PLAN - CONCRETE FLOOR
S-1.60	♣	FLOOR FRAMING DETAILS - CONCRETE FLOOR
S-2.01	♣	ROOF FRAMING PLAN - MONO SLOPE
S-2.50	♣	ROOF FRAMING DETAILS - MONO SLOPE
S-2.60	♣	ROOF FRAMING DETAILS
S-2.90	♣	ROOF FRAMING DETAILS - TRUSS
S-3.01	♣	BUILDING SECTION - MONO SLOPE
S-5.00	♣	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	♣	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	♣	WALL FRAMING DETAILS - WOOD STUDS
PC - Plumbing		
P-1.01	♣	PLUMBING DETAILS AND SCHEDULE
PC - Mechanical		
M-0.1	♣	MECHANICAL NOTES, SCHEDULES, AND DETAILS
M-1.02	♣	MECHANICAL PLAN - WALL MOUNT - 36' x 40'
PC - Electrical		
E-1.02	♣	ELECTRICAL PLAN AND SCHEDULE - 36' x 40'

Grand total: 48

TOTAL SHEET OF 89

♣ **INDICATES DRAWINGS PREPARED BY OTHER LICENSED PROFESSIONALS. REFER TO THIS SHEET FOR "STATEMENT OF GENERAL CONFORMANCE"**

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. 01-122855 **File No.** 41-28 **)**

☒ The drawings or sheets noted in the index sheet (A0.00) with a "♣" symbol

☐ 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 Cod 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 4-336, 4-341 and 4-344" of Title 24, Part 1. *(Title 24, Part 1, Section 4-316 (b))*

I find that: ☒ All drawings or sheets listed on the cover index sheet with a "♣" symbol ☐ This drawing or page

☒ is/are in general conformance with the project design, and	☐ is/are in general conformance with the project design, and
☒ has/have been coordinated with the project plans and specifications.	☐ has/have been coordinated with the project plans and specifications.
12-10-2025	
Signature / **Date**	**Signature** / **Date**
Architect of Engineer designated to be in general responsible charge	**Architect of Engineer designated to be in general responsible charge**
LAWRENCE EDWARD SCHADT	
Print Name	**Print Name**
C 29266 / AUGUST 31, 2027	
License Number / **Expiration Date**	**License Number** / **Expiration Date**

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FILE# 41-28
APPL # 01-122855

Client

Consultants

Drawing Record

REV	DESCRIPTION	DATE
1	DSA PERMIT SET	12/10/25
2	DSA: V2	01/14/26
3	DSA: V3	01/20/26
5	ADD_02	02/25/26

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Architect

LICENSED ARCHITECT
LAWRENCE EDWARD SCHADT
NO. C29266
REN. 8-31-27
STATE OF CALIFORNIA

Project
JUNIPERO SERRA ES MODULAR

151 Victoria St.
Daly City, CA 94015

2516.00

Sheet
COVER SHEET

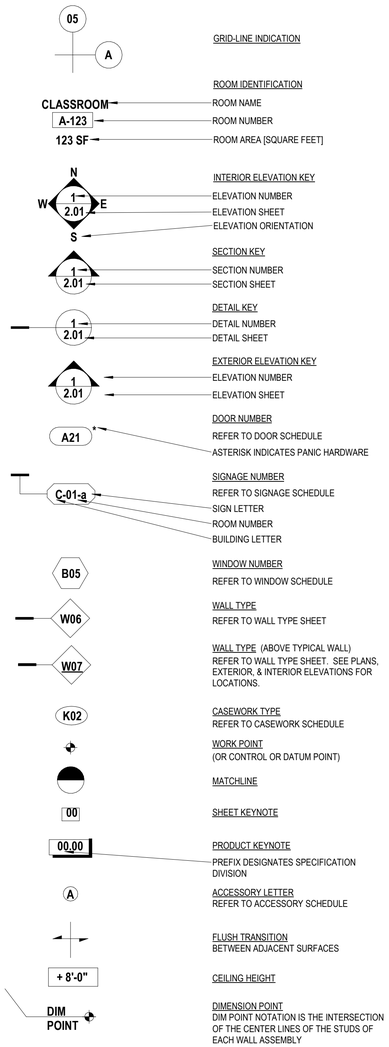
A0.00

2/24/2026 11:18:18

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SYMBOLS



ABBREVIATIONS

&	AND	LIN	LINEAR
∠	ANGLE	LTG	LIGHTING
@	AT	MATL	MATERIAL
℄	CENTERLINE	MAX	MAXIMUM
Ø	DIAMETER OR ROUND	MB	MACHINE BOLT
#	NUMBER	MECH	MECHANICAL
d	PENNY	MFR	MANUFACTURER
(E)	EXISTING	MIN	MINIMUM
(N)	AIR /	MISC	MISCELLANEOUS
AC	CONDITIONING	MS	MACHINE SCREW
ACCS	ACCESS OR ACCESSIBLE	N	NORTH
ACT	ACOUSTICAL CEILING TILE	NEG	NEGATIVE
AD	AREA DRAIN	NIC	NOT IN CONTRACT
ADJ	ADJACENT	NO	NUMBER
AFF	ABOVE FINISH FLOOR	NTS	NOT TO SCALE
AL	ALUMINUM	OC	ON CENTER(S)
ALT	ALTERNATE	OD	OUTSIDE DIAMETER
ANOD	ANODIZED	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
APPROX	APPROXIMATE	OFOI	OWNER FURNISHED & OWNER INSTALLED
ARCH	ARCHITECTURAL	PERF	PERFORATED
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	PERP	PERPENDICULAR
AVG	AVERAGE	PL	PLATE
BD	BOARD	PLAM	PLASTIC LAMINATE
BLDG	BUILDING	PLBG	PLUMBING
BLK	BLOCK, BLOCKING	PLY	PLYWOOD
BOT	BOTTOM	PREFAB	PREFABRICATE(D)
BTW	BETWEEN	PROP	PROPERTY
BUR	BUILT-UP ROOF	PSI	POUNDS PER SQUARE INCH
CAB	CABINET	PTD	PAINTED
CB	CATCH BASIN	PT	PRESSURE TREATED
CT	CERAMIC TILE	QTY	QUANTITY
CI	CAST IRON	RCP	REFLECTED CEILING PLAN
CLG	CEILING	RD	ROOF DRAIN
CLR	CLEAR	REF	REFERENCE
CMU	CONCRETE MASONRY UNIT	REINF	REINFORCED
COL	COLUMN	REQD	REQUIRED
CONC	CONCRETE	RESIL	RESILIENT
CONT	CONTINUOUS	RO	ROUGH OPENING
DBL	DOUBLE	RWL	RAIN WATER LEADER
DEMO	DEMOLISH	S	SOUTH
DF	DRINKING FOUNTAIN	SCD	SEE CIVIL DRAWINGS
DIA	DIAMETER	SCHED	SCHEDULE; SCHEDULED
DIAG	DIAGONAL	SED	SEE ELECTRICAL DWGS.
DIM	DIMENSION	SF	SQUARE FOOT
DN	DOWN	SHT	SHEET
DR	DOOR	SIM	SIMILAR
DWG	DRAWING	SLD	SEE LANDSCAPE DWGS.
EA	EACH	SMD	SEE MECHANICAL DWGS.
ELEV	ELEVATION	SPD	SEE PLUMBING DWGS.
ELEC	ELECTRICAL	SPEC	SPECIFICATIONS
EXT	EXTERIOR	SSD	SEE STRUCTURAL DWGS.
FAB	FABRICATE	SST	STAINLESS STEEL
FACP	FIRE ALARM CONTROL PANEL	STD	STANDARD
FAR	FLOOR AREA RATIO	STL	STEEL
FD	FLOOR DRAIN	STRT	STRUCTURAL
FDN	FOUNDATION	SUSP	SUSPEND; SUSPENDED
FE	FIRE EXTINGUISHER	T&G	TONGUE AND GROOVE
FFE	FINISHED FLOOR ELEVATION	THRU	THROUGH
FIN	FINISH (ED)	TOC	TOP OF CURB
FIXT	FIXTURE	TP	TOP OF PAVEMENT
FLEX	FLEXIBLE	TYP	TYPICAL
FLR	FLOOR	TW	TOP OF WALL
FLUOR	FLUORESCENT	UON	UNLESS OTHERWISE NOTED
FOC	FACE OF CONCRETE	VERT	VERTICAL
FOF	FACE OF FINISH	VDFG	VERTICAL GRAIN DOUGLAS FIR
FOS	FACE OF STUD	W	WEST
FT	FEET, FOOT	W/	WITH
FTG	FOOTING	W/O	WITHOUT
GA	GAUGE	WD	WOOD
GAL	GALLON	WF	WIDE FLANGE (STEEL)
GALV	GALVANIZED	WIN	WINDOW
GEN	GENERAL	YD	YARD
GFCI	GROUND FAULT CIRCUIT INTERRUPTED	ID	INSIDE DIAMETER (DIM)
GND	GROUND	IN	INCH
GSM	GALVANIZED SHEET METAL	INFO	INFORMATION
GYP BD	GYPSUM WALLBOARD	INSUL	INSULATION
HB	HOSE BIB	LAV	LAVATORY
HM	HOLLOW METAL	LB	POUND
HORZ	HORIZONTAL	LF	LINEAR FEET
HT	HEIGHT		

PROJECT NOTES

1. COORDINATE LAYOUT DIMENSIONS INDICATED ON THE STRUCTURAL, ELECTRICAL DRAWINGS WITH THOSE INDICATED ON THE ARCHITECTURAL DRAWINGS. REPORT ALL DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. IN THE EVENT THAT CERTAIN FEATURES OF THE NEW CONSTRUCTION ARE NOT FULLY SHOWN IN THE CONSTRUCTION DOCUMENTS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN.
3. CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS ON THE PROJECT SITE BEFORE THE WORK BEGINS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES TO THE CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS BEFORE CONSTRUCTION BEGINS.
4. EXISTING CONDITIONS SHOWN ON THE DRAWINGS WERE OBTAINED FROM THE OWNER-PROVIDED SURVEY DRAWINGS. THE ORIGINAL SURVEYS ARE PROVIDED AS A REFERENCE TO THESE BID DOCUMENTS. VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ALL DEVIATIONS BEFORE PROCEEDING WITH THE WORK.
5. GELFAND PARTNERS ARCHITECTS HAS PREPARED THESE DOCUMENTS ONLY FOR THE IMPROVEMENTS SPECIFIED, DETAILED, INDICATED, OR SHOWN AS NEW WORK AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL, OR EQUIPMENT NOTED, INDICATED, OR SHOWN AS "EXISTING" OR AS "PROVIDED BY OTHERS." UNLESS OTHERWISE INDICATED OR NOTED, GELFAND PARTNERS ARCHITECTS HAS NEITHER CHECKED NOR VERIFIED THE STRUCTURAL INTEGRITY, QUALITY OF CONSTRUCTION, ACCESSIBILITY TO, EGRESS FROM, OR DESIGN OF THE EXISTING CONSTRUCTION AND ANY OTHER WORK NOT INCLUDED AS PART OF THE IMPROVEMENTS SPECIFIED, DETAILED, OR SHOWN ON THESE DOCUMENTS.
6. PROVIDE UL, GA, CBC, OR EQUAL LISTING NUMBERS FOR ALL FIRE-RATED CEILING / FLOOR, ROOF, WALL, AND STRUCTURAL FRAME ASSEMBLIES. THE COMPONENTS AND INSTALLATION DETAILS SUCH AS NAILING SCHEDULES SHALL BE AS SHOWN ON PLANS AND MUST CONFORM IN EVERY PARTICULAR WITH THE UL, GA, CBC, OR EQUAL LISTING NUMBERS SPECIFIED. CUSTOM DESIGNS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED DESIGNS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE.
7. PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
8. ADEQUATE ENGINEERING OBSERVATION AND TESTING SHALL BE PROVIDED DURING CONSTRUCTION BY INSPECTOR OF RECORD PER TITLE 24.
9. DO NOT SCALE DIMENSIONS FROM PLANS. USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS.
10. DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED CONSTRUCTION. U.O.N. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
11. NO DEVIATION FROM THE APPROVED DRAWINGS AND SPECIFICATIONS IS PERMITTED WITHOUT THE PRIOR CONSENT OF THE ARCHITECT. WRITTEN CONSENT IS SUBJECT TO DSA APPROVAL. THE ARCHITECT'S INTERPRETATION OF THESE DOCUMENTS SHALL BE FINAL.
12. LARGER SCALE DRAWINGS GOVERN IN CASE OF CONFLICT WITH SMALLER SCALE DRAWINGS.
13. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, SPECIFICATIONS, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
14. FOR ADDITIONAL "DSA" REQUIREMENTS, SEE SPECIFICATION SECTIONS 01 40 00.
15. ALL ITEMS ARE NEW U.O.N.
16. WORK INDICATED AS "OWNER FURNISHED" (O.F.C.I.) SHALL MEET ALL APPLICABLE CODES AND REGULATORY REQUIREMENTS INDICATED WITHIN THESE DOCUMENTS AND SHALL BE INSTALLLED AND FULLY OPERATIONAL PRIOR TO THE FINAL APPROVAL AND OCCUPANCY OF THIS PROJECT
17. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER.
18. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE FIRE PLAN.

ADMINISTRATIVE

1. A COPY OF 2022 CALIFORNIA BUILDING CODE (CBC), PARTS 1 AND 2, CALIFORNIA CODE OF REGULATIONS, TITLE 24 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL DSA-CCD'S AND ADDENDA SHALL BE SIGNED BY THE ARCHITECT AND THE OWNER AND APPROVED BY DSA. DSA-CCD'S ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24.
3. ALL TESTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED TESTS & INSPECTIONS [T&I] SHEET.
4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-355 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
6. INSPECTOR-OF-RECORD SHALL BE APPROVED BY DSA AND EMPLOYED BY DISTRICT. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(b). THE DUTY OF THE INSPECTOR (CLASS ONE OR TWO) SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
7. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
8. CONTRACTOR, INSPECTOR, ARCHITECT AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM SSS-6) IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333(a) AND 4-341, PART 1, TITLE 24.
10. THE CONTRACTOR SHALL PERFORM ITS DUTIES IN ACCORDANCE WITH SECTIONS 4-336 & 4-343, PART 1, TITLE 24.
11. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR 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.
12. THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE HAS VERIFIED, BY APPROPRIATE MEANS, THAT THE BUILDING CONFORMS TO THE ORIGINALLY APPROVED PLANS AND SPECIFICATIONS AND HAS NOT SUFFERED STRUCTURAL DETERIORATION OR BEEN STRUCTURALLY ALTERED.
13. ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA.
14. 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.
15. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
16. CONSTRUCTION CHANGE DOCUMENTS (CCD'S) MUST BE SIGNED BY THE FOLLOWING:
ARCHITECT OR ENGINEER OF RECORD, STRUCTURAL ENGINEER (WHEN APPLICABLE), DELEGATED PROFESSIONAL ENGINEER, DSA.
17. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
18. 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 & MAXIMUM END POINTS."

APPLICABLE CODES

CURRENT CODES
2025 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2010 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE AND 2010 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2010 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2010 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2021 INTERNATIONAL FIRE CODE AND 2010 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

CURRENT STANDARDS
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2022 EDITION (AS AMENDED BY CBC CHAPTER 35)
NFPA 14 STANDPIPE SYSTEMS (CA AMENDED) 2019 EDITION (AS AMENDED BY CBC CHAPTER 35)
NFPA 17A WET CHEMICAL SYSTEMS 2022 EDITION (904.2 & 904.13)
NFPA 20 STATIONARY PUMPS 2022 EDITION (AS AMENDED BY CBC CHAPTER 35)
NFPA 24 PRIVATE FIRE MAINS (CA AMENDED) 2022 EDITION (AS AMENDED BY CBC CHAPTER 35)
NFPA 72 NATIONAL FIRE ALARM CODE (CA AMENDED) 2022 EDITION (AS AMENDED BY CBC CHAPTER 35)
NFPA 80 FIRE DOOR AND OTHER OPENING PROTECTIVES 2022 EDITION (AS AMENDED BY CBC CHAPTER 35)
NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2018 EDITION (AS AMENDED BY CBC CHAPTER 35)
REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35.
SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PROJECT TEAM

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rmcintosh@silvercreekmodular.com

PROJECT INFORMATION

ADDRESS:
151 VICTORIA ST.
DALY CITY, CA 94015

EXISTING FIRE SPRINKLERS:
NO

EXISTING FIRE ALARM:
YES

NUMBER OF STORIES:
1

BUILDING CONSTRUCTION TYPE:
V-B

EXISTING OCCUPANCY:
E

PROPOSED OCCUPANCY:
E

TOTAL BUILDING AREA:
1430 SQUARE FOOTAGE

ALLOWABLE AREA WITH SPRINKLERS:

NOTE:
THE PROPOSED SCOPE OF WORK WILL NOT AFFECT EXISTING FIRE ALARM AND FIRE SPRINKLER EQUIPMENT.

PREVIOUS DSA APPLICATION NUMBERS:

APPL #01-27516 PORTABLES
APPL #01-32425 PORTABLES
APPL #01-32880 CLASSROOMS
APPL #01-32890 CLASSROOMS, MULTI-PURPOSE, ADMIN
APPL #01-34987 ADMIN & MULTIPURPOSE
APPL #01-67616 PORTABLE
APPL #01-101141 PORTABLE
APPL #01-101202 ADMIN, CLASSROOMS, MULTIPURPOSE
APPL #01-114437 LIBRARY & CLASSROOM

DEFERRED APPROVALS

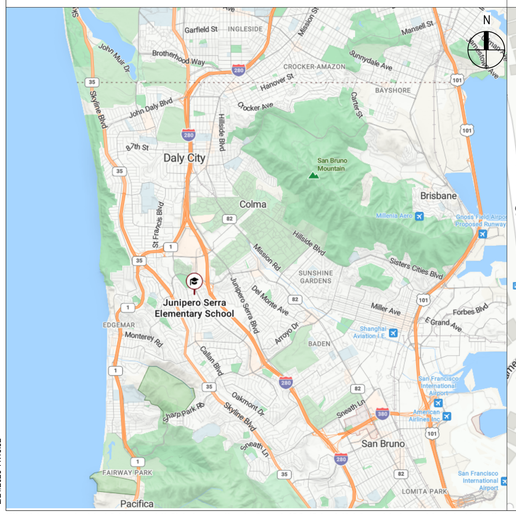
NONE

SCOPE OF WORK

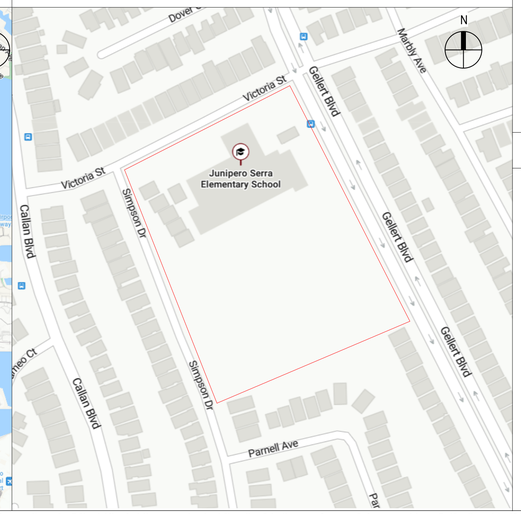
1. NEW PAD PREPARATION. FOOTING FORMING & POURING, SLAB POUR, AND ASSOCIATED CAST-IN-PLACE APPURTENANCES FOR MODULAR PC TRANSITIONAL KINDERGARTEN CLASSROOM BUILDING (REFER TO PC SHEETS F2.11N, F2.11, F2.50, F2.51, S0.1, AND DSA FORM 103 FOR SITE WORK SCOPE WITH REGARDS TO THE PC MODULAR BUILDING).
2. INSTALLATION OF WIRING & DEVICES FOR LOW VOLTAGE SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, DATA, AND CLOCK SPEAKERS. PC MANUFACTURER PROVIDES CONDUIT/ PATHWAYS FOR WIRING.
3. NEW VAN ACCESSIBLE STALL IN ADJACENT PARKING LOT.
4. NEW FIRE HYDRANT (INCLUDING PULLING PERMIT, PERMIT & INSPECTION FEES, INSPECTION, AND INSTALLATION).
5. SIDEWALK IMPROVEMENTS AROUND NEW HYDRANT FOR ACCESSIBILITY CLEARANCES (INCLUDING PULLING PERMIT, PERMIT & INSPECTION FEES, INSPECTION, AND INSTALLATION).
6. NO DSA CERTIFICATION IS AVAILABLE FOR EXISTING ACCESSIBLE STALLS IN PARKING LOT A AS WELL AS THE SECURITY DOOR TO THE ADMIN BLDG. IT IS PART OF THIS PROJECT SCOPE TO CERTIFY THE SECURITY DOORS AND ACCESSIBLE STALLS BASED ON THE FILED, VERIFIED DRAWINGS PROVIDED.
7. STAFF RESTROOM ALTERATION IN BUILDING "E".

5

REGIONAL MAP



VICINITY MAP



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FILE# 41-28
APPL # 01-122855

Client

Consultants

Drawing Record

REV	DESCRIPTION	DATE
1	DSA PERMIT SET	12/10/25
2	DSA: V2	01/14/26
3	DSA: V3	01/20/26
5	ADD_02	02/25/26

Printed: 2/24/2026 11:19:32

Architect

LICENSED ARCHITECT
LAWRENCE EDWARD SCHADT
NO. C-29266
REN. 8-31-27
STATE OF CALIFORNIA

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2516.00

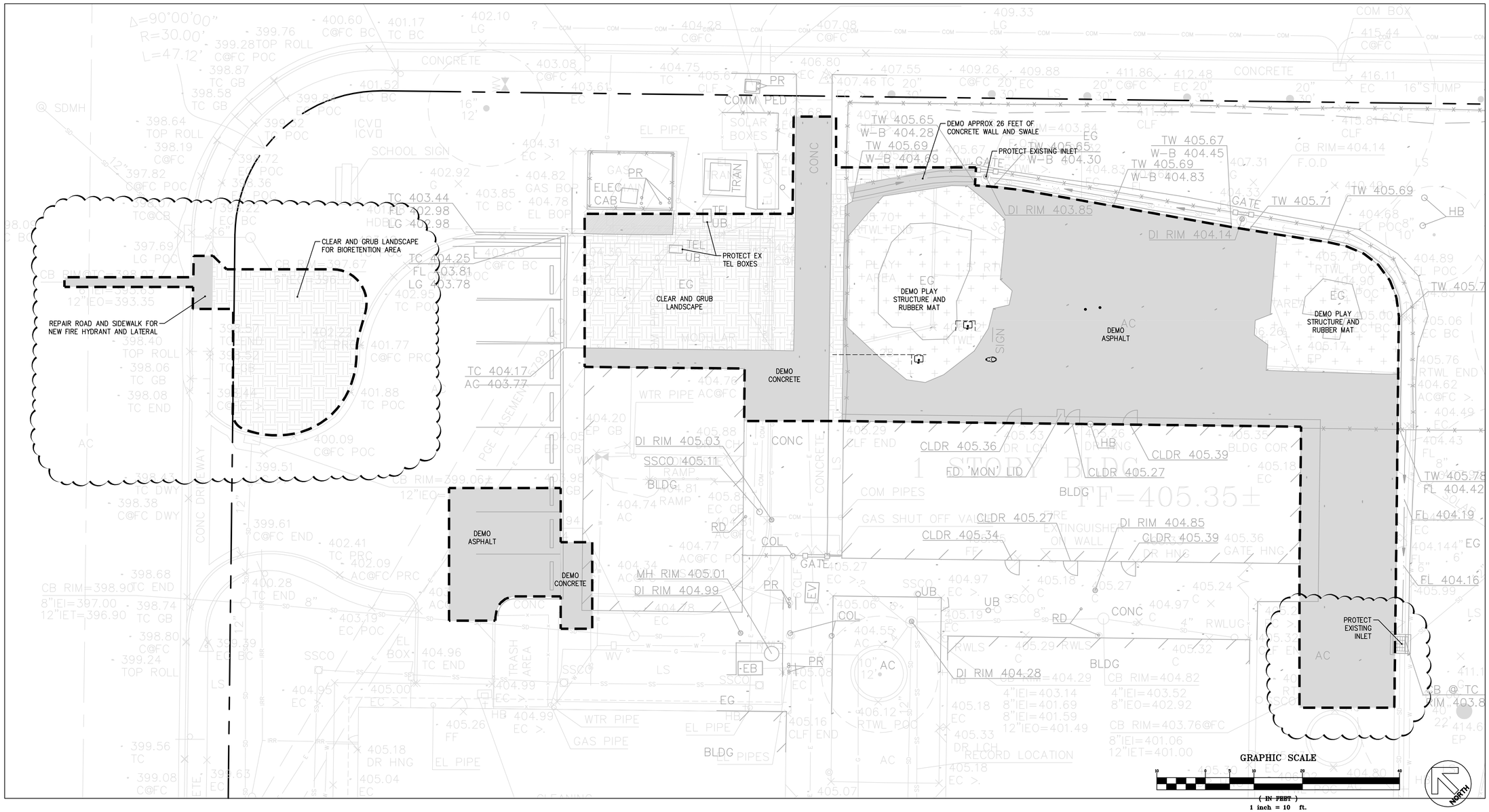
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NOTES & GENERAL INFORMATION

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GEOTECHNICAL NOTES

UNDOCUMENTED FILLS
ALL UNDOCUMENTED FILLS SHALL BE FULLY REMOVED AND REPLACED AS ENGINEERED FILL BENEATH PLANNED FOUNDATIONS.
EACH INDIVIDUAL FOOTING BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT, RESULTING IN A MINIMUM OF 12 INCHES OF ENGINEERED FILL BENEATH ALL NEW FOUNDATIONS.

SUBGRADE PREPARATION
AFTER SITE CLEARING AND DEMOLITION IS COMPLETE, AND PRIOR TO BACKFILLING ANY EXCAVATIONS RESULTING FROM FILL REMOVAL OR DEMOLITION, THE EXCAVATION SUBGRADE AND SUBGRADE WITHIN AREAS TO RECEIVE ADDITIONAL SITE FILLS, SLABS-ON-GRADE AND/OR PAVEMENTS SHOULD BE SCARIFIED TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONED AND COMPACTED.
DUE TO THE SANDY SOILS LIKELY TO BE ENCOUNTERED AT THE SUBGRADE ELEVATION, SUBGRADE COMPACTION AND PROOF ROLLING SHALL BE PERFORMED WITHIN 24 HOURS OF CAPILLARY BREAK LAYER OR SLAB-ON-GRADE CONSTRUCTION.

COMPACTION REQUIREMENTS
ALL FILLS, AND SUBGRADE AREAS WHERE FILL, SLABS-ON-GRADE, AND PAVEMENTS ARE PLANNED, SHOULD BE PLACED IN LOOSE LIFTS 8 INCHES THICK OR LESS AND COMPACTED IN ACCORDANCE WITH ASTM D1557 (LATEST VERSION) REQUIREMENTS AS SHOWN IN THE TABLE BELOW. IN GENERAL, CLAYEY SOILS SHOULD BE COMPACTED WITH SHEEPSFOOT EQUIPMENT AND SANDY/GRAVELLY SOILS WITH VIBRATORY EQUIPMENT; OPEN-GRADED MATERIALS SUCH AS CRUSHED ROCK SHOULD BE PLACED IN LIFTS NO THICKER THAN 18 INCHES AND CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT. EACH LIFT OF FILL AND ALL SUBGRADE SHOULD BE FIRM AND UNYIELDING UNDER CONSTRUCTION EQUIPMENT LOADING IN ADDITION TO MEETING THE COMPACTION REQUIREMENTS TO BE APPROVED. THE CONTRACTOR (WITH INPUT FROM A CORNERSTONE REPRESENTATIVE) SHOULD EVALUATE THE IN-SITU MOISTURE CONDITIONS, AS THE USE OF VIBRATORY EQUIPMENT ON SOILS WITH HIGH MOISTURES CAN CAUSE UNSTABLE CONDITIONS.
TRENCH BACKFILL

ALL UTILITY LINES SHOULD BE BEDDED AND SHADED TO AT LEAST 6 INCHES OVER THE TOP OF THE LINES WITH CRUSHED ROCK (¾-INCH-DIAMETER OR GREATER) OR WELL-GRADED SAND AND GRAVEL MATERIALS CONFORMING TO THE PIPE MANUFACTURER'S REQUIREMENTS. OPEN-GRADED SHADING MATERIALS SHOULD BE CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT AND WELL-GRADED MATERIALS SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION WITH VIBRATORY EQUIPMENT PRIOR TO PLACING SUBSEQUENT BACKFILL MATERIALS.
WHERE UTILITY LINES WILL CROSS PERPENDICULAR TO STRIP FOOTINGS, THE FOOTING SHOULD BE DEEPENED TO ENCASE THE UTILITY LINE, PROVIDING SLEEVES OR FLEXIBLE CUSHIONS TO PROTECT THE PIPES FROM ANTICIPATED FOUNDATION SETTLEMENT, OR THE UTILITY LINES SHOULD BE BACKFILLED TO THE BOTTOM OF FOOTING WITH SAND- CEMENT SLURRY OR LEAN CONCRETE. WHERE UTILITY LINES WILL PARALLEL FOOTINGS AND WILL EXTEND BELOW THE "FOUNDATION PLANE OF INFLUENCE," AN IMAGINARY 1:1 PLANE PROJECTED DOWN FROM THE BOTTOM EDGE OF THE FOOTING, EITHER THE FOOTING WILL NEED TO BE DEEPENED SO THAT THE PIPE IS ABOVE THE FOUNDATION PLANE OF INFLUENCE, OR THE UTILITY TRENCH WILL NEED TO BE BACKFILLED WITH SAND-CEMENT SLURRY OR LEAN CONCRETE WITHIN THE INFLUENCE ZONE. SAND-CEMENT SLURRY USED WITHIN FOUNDATION INFLUENCE ZONES SHOULD HAVE A MINIMUM COMPRESSIVE STRENGTH OF 75 PSI.

DEMOLITION NOTES

1. EXISTING UTILITIES SHOWN ARE SCHEMATIC AND FOR REFERENCE ONLY. CONTRACTOR TO EXPOSE (E) UTILITIES PRIOR OR DURING DEMOLITION/EXCAVATION TO EXPOSE (E) UTILITY SERVICES TO CONFIRM LOCATION AND DEPTH SUFFICIENT TO ALLOW CONSTRUCTION OF PLANNED PAVEMENT.
2. THIS PLAN SHOWS GENERAL LIMITS OF DEMOLITION AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK NECESSARY TO INSTALL NEW UTILITIES, SITE WORK, PAVING, ETC.
3. CLEAR AND GRUB WITHIN LIMITS OF DEMOLITION.
4. REFER TO GRADING & DRAINAGE PLAN FOR LIMITS OF PROPOSED PAVING.
5. SEE ARCHITECTURAL PLAN FOR TREE REMOVAL
6. ADJUST (E) UTILITY STRUCTURES WITHIN LIMITS OF DEMO TO REMAIN TO FINISH GRADE.
7. AT LIMIT OF WORK LOCATIONS, SAWCUTS SHALL BE NEAT AND SQUARE. SAWCUTS IN CONCRETE SHALL BE AT EXISTING JOINTS OR SCORE MARKS.
8. PROTECT ALL (E) BUILDINGS, STRUCTURES, AND UTILITIES TO REMAIN AND VERIFY EXISTING FEATURES WILL NOT BE IMPACTED BY DEMOLITION ACTIVITIES.

SPECIFICATIONS

1. HEADERS SHALL BE CONSTRUCTION HEART GRADE REDWOOD, PER PARAGRAPH 114 OF THE STANDARD SPECIFICATIONS FOR GRADES OF CALIFORNIA REDWOOD LUMBER.
2. STAKES SHALL BE REDWOOD OF GRADE SPECIFIED FOR HEADERS.
3. NAILS SHALL BE COMMON, GALVANIZED, 12D MINIMUM.
4. ASPHALTS SHALL COMPLY WITH THE FOLLOWING PROVISIONS OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 203-1: PAVING ASPHALT - AR 4000; PRIME COAT - SC250; AND TACK COAT - SS-1H.
5. HOT PLANT MIXED ASPHALTIC CONCRETE PAVING MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 203-6 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKKS CONSTRUCTION: BASE COURSE MIX - B; PARKING AREA DRIVE MIX - C2; HARDSCAPE AREA PLAY MIX - D2.
6. ASPHALT CONCRETE PAVING MIX SHALL HAVE 5 TO 7 PERCENT ASPHALT CEMENT CONTENT BY WEIGHT IN ACCORDANCE WITH TAI PUBLICATION MS-2.
7. SEAL COAT SHALL BE GUARDTOP MANUFACTURED BY INDUSTRIAL ASPHALT INC., (909) 626-1258.
8. GRANULAR BASE MATERIAL SHALL BE SPREAD TO COMPACTED THICKNESS SHOWN ON THE PLANS. COMPACT TO AT LEAST 95 PERCENT RELATIVE COMPACTION.
9. GRANULAR BASE THICKNESS TOLERANCE SHALL BE MINUS 0.0 INCH TO PLUS 0.5 INCH. SMOOTHNESS TOLERANCE SHALL BE ¾ INCH IN 10 FEET. DEVIATIONS SHALL BE CORRECTED BY REMOVING MATERIALS, REPLACING WITH NEW MATERIALS, AND REWORKING OR RECOMPACTING AS REQUIRED. MOISTURE CONTENT SHALL BE ONLY THE AMOUNT NEEDED TO ACHIEVE THE SPECIFIED COMPACTION.
10. FOR PLACEMENT OF ASPHALTIC CONCRETE FINISHED PAVING: REMOVE ALL LOOSE MATERIALS FROM COMPACTED BASE; APPLY PRIME COAT AT THE RATE OF 0.10 AND 0.25 GALLON PER SQUARE YARD TO ALL AREAS TO BE PAVED; APPLY TACK COAT AT THE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD TO ALL EXISTING PAVEMENT, CURBS, GUTTERS, MANHOLES, AND THE LIKE IMMEDIATELY BEFORE ASPHALT CONCRETE IS PLACED; ADJUST FRAMES AND COVERS, IF SO REQUIRED, TO MEET FINAL GRADES.
11. FOR SPREADING ASPHALTIC CONCRETE MATERIALS: SPREAD MATERIAL IN A MANNER WHICH REQUIRES THE LEAST HANDLING; SPREAD ASPHALT CONCRETE TO THICKNESS SHOWN ON PLANS; SPREAD IN ONE LAYER WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE 3 INCHES OR LESS; SPREAD IN TWO LAYERS WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE MORE THAN 3 INCHES, SURFACE COURSE SHALL BE A MINIMUM OF 1 INCH THICK.
12. FOR ROLLING: AFTER MATERIAL HAS BEEN SPREAD TO PROPER DEPTH, ROLL UNTIL THE SURFACE IS HARD, SMOOTH, UNYIELDING, AND TRUE TO THE THICKNESS AND ELEVATIONS SHOWN; ROLL IN AT LEAST TWO DIRECTIONS UNTIL NO ROLLER MARKS ARE VISIBLE.
13. BITUMINOUS CONCRETE PAVING SHALL: BE FREE FROM BIRDBATHS, HAVE A MAXIMUM FLATNESS VARIATION OF ¼ INCH IN 6 FEET, HAVE COMPACTED THICKNESS WITHIN ½ INCH, AND HAVE VARIATION FROM TRUE ELEVATION WITHIN ½ INCH.

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APPL #

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Walnut Creek, CA

TRUE

Drawing Record

REV	DESCRIPTION	DATE
	ADDENDUM 2	2/25/2026

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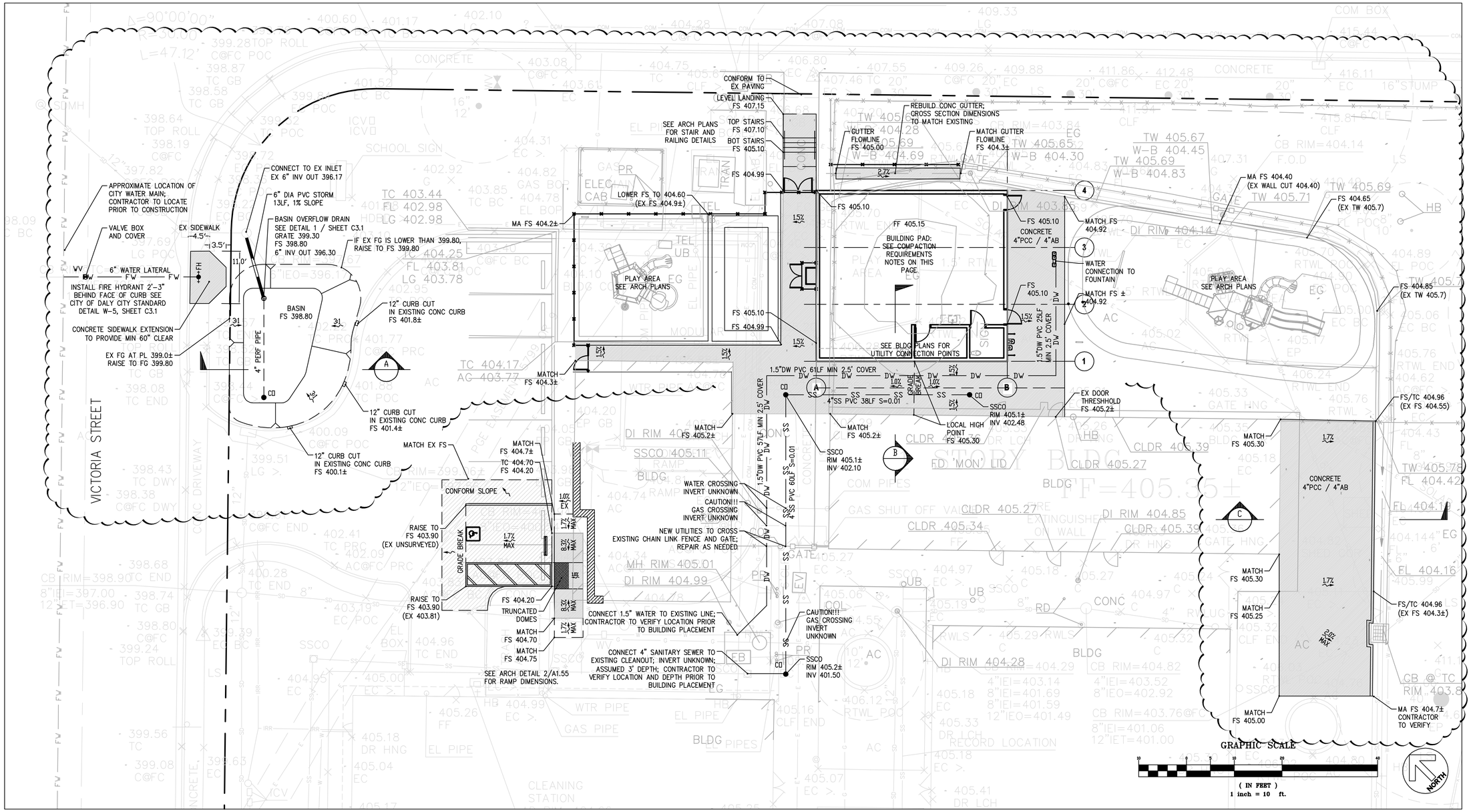
Engineer

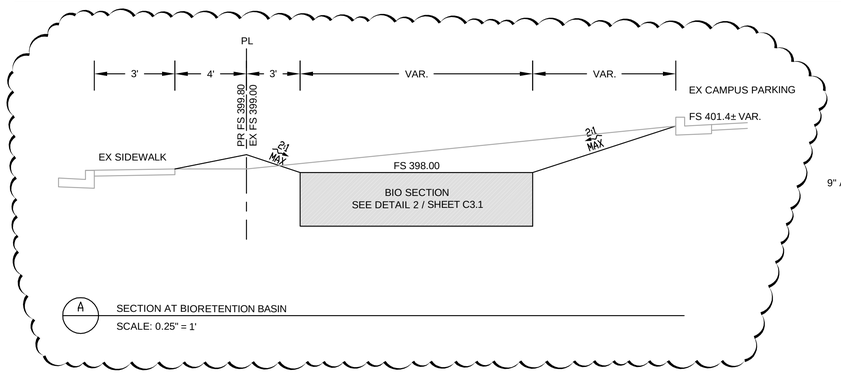
REGISTERED PROFESSIONAL ENGINEER TIMOTHY P. HEFFERNAN No. 67089 Exp. 9/30/26 CIVIL STATE OF CALIFORNIA

Project
JUNIPERO SERRA ES MODULAR
151 Victoria St.
Daly City, CA 94015
2516.00

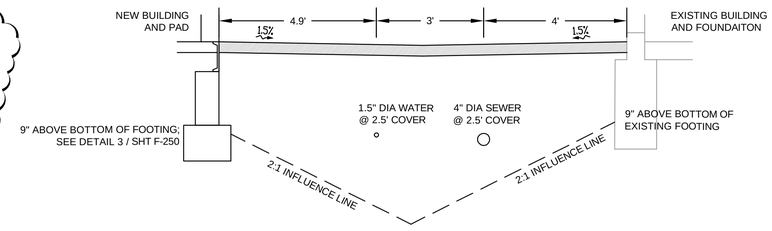
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EXISTING CONDITIONS AND DEMOLITION PLAN

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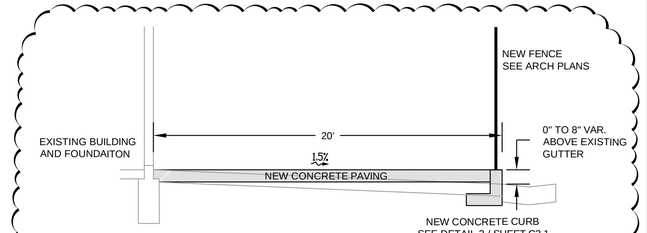




A SECTION AT BIORETENTION BASIN
SCALE: 0.25" = 1'



B SECTION AT UTILITY TRENCH BETWEEN BUILDINGS
SCALE: 0.5" = 1'



C SECTION AT UTILITY TRENCH BETWEEN BUILDINGS
SCALE: 0.25" = 1'

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TRUE NORTH

Drawing Record

REV	DESCRIPTION	DATE
	ADDENDUM 2	2/25/2026

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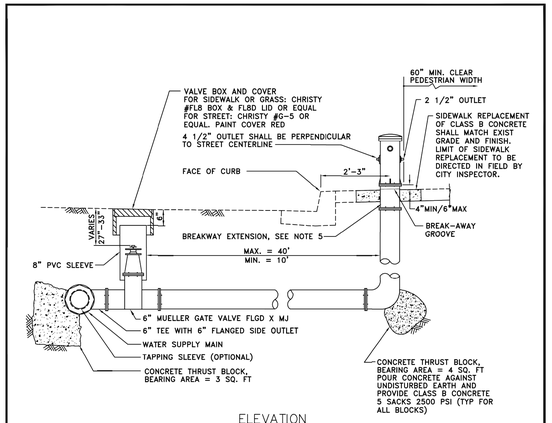
Engineer

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY P. HEFFERNAN
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Project
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151 Victoria St.
Daly City, CA 94015
2516.00

Sheet
GRADING, PAVING AND UTILITY PLAN

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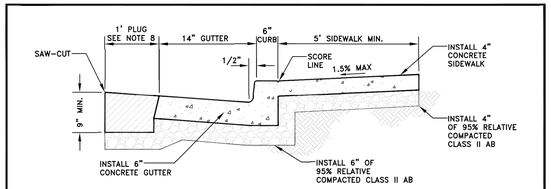


ELEVATION

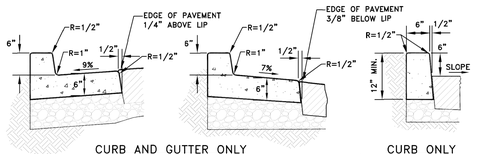
NOTE:

1. THE FIRE HYDRANT SHALL BE PAINTED CHROME YELLOW ENAMEL CONFORMING TO AWWA STANDARD C503, DUNN-EDWARDS-SYN-LUSTRO #10-14 HIGH VISIBILITY YELLOW-INDUSTRIAL MAINTENANCE ENAMEL. PRIOR TO CONTRACTOR'S REQUEST FOR CITY PUNCH LIST, DAMAGED PAINT AREAS SHALL BE RETOUCHED AND ONE ADDL. OVERALL FINISH COAT SHALL BE APPLIED.
2. BLUE REFLECTORIZED MARKER SHALL BE INSTALLED 0.75' OFF CENTER LINE OF STREET ON THE SIDE TOWARD THE FIRE HYDRANT.
3. HYDRANT SHALL HAVE A MINIMUM 3' CLEARANCE FROM ANY ADJACENT FIXED OBJECT.
4. THE WATER SUPPLY MAIN FOR FIRE HYDRANT SHALL HAVE A MINIMUM OF 6" DIAMETER.
5. BREAKAWAY EXTENSIONS SHOULD NOT BE SHORTER THAN 6" NOR LONGER THAN 12".
6. TO ALLOW CONTINUAL FIRE DEPARTMENT ACCESS WHEREVER FEASIBLE, VALVE LOCATION SHALL BE OUTSIDE OF PARKING LANE.
7. ALL MECHANICAL JOINTS SHALL BE PROVIDED WITH APPROVED JOINT RESTRAINT DEVICES, "MEGALUGS" BY EBBA, OR EQUAL.
8. CITY TO PROVIDE "COLOR CODED" OUTLET CAPS PER NFPA STANDARD 291.

CITY OF DALY CITY, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL
WATER MAIN CONNECTION - FIRE HYDRANTS (COMMERCIAL AREA)	W-5
REVIEWED BY: CITY ENGINEER — ADOPTED ON: DEC 10, 2018 CITY COUNCIL	DATE: NOV 2018



MONOLITHIC CURB, GUTTER & SIDEWALK



CURB AND GUTTER ONLY
(APPLICABLE WHERE APPROVED BY CITY ENGINEER)

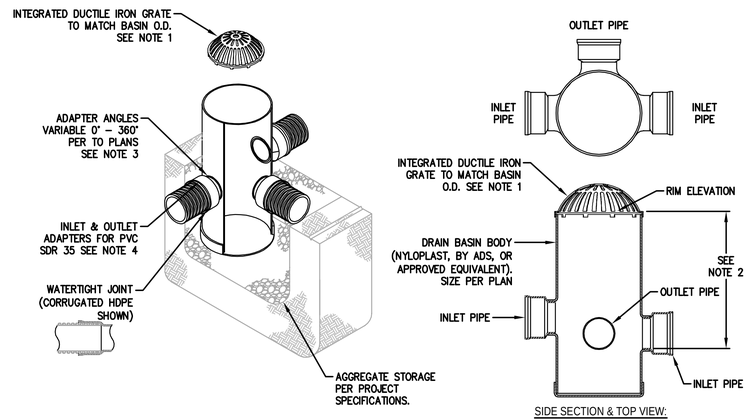
CURB ONLY
(APPLICABLE AT MEDIAN ISLAND CURBS WHERE CROSS SLOPE DRAINS AWAY FROM CURB)

NOTES:

1. WHERE A NEW SIDEWALK IS TO BE CONSTRUCTED, THE SIDEWALK SHALL BE EXTENDED UP TO AN ADDITIONAL 35 FEET OR 25%, WHICHEVER IS GREATER TO CONNECT WITH AN EXISTING SIDEWALK.
2. ALL CONCRETE DEMOLITION SHALL BE TO SCORE LINES OR JOINTS. ALL CUTS SHALL BE SAWED NEAT AND STRAIGHT AND SHALL HAVE A MINIMUM DEPTH OF 1-1/2". WATER USED FOR SAWCUTTING OPERATIONS SHALL BE VACUUMED IMMEDIATELY.
3. ALL NEW CONCRETE SHALL BE CLASS A, SIX SACK CEMENT, USING 1-1/2" MAX SIZE AGGREGATE. ALL NEW CONCRETE SHALL HAVE LAMP BLACK TO MATCH COLOR OF ADJACENT CONCRETE AND FINISHED UNIFORM FINE BROOMED TEXTURE. CURING SHALL BE BY NO-PIGMENTED CURING COMPOUND METHOD.
4. 1/4" WIDE EXPANSION JOINTS SHALL BE PLACED AT 20' INTERVALS, AT CURB RETURNS, AND AT ENDS OF DRIVEWAY APRONS. NEW SIDEWALKS SHALL BE SCORED AT 4' INTERVALS AND ALONG BACK OF SIDEWALK. LONGITUDINAL SCORES ARE REQUIRED AT THE CITY ENGINEER'S DIRECTION FOR SIDEWALK WIDTHS GREATER THAN 5'. REPLACEMENT SHALL BE SCORED TO MATCH CONTIGUOUS EXISTING SIDEWALK AND CURB.
5. IMPRINT A 4-INCH HIGH LETTER "S" ON TOP OF CURB AT SEWER LATERAL CROSSING AND "W" AT WATER LATERAL CROSSING.
6. CONTRACTOR SHALL CALL FOR INSPECTION OF FORMING, POURING AND COMPLETION, GIVING 24-HOURS ADVANCE NOTICE.
7. IF ANY CURB, GUTTER, OR SIDEWALK ARE EXISTING, NEW CURB, GUTTER, OR SIDEWALK SHALL DOWEL INTO EXISTING CONCRETE EVERY 18". USE 9" LONG No.4 DOWELS, INSERTED MIN. 4" INTO EXISTING CONCRETE.
8. FOR ANY CURB, GUTTER, OR DRIVEWAY REPAIR, SAW-CUT AND REMOVE 1 FOOT WIDE SECTION OF AC PLUG, MIN. 9" DEPTH BACKFILL WITH HMA 1/2" AGGREGATE.

WORK WITHIN CITY RIGHT-OF-WAY REQUIRES ENCROACHMENT PERMIT FROM CITY'S ENGINEERING DIVISION

CITY OF DALY CITY, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL
CURB, GUTTER & SIDEWALK	S-2
REVIEWED BY: CITY ENGINEER — ADOPTED ON: DEC 10, 2018 CITY COUNCIL	DATE: NOV 2018



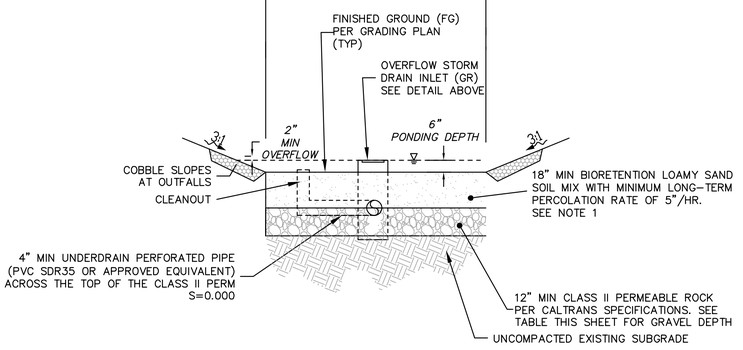
SIDE SECTION & TOP VIEW:
ENLARGED TO SHOW DETAIL

NOTES:

1. DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS SEE MANUFACTURER'S DRAWING NO. 7001-110-065.
3. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE MANUFACTURER'S DRAWING NO. 7001-110-012.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR PVC PIPE.
5. PIPE ORIENTATIONS SHOWN ARE SCHEMATIC. REFER TO PLAN FOR INLET AND OUTLET PIPE LOCATIONS.

1 BIORETENTION AREA OVERFLOW STRUCTURE

N.T.S.

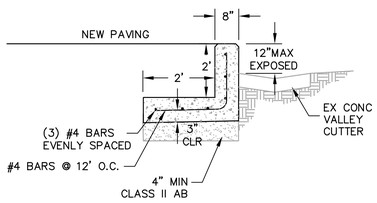


NOTE:

ALL PERFORATED PIPE SHALL HAVE A MINIMUM OF THREE ¾" DIAMETER HOLES, EQUALLY SPACED HOLES FACING DOWN AND NOT LESS THAN THREE HOLES PER LINED FOOT OF PIPE.

2 BIORETENTION AREA

NTS



3 CURB WALL AT VALLEY GUTTER

NTS

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APPL #

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Walnut Creek, CA

TRUE

Drawing Record

REV	DESCRIPTION	DATE
	ADDENDUM 2	2/25/2026

Printed:

Engineer

REGISTERED PROFESSIONAL ENGINEER TIMOTHY P. HEFFERNAN No. 67089 Exp. 9/30/26 CIVIL STATE OF CALIFORNIA

Project
JUNIPERO SERRA ES MODULAR

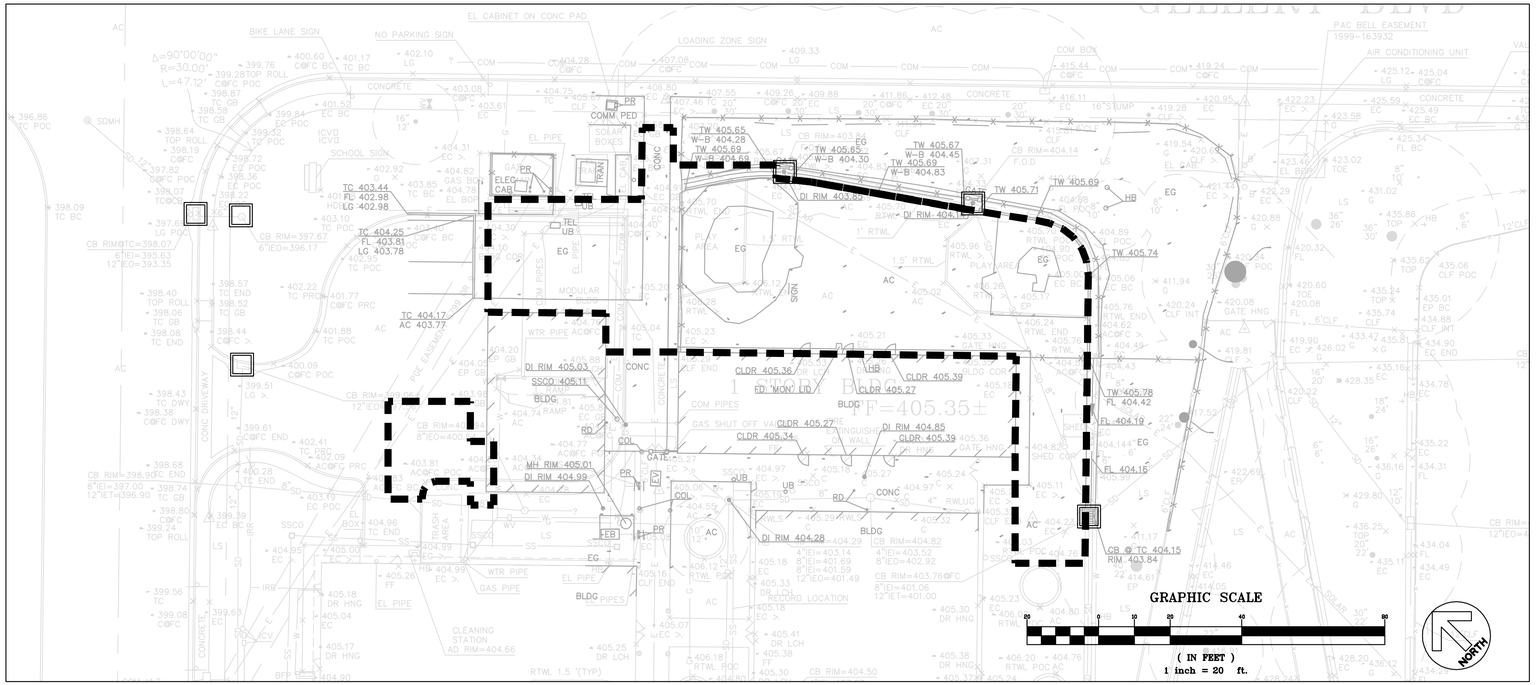
151 Victoria St.
Daly City, CA 94015

2516.00

Sheet
CIVIL DETAILS

C3.1

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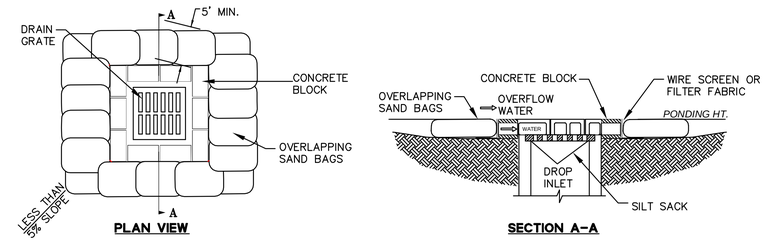
EROSION CONTROL LEGEND:

SEDIMENT BARRIER
SEE DETAIL 1 BELOW

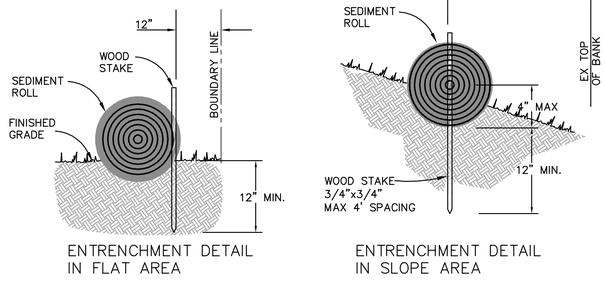
FIBER ROLL
SEE DETAIL 2 BELOW

EROSION CONTROL NOTES AND SPECIFICATIONS:

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN EFFECT AND MAINTAINED BY THE CONTRACTOR ON A YEAR-ROUND BASIS UNTIL ALL DISTURBED CITY AREAS ARE STABILIZED.
2. ALL INLETS RECEIVING STORM WATER RUNOFF FROM THE PROJECT AREA MUST BE EQUIPPED WITH REQUIRED INLET PROTECTION.
3. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF ENTERING THE STORM DRAIN SYSTEM.
4. THE CONTRACTOR SHALL ADJUST THE EROSION CONTROL LAYOUT FOR SITE CONDITIONS. SEDIMENT LADEN RUNOFF SHALL NOT BE ALLOWED TO LEAVE THE SITE WITHOUT BEING ADEQUATELY FILTERED OR DETAINED TO ALLOW SETTLEMENT.
5. CONTRACTOR SHALL ALSO PROVIDE A QUALIFIED SWPPP PRACTITIONER TO IMPLEMENT ALL SWPPP NEEDS ON SITE FOR THE DURATION OF CONSTRUCTION.
6. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SEDIMENT AND SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE. FABRIC-WRAPPED CINDER BLOCKS, SAND BAGS, FIBER ROLLS AND SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT BARRIERS SHOWN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED.
8. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE AT ALL TIMES UNTIL VEGETATION IS ESTABLISHED ON DISTURBED SURFACES.
9. HYDROSEED AND INITIAL LANDSCAPE PLANTING SHALL BE IN-PLACE NO LATER THAN SEPTEMBER 15. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIAL WATERING OF AREAS TO ESTABLISH GROWTH AND STABILIZE SLOPES BY OCTOBER 1.
10. DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT AND SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
11. ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED.
12. BORROW AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES ETC.) TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.
13. ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY.
14. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES.
15. DURING PERIODS WHEN STORMS ARE FORECASTED: EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS; ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY; WHERE STOCKPILING IS NECESSARY, USE A TARPAULIN OR SURROUND THE STOCKPILED MATERIAL WITH STRAW BALES, SILT FENCE, OR OTHER RUNOFF CONTROLS; USE INLET CONTROLS FOR STORM DRAINS ADJACENT TO THE STOCKPILED; THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION AND PLACEMENT.
16. DURING PERIODS WHEN STORMS ARE NOT FORECASTED: PREVENT STOCKPILED MATERIAL FROM ENTERING THE STORM DRAIN SYSTEM; THOROUGHLY REMOVE LOOSE SOIL VIA SWEEPING FOLLOWING REMOVAL OF DIRT.
17. OPEN SPACE AREAS ARE TO BE PLANTED BY SEPTEMBER 15. IF THIS CONDITION IS NOT MET, CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.
18. DURING CONSTRUCTION, THE MAINTENANCE OF SUMMERTIME DRAINAGE THROUGH THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION, MAINTAIN SITE TO DRAIN END OF EVERY SHIFT.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH WORK DAY DURING THE RAINY SEASON AND/OR AS NEEDED.
20. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DURING GRADING OPERATION, BEFORE OCTOBER 1 AND PRIOR TO INSTALLATION OF STORM DRAINAGE SYSTEM. SUCH ADDITIONAL MEASURES WILL BE CONTINGENT UPON THE STAGE OF GRADING OPERATION.
21. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AND MAKE ALL NECESSARY REPAIRS AFTER EACH STORM EVENT AND/OR AS NEEDED.
22. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH WORKING DAY.
23. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND DESIGNATING AREAS FOR SOIL AND CONSTRUCTION MATERIALS STORAGE, AND WASTE COLLECTION AREAS. AREAS ARE TO BE COVERED AND SURROUNDED BY EARTHERN BERMS AND/OR OTHER CONTAINMENT MEASURES.
24. VACUUM SAW-CUTTING SLURRY IMMEDIATELY AND REMOVE FROM SITE. DO NOT ALLOW SAW-CUT SLURRY TO ACCUMULATE ON SURROUNDING PAVEMENT OR ENTER THE STORM WATER CONVEYANCE SYSTEM.



1 **STORM INLET SEDIMENT BARRIER**
NTS



INSTALLATION PROCEDURE

1. FIBER ROLLS ARE TUBES MADE FROM POROUS BIODEGRADABLE FIBER STUFFED IN A PHOTO-DEGRADABLE OPEN WEAVE NETTING. THEY ARE APPROX. 8" DIAMETER.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 2"-4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. ROLLS SHOULD BE ABUTTED SECURELY TO PROVIDE A TIGHT JOINT, NOT OVERLAPPED.
3. TURN ENDS OF FIBER ROLLS UPSLOPE.
4. SILT BUILD-UP AT THE UPSLOPE SIDE OF FIBER ROLLS SHALL BE REMOVED WHEN THE DEPRESSION BECOMES 50% FULL.
5. ANY PLACE WHERE WATER HAS ERODED UNDER THE FIBER ROLL SHALL BE IMMEDIATELY FILLED AS NECESSARY TO PREVENT RECURRENCE.

2 **FIBER ROLL**
NTS

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FILE#
APPL #

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TRUE

Drawing Record

REV	DESCRIPTION	DATE
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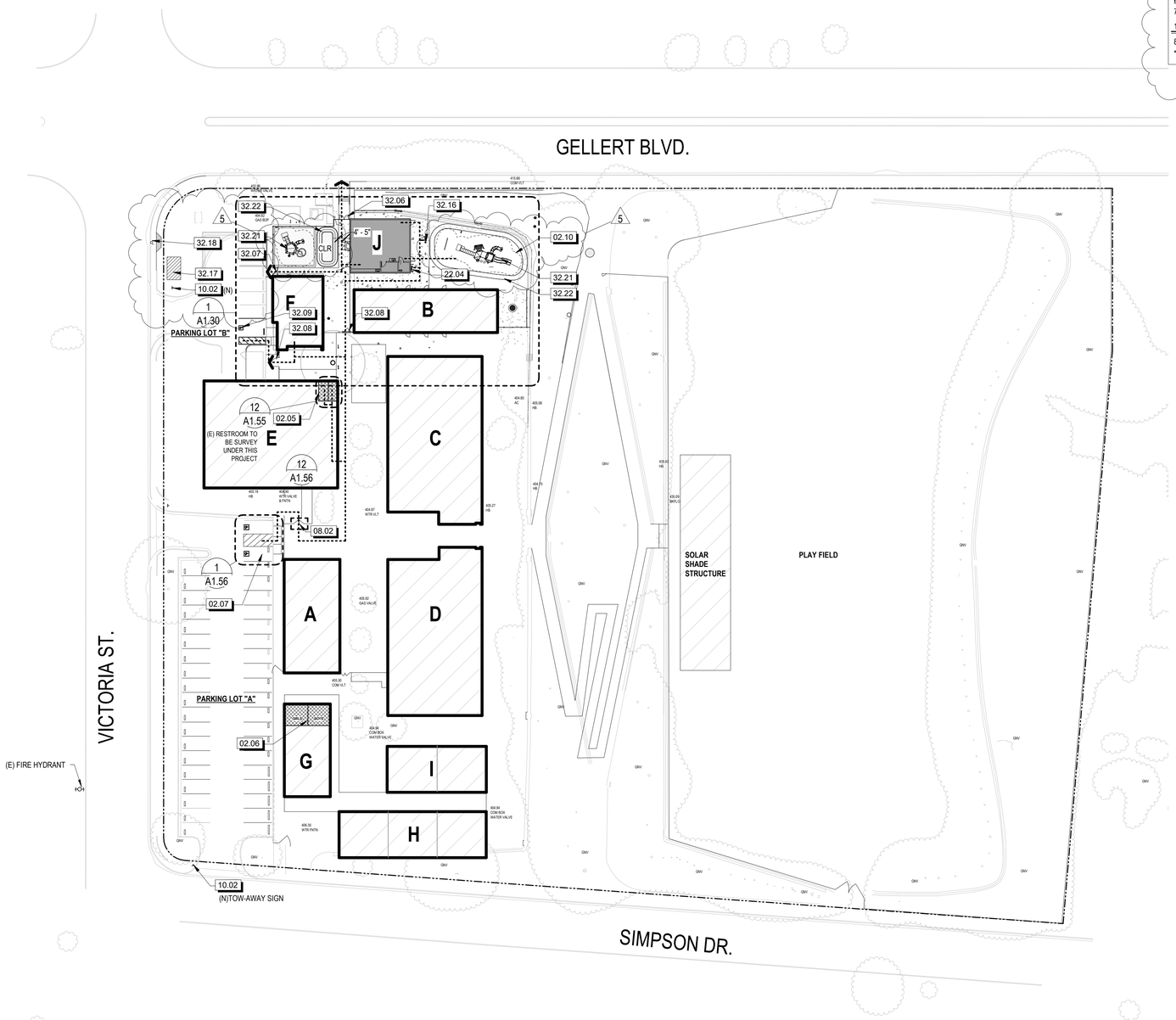
Engineer

REGISTERED PROFESSIONAL ENGINEER TIMOTHY P. HEFFERNAN No. 67089 Exp. 9/30/26 CIVIL STATE OF CALIFORNIA

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Sheet
EROSION CONTROL PLAN AND DETAILS

C4.0



PARKING ANALYSIS

PARKING LOT "A" (USERS: STAFF & VISITORS)

38	STANDARD PARKING STALLS
2 *	ACCESSIBLE STALLS (ONE VAN)
40	TOTAL STALLS

* 2 ACCESSIBLE STALLS REQUIRED PER 2022 CBC TABLE 11B-208.2

PARKING LOT "B" (USERS: STAFF)

7	STANDARD PARKING STALLS
1 *	ACCESSIBLE STALLS (ONE VAN)
8	TOTAL STALLS

* 1 ACCESSIBLE VAN STALL REQUIRED PER 2022 CBC TABLE 11B-208.2

PATH OF TRAVEL

1. PATH OF TRAVEL (P.O.T.), TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE: ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. THERE IS NO DROP-0FF OVER 4" AT THE EDGE OF WALK OR LANDING. ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
2. (E) CLASSROOMS EXIT DIRECTLY TO EXTERIOR, TYP.
3. (E) WALKWAYS ARE CONCRETE. U.O.N.
4. ALL THRESHOLDS TO BE 1/2" MAX, & BEVEL NOT TO EXCEED 1:2 SLOPE.
5. THE POT 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 POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 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 POT 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.
6. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."
7. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE PATH OF TRAVEL (POT) 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 POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 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 NON-COMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THE CONSTRUCTION DOCUMENTS.
8. DURING CONSTRUCTION, IF THE POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTRUCTION.
9. DESIGN PROFESSIONAL SURVEYED THE SITE AND ALL THE DOORS ALONG THE PATH OF TRAVEL COMPLY WITH 2022 CBC 11B-404. THRESHOLDS COMPLY WITH 2022 CBC 11B-303 WITH LEVEL LANDINGS AT 1:48 MAX ALLOWABLE SLOPE THROUGHOUT THE MANEUVERING CLEARANCE AREA PER 2022 CBC 11B-404.2.4.4.

SHEET NOTES

1. SEE SHEET A1.11 FOR CODE ANALYSIS AND LISTING OF DSA APPLICATION NUMBERS FOR EACH BUILDING.
2. SEE SHEET A1.11 FOR FIRE ACCESS.
3. SEE SHEET A1.12 FOR EGRESS ANALYSIS.

KEYNOTES

02.05	(E) ACCESSIBLE STAFF TOILET TO BE ALTERED.
02.06	(E) ACCESSIBLE STUDENT TOILETS (DSA APPL. #01-114437)
02.07	(E) ACCESSIBLE PARKING STALLS & AISLE. TO BE CERTIFIED AS PART OF THIS PROJECT.
02.10	DEMOLISH (E) PLAY STRUCTURE AND SURFACE-MOUNTED SAFETY TILES
08.02	EXISTING SECURITY DOUBLE DOOR (APPLICATION #01-114437). SEE DETAIL 12/A1.56. NOTE: NO DSA CERTIFICATION IS AVAILABLE. IT IS PART OF THIS PROJECT REQUIREMENTS TO CERTIFY THE SECURITY DOOR BASED ON FILED, VERIFIED DRAWINGS PROVIDED.
10.02	TOW AWAY SIGN AT PARKING LOT ENTRY. SEE DETAIL 6/A1.51
22.04	HI-LO WALL-MOUNTED DRINKING FOUNTAIN WITH WING WALLS PROVIDED BY MODULAR BUILDING MANUFACTURER. SEE DETAILS 1 & 2/A-5.81 IN THE MODULAR PC DRAWINGS.
32.06	NEW ACCESSIBLE DOUBLE EGRESS GATE. SEE DETAIL 7/A1.51.
32.07	NEW ACCESSIBLE EGRESS GATE. SEE DETAIL 9/A1.51.
32.08	NEW ACCESSIBLE EGRESS GATE TO BE INSTALLED WITHIN EXISTING FENCE. GATE SIMILAR TO DETAIL 9/A1.51 - GATE WIDTH TO MATCH (E) OPENING IN FENCE (3'-0" MIN CLEAR OPENING WIDTH).
32.09	PROVIDE VAN ACCESSIBLE STALL. SEE DETAIL 2/A1.55 & SHEET C2.0.
32.16	WHITE PAINTED GAMELINES ON ASPHALT. LINE WIDTH TO BE 3".
32.17	DRAINAGE BIOSWALE. SEE ALSO CIVIL DRAWINGS.
32.18	FIRE HYDRANT WITH SIDEWALK IMPROVEMENTS. SEE ALSO CIVIL DRAWINGS.
32.21	PLAY STRUCTURE BY PLAY EQUIPMENT VENDOR.
32.22	TRICYLE TRACK PAINTED ONTO ASPHALT

LEGEND

- ACCESSIBLE PATH OF TRAVEL (SEE NOTES ABOVE)
- NEW WORK/ BUILDING
- EXISTING BUILDING/ STRUCTURE TO REMAIN
- EXISTING STAFF OR STUDENT TOILET ROOM

SITE PLAN - ACCESSIBILITY 1
SCALE: 1" = 40'-0"

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FILE# 41-28
APPL # 01-122855

Client

Consultants

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Drawing Record

REV	DESCRIPTION	DATE
1	DSA PERMIT SET	12/10/25
2	DSA: V2	01/14/26
3	DSA: V3	01/20/26
4	ADD_01	02/06/26
5	ADD_02	02/25/26

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Architect

LICENSED ARCHITECT
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NO. C29266
REN. 8-31-27
STATE OF CALIFORNIA

Project
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Daly City, CA 94015

2516.00

Sheet
SITE PLAN - ACCESSIBILITY

A1.10

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BUILDING CODE ANALYSIS

* BASED ON 2012 SURVEY WITH 2025 AUGMENTATIONS

(E) BUILDING "A"
DSA APPLICATIONS: #01-32890, #01-34987 & #01-101202
USE (OCCUPANCY): ADMINISTRATION (B)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 9,000 SQUARE FEET
ACTUAL AREA: 2,750 SQUARE FEET

(E) BUILDING "C"
DSA APPLICATIONS: #01-32880, #01-32890 & #01-101202
USE (OCCUPANCY): CLASSROOM (E)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 9,500 SQUARE FEET
ACTUAL AREA: 6,600 SQUARE FEET

(E) BUILDING "B"
DSA APPLICATIONS: #01-32890, #01-34987 & #01-101202
USE (OCCUPANCY): KINDERGARTEN (E)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 9,500 SQUARE FEET
ACTUAL AREA: 2,670 SQUARE FEET

(E) BUILDING "D"
DSA APPLICATIONS: #01-32890, #01-34987 & #01-101202
USE (OCCUPANCY): CLASSROOM (B)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 9,500 SQUARE FEET
ACTUAL AREA: 6,600 SQUARE FEET

(E) BUILDING "F"
DSA APPLICATIONS: #01-114437
USE (OCCUPANCY): LIBRARY (A-3)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 6,000 SQUARE FEET
ACTUAL AREA: 1,498 SQUARE FEET

(E) BUILDING "E"
DSA APPLICATIONS: #01-32880, #01-32890 & #01-101202
USE (OCCUPANCY): MULTI-PURPOSE (A-3)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 6,000 SQUARE FEET
ACTUAL AREA: 6,230 SQUARE FEET

(E) BUILDING "E": AREA INCREASE CALCULATIONS

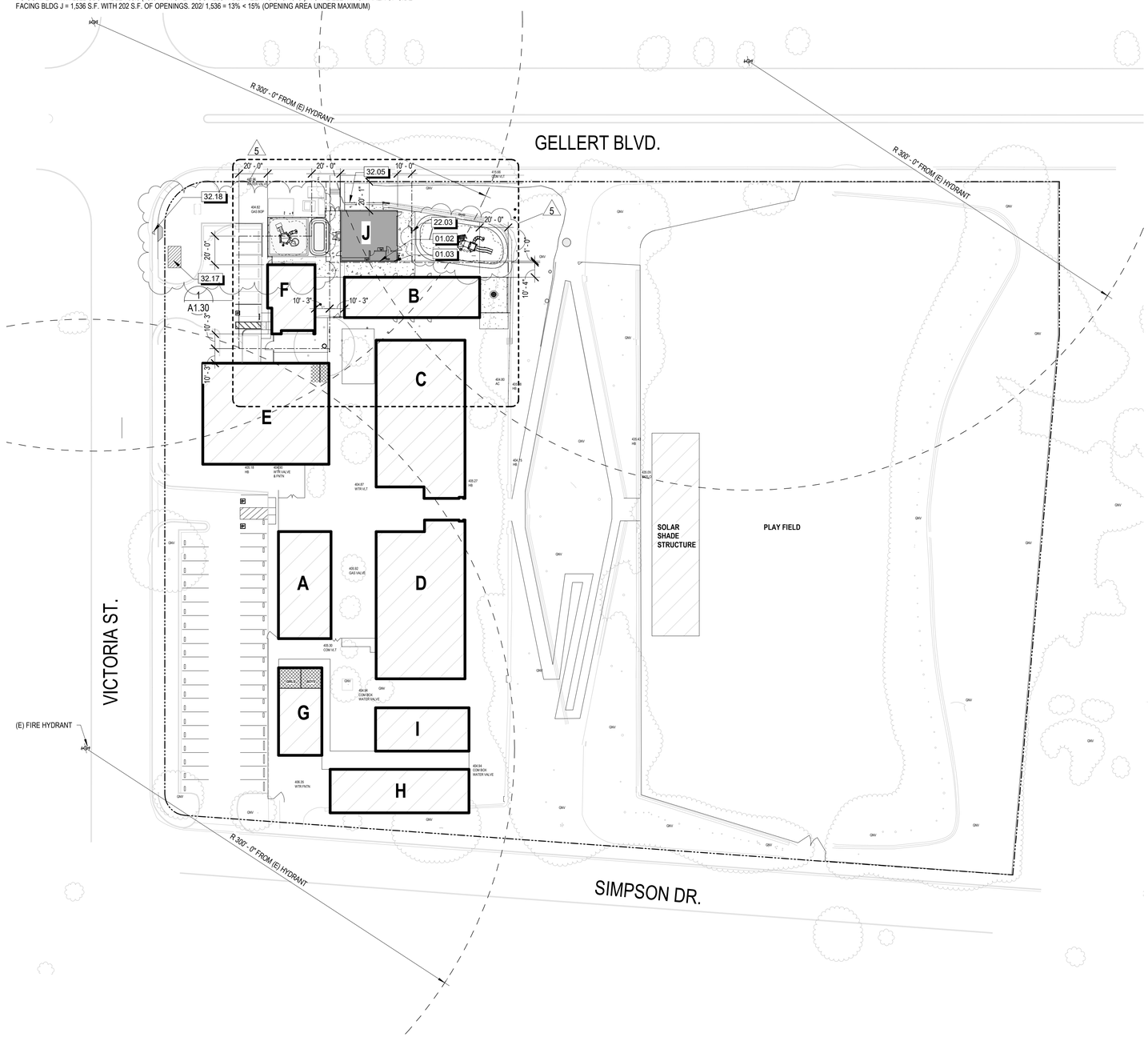
A_a (ALLOWABLE AREA PER 2022 CBC TABLE 506.2:		6,000 S.F.
A_t (TABULAR AREA PER 2022 CBC TABLE 506.2):		6,000 S.F.
NS (TABULAR AREA PER 2022 CBC TABLE 506.2 FOR NON-SPRINKLERED BUILDINGS):		6,000 S.F.
I_f (AREA FACTOR INCREASE PER 2022 CBC SECTION 506.3):		0.25 FEET
$A_a = A_t\ (6,000) + (NS\ (6,000)\ x\ I_f\ (0.25) =$		**7,500 SQUARE FEET**
6,230 S.F. (ACTUAL AREA) <	7,500 S.F. (ALLOWABLE AREA)	CONFORMS

**(N) BUILDING "J" *
DSA APPLICATIONS: THIS APPLICATION (01-122855)o
USE (OCCUPANCY): T-K CLASSROOM (E)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 9,500 SQUARE FEET
ACTUAL AREA: 1,430 SQUARE FEET

* **NOTE:** SEE KEYNOTES 1.02 & 1.03 (THIS SHEET) FOR COMPLIANCE WITH 2022 CBC TABLES 705.5 & 705.8.

(E) BUILDINGS "G, H, & I"
DSA APPLICATIONS: #01-114437
USE (OCCUPANCY): CLASSROOMS (E)
CONSTRUCTION TYPE: V-B (NOT SPRINKLERED)
ALLOWABLE AREA (2022 CBC): 9,500 SQUARE FEET
ACTUAL AREA: 6,612 SQUARE FEET (TOTAL)
2,880 S.F. (BLDG H)
1,920 S.F. (BLDG I)
1,812 S.F. (BLDG G)

TO COMPLY WITH 2022 CBC TABLE 705.8 (15% MAX OPENINGS ALLOW BETWEEN 10'-0" & 15'-0"): TOTAL ELEVATION AREA OF SIDE FACING BLDG J = 1,536 S.F. WITH 202 S.F. OF OPENINGS. 202/ 1,536 = 13% < 15% (OPENING AREA UNDER MAXIMUM)



SITE PLAN - FIRE SAFETY ANALYSIS 1
SCALE: 1" = 40'-0"

DSA 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:	South San Francisco Unified School District
Project Name/School:	Junipero Serra Elementary School: New modular classroom building (approx. 1,350 s.f.)
Project Address:	151 Victoria Street, Daly City, CA 94015

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 ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑		No ☐
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 ☐		No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

	CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			X	
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.			X	
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.	X			
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			X	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				X
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: Wazi Chowdhury Title: Director of Facilities & Safety

Signature: Wazi Chowdhury Digitally signed by Wazi Chowdhury Date: 2025.12.09 12:10:44 -08'00' Date: 12/09/25

LOCAL FIRE AUTHORITY (LFA) INFORMATION		
LFA Agency Name:	NORTH COUNTY FIRE AUTHORITY	
LFA Review Official:	Orlando Aguon	
Title:	Safety Inspector/ Investigator	Work Phone: 650-759-0403
Work Email:	Oaguon@northcountyfire.gov	

LFA Reviewer's Signature: Orlando Aguon Digitally signed by Orlando Aguon DN: cn=Orlando Aguon, o=North County Fire Authority, ou=Fire Prevention, email=Oaguon@northcountyfire.gov, c=US Date: 2025.12.17 08:49:11 -08'00' Date: 12/17/25

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — STATE OF CALIFORNIA — Page 2 of 4

DSA FORM 810 3
SCALE: 12" = 1'-0"

Daly City Water and Wastewater Resources
Water Operations
Fire Hydrant Flow Data

Test date: 10/14/25
Test time: 1749
Test conducted by: SA
Test witnessed by: PA

Supply Zone
Reservoir #: 6
Lower pump station: Res 6
Pumps on during test: 0
Maximum storage level: 28.02
Minimum storage level: 12.02
Storage level during test: 7.94

Test Location

		Static psi	Pitot psi	Orifice Size
		109	86	2.5"
Permit Number:	WS-10-25-110731			
Grid Map Series:	1969	Static psi	Pitot psi	Orifice Size
Grid Map #:	D-11			2.5"
Hydrant #:	22			
Water Main Diameter (in.):	8			
Address:	598 Victoria St			

Static /Residual Location

		Static psi	Residual psi
Grid Map Series:	1969		
Grid Map #:	D-11		
Hydrant #:	32	96	83
Water Main Diameter (in.):	6		
Address:	635 Gellert Blvd		

Observed Flow At Hydrant Tested	Observed GPM Flow Flow @ 20 PSI
1083	2810

$Q_R = Q_F \times (h_R^{0.54} / h_F^{0.54})$

Q_R= Flow available at desired residual pressure (20 PSI).

Q_F= Observed Flow= $29.83cd^2\sqrt{p}$ Where c=coefficient of 0.75, d^2=orifice diameter in inches squared, and $\sqrt{p}$=square root of the pitot pressure. (Calculated observed flow during test uses a pitot diffuser conversion for back pressure equal to a 0.75 coefficient.) *See note below.

h_R= Difference between static and desired residual pressure (20 PSI).

h_F= Difference between static and actual residual pressure.

STATIC	RESIDUAL	PITOT	OBSERVED Q	Q AT 20 PSI	Hr	Hf
93	83	80	1083	2810	10.37	4.62

Note: Fire systems are to be designed based on a public water main supply pressure not greater than sixty five (65) psi, regardless of the static pressures found to be greater. In cases where a fire flow is performed and the static presures are found to be lower than sixty five (65) psi then the lower pressure shall be used in the design of the fire system. DWWR, in consultation with the Fire Department, shall review designs not in keeping with this section.

Methods and formulas used in determining fire flow data conform to NFPA291 Recommended Practice for Fire Flow Testing and Marking of Hydrants, 1995 Edition.

Note: Observed flows were measured with a pitot diffuser and calculated to real flow based on the formula presented in the Journal of the AWWA, July, 1996, which calculates the internal diffuser pressure into flow.

Regardless of the result of the test, the City of Daly City Water//Wastewater Division assumes no liability beyond that stated in the following:

"The information was taken at a specific time and date and the utility water system varies in it's capability to meet the above criteria as a result of it's normal operation."

Greg Krauss, Chief of Operations

DWWR (12-9-2002 AGG) Updated (1-16-2007 AGG)

FIRE FLOW DATA 2
SCALE: 12" = 1'-0"

SHEET NOTES

1. SEE SHEET A1.10 FOR ACCESSIBILITY ANALYSIS.
2. SEE SHEET A1.12 FOR EGRESS ANALYSIS.

KEYNOTES

01.02	(N) BLDG J WALL (0' TO LESS THAN 3' PER 2022 CBC, TABLE 705.8) WITH NO OPENINGS PER TABLE 705.8). ALSO LESS THAN 5' = 1 HOUR-RATED PER 2022 CBC TABLE 705.5.
01.03	PARAPET AT (N) WALL (PER 2022 CBC, SECTION 705.11). FOR PARAPET DETAILS, SEE PC DRAWING DETAILS 3/A4.02N & 2/A3.02N.
22.03	HI-LO EXTERIOR PEDESTAL DRINKING FOUNTAIN
32.05	RELOCATED DRAINAGE SWALE - SEE ALSO CIVIL DRAWINGS
32.17	DRAINAGE BIOSWALE. SEE ALSO CIVIL DRAWINGS.
32.18	FIRE HYDRANT WITH SIDEWALK IMPROVEMENTS. SEE ALSO CIVIL DRAWINGS.

LEGEND

- EGRESS PATH
- ASSUMED PROPERTY LINE
- EXISTING FIRE HYDRANT
- NEW WORK/ BUILDING
- EXISTING BUILDING/ STRUCTURE TO REMAIN

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Architect

LICENSED ARCHITECT
LAWRENCE EDWARD SCHADT
NO. C29266
REN. 8-31-27
STATE OF CALIFORNIA

Project
JUNIPERO SERRA ES MODULAR
151 Victoria St.
Daly City, CA 94015
2516.00

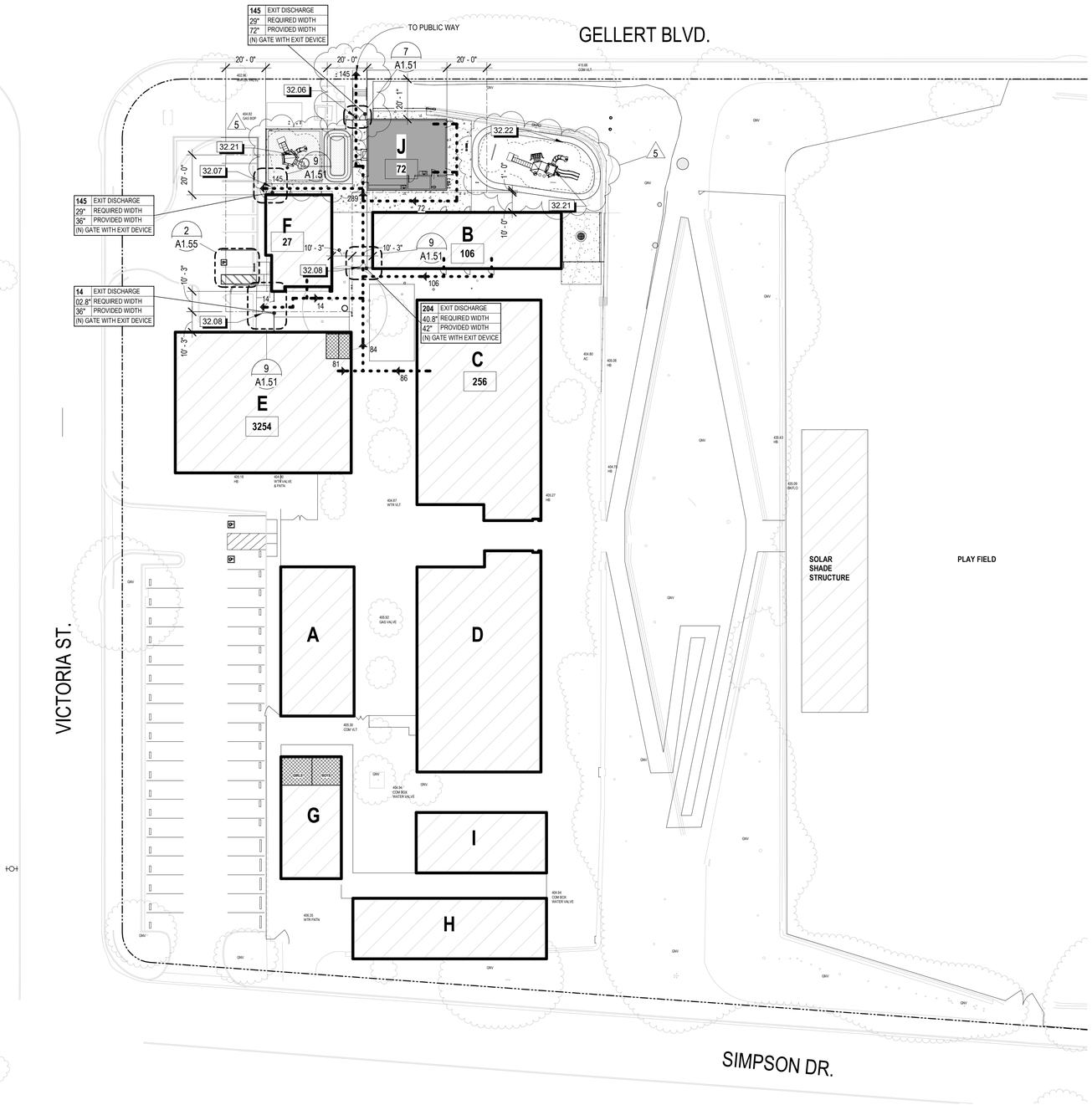
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SITE PLAN - FIRE SAFETY ANALYSIS

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SHEET NOTES

KEYNOTES

32.06	NEW ACCESSIBLE DOUBLE EGRESS GATE. SEE DETAIL 7/A1.51.
32.07	NEW ACCESSIBLE EGRESS GATE. SEE DETAIL 9/A1.51.
32.08	NEW ACCESSIBLE EGRESS GATE TO BE INSTALLED WITHIN EXISTING FENCE. GATE SIMILAR TO DETAIL 9/A1.51 - GATE WIDTH TO MATCH (E) OPENING IN FENCE (3'-0" MIN CLEAR OPENING WIDTH)
32.21	PLAY STRUCTURE BY PLAY EQUIPMENT VENDOR.
32.22	TRICYLE TRACK PAINTED ONTO ASPHALT

LEGEND

- E / 324 — BUILDING IDENTIFIER / OCCUPANT LOAD PER BUILDING
- EGRESS LOAD
- 81 — EGRESS DIRECTION
- EGRESS PATH
- ASSUMED PROPERTY LINE
- EXISTING FIRE HYDRANT
- NEW WORK/ BUILDING
- EXISTING BUILDING/ STRUCTURE TO REMAIN

SITE PLAN - EGRESS ANALYSIS 1
SCALE: 1" = 30'-0"

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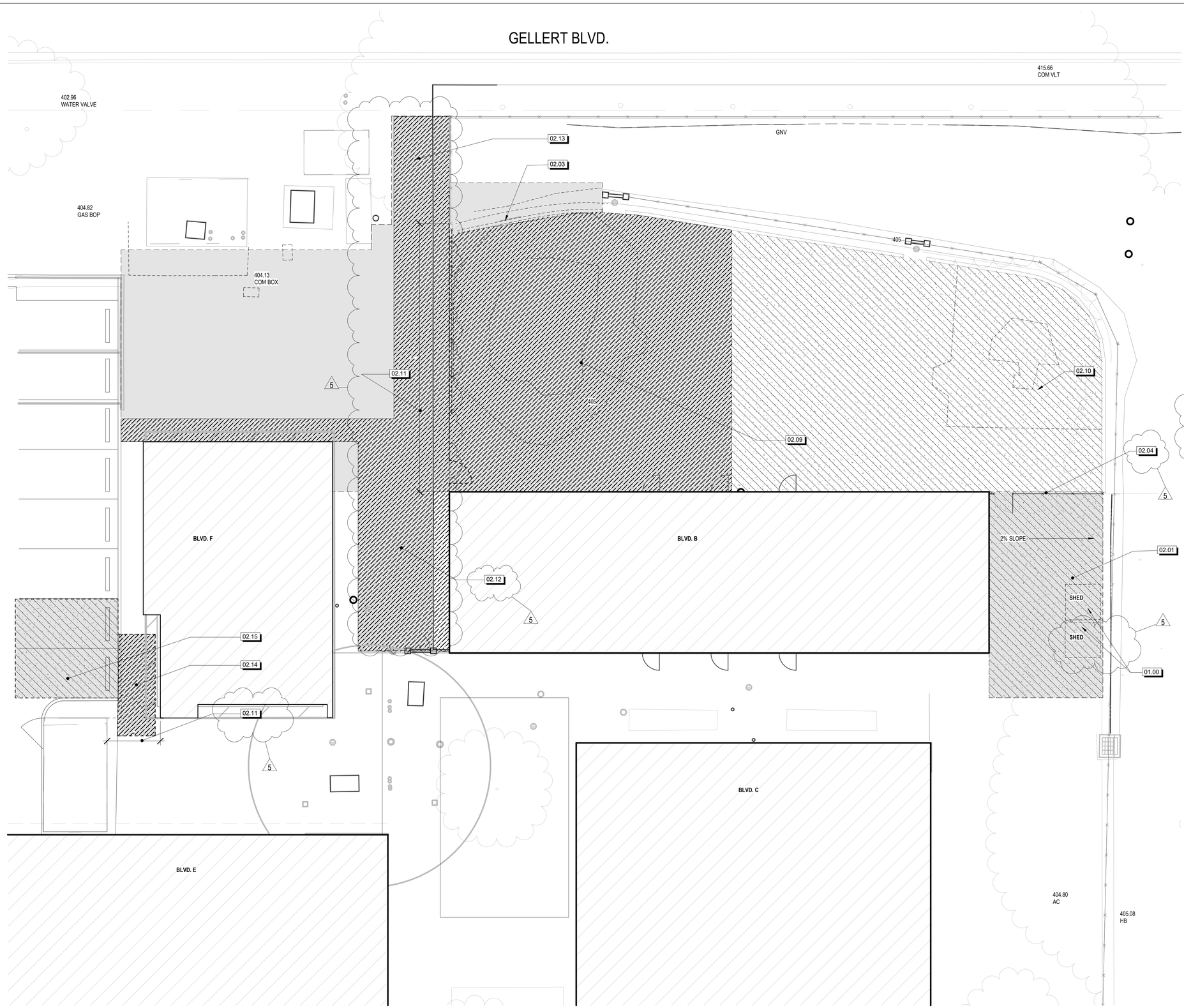
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SITE PLAN - EGRESS ANALYSIS

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ENLARGED SITE PLAN - DEMO 1

SCALE: 1/8" = 1'-0"

SHEET NOTES

KEYNOTES

01.00	RELOCATE (E) SHED
02.01	REPAVE ASPHALT TO UNDER 2% SLOPE
02.03	DEMO PORTION OF (E) FENCE, CONCRETE SEATWALL, AND SWALE AS SHOWN, AND REPOUR SWALE AND PROVIDE (N) FENCE
02.04	(E) FENCE AND GATE TO REMAIN
02.09	DEMOLISH (E) PLAY STRUCTURE (WITHIN FOOTPRINT OF NEW MODULAR BUILDING) AND SURFACE-MOUNTED SAFETY TILES
02.10	DEMOLISH (E) PLAY STRUCTURE AND SURFACE-MOUNTED SAFETY TILES
02.11	DEMO (E) FENCE AND GATE
02.12	SELECTIVE DEMO (E) CONC PAVING HERE FOR UTILITY TIE-IN. SEE ALSO CIVIL. ELECTRICAL, AND PLUMBING DRAWINGS.
02.13	DEMO (E) SLOPED WALK TO ACCOMODATE NEW MODULAR BUILDING
02.14	DEMO PORTION OF CONCRETE SIDEWALK FOR NEW PARALLEL CURB RAMP (SEE SHEET A1.30)
02.15	DEMO PORTION OF ASPHALT PAVED PARKING LOT FOR NEW ACCESSIBLE STALL (SEE SHEET A1.30)

LEGEND

- (E) BUILDING AREA
- WORK OF SCOPE AREA
- DEMOLISH (E) CONC. AND/ OR (E) PLAY STRUCTURE AND ASSOCIATED GROUND COVER
- DEMOLISH (E) ASPHALT FOR REPAVING

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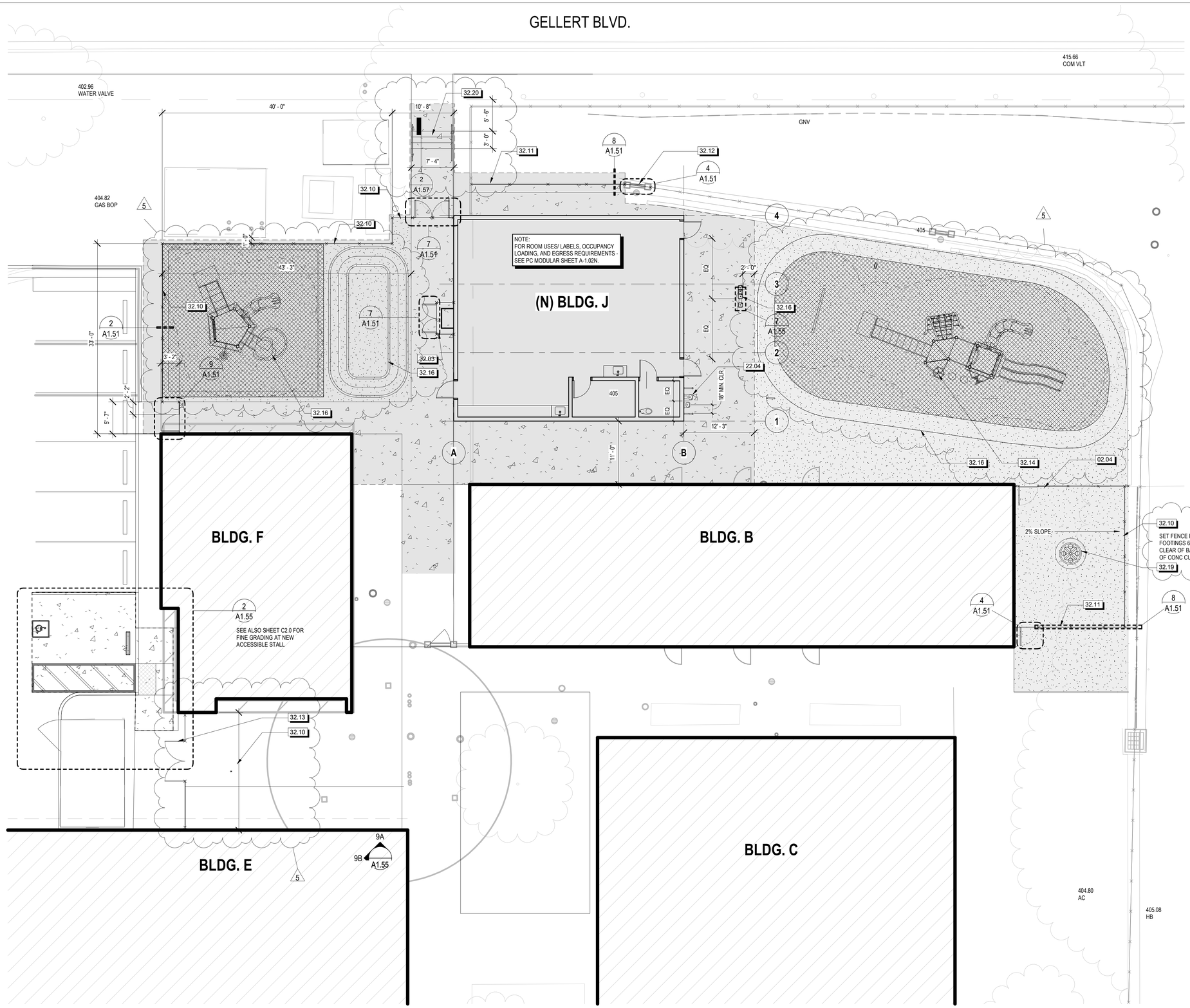
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ENLARGED SITE PLAN - DEMO

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ENLARGED SITE PLAN - NEW 1

SCALE: 1/8" = 1'-0"

SHEET NOTES

KEYNOTES

02.04	(E) FENCE AND GATE TO REMAIN
22.04	HI-LO WALL-MOUNTED DRINKING FOUNTAIN WITH WING WALLS PROVIDED BY MODULAR BUILDING MANUFACTURER. SEE DETAILS 1 & 2/A-5.81 IN THE MODULAR PC DRAWINGS.
32.03	6'-0"H DOUBLE MAINTENANCE GATE SIMILAR TO DOUBLE GATE PER 7/A1.51. NO PANIC HARDWARE THIS LOCATION. USE INSTEAD, ACCESSIBLE PULL/ YOKE PER 3/A1.51.
32.10	6'-0"H CHAINLINK FENCE. SEE 2/A1.55.
32.11	4'-0"H CHAINLINK FENCE. SEE 8/A1.55.
32.12	REPLACE (E) 4'-0" GATE RESULTING FROM CONCRETE SWALE RE-ALIGNMENT. SEE4/A1.51
32.13	6'-0" H DOUBLE EGRESS GATE. SEE 7/A1.51
32.14	KINDERGARTEN-LEVEL PLAY STRUCTURE OVER POURED-IN-PLACE SAFETY SURFACING. SYSTEM INSTALLED BY DISTRICT'S PLAY VENDOR.
32.16	WHITE PAINTED GAMELINES ON ASPHALT. LINE WIDTH TO BE 3".
32.19	BALL FUNNEL BY PLAY EQUIPMENT VENDOR.
32.20	CONCRETE STAIR AND STEEL HANDRAIL. SEED DETAILS 1 & 2/A1.57. SEE ALSO CIVIL DRAWINGS.

LEGEND

- SCOPE OF WORK AREA
- (E) BUILDING AREA
- LANDSCAPE
- CONCRETE
- ASPHALT
- FALL PROTECTION SURFACE (PIP) OVER ASPHALT. PIP INSTALLED BY OTHERS.

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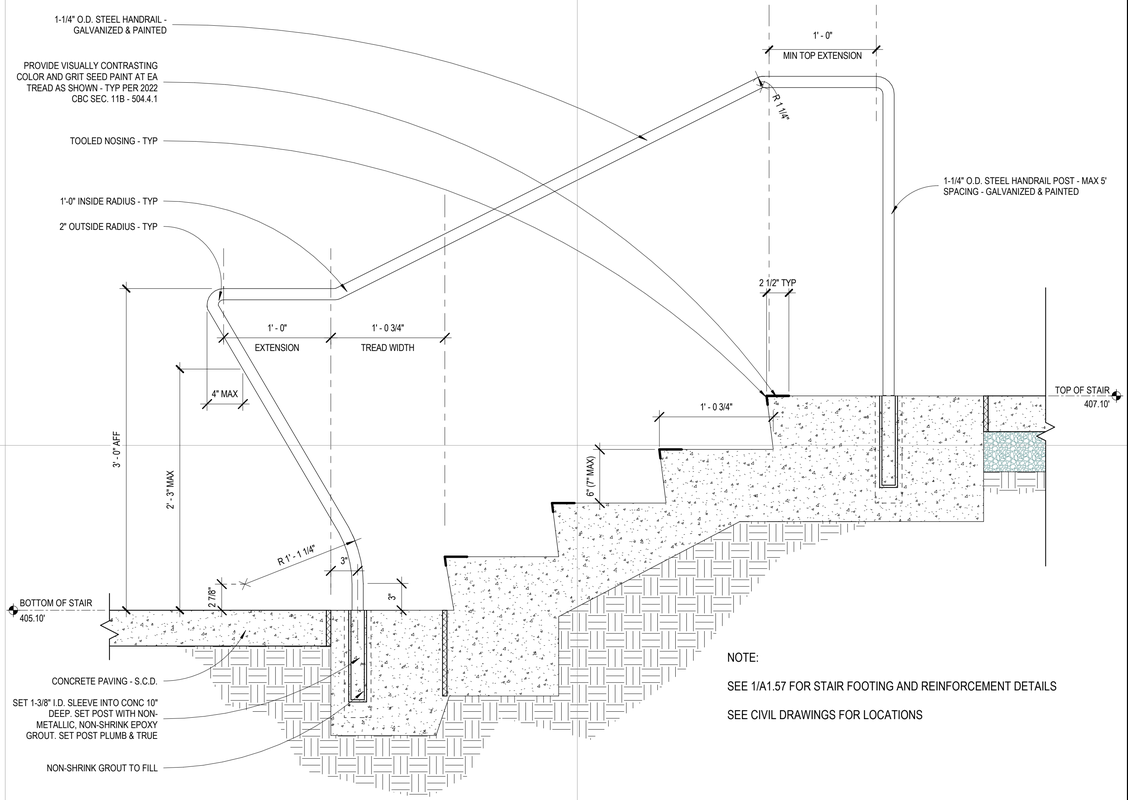
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ENLARGED SITE PLAN - NEW

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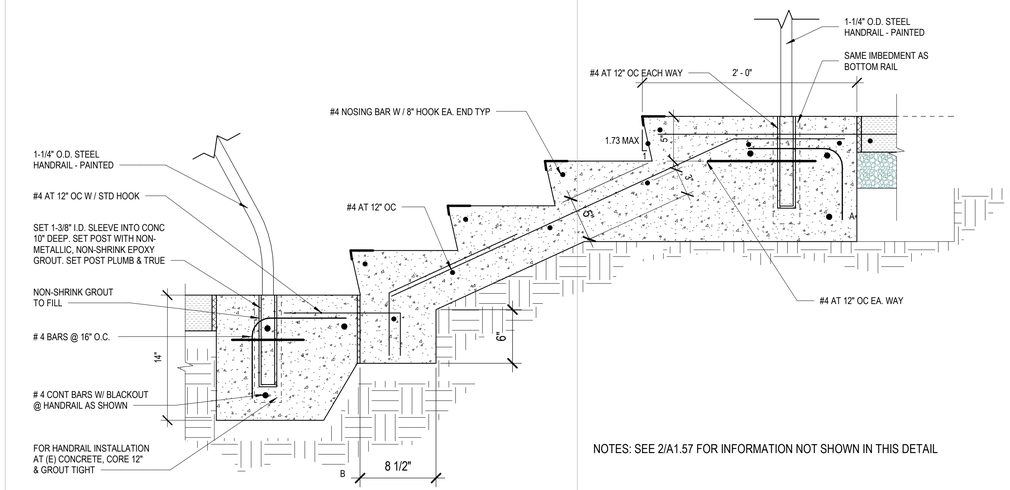
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CONCRETE STAIR & STEEL HANDRAIL 2

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



CONCRETE STAIR REINFORCEMENT 1

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

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MISCELLANEOUS DETAILS

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GENERAL ELECTRICAL NOTES

1. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, STATE LAWS, AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
2. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING JOB CONDITION. HE SHALL EXAMINE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND SHALL HAVE HAD VISITED THE CONSTRUCTION SITE, PRIOR TO SUBMITTING HIS BID PROPOSAL. HE SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART. DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING TEMPORARY FACILITIES AND CONNECTIONS REQUIRED FOR THE DURATION OF THE PROJECT.
3. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS, AND PAY ANY AND ALL FEES AS REQUIRED.
4. EXISTING ARCHITECTURAL SURFACES DISTURBED DURING CONSTRUCTION SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.
5. WORK SHOWN IN THESE PLANS ARE NEW, UON. INSTALLATION SHALL BE CONCEALED. WHERE NOT POSSIBLE, CONTRACTOR SHALL OBTAIN APPROVAL FROM ARCHITECT AND ENGINEER FOR EXPOSED INSTALLATION. A WRITTEN APPROVAL IS REQUIRED. USE SURFACE RACEWAYS, WIREMOLD, OR EQUAL. ALL ELECTRIC MATERIALS, DEVICES, AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND U.L. APPROVED
6. ALL CONDUIT SHALL BE 3/4" MINIMUM. ALL CONDUIT SHALL BE RUN PARALLEL TO EXISTING SURFACES. WHEN CONDUIT CROSSES CORRIDORS OR ROOMS IT SHALL BE DONE PERPENDICULAR TO WALLS.
7. PAINT ALL SURFACE MOUNTED CONDUITS AND FITTINGS TO MATCH ADJACENT SURFACE. CONFIRM COLOR WITH OWNER.
8. ALL EXPOSED CONDUITS SHALL BE MOUNTED WITH 2-HOLE STRAPS.
9. CONDUIT CONNECTORS SHALL BE COMPRESSION TYPE.
10. SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS. FURNISH AND INSTALL FIRE RATED BACKBOXES AS REQUIRED TO MAINTAIN FIRE RATING OF CEILING OR WALLS WHERE RECESSED ELECTRIC EQUIPMENT SUCH AS LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANEL, ETC. ARE INSTALLED IN RATED WALL OR CEILINGS. PENETRATIONS OF FIRE RATED WALLS, CEILINGS, OR FLOORS SHALL COMPLY WITH CBC CHAPTER 7 REQUIREMENTS. IN WALLS AND PARTITIONS THAT ARE FOR FIRE RESISTIVE CONSTRUCTION, OPENINGS FOR STEEL ELECTRICAL OUTLET BOXES SHALL NOT EXCEED 16 SQUARES INCHES. IN ADDITION, THE AGGREGATE AREA OF SUCH OPENING SHALL NOT EXCEED 100 SQ IN FOR ANY 100 SQUARE FEET OF WALL OR PARTITION. OUTLET BOXES ON OPPOSITE SIDES OF THE WALLS OR PARTITION SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF AT LEAST 24 INCHES, OR BE PROVIDED WITH FIRE PUTTY.
11. ALL NEW WIRING SHALL BE IN CONDUIT. COORDINATE ROUTING OF CONDUIT WITH ARCHITECT AND STRUCTURAL FOR OPENINGS IN WALLS AND ANY NOTCHING OF JOISTS.
12. THE ELECTRICAL PLANS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL OF THE ARCHITECTURAL DETAILS OR SPECIFICS OF ELECTRICAL CONSTRUCTION. TAKE ALL DIMENSIONS FROM THE ARCHITECTURAL DRAWINGS. BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, CONDUIT RUNS, ETC. WITH ARCHITECT AND OWNER. PLACE DEVICES LOCATED ABOVE COUNTERS, SHELVING, ETC. AND IN BATHROOMS SO AS NOT TO CONFLICT WITH EDGES OF WAINSCOTING, COUNTER SPLASH, SHELVING, ETC. ARCHITECTURAL SHEETS SHALL GOVERN. SEE ELECTRICAL SECTION OF ARCHITECTURAL SPECIFICATION FOR ADDITIONAL INFORMATION.
13. PULLROPES: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER.
14. ALL DEVICES AND EQUIPMENT INSTALLED OUTDOORS OR EXPOSED TO THE WEATHER SHALL BE OF WEATHERPROOF CONSTRUCTION. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED WATER TIGHT.
15. ALL EQUIPMENT SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND SHALL BE INSTALLED AS PER LISTING OR LABELING (IE. MAXIMUM FUSE SIZE MEANS FUSE PROTECTION IS REQUIRED).
16. ALL EQUIPMENT MANUFACTURERS SHALL BE NOTED IN DRAWINGS. SUBSTITUTIONS ARE PERMITTED BUT MUST BE APPROVED EQUAL.
17. CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH A MINIMUM OF 24" OF WEATHERPROOF FLEXIBLE CONDUIT TO PREVENT SOUND AND VIBRATION TRANSMISSION TO THE STRUCTURE. COORDINATE ALL MOTOR OVERLOADS AND/OR FUSES FURNISHED BY THIS CONTRACT WITH THE ACTUAL EQUIPMENT INSTALLED. SIZE OVERLOADS BASED ON MOTOR NAMEPLATE FULL LOAD CURRENT AND SERVICE FACTOR. FUSES FOR MOTOR AND TRANSFORMER CIRCUITS SHALL BE DUAL ELEMENT. FUSES FOR OTHER "NON-INRUSH" LOADS SHALL BE FAST ACTING. ALL FUSES SHALL BE CURRENT LIMITING CLASS RK5 OR CLASS L, UON. CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR MANUFACTURER INSTALLATION REQUIREMENTS.
18. SEE MECHANICAL AND PLUMBING DRAWINGS FOR LOCATION OF FANS AND WATER HEATERS.
19. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH THE MECHANICAL WORK AS CALLED FOR IN MECHANICAL SPECIFICATIONS.
20. GROUNDING CONDUCTORS ARE GENERALLY NOT SHOWN. GROUND AND BOND ALL EQUIPMENT, RACEWAYS, MOTORS, PANELBOARDS AND SWITCHBOARDS, ETC. IN ACCORDANCE WITH NEC ARTICLE 250.
21. FIELD MOUNTED DEVICES SUCH AS SWITCHES, MOTOR STARTERS, RECEPTACLES, ETC., ARE SHOWN IN THEIR APPROXIMATE LOCATION. SWITCH MOUNTING HEIGHT SHALL BE 48" ABOVE FINISHED FLOOR AND RECEPTACLE MOUNTING HEIGHT SHALL BE 18" ABOVE FINISHED FLOOR. CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR MANUFACTURER INSTALLATION REQUIREMENTS.
22. ELECTRICAL CONTRACTOR TO PROVIDE EXPANSION FITTINGS AT ALL EXPANSION JOINT LOCATION. USE STEEL FLEX 6 FEET EACH SIDE OF THE JOINT AND TERMINATE IN A PULLBOX AT EACH END, OR OTHER APPLIED METHODS.
23. ALL LIGHTING FIXTURE LOCATIONS AND ROUTING SHALL BE REVIEWED BY ARCHITECT PRIOR TO ROUGH-IN.
24. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN A MINIMUM OF 36" CLEARANCE PER NEC ARTICLE 110.26.
25. PENETRATIONS OF FIRE RATED WALLS CEILINGS OR FLOORS SHALL COMPLY WITH CBC CHAPTER 7 REQUIREMENTS.
26. WHERE OUTLET BOXES ARE INSTALLED WITHIN RATED ASSEMBLIES, PROVIDE 3M MOLDABLE PUTTY PADS OR EQUAL TO MAINTAIN FIRE RATED ASSEMBLIES.
27. ALL RECEPTACLES SHALL BE GROUNDING TYPE.
28. ALL RECEPTACLES INSTALLED IN BATHROOMS AND KITCHENS SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION AS REQUIRED BY THE NATIONAL ELECTRIC CODE.
29. CONTRACTOR TO CONFIRM EXACT LOCATION OF METERS WITH ELECTRIC UTILITY.
30. SUBMIT TO THE OWNER CERTIFICATES OF INSPECTIONS IN DUPLICATE FROM AN APPROVED INSPECTION AGENCY UPON COMPLETION.
31. PERFORMANCE AND WITNESSING OF TESTS
    A. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND QUALIFIED PERSONNEL OR FIRM TO PERFORM ALL REQUIRED TESTS.
    B. ALL NEW AND RECONNECTED ELECTRICAL CIRCUIT SHALL BE TESTED TO INSURE CIRCUIT CONTINUITY, INSULATION RESISTANCE, PROPER SPLICING AND GROUNDING IN ACCORDANCE WITH THE LATEST STANDARDS AS STATED ABOVE. BEFORE CONNECTING POWER CABLES TO MOTORS, THE INSULATION RESISTANCE OF ALL MOTOR WINDINGS SHALL BE TESTED IN ACCORDANCE WITH THE ABOVE STANDARDS.
    C. ANY CONTRACTOR FURNISHED AND/OR INSTALLED SPLICE, RECOMMENDED VOLTAGE AND INSULATION RESISTANCE TESTS, SHALL BE CONNECTED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
    D. NO EQUIPMENT SHALL BE ENERGIZED UNTIL ALL TESTS AND ADJUSTMENTS HAVE BEEN MADE.
    E. THREE COPIES OF ALL TEST RESULTS SHALL BE DELIVERED TO THE OWNER.
32. SPECIFY ELECTRICAL CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO BE LOCATED NO MORE THAN 48" MEASURED FROM THE TOP OF THE OUTLET BOX AND NO LESS THAN 15" MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.
33. SPECIFY ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES TO BE LOCATED NO MORE THAN 48" MEASURED FROM THE TOP OF THE RECEPTACLE HOUSING AND NO LESS THAN 15" MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.

SYMBOLS (NOT ALL USED)

GENERAL SYMBOLS

- # = DETAIL NUMBER; X = SHEET NUMBER
- XX-# — MECHANICAL/PLUMBING EQUIPMENT TAG. (X = EQUIPMENT TYPE, # = EQUIPMENT NUMBER). REFER TO MECHANICAL AND PLUMBING DRAWINGS.
- —OH— —OH— ELECTRICAL WIRING OVERHEAD
- ENLARGED PLANS
- BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED IN CEILING OR WALL.
- BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED UNDER FLOOR OR UNDERGROUND.
- CONDUIT STUBBED THROUGH WALL.
- M — MAST AND WEATHERHEAD ABOVE ROOF FOR AERIAL INSTALLATION.
- BRANCH CIRCUIT HOMERUN TO PANEL.
- REQUIRED WORKING CLEARANCE PER NEC 110.26.
- X — LIGHT FIXTURE TAG (X = FIXTURE TYPE). REFER TO LIGHTING FIXTURE SCHEDULE.

POWER SYSTEM SYMBOLS

- J — JUNCTION OR OUTLET BOX, WALL MOUNTED +15" AFF. TO THE BOTTOM OF BOX UON.
- J — JUNCTION OR OUTLET BOX, MOUNTED ABOVE CEILING.
- J — JUNCTION BOX, UNDER FLOOR OR UNDERGROUND.
- $T — HORSEPOWER RATED TOGGLE SWITCH WITH THERMAL OVERLOADS.
- FUSED DISCONNECT SWITCH WITH DUAL ELEMENT FUSED (UON).
- DUPLEX RECEPTACLE 20A, 120V, 3W, NEMA 5-20R. FLUSH MOUNTED +15" AFF. TO THE BOTTOM OF BOX UON.
- GFCI — DUPLEX RECEPTACLE 20A, WITH GROUND FAULT CIRCUIT INTERRUPTER, +42" AFF. TO THE BOTTOM OF BOX UON.
- DUPLEX RECEPTACLE 20A, 120V, 3W, NEMA 5-20R. FLUSH MOUNTED ABOVE COUNTER OR +42" AFF. TO THE BOTTOM OF BOX UON.
- DUPLEX RECEPTACLE, 20A, 120V, 32, NEMA 5-20R FLUSH MOUNTED IN CEILING.
- QUAD RECEPTACLE, 20A, 120V, 3W, (2) NEMA 5-20R. FLUSH MOUNTED +15" AFF. TO THE BOTTOM OF BOX UON.
- PANEL BOARD 120/208V, 3 PHASE, 4 WIRE FLUSH/SURFACE MOUNTED.

LIGHTING CONTROL SYSTEM SYMBOLS

- a,b / D# — LOW VOLTAGE DIMMER SWITCH FOR MULTIPLE ZONES. (# = NUMBER OF CONTROLLED ZONE AND a,b = ZONE)
- X / $ $ — SINGLE POLE THROW SWITCH AND BOX, WALL MOUNTED, +48" AFF TO TOP OF BOX.
  - X = SWITCH TYPE: 3 = THREE WAY, D = DIMMER, AND OS = OCCUPANCY SENSOR.
- OS VS — LIGHTING SENSOR, CEILING MOUNTED. OS = CONFIGURE FOR OCCUPANCY AND VS = CONFIGURE FOR VACANCY.
- OS VS — LIGHTING SENSOR, WALL MOUNTED. OS = CONFIGURE FOR OCCUPANCY AND VS = CONFIGURE FOR VACANCY.

LOW VOLTAGE SYSTEM SYMBOLS - NOTE: CABLING SHALL BE CAT 6A FOR THESE OUTLETS.

- #▷ — DATA OUTLET, FLUSH IN WALL WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE. # = CABLES PER OUTLET.
- DATA OUTLET, FLUSH IN FINISHED CEILING WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE. TWO (2) CABLES PER OUTLET.
- PHONE OUTLET, FLUSH IN WALL WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE. ONE (1) CABLE PER OUTLET.
- DATA/PHONE OUTLET, FLUSH IN WALL WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE. TWO (2) CABLES PER OUTLET.
- WAP — WAP OUTLET, FLUSH IN FINISHED CEILING WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE, AS APPLICABLE. TWO (2) CABLES PER OUTLET.
- C/S — CLOCK/SPEAKER OUTLET, FLUSH IN WALL WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE. TWO (2) CABLES PER OUTLET.
- S — CLOCK/SPEAKER OUTLET, FLUSH IN WALL WITH 1-1/4"C TO TELECOM ROOM OR ACCESSIBLE CEILING SPACE. ONE (1) CABLE PER OUTLET. (1)

SCOPE OF WORK

1. POWER SYSTEM
   - PROVIDE POWER CONNECT TO NEW MODULAR INFRASTRUCTURE.
   - CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF ELECTRICAL EQUIPMENT AND FEEDER PATHWAYS PRIOR TO WORK.
2. LIGHTING SYSTEM
   - LIGHTING FIXTURES AND CONTROLS ARE INSTALLED WITH PRE-FABRICATED MODULAR.
3. LOW VOLTAGE SYSTEM (1)
   - PROVIDE COMPLETE LOW VOLTAGE INFRASTRUCTURE FOR ALL DEVICES INDICATED ON THE DRAWINGS, INCLUDING DATA, VOICE, WAP, CLOCK/SPEAKER, AND RELATED OUTLETS.
   - ALL HORIZONTAL CABLING SHALL BE CATEGORY 6A AND HOME-RUN TO THE DESIGNATED TELECOMMUNICATIONS ROOM (TR). PROVIDE CONDUIT (1-1/4" MINIMUM UNLESS NOTED OTHERWISE), BACKBOXES, SUPPORTS, TERMINATIONS, LABELING, AND TESTING IN ACCORDANCE WITH ANSI/TIA STANDARDS AND NEC REQUIREMENTS.
   - CONTRACTOR SHALL COORDINATE ALL DEVICE LOCATIONS, MOUNTING HEIGHTS, RACK LAYOUTS, PATCHING REQUIREMENTS, AND ACTIVE EQUIPMENT WITH THE OWNER'S IT DISTRICT PRIOR TO ROUGH-IN AND INSTALLATION. DEVICES SHOWN ARE DIAGRAMMATIC AND SHALL BE FIELD VERIFIED.
   - PROVIDE COMPLETE TESTING DOCUMENTATION AND RECORD DRAWINGS AT PROJECT CLOSEOUT.

ABBREVIATIONS

(E)	EXISTING TO REMAIN	MTD	MOUNTED
(F)	FUTURE	MV	MEDIUM VOLTAGE
(N)	NEW	N	NEUTRAL
(RR)	REMOVE AND RELOCATE	N.E.C.	NATIONAL ELECTRICAL CODE
A	AMPERE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
AC	ALTERNATING CURRENT		
AF	AMPERE RATING OF FUSE	NEUT	NEUTRAL
AFCI	ARC FAULT CIRCUIT INTERRUPTER	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NTS	NOT TO SCALE
AV	AUDIO/VISUAL	OS	OCCUPANCY SENSOR
BS	BRANCH SELECTOR	OSD	OCCUPANCY SENSOR DIMMER
C	CONDUIT	P	POLE
CKT	CIRCUIT	PB	PULL BOX
CU	CONDENSING UNIT	PH	PHASE
D	DEDICATED	PNL	PANEL
DIM	DIMMABLE	POS	POINT OF SALE
EC	ELECTRICAL CONTRACTOR	RSC	RIGID STEEL CONDUIT
EF	EXHAUST FAN	SAD	SEE ARCHITECTURAL DRAWINGS
ELEC	ELECTRICAL	SAVD	SEE AUDIO/VISUAL DRAWINGS
EM	EMERGENCY	SCD	SEE CIVIL DRAWINGS
EMT	ELECTRICAL METALLIC TUBING	SLD	SEE LANDSCAPE DRAWINGS
F/I	FURNISH AND INSTALL	SLDG	SINGLE LINE DIAGRAM
FACP	FIRE ALARM CONTROL PANEL	SMD	SEE MECHANICAL DRAWINGS
FATC	FIRE ALARM TERMINAL CAN	SPD	SEE PLUMBING DRAWINGS
FC	FAN COIL	SPEC	SPECIFICATION
FSD	FIRE SMOKE DAMPER	T	TELEPHONE
G	GROUNDING CONDUCTOR	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UG	UNDERGROUND
GND	GROUND	UAC	UNDER ANOTHER CONTRACT
HP	HORSEPOWER	UON	UNLESS OTHERWISE NOTED
HV	HIGH VOLTAGE	V	VOLT
kVA	KILOVOLT AMPS	VP	VANDAL PROOF
kW	KILOWATTS	VS	VACANCY SENSOR
LC	LOAD CENTER	VSD	VACANCY SENSOR DIMMER
LTG	LIGHTING	W	WATTS
LTS	LIGHTS	WP	WEATHERPROOF (NEMA 3R)
LV	LOW VOLTAGE	WT	WATERTIGHT
MC	MEDIA CABINET	XFMR	TRANSFORMER
MECH	MECHANICAL		

APPLICABLE CODES

1. 2025 BUILDING STANDARD ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
6. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
7. 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
9. 2022 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
10. 2022 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R.
11. 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
12. TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

NFPA 13, AUTOMATIC SPRINKLER SYSTEM, 2022 EDITION
NFPA 14, STANDPIPE AND HOSE SYSTEMS, 2019 EDITION
NFPA 72, NATIONAL FIRE ALARM CODE, 2022 EDITION
LOCAL MUNICIPAL BUILDING CODES

SHEET INDEX

E0.00	ELECTRICAL TITLE SHEET
E1.10	ELECTRICAL SITE PLAN
E1.30	ENLARGED ELECTRICAL SITE PLAN - NEW
~~E7.10~~	~~SINGLE LINE DIAGRAM~~
E7.11	LOW VOLTAGE RISER DIAGRAM (1)
~~E9.10~~	~~TECHNICAL SPECIFICATIONS~~
E9.11	TECHNICAL SPECIFICATIONS
E9.12	TECHNICAL SPECIFICATIONS
E9.13	TECHNICAL SPECIFICATIONS

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Drawing Record

REV	DESCRIPTION	DATE
1	ADDENDUM 2	02/23/26

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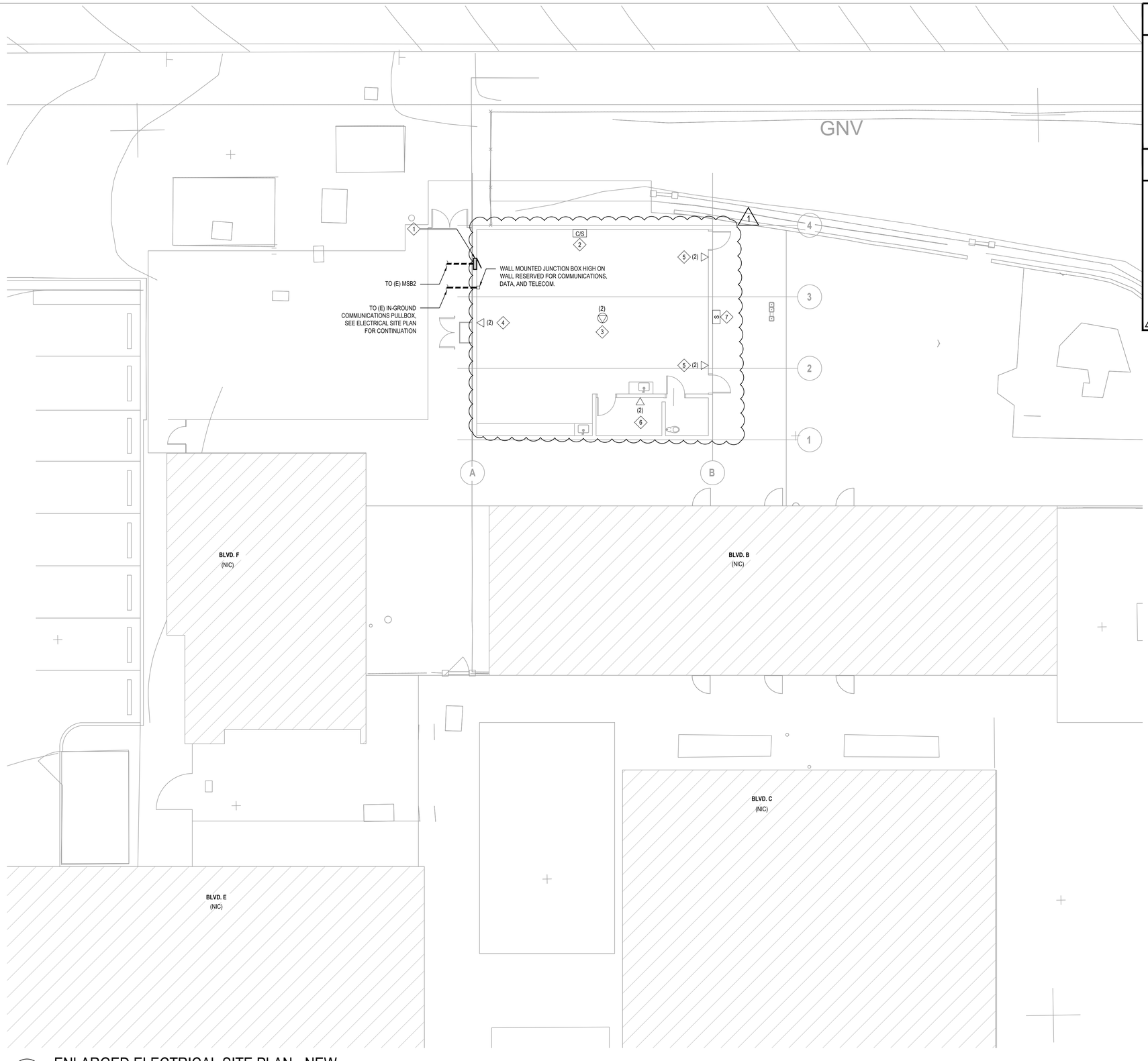
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1 ENLARGED ELECTRICAL SITE PLAN - NEW

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. NOT ALL EXISTING CONDITIONS ARE SHOWN ON PLANS. VERIFY EXISTING CONDITIONS AND LOCATIONS OF FIRE ALARM DEVICES IN AREAS OF WORK PRIOR TO WORK.

B. CONTRACTOR SHALL PROTECT ALL EXISTING DEVICES, EQUIPMENT, AND WIRING TO REMAIN. ANY DAMAGE TO EXISTING SYSTEMS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

SHEET NOTES (#)

1. EXISTING ELECTRICAL PANEL BY PORTABLE MANUFACTURER. REFER TO PORTABLE DRAWINGS.
2. NEW CLOCK/SPEAKER, MATCH WITH DISTRICT STANDARDS.
3. NEW CEILING MOUNTED 2-PORT CAT6A DATA OUTLET RESERVED FOR WIRELESS ACCESS POINT.
4. NEW WALL MOUNTED 2-PORT CAT6A DATA OUTLET.
5. NEW WALL MOUNTED 1-PORT CAT6A DATA OUTLET RESERVED FOR FUTURE SECURITY CAMERA. PROVIDE 3' COIL TO EXTEND TO CAMERA LOCATION. COORDINATE WITH DISTRICT STANDARDS FOR EXACT LOCATION AND MOUNTING HEIGHT.
6. NEW WALL MOUNTED 2-PORT CAT6A DATA OUTLET RESERVED FOR FUTURE PROVISIONS. PROVIDE 3' COIL TO EXTEND TO CAMERA LOCATION. COORDINATE WITH DISTRICT STANDARDS FOR EXACT LOCATION AND MOUNTING HEIGHT.
7. NEW EXTERIOR WALL MOUNTED 1-PORT CAT6A CABLE DATA OUTLET RESERVED FOR EXTERIOR SPEAKER. COORDINATE WITH DISTRICT STANDARDS FOR EXACT LOCATION AND MOUNTING HEIGHT.

1

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ENLARGED ELECTRICAL SITE PLAN - NEW

E1.30

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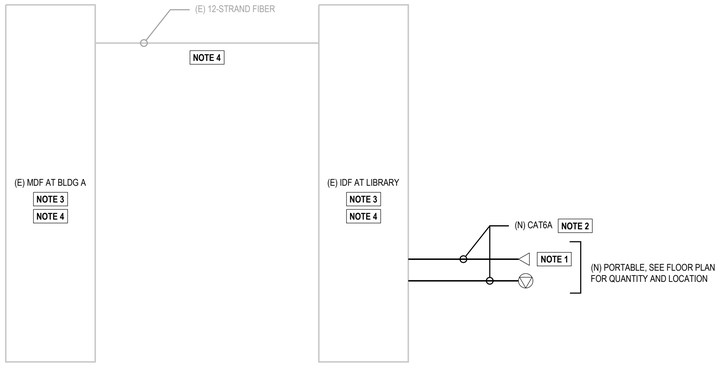
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GENERAL NOTES

A. NOT ALL EXISTING CONDITIONS ARE SHOWN ON PLANS. VERIFY EXISTING CONDITIONS AND LOCATIONS OF FIRE ALARM DEVICES IN AREAS OF WORK PRIOR TO WORK.

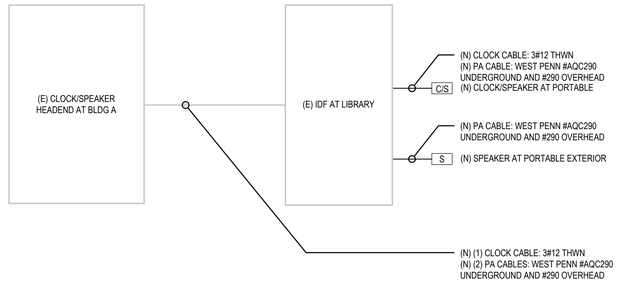
B. CONTRACTOR SHALL PROTECT ALL EXISTING DEVICES, EQUIPMENT, AND WIRING TO REMAIN. ANY DAMAGE TO EXISTING SYSTEMS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.



RISER NOTES:
1. NEW DATA OUTLET. SEE FLOOR PLAN FOR LOCATION AND QUANTITY.
2. PROVIDE NEW CAT6A CABLES BETWEEN NEW DATA OUTLETS AND NEW IDF. TERMINATE CABLES AT DATA OUTLET DEVICE AND IDF PATCH PANEL AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM. SEE FLOOR PLANS FOR QUANTITY AND LOCATION OF CABLES.
3. COORDINATE WITH DISTRICT IT REPRESENTATIVE AND PROVIDE ALL CONNECTIONS/PROGRAMMING AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
4. ALL OUTDOOR CABLES AND CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.

2 DATA RISER DIAGRAM

SCALE: NTS



RISER NOTES:
1. PROVIDE ALL PROGRAMMING REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
2. ALL OUTDOOR CABLES AND CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.
3. PROVIDE WIRING DIAGRAM AS PART OF SUBMITTAL PACKAGE.
4. PROVIDE NEW CLOCK/SPEAKER AND EXTERIOR SPEAKERS PER DISTRICT STANDARD.
5. FIELD VERIFY EXISTING CABLE IN ORDER TO MATCH EXISTING STANDARD. NOTIFY ARCHITECT AND OWNER IF FIELD VERIFICATION YIELDS DIFFERENT CONDITIONS THAN WHAT IS SHOWN IN DESIGN DOCUMENTS.

1 CLOCK SPEAKER RISER DIAGRAM

SCALE: NTS

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(415) 963-4303

TRUE

Drawing Record

REV	DESCRIPTION	DATE
1	ADDENDUM 2	02/23/26

Architect

REGISTERED PROFESSIONAL ENGINEER
STEPHEN HOWATER
E18568
Exp: 12/31/2026
ELECTRICAL
STATE OF CALIFORNIA

Project
JUNIPERO SERRA ES MODULAR

151 Victoria St.
Daly City, CA 94015

2516.00

Sheet
LOW VOLTAGE RISER DIAGRAM

1
E7.11

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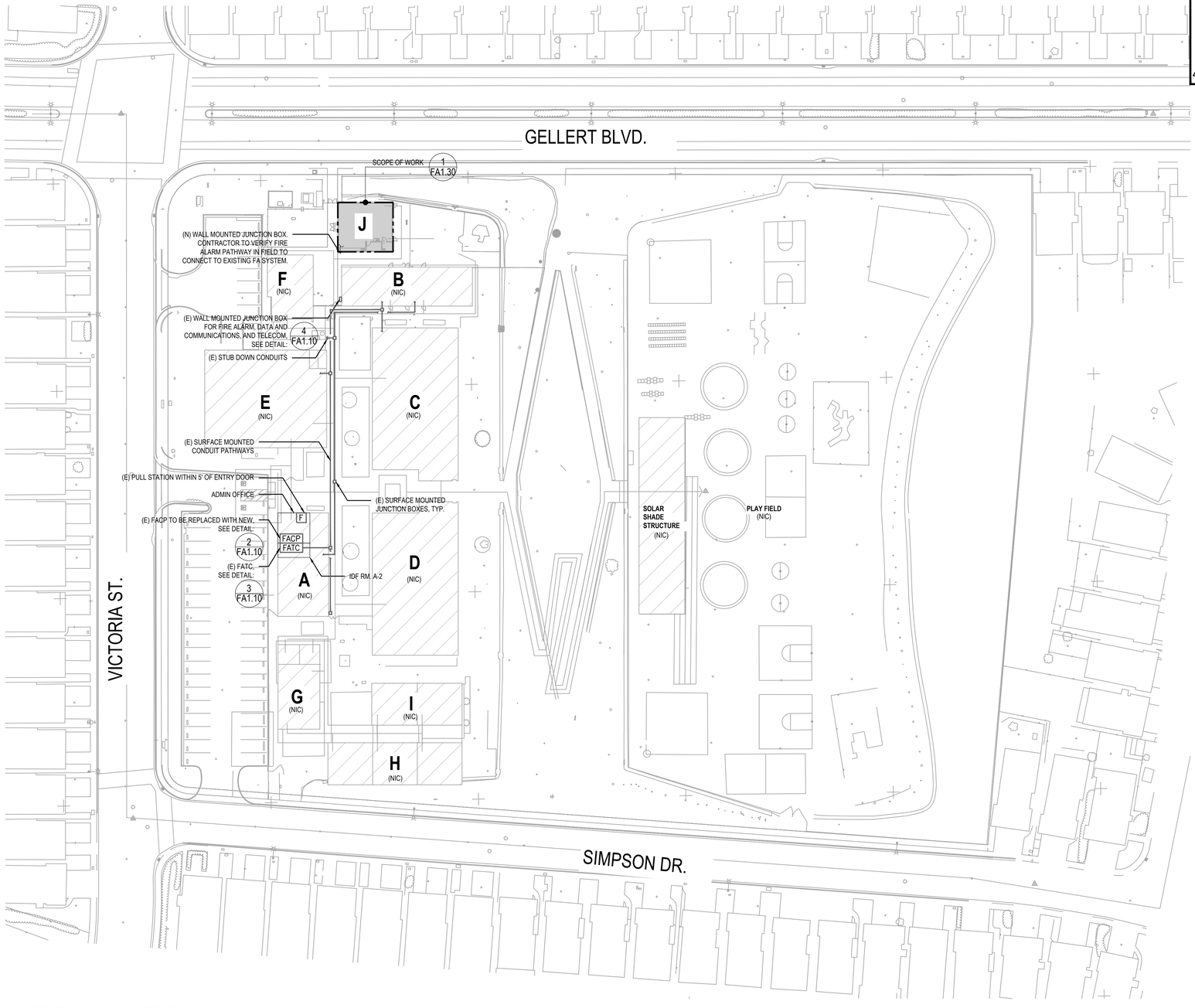
GENERAL NOTES

A. NOT ALL EXISTING CONDITIONS ARE SHOWN ON PLANS. VERIFY EXISTING CONDITIONS AND LOCATIONS OF FIRE ALARM DEVICES IN AREAS OF WORK PRIOR TO WORK.

B. CONTRACTOR SHALL PROTECT ALL EXISTING DEVICES, EQUIPMENT, AND WIRING TO REMAIN. ANY DAMAGE TO EXISTING SYSTEMS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

C. CONTRACTOR SHALL PROVIDE PULL-BOXES, FIRE ALARM WIRING FROM PROPOSED FIRE ALARM CONTROL PANEL TO NEW BUILDING PANEL INCLUDING PANEL MOUNTINGS/ FASTENINGS. DISTRICT FIRE ALARM CONSULTANT TO ADD PANEL MOTHERBOARD/ CONTROLS AND DEVICES AFTER CONTRACTOR HAS INSTALLED PANEL SHELL AND PATHWAYS.

1



1 FIRE ALARM SITE PLAN

SCALE: 1" = 40'-0"



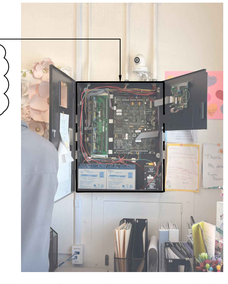
4 (E) OUTDOOR JBOX

SCALE: NTS



3 (E) FATC AT IDF RM. A-2

SCALE: NTS



2 (E) FACP AT ADMIN OFFICE

SCALE: NTS

GELFAND PARTNERS ARCHITECTS

165 10th Street, Suite 100
San Francisco, CA 94103
415.346.4040 | www.gelfand-partners.com

FILE#
APPL #

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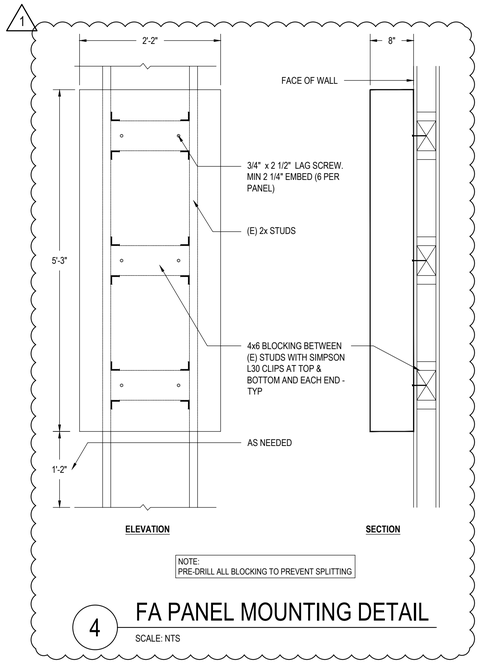
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FIRE ALARM SITE PLAN

FA1.10

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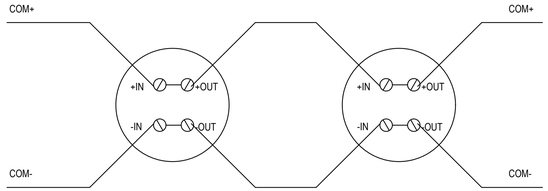
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4 FA PANEL MOUNTING DETAIL

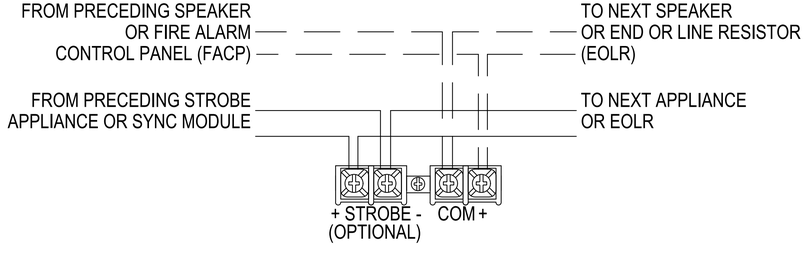
SCALE: NTS



TYPICAL SMOKE AND HEAT DETECTOR WIRING

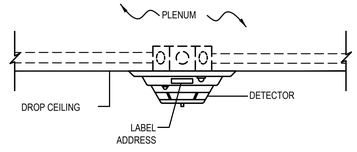
2 TYPICAL WIRING DETAIL

SCALE: SCHEMATIC

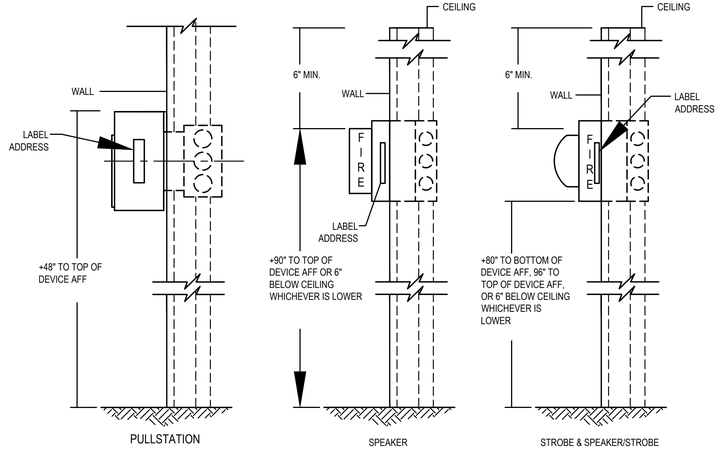


3 TYPICAL WIRING DETAIL - SPEAKER/STROBE, SPEAKER, STROBE

SCALE: SCHEMATIC



DETECTOR INSTALLATION



PULLSTATION INSTALLATION

SIGNALING DEVICE INSTALLATION

1 DEVICE MOUNTING HEIGHTS

SCALE: SCHEMATIC

GELFAND PARTNERS ARCHITECTS

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FIRE ALARM DETAILS

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DSA

103-22

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

☐ Project has a geotechnical report or construction documents require special inspection by a geotechnical engineer.
☐ Project does NOT have and does NOT require a geotechnical report.

	TYPE	BY
S1 | SOILS - GENERAL		
☐ S1a: Site Preparation	See Notes	PI
S2 | COMPACTION AND FILL		
☐ S2a: Fill Materials	Test	LOR*
☐ S2b: Fill Placement	Continuous	LOR*
☐ S2c: Compaction	Test	LOR*
S3 | DRIVEN DEEP FOUNDATIONS (PILES)		
☐ S3a: Materials and Members	Continuous	GE*
☐ S3b: Pile Capacity	Test	LOR*
☐ S3c: Driving Operations	Continuous	GE*
☐ S3d: Pile Installation	Continuous	GE*
☐ S3e: Specialty Piles	*	*
S4 | CAST-IN-PLACE DEEP FOUNDATIONS (PIERS)		
☐ S4a: Drilling Operations	Continuous	PI
☐ S4b: Pier Construction	Continuous	PI
☐ S4c: Bearing Strata	Continuous	GE*
S5 | RETAINING WALLS		
☐ S5a: Backfill Placement	Continuous	GE*
☐ S5b: Soil Reinf. and Drainage	Continuous	GE*
☐ S5c: Segmental Retaining Walls	Continuous	GE*
S6 | OTHER SOILS		
☐ S6a: Soil Improvement Test	Test	GE*
☐ S6b: Soil Improvement Inspection	Continuous	GE*
☐ S6c: Not used.	N/A	N/A
☐ S6d: Not used.	N/A	N/A
☐ S6e: Not used.	N/A	N/A
☐ S6f: Not used.	N/A	N/A
☐ S6g: Not used.	N/A	N/A
☐ S6h: Not used.	N/A	N/A
☐ S6i: Not used.	N/A	N/A
☐ S6j: Not used.	N/A	N/A
☐ S6k: Not used.	N/A	N/A
☐ S6l: Not used.	N/A	N/A
☐ S6m: Not used.	N/A	N/A
☐ S6n: Not used.	N/A	N/A

* See Appendix for additional information.

	TYPE	BY
C1 | CAST-IN-PLACE CONCRETE		
☑ C1a: Mix Design	Continuous	SI
☑ C1b: Reinforcing Steel	Test	LOR
☑ C1c: Concrete Material	Test	LOR
☑ C1d: Strength Test	Test	LOR
☑ C1e: Batch Plant Inspection	Periodic	SI
C2 | PRESTRESSED CONCRETE		
☐ C2a: Tendons and Anchorage	Test	LOR
☐ C2b: Tendon Placement	Periodic	SI
☐ C2c: Concrete Strength	Periodic	SI
☐ C2d: Stressing Operations	Continuous	SI
C3 | PRECAST CONCRETE		
☐ C3a: General Fabrication	Continuous	SI
☐ C3b: General Erection	Periodic	SI*
☐ C3c: Diaphragm Connections	Continuous	SI
☐ C3d: Diaphragm Tolerances	Periodic	SI
C4 | SHOTCRETE		
☐ C4a: Placement	Continuous	SI
☐ C4b: Shotcrete Material	Test	LOR
C5 | POST-INSTALLED ANCHORS		
☐ C5a: Inspection	See notes	SI*
☐ C5b: Test	Test	LOR
C6 | OTHER CONCRETE		
☐ C6a: Not used.	N/A	N/A
☐ C6b: Not used.	N/A	N/A
☐ C6c: Not used.	N/A	N/A
☐ C6d: Not used.	N/A	N/A
☐ C6e: Not used.	N/A	N/A
☐ C6f: Not used.	N/A	N/A
☐ C6g: Not used.	N/A	N/A
☐ C6h: Not used.	N/A	N/A
☐ C6i: Not used.	N/A	N/A
☐ C6k: Not used.	N/A	N/A
☐ C6l: Not used.		
Not used.		

* See Appendix for additional information.

Project Name: **Junipero Serra Elementary School** Application No.: **01-122855** Increment:
School District: **South San Francisco Unified School District** File No.: **41-28**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

	TYPE	BY
M1 | STRUCTURAL MASONRY f'm PSI:		
☐ M1a: Mill Certificates - Reinf.	Periodic	SI*
☐ M1b: Material Certificates	Test	LOR
☐ M1c: Strength Test	Test	LOR
☐ M1d: Mortar Proportions	Periodic	SI
☐ M1e: Grout Proportions	Periodic	SI
☐ M1f: Batch Plant Inspection		SI
☐ M1g: Core Tests	Test	LOR
☐ M1h: Prisms	Continuous	SI
☐ M1i: Dowels and Supports	Periodic	SI
☐ M1j: Reinforcement and Members	Periodic	SI
☐ M1k: Reinforcement Placement	Continuous	SI
☐ M1l: Grout Placement	Continsuous	SI
☐ M1m: Unit Layup and Joints	Periodic	SI*
☐ M1n: Cold/Hot Weather Work	Periodic	SI
☐ M1o: Anchors and Embeds	Continuous	SI
☐ M1p: Grout Cavity	Continuous	SI
M2 | VENEER OR GLASS BLOCK PARTITIONS		
☐ M2a: Mortar and Grout	Periodic	SI
☐ M2b: Unit Layup and Joints	Periodic	SI
☐ M2c: Wires and Connector	Periodic	SI
☐ M2d: Anchors and Embeds	Periodic	SI
☐ M2e: Cold/Hot Weather Work	Periodic	SI*
☐ M2f: Adhered Veneer Bond	Test	LOR
M3 | POST-INSTALLED ANCHORS		
☐ M3a: Inspection	Varies*	SI*
☐ M3b: Test	Test	LOR
M4 | OTHER MASONRY		
☐ M4a: Not used.	N/A	N/A
☐ M4b: Not used.	N/A	N/A
☐ M4c: Not used.	N/A	N/A
☐ M4d: Not used.	N/A	N/A
☐ M4e: Not used.	N/A	N/A
☐ M4f: Not used.	N/A	N/A
☐ M4g: Not used.	N/A	N/A
☐ M4h: Not used.	N/A	N/A
☐ M4i: Not used.	N/A	N/A
☐ M4j: Not used.	N/A	N/A
☐ M4k: Not used.		
☐ M4l: Not used.		
☐ M4m: Not used.		
* See Appendix for additional information.		

	TYPE	BY
S/A1 | STEEL AND ALUMINUM		
☑ S/A1a: Material Identification	Periodic	*
☑ S/A1b: Unidentified Material	Test	LOR
☑ S/A1c: Steel Fabrication	Periodic	SI
☐ S/A1d: Buckling Restrained Brace	Test*	LOR
S/A2 | HIGH-STRENGTH BOLTS		
☐ S/A2a: Product Verification	Periodic	SI
☐ S/A2b: Bolts, Nuts, and Washers	Test	LOR
☐ S/A2c: Snug Tight	Periodic	SI
☐ S/A2d: Pretensioned / Slip-Critical	*	SI
S/A3 | WELDING		
☑ S/A3a: Weld Material	Periodic	SI
☑ S/A3b: Certificate of Compliance	Periodic	SI
☑ S/A3c: WPS and Qualifications	Periodic	SI
S/A4 | SHOP WELDING		
☑ S/A4a: Weld Category A	Continuous	SI
☑ S/A4b: Weld Category B	Periodic	SI
☑ S/A4c: Stairs and Railing	Periodic	SI
☐ S/A4d: Reinf. Steel Weldability	Periodic	SI
☐ S/A4e: Reinforcing Steel	Continuous	SI
S/A5 | FIELD WELDING		
☐ S/A5a: Weld Category A	Continuous	SI
☐ S/A5b: Weld Category B	Periodic	SI
☐ S/A5c: End Welded Studs	Periodic	SI
☐ S/A5d: Deck Welds	Periodic	SI
☐ S/A5e: Cold-Formed Steel	Periodic	SI
☐ S/A5f: Stairs and Railing	Periodic	SI
☐ S/A5g: Reinf. Steel Weldability	Periodic	SI
☐ S/A5h: Reinforcing Steel	Continuous	SI
S/A6 | NONDESTRUCTIVE TESTING		
☑ S/A6a: Ultrasonic	Test	LOR
☑ S/A6b: Magnetic Particle	Test	LOR
☐ S/A6c:Not used.	N/A	N/A
☐ S/A6d:Not used.	N/A	N/A
☐ S/A6e:Not used.	N/A	N/A
S/A7 | STEEL JOISTS AND TRUSSES		
☐ S/A7a: Fabrication	Continuous	SI
S/A8 | SPRAYED FIRE-RESISTANT MATERIALS		
☐ S/A8a: Surface and Installation	Periodic	SI
☐ S/A8b: Density	Test	LOR
☐ S/A8c: Bond: Adhesion/Cohesion	Test	LOR
* See Appendix for additional information.		

Project Name: **Junipero Serra Elementary School** Application No.: **01-122855** Increment:
School District: **South San Francisco Unified School District** File No.: **41-28**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

	TYPE	BY
S/A9 | ANCHOR BOLTS AND ANCHOR RODS		
☐ S/A9a: Anchor Rods and Bolts	Test	LOR
☑ S/A9b: Other Threaded Rods	Test	LOR
S/A10 | STORAGE RACK SYSTEMS		
☐ S/A10a: Material Verification	Periodic	SI
☐ S/A10b: Fabrication	Periodic	SI
☐ S/A10c: Anchorage	Periodic	SI
☐ S/A10d: Completed System	Periodic	SI*
S/A11 | OTHER STEEL AND ALUMINUM		
☐ S/A11a: Not used.	N/A	N/A
☐ S/A11b: Not used.	N/A	N/A
☐ S/A11c: Not used.	N/A	N/A
☐ S/A11d: Not used.	N/A	N/A
☐ S/A11e: Not used.	N/A	N/A
☐ S/A11f: Not used.	N/A	N/A
☐ S/A11g: Not used.	N/A	N/A
☐ S/A11h: Not used.	N/A	N/A
☐ S/A11i: Not used.	N/A	N/A
☐ S/A11j: Not used.	N/A	N/A
W1 | PREFABRICATED WOOD TRUSSES		
☐ W1a: Open Web Truss Fabrication	Continuous	SI
☐ W1b: Metal Plate Truss Fabrication	Continuous	SI
W2 | MANUFACTURED WOOD ELEMENTS		
☐ W2a: GL Timber Fabrication	Continuous	SI
☐ W2b: CLT Fabrication	Continuous	SI
☐ W2c: Mass Timber Erection	Periodic	SI
☐ W2d: Connections Type A	Periodic	SI
☐ W2e: Connections Type B	Continuous	SI
☐ W2f: Sealants	Periodic	SI
W3 | OTHER WOOD		
☐ W3a: Not used.	N/A	N/A
☐ W3b: Not used.	N/A	N/A
☐ W3c: Not used.	N/A	N/A
☐ W3d: Not used.	N/A	N/A
☐ W3e: Not used.	N/A	N/A
☐ W3f: Not used.	N/A	N/A
☐ W3g: Not used.	N/A	N/A
☐ W3h: Not used.	N/A	N/A

* See Appendix for additional information.

	TYPE	BY
X | OTHER		
☐ X01: Product Load Test*	Test	LOR
☐ X02: Non-HSB Installation Torque	Continuous	SI*
☐ X03: Not used.	N/A	N/A
☐ X04: Not used.	N/A	N/A
☐ X05: Not used.	N/A	N/A
☐ X06: Not used.	N/A	N/A
☐ X07: Not used.	N/A	N/A
☐ X08: Not used.	N/A	N/A
☐ X09: Not used.	N/A	N/A
☐ X10: Not used.	N/A	N/A

EXEMPTIONS

Those items identified on the DSA-approved construction documents with a note indicating they are not part of the DSA approval or those items checked below are exempt from test and special inspection requirements. The project inspector shall verify all construction complies with the approved construction documents.

- ☑ Soils: Eligible shallow foundation elements**.
- ☐ Soils: Eligible deep foundation elements - type 1**.
- ☐ Soils: Eligible deep foundation elements - type 2**.
- ☑ Concrete/Masonry: Eligible post-installed anchors**.
- ☑ Concrete: Batch plant inspection for items listed in and complying with CBC Section 1705A.3.3.2.
- ☐ Concrete: Epoxy shear dowels in nonstructural slab-on-grade per CBC Section 1910A.5.4, Exception #4.
- ☐ Concrete/Masonry: Reinforcing bar testing for items listed in and complying with CBC Section 1910A.2.
- ☐ Masonry: Freestanding site walls and retaining walls per DSA IR 21-1.
- ☐ Concrete: Eligible precast elements**.
- ☑ Welding: Eligible fences and gates**.
- ☑ Welding: Eligible railing and ramps**.
- ☐ Welding: Eligible interior cold-formed steel framing**.
- ☑ Welding: Eligible equipment curbs**.
- ☑ Welding: Eligible components supporting MEP distribution systems**.
- ☑ Welding: Eligible mounts and recreational equipment**.
- ☐ Welding: Eligible nonstructural components**.

** See Appendix for eligibility requirements.

Project Name: **Junipero Serra Elementary School** Application No.: **01-122855** Increment:
School District: **South San Francisco Unified School District** File No.: **41-28**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Any items indicated on the approved construction documents with a note stating that the items are not part of the DSA approval are not considered in this form. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The exemption appendix at the end of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of nonstructural components, etc., per Title 24, Part 2, Chapter 17A.

Legend to TYPE and BY Columns:

Continuous - Indicates continuous special inspection is required.

Periodic - Indicates periodic special inspection is required.

Test - Indicates a test is required.

GE – Indicates special inspection shall be performed by a registered geotechnical engineer or his/her authorized representative, usually associated with the Laboratory of Record.

LOR – Indicates test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program (i.e., the Laboratory of Record for the project). See CAC Section 4-335.

PI - Indicates special inspection may be performed by a project inspector when specifically approved by DSA.

SI - Indicates special inspection shall be performed by an appropriately qualified/approved special inspector.

Required Verified Reports:

1. Structural Testing and Inspection: Form DSA 291
2. Concrete Batch Plant Inspection: Form DSA 291
3. Shop Welding Inspection: Form DSA 291 or DSA 292

Verified reports are required on the following DSA forms:

DSA 291: Laboratory of Record Verified Report

DSA 292: Special Inspectors Employed Directly by the District Verified Report

DSA 293: Geotechnical Verified Report

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

Name of Design Professional in General Responsible Charge:

Lawrence Schadt

Name of Structural Engineer of Record (when applicable):

Signature of Architect or Structural Engineer: **Date:**

December 11, 2025

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122855 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☐
DATE: 1/23/2026

Project Name: **Junipero Serra Elementary School**
School District: **South San Francisco Unified School District**

Application No.: **01-122855** Increment:
File No.: **41-28**

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

NOTE: Undefined sections and table references found in this appendix are from the CBC, or California Building Code

S1. GENERAL:	
Test or Special Inspection	**Code References and Notes**
S1a: Site Preparation | Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

S2. SOIL COMPACTION AND FILL:	
Test or Special Inspection	**Code References and Notes**
S2a: Fill Materials | Perform classification and testing of fill materials.	* Under the supervision of the geotechnical engineer.
S2b: Fill Placement | Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the end of this form listing exemptions for limitations.
S2c: Compaction | Compaction testing.	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

S3. DRIVEN DEEP FOUNDATIONS (PILES):	
Test or Special Inspection	**Code References and Notes**
S3a: Materials and Members | Verify pile materials, sizes and lengths comply with the requirements.	* By geotechnical engineer or his or her qualified representative.
S3b: Pile Capacity | Determine capacities of test piles and conduct additional load tests as required.	* Under the supervision of the geotechnical engineer.
S3c: Driving Operations | Inspect driving operations and maintain complete and accurate records for each pile.	* By geotechnical engineer or his or her qualified representative.

S3d: Pile Installation | Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	* By geotechnical engineer or his or her qualified representative.
S3e: Specialty Piles | For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	* As defined on drawings or specifications.

S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):	
Test or Special Inspection	**Code References and Note**
S4a: Drilling Operations | Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix (end of this form) listing exemptions for limitations.
S4b: Pier Construction | Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix (end of this form) listing exemptions for limitations.
S4c: Bearing Strata | Confirm adequate end strata bearing capacity.	Provide tests and inspections per CONCRETE section below.

S5. RETAINING WALLS:	
Test or Special Inspection	**Code References and Notes**
S5a: Backfill Placement | Placement, compaction and inspection of backfill.	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).
S5b: Soil Reinf. and Drainage | Placement of soil reinforcement and/or drainage devices.	* By geotechnical engineer or his or her qualified representative.
S5c: Segmental Retaining Walls | Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.

S6 | OTHER SOILS	
Test or Special Inspection	**Code References and Notes**
S6a | Soil Improvements	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
S6b | Inspection of Soil Improvements	* By geotechnical engineer or his or her qualified representative.
S6c. | Not used.	N/A
S6d. | Not used.	N/A
S6e. | Not used.	N/A
S6f. | Not used.	N/A
S6g. | Not used.	N/A
S6h. | Not used.	N/A
S6i. | Not used.	N/A
S6j. | Not used.	N/A
S6k. | Not used.	N/A
S6l. | Not used.	N/A
S6m. | Not used.	N/A
S6n. | Not used.	N/A

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

C1. CAST-IN-PLACE CONCRETE	
Test or Special Inspection	**Code References and Notes**
C1a: Mix Design | Verify use of required design mix.	**Table 1705A.3 Item 5, 1903A.5, 1903A.7, 1904A.1, 1904A.2, 1910A.1 ; ACI 318 Ch. 19, 26.4, 26.13.3.2.**
C1b: Reinforcing Steel | Identify, sample, and test reinforcing steel.	**Table 1705A.3 Item 1, 1705A.3.9, 1908A.1, 1910A.2; ACI 318 Ch. 20 and Sections 25.2, 25.3, 25.5.1, 26.6.1; DSA IR 17-10 and BU 24-02. (See Appendix (end of this form) for exemptions.)**
C1c: Concrete Material | During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Table 1705A.3 Item 6, 1705A.3.9, 1905A.1.17; ASTM C31, ASTM C172; ACI 318 Sections 26.4, 26.5 & 26.12.**
C1d: Strength Test | Test concrete (f'c).	**1905A.1.17; ACI 318 Section 26.12.**
C1e: Batch Plant Inspection | Batch plant inspection: Continuous	**Default of "Continuous" per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to "Periodic" subject to requirements in Section 1705A.3.3.1, or not required per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)**

C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	**Code References and Notes**
C2a: Tendons and Anchorage | Sample and test prestressing tendons and anchorages.	**1705A.3.4 Table 1705A.3 Item 1, 1910A.3; ACI 318 Ch. 20 and Sections 25.2, 26.6.1.**
C2b: Tendon Placement | Inspect placement of prestressing tendons.	**1705A.3.4, Table 1705A.3 Items 1 & 9; ACI 318 Ch. 20 and Sections 25.2, 26.6.1-26.6.3.**
C2c: Concrete Strength | Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Table 1705A.3 Item 13; ACI 318 Sections 26.10.2, 26.11.2, 26.13.3.3. Special inspector to verify specified concrete strength test prior to stressing.**
C2d: Stressing Operations | Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**1705A.3.4, Table 1705A.3 Item 9; ACI 318 Sections 26.10.2, 26.13.1, 26.13.3.2.**

C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	**Code References and Notes**
C3a: General Fabrication | 1. Inspect fabrication of precast concrete members. * 2. Inspect reinforcement of the following precast concrete elements or system(s): a. special moment frames. b. boundary elements of special structural walls. c. coupling beams.	**1705A.3 Item 1, 7.** See Appendix for exemptions. *May be periodic where fabrication occurs in a PCI-certified plant. For underground structures, NPCA plant certification is acceptable. PCI MNL-116-21; PCI MNL-117-13; NPCA Quality Control Manual (QCM) 17th Edition. See IR A-15.

C3b: General Erection | Inspect erection of precast concrete members.	**Table 1705A.3 Item 10**.
C3c: Diaphragm Connections | For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts. 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Table 1705A.3 Item 11**.
C3d: Diaphragm Tolerances | Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Table 1705A.3 Item 12**

C4. SHOTCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	**Code References and Notes**
C4a: Placement | Inspect shotcrete placement for proper application techniques.	**1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2 Section 3.4, and ACI 506R.**
C4b: Shotcrete Material | Sample and test shotcrete (f'_c).	**1908A.2 and 1705A.3.9.**

C5. POST-INSTALLED ANCHORS:	
Test or Special Inspection	**Code References and Notes**
C5a: Inspection | Inspect installation of post-installed anchors	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318 Sections 26.7.2, 26.13.1, 26.13.3.2, 26.13.3.3. * May be performed by the project inspector when specifically approved by DSA.
C5b: Test | Test post-installed anchors.	**1910A.5.** (See Appendix (end of this form) for exemptions.)

C6. OTHER CONCRETE:	
Test or Special Inspection	**Code References and Notes**
C6a. | Not used.	N/A
C6b. | Not used.	N/A
C6c. | Not used.	N/A
C6d. | Not used.	N/A
C6e. | Not used.	N/A
C6f. | Not used.	N/A
C6g. | Not used.	N/A
C6h. | Not used.	N/A
C6i. | Not used.	N/A
C6j. | Not used.	N/A
C6k. | Not used.	Not used.
C6l. | Not used.	Not used.

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

M1. STRUCTURAL MASONRY:	
Test or Special Inspection	**Code References and Notes**
M1a: Mill Certificates - Reinf. | Mill certificate indicates compliance with requirements for reinforcement, anchors, ties, fasteners and metal accessories. See item C1(b) for identification, sampling and testing of reinforcing steel.	**2103A.4**; TMS 602-16 Article 1.5B.2 & 2.4. * To be performed by qualified LOR representative. Applicable testing by LOR. See IR 17-10 for unidentified reinforcing steel.
M1b: Material Certificates | Producer's certificate of compliance for masonry units, mortar and grout materials.	**1705A.4, 2103A.2, 2103A.3, 2103A.5;** TMS 602 Articles 1.5B.2, 2.1, 2.2, 2.6A and 2.6B, and Table 6 footnote 3.
M1c: Strength Test | Test masonry (f'm).	**1705A.4. For Unit Strength: 2105A.3**; TMS 602 Articles 1.4B.2 ,1.5B.1 & 1.5B.2. **For Prism (required when f'_m > 2000 psi):2105A.2;** TMS 602 Articles 1.4B.3, 1.4B.4, 1.5B.1 & 1.5B.2.
M1d: Mortar Proportions | Verify proportions or properties of site-prepared, premixed or preblended mortar.	TMS 602, Table 3 (row 5), Table 4 Item 1a. DSA PR 20-01. (See Appendix (end of this form) for exemptions.)
M1e: Grout Proportions | Verify proportions or properties of site-prepared, premixed or preblended grout.	TMS 602, Table 3 (row 5), Table 4 Item 2d. (See Appendix (end of this form) for exemptions.)
M1f: Batch Plant Inspection | Batch plant inspection: Periodic	Default of **'Continuous'** per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to **'Periodic'** subject to requirements in Section **1705A.3.3.1,** or not required per **1705A.3.3.2.** See IR 17-13. Refer to TMS 602 Table 3 and Table 4, Item #3a. (See Appendix (end of this form) for exemptions.)
M1g: Core Tests | Test core-drilled samples.	**2105A.4**. (See Appendix (end of this form) for exemptions.)
M1h: Prisms | Inspect preparation of prisms.	TMS 602 Articles 1.4.B.3 & 1.4.B.4 & Table 4 Item 4.
M1i: Dowels and Supports | Verify size, location and condition of all dowels, construction supporting masonry, etc.	
M1j: Reinforcement and Members | Verify size, grade and type of reinforcement, connectors, and anchor bolts. Verify size and location of structural members.	TMS 602 Table 4, Items 1c & 3c.
M1k: Reinforcement Placement | Inspect placement of reinforcement, anchor bolts, and connectors.	TMS 602 Table 4 Item 2c.
M1l: Grout Placement | Placement, consolidation, and reconsolidation of grout.	TMS 602 Table 4 Item 3h.
M1m: Unit Layup and Joints | Inspect placement of masonry units and construction of mortar joints.	TMS 602 Table 4 Item 3b.
M1n: Cold/Hot Weather Work | Verify preparation, construction and protection of masonry during cold weather (temperature below 40º F) or hot weather (temperature above 90º F).	TMS 602 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
M1o: Anchors and Embeds | Inspect type, size and location of anchors and all other items to be embedded in masonry including other details of anchorage of masonry	TMS 602 Table 4 Item 3d.

to structural members, frames and other construction.	
M1p: Grout Cavity | Inspect grout space, including mortar protrusions, prior to placement of grout.	TMS 602 Table 4 Item 2a.

M2. VENEER OR GLASS BLOCK PARTITIONS:	
Test or Special Inspection	**Code References and Notes**
M2a: Mortar and Grout | Verify proportions of site prepared mortar and grout and/or verify certification of premixed mortar.	TMS 602 Table 3 (row 5) and Table 4 Items 1a & 2d.
M2b: Unit Layup and Joints | Inspect placement of units and construction of mortar joints.	TMS 602 Table 4 Item 3b.
M2c: Wires and Connector | Inspect placement of wire, connectors and anchors	TMS 602 Table 4 Item 2c.
M2d: Anchors and Embeds | Inspect type, size and location of anchors and all other items to be embedded in masonry veneer including details of anchorage of masonry to veneer backing, frames and other construction.	TMS 602 Table 4 Item 3d.
M2e: Cold/Hot Weather Work | Verify preparation, construction and protection of masonry during cold weather (temperature below 40º F) or hot weather (above 90º F).	TMS 602 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
M2f: Adhered Veneer Bond | Test adhered veneer bond strength.	**1410.2.1 (Field-constructed mock-up using specified unit, mortar, and substrate, laboratory tested in accordance with ASTM C1823).**

M3. POST-INSTALLED ANCHORS IN MASONRY:	
Test or Special Inspection	**Code References and Notes**
M3a: Inspection | Inspect installation of post-installed anchors	**1617A.1.19, 1705A.4, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic);** ACI 318 Section 26.13. * May be performed by the project inspector when specifically approved by DSA. (See Appendix (end of this form) for exemptions.)
M3b: Test | Test post-installed anchors.	**1705A.4, 1910A.5.** (See Appendix (end of this form) for exemptions.)

M4. OTHER MASONRY:	
Test or Special Inspection	**Code References and Notes**
M4a. | Not used.	N/A
M4b. | Not used.	N/A
M4c. | Not used.	N/A
M4d. | Not used.	N/A
M4e. | Not used.	N/A
M4f. | Not used.	N/A
M4g. | Not used.	N/A
M4h. | Not used.	N/A
M4i. | Not used.	N/A
M4j. | Not used.	N/A
M4k. | Not used.	Not used.
M4l. | Not used.	Not used.

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES	
Test or Special Inspection	**Code References and Notes**
S/A1a: Material Identification | Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	**Table 1705A.2.1 Item 3a–3c.** 2202A.1**;** AISI S100 Section A3.1 & A3.2, AISI S240 Section A3 & A5, AISI S220 Sections A4 & A6. *By special inspector or qualified technician when performed off-site.
S/A1b: Unidentified Material | Test unidentified materials	**2202A.1.**
S/A1c: Steel Fabrication | Verify and document steel fabrication per DSA- approved construction documents.	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
S/A1d: Buckling Restrained Brace | Verify and document steel fabrication per DSA-approved construction documents.	Testing and special inspections in accordance with IR 22-4. For DSA accepted fabrication shops, BRB manufacturer's Certificate of Compliance in lieu of testing and special inspections. See IR 22-4.

S/A2. HIGH-STRENGTH BOLTS:	
Test or Special Inspection	**Code References and Notes**
S/A2a: Product Verification | Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360 Section A3.3, J3.1, and N3.2; RCSC Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
S/A2b: Bolts, Nuts, and Washers | Test high-strength bolts, nuts and washers.	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC Section 7.2; DSA IR 17-8.
S/A2c: Snug Tight | Bearing-type ("snug tight") connections.	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360 J3.1, J3.2, M2.5 & N5.6; RCSC Section 9.1; DSA IR 17-9.
S/A2d: Pretensioned / Slip-Critical | Pretensioned and slip-critical connections.	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360 J3.1, J3.2, M2.5 & N5.6; RCSC Sections 9.2 & 9.3; DSA IR 17-9 *"Continuous" or "Periodic" depends on the tightening method used.

S/A3. WELDING:	
Test or Special Inspection	**Code References and Notes**
S/A3a: Weld Material | Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
S/A3b: Certificate of Compliance | Verify weld filler material manufacturer's certificate of compliance.	DSA IR 17-3.
S/A3c: WPS and Qualifications | Verify WPS, welder qualifications and equipment.	DSA IR 17-3.

S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):	
Test or Special Inspection	**Code References and Notes**
S/A4a: Weld Category A | Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Table 1705A.2.1 Items 5a.1–4;** AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
S/A4b: Weld Category B | Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
S/A4c: Stairs and Railing | Inspect welding of stairs and railing systems.	**1705A.2.1**; AISC 360 (and AISC 341 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
S/A4d: Reinf. Steel Weldability | Verification of reinforcing steel weldability other than ASTM A706.	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
S/A4e: Reinforcing Steel | Inspect welding of reinforcing steel.	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):	
Test or Special Inspection	**Code References and Notes**
S/A5a: Weld Category A | Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Table 1705A.2.1 Items 5a.1–4;** AISC 360 (AISC 341 as applicable); DSA IR 17-3.
S/A5b: Weld Category B | Inspect single-pass fillet welds ≤ 5/16".	**Table 1705A.2.1 Item 5a.5;** AISC 360 (AISC 341 as applicable); DSA IR 17-3.
S/A5c: End Welded Studs | Inspect end-welded studs (ASTM A-108) installation (including bend test).	**2213A.2**; AISC 360 (AISC 341 as applicable); AWS D1.1; DSA IR 17-3.
S/A5d: Deck Welds | Inspect floor and roof deck welds.	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360 (AISC 341 as applicable); AWS D1.3; DSA IR 17-3.
S/A5e: Cold-Formed Steel | Inspect welding of structural cold-formed steel.	**1705A.2.5;** AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
S/A5f: Stairs and Railing | Inspect welding of stairs and railing systems.	**1705A.2.1;** AISC 360 (AISC 341 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
S/A5g: Reinf. Steel Weldability | Verification of reinforcing steel weldability.	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
S/A5h: Reinforcing Steel | Inspect welding of reinforcing steel.	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

S/A6. NONDESTRUCTIVE TESTING:	
Test or Special Inspection	**Code References and Notes**
S/A6a: Ultrasonic | Ultrasonic	**1705A.2.1, Table 1705A.2.1 Item 4c, 1705A.2.5;** AISC 341 J6.2, AISC 360 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A6b: Magnetic Particle | Magnetic Particle	**1705A.2.1, Table 1705A.2.1 Item 4c, 1705A.2.5;** AISC 341 J6.2, AISC 360 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A6c: Not used.	N/A
S/A6d: Not used.	N/A
S/A6e: Not used.	N/A

S/A7. STEEL JOISTS AND TRUSSES:	
Test or Special Inspection	**Code References and Notes**
S/A7a: Fabrication | Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; DSA IR 22-3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

S/A8. SPRAYED FIRE-RESISTANT MATERIALS:	
Test or Special Inspection	**Code References and Notes**
S/A8a: Surface and Installation | Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**1705A.15, 1705A.15.1, 1705A.15.2, 1705A.15.3, 1705A.15.4, 1705A.15.5, 1705A.15.6.**
S/A8b: Density | Test density.	**1705A.15.1, 1705A.15.5, ASTM E605**
S/A8c: Bond: Adhesion/Cohesion | Bond strength adhesion/cohesion.	**1705A.15.1, 1705A.15.6, ASTM E736**

S/A9. ANCHOR BOLTS AND ANCHOR RODS:	
Test or Special Inspection	**Code References and Notes**
S/A9a: Anchor Rods and Bolts | Anchor Bolts and Anchor Rods	Identify, sample and test anchor bolts and anchor rods **not** meeting exemptions identified in Section 1 of IR 17-11.
S/A9b: Other Threaded Rods | Threaded rod not used for foundation anchorage.	Identify, sample and test threaded rods **not** meeting exemptions identified in Section 1 of IR 17-11.

S/A10. STORAGE RACK SYSTEMS:	
Test or Special Inspection	**Code References and Notes**
S/A10a: Material Verification | Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Table 1705A.13.7
S/A10b: Fabrication | Fabricated storage rack elements.	1704A.2.5; Table 1705A.13.7
S/A10c: Anchorage | Storage rack anchorage installation.	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
S/A10d: Completed System | Completed storage rack system to indicate compliance with the approved construction documents.	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

S/A11. Other Steel	
Test or Special Inspection	**Code References and Notes**
S/A11a. | Not used.	N/A
S/A11b. | Not used.	N/A
S/A11c. | Not used.	N/A
S/A11d. | Not used.	N/A
S/A11e. | Not used.	N/A
S/A11f. | Not used.	N/A
S/A11g. | Not used.	N/A
S/A11h. | Not used.	N/A
S/A11i. | Not used.	N/A
S/A11j. | Not used.	N/A
S/A11k. | Not used.	Not used.
S/A11l. | Not used.	Not used.

W1. PREFABRICATED WOOD TRUSSES:	
Test or Special Inspection	**Code References and Notes**
W1a: Open Web Truss Fabrication | Inspect fabrication of manufactured open-web trusses.	**1705A.5.6;** DSA IR 23-8.
W1b: Metal Plate Truss Fabrication | Inspect fabrication of manufactured metal-plate- connected trusses.	**1705A.5.6, 1705A.5.7;** DSA IR 23-4.

W2. MANUFACTURED WOOD STRUCTURAL ELEMENTS:	
Test or Special Inspection	**Code References and Notes**
W2a: GLS Timber Fabrication | Inspect fabrication of structural glued-laminated timber.*	* See **1705A.5.5** for exceptions
W2b: CLT Fabrication | Inspect fabrication of cross-laminated timber.	**1705A.5.5**
W2c: Mass Timber Erection | Inspect erection of mass timber.	**Table 1705A.5.3**, Item 2
W2d: Connections Type A | Inspect mass timber connections with threaded fasteners, bolts, and/or adhesive anchors other than described in item e below. Inspect concealed mass timber connections.	**Table 1705A.5.3**, Items 3.1, 3.3, 3.4, 3.5. For threaded fasteners: Verify use of proper installation equipment. Verify use of pre-drilled holes where required. Inspect screws, including diameter, length, head type, spacing, installation angle, and depth.
W2e: Connections Type B | Inspect mass timber connections with adhesive anchors installed in a horizontal or upward orientation.	**Table 1705A.5.3**, Item 3.2
W2f: Sealants | Inspect application of sealants or adhesives applied to mass timber elements.	**1705A.20**

W3. OTHER Wood:	
Test or Special Inspection	**Code References and Notes**
W3a. | Not used.	N/A
W3b. | Not used.	N/A
W3c. | Not used.	N/A
W3d. | Not used.	N/A
W3e. | Not used.	N/A
W3f. | Not used.	N/A
W3g. | Not used.	N/A
W3h. | Not used.	N/A
W3i. | Not used.	N/A
W3j. | Not used.	N/A
W3k. | Not used.	Not used.
W3l. | Not used.	Not used.

Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

X1. OTHER:	
Test or Special Inspection	**Code References and Notes**
X01. | Load test for identified product(s):	1709A.2, 1709A.3. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
X02. | Installation torque for non-HS bolts on communication tower identified as essential service facility projects (ESFP).	Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications. *EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
X03. | Not used.	N/A
X04. | Not used.	N/A
X05. | Not used.	N/A
X06. | Not used.	N/A
X07. | Not used.	N/A
X08. | Not used.	N/A
X09. | Not used.	N/A
X10. | Not used.	N/A

EXEMPTIONS

SOILS - EXEMPTIONS:
Soils: Eligible shallow foundation elements | Shallow foundations, are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception Item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC, Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill with depth not exceeding 12". These exempt structures shall be identified on the approved construction documents.
Soils: Eligible deep foundation elements, Type 1 | Deep foundation acting as cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report are exempt from special inspection and testing by a Geotechnical Engineer for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.). These exempt structures shall be identified on the approved construction documents.
Soils: Eligible deep foundation elements Type 2 | Deep foundation acting as cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report are exempt from special inspection and testing by a Geotechnical Engineer for the following cases: A) single-story open fabric shade structure, or B) covered walkway structure with an apex height less than 10'-0" above adjacent grade. These exempt structures shall be identified on the approved construction documents.

CONCRETE/MASONRY - EXEMPTIONS:
Concrete/Masonry: Eligible post-installed anchors | Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment – see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below.
Concrete: Batch plant inspection for items listed in and complying with CBC Section 1705A.3.3.2. | Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
Concrete: Epoxy shear dowels in nonstructural slab-on-grade per CBC Section 1910A.5.4, Exception #4. | Epoxy shear dowels in site flatwork and/or other nonstructural concrete.
Concrete/Masonry: Reinforcing bar testing for items listed in and complying with CBC Section 1910A.2. | Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section. These exempt structures shall be identified on the approved construction documents.
Masonry: Freestanding site walls and retaining walls per DSA IR 21-1. | Freestanding and site retaining masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.
Eligible precast elements | Structural tests and special inspections are not required for the following concrete precast elements. Provide a certificate of compliance at delivery. Exemptions shall be identified on the approved construction documents. 1. Underground vaults no greater than 5 feet x 5 feet x unlimited height and pipe manufactured to an ASTM standard, 5 foot or less in diameter. 2. Elements manufactured in a PCI or NPCA certified manufacturing plant:

A. Underground vaults no greater than 16 feet in both length and width, of unlimited height, not subject to loading greater than HS 20-44. B. Pipe. C. Stair treads, landing planks.

WELDING - EXEMPTIONS:
Welding: Eligible fences and gates | Fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade.
Welding: Eligible railing and ramps | Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade; fillet welds shall not be ground flush.
Welding: Eligible interior cold-formed steel framing | Non-bearing non-shearwall interior cold-formed steel framing spanning less than 15'-0" in height and header less than 10'-0" in opening width, such as in interior partitions, interior soffits, etc.
Welding: Eligible equipment curbs | Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection.)
Welding: Eligible components supporting MEP distribution systems | Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection.)
Welding: Eligible mounts and recreational equipment | TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection.)
Welding: Eligible nonstructural components | Any support for exempt non-structural components given in CBC Section 1617A.1.18 meeting the following: A) when supported on a floor/roof, <400# or resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, and <20# for discrete units or <5 plf for distributed systems.