

EL MONTE UNION HIGH SCHOOL DISTRICT

ARROYO HIGH SCHOOL - NEW GREENHOUSE

DSA SUBMITTAL

DSA FILE NO. 19-H10

PTN. : 64519-107

DSA APPLICATION NO.: 03-122086

PROJECT DIRECTORY

OWNER
EL MONTE UNION HIGH SCHOOL DISTRICT
3537 JOHNSON AVENUE, EL MONTE, CA 91731
[T]: 626.444.9005
NORMA MACIAS, OWNERS AUTHORIZED REPRESENTATIVE

ARCHITECT
CSDA DESIGN GROUP
610 E. FRANKLIN AVENUE
EL SEGUNDO, CA , 90245
[T] 310.821.9200
CHRISTOPHER WARD, ASSOCIATE PRINCIPAL

**MECHANICAL/
ELECTRICAL/
PLUMBING**
TX ENGINEERING CORP.
2866 BIRCH LANE
POMONA, CA, 91767
[T] 213.295.5532
THOMAS XU, PRINCIPAL

**CIVIL /
STRUCTURAL**
VCA ENGINEERS, INC.
1041 S. GARFIELD AVENUE SUITE #210
ALHAMBRA, CA 91801
[T] 323.729.6098
EDWIN CASTRO

SCOPE OF WORK

- NEW 24' X 48' MANUFACTURED GREENHOUSE WITH PLANTER BEDS
- NEW CRUSHED ROCK GROUND SURFACE WITH CONCRETE FOOTINGS TO SUPPORT GREENHOUSE
- NEW ELECTRICAL EQUIPMENT TO SERVICE GREENHOUSE
- NEW WATER IRRIGATION PLUMBING TO SERVICE GREENHOUSE
- NEW ACCESSIBLE WALKWAY TO GREENHOUSE FROM EXISTING WALKWAY

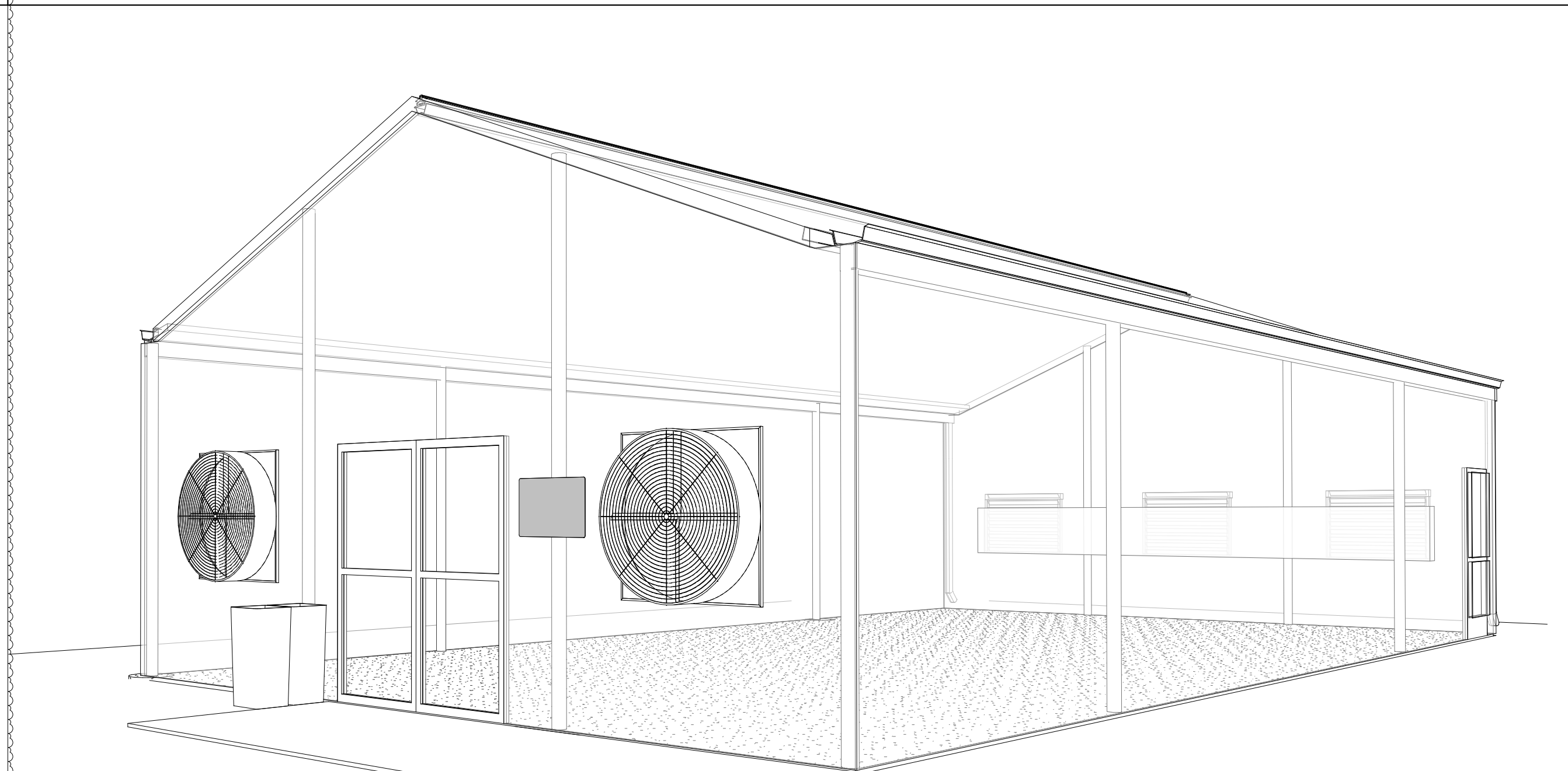
****PER DSA IR A-22 APPENDIX 34, FOOTNOTE 20 & EXEMPTION 2.1.2.2, THE EL MONTE UNION HIGH SCHOOL DISTRICT REQUESTS DSA "ACCESS-ONLY" REVIEW AND ACKNOWLEDGES THE OCCUPIABLE GREENHOUSE WILL NOT BE USED FOR CLASSROOM INSTRUCTION AND NOT APPROVED OR CERTIFIED BY DSA.**

DRAWING INDEX

Sheet Number	Sheet Name
G-001	COVER SHEET - INDEX, SCOPE OF WORK & VICINITY MAP
G-002	GENERAL NOTES, ABBREVIATIONS & SYMBOL LEGEND
G-101	OVERALL CAMPUS SITE PLAN, FLS, & ACCESSIBILITY
C-100	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
C-200	SITE DEMOLITION AND SITE CONTROL PLANS
C-300	SITE GRADING AND SITE UTILITY PLAN
C-400	SITE EROSION PLAN
C-410	EROSION DETAILS
A-001	ENLARGED SITE PLAN - DEMO
A-101	ENLARGED SITE PLAN
A-110	GREENHOUSE FLOOR PLAN
A-111	GREENHOUSE POWER PLAN
A-500	DETAILS - TYPICAL
A-600	SCHEDULES
S-001	GREENHOUSE FOUNDATION PLAN & NOTES
E-001	ELECTRICAL COVER SHEET
E-101	ELECTRICAL SITE PLAN
P-100	PLUMBING LEGEND, NOTES AND SCHEDULE
P-101	PLUMBING SITE PLAN

Grand total: 19

PERSPECTIVE



SITE AREA PERSPECTIVE

ALTERNATE

- ALTERNATE #1 - NEW 2" WATER CONNECTION AND ASSOCIATED YARD BOX AND VALVES PER DRAWING P-101: INCLUDING KEY NOTES 1 THROUGH 6. PROVIDE A HOSE BIBB NEAR GREENHOUSE WITH ADDITIONAL SHUT-OFF VALVE PER P-101
- ALTERNATE #2 - INTERIOR AQUAPONICS EQUIPMENT PER A-600

STATEMENT OF GENERAL CONFORMANCE

THE DRAWING SHEETS LISTED ON THE SHEET INDEX HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE OF CALIFORNIA. I HAVE EXAMINED THE DRAWINGS FOR:

(1) DESIGN INTENT AND THEY APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY MYSELF, AND

(2) COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND ARE 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. [PER TITLE 24, PART 1, SECTION 4-317(B)]

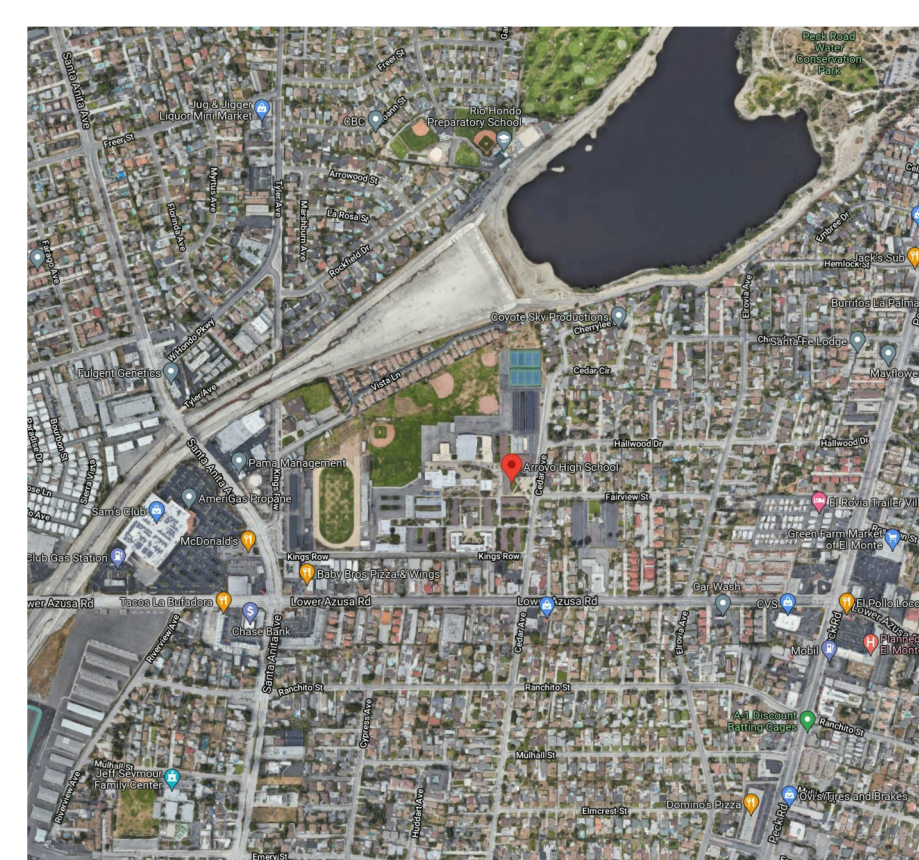
SIGNATURE OF ARCHITECT DESIGNATED TO BE IN RESPONSIBLE CHARGE
CHRISTOPHER WARD

APPLICABLE CODES

THE WORK ON PUBLIC SCHOOL PROJECTS IN CALIFORNIA IS ADMINISTERED AND ENFORCED BY THE DIVISION OF THE STATE ARCHITECT (DSA), INCLUDING THE STRUCTURAL SAFETY SECTION, THE ACCESS COMPLIANCE SECTION, AND THE STATE FIRE MARSHALL.

1. STATUTORY & JUDICIAL REGULATIONS:
 A. 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 B. 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, TITLE 24 C.C.R.
 C. 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3 TITLE 24 C.C.R.
 D. 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
 E. 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 F. 2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
 G. 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
 H. 2019 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.

VICINITY MAP



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122086 INC:
REVIEWED FOR
SS FLS ACS
DATE: 07/11/2022

CSDA DESIGN GROUP

LISTEN COLLABORATE CREATE

610 E. Franklin Ave
El Segundo, CA 90245
T: 310.301.4767
www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT

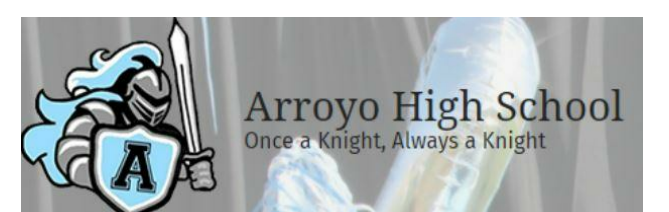
CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
**ARROYO HIGH SCHOOL -
NEW GREENHOUSE**



4921 CEDAR AVE.,
EL MONTE, CA 91732

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **21075.01**
01/07/22

SHEET TITLE:
**COVER SHEET - INDEX,
SCOPE OF WORK &
VICINITY MAP**

SHEET NO.:
G-001

GENERAL NOTES

- 1. ALL CONSTRUCTION AND ALL ON-SITE AND SITE-RELATED ACTIVITIES SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES, ORDINANCES AND STATUTES.
2. DRAWINGS AND SPECIFICATIONS, INTEGRAL OR SEPARATELY PACKAGED, REPRESENT FINISHED CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING.
3. WRITTEN DIMENSIONS GOVERN OVER SCALED DIMENSIONS. EXISTING BUILDING DIMENSIONS ARE FOR GUIDANCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE COMMENCING WORK.
4. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT.
5. NO DEVIATION FROM THE APPROVED DRAWINGS AND SPECIFICATIONS IS PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT.
6. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING THE JOB TO FAMILIARIZE HIMSELF / HERSELF IN DETAIL AS TO THE EXTENT OF THE WORK REQUIRED AND THE EXISTING CONDITIONS, AND SHALL TAKE THESE INTO CONSIDERATION IN THE COST OF THE BID.
7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES, AND SHALL POST OR PUBLISH, AS REQUIRED, ALL NECESSARY NOTICES PRIOR TO PERFORMING ANY WORK ON SITE.
8. THE CONTRACTOR SHALL FURNISH THREE (3) SETS OF SHOP DRAWINGS AND PERFORMANCE SPECIFICATIONS AS REQUESTED FOR REVIEW AND APPROVAL OR REJECTION BY THE ARCHITECT OR ENGINEER PRIOR TO FABRICATION OR DELIVERY OF MATERIAL.
9. ANY WORK OR MATERIALS NOT DIRECTLY NOTED IN THE CONTRACT DOCUMENTS, BUT NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE INTENT THEREOF, ARE IMPLIED AND ARE TO BE PROVIDED AS IF SPECIFICALLY DESCRIBED AT NO ADDITIONAL COST.
10. THE CONTRACTOR SHALL PHOTOGRAPH EXISTING CONDITIONS AT START OF JOB AND VERIFY FUNCTIONALITY OF ELECTRICAL AND MECHANICAL SYSTEMS.
11. TRUCK ROUTES USED FOR THE CONSTRUCTION OF THIS PROJECT ARE TO BE SUBMITTED TO AND APPROVED BY ALL RELEVANT JURISDICTIONS, AS REQUIRED.
12. THE CONTRACTOR SHALL ASSUME CARE, CUSTODY & RESPONSIBILITY FOR SAFEGUARDING THE OWNER'S PROPERTY OF EVERY KIND, WHETHER FIXED OR PORTABLE.
13. THE CONTRACTOR SHALL REPAIR, REPLACE OR OTHERWISE RESTORE ANY DAMAGED PROPERTY UNDER THE CONTRACTOR'S CARE.
14. IN THE DEMOLITION DRAWINGS, DASHED LINES INDICATE CONSTRUCTION FIXTURES OR ITEMS TO BE REMOVED OR SALVAGED.
15. THE CONTRACTOR SHALL MAINTAIN FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION AND SHALL USE CONSTRUCTION MATERIALS, THAT COMPLY WITH ALL APPLICABLE FIRE-RELATED REGULATIONS.
16. EACH CONTRACTOR AND SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND WASTE IN THEIR AREA OF WORK AT LEAST TWICE A WEEK AND SHALL AT ALL TIMES OPERATE IN A CLEAN AND SAFE MANNER.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE OR FOOT TRAFFIC.
18. FUELS, OILS AND SOLVENTS AND OTHER TOXIC OR NON-NATIVE MATERIALS MUST NOT CONTAMINATE ANY SOILS, SURFACE WATERS OR GROUND WATER, AND MUST BE STORED IN ACCORDANCE WITH THEIR LISTING IN APPROVED STORAGE CONTAINERS.
19. HAZARDOUS MATERIALS MAY BE PRESENT ON SITE. THE CONTRACTOR IS TO REVIEW THE DISTRICT'S HAZMAT DOCUMENTS AND GET DIRECTION FROM THE DISTRICT REGARDING REMOVAL OF HAZARDOUS MATERIALS.
20. NO MOTOR VEHICLES ARE TO BE STORED IN BUILDINGS UNDER CONSTRUCTION.
21. THERE SHALL NOT BE ANY TRESPASSING ON ANY ADJOINING PROPERTY.
22. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE PUBLIC RIGHT OF WAY UNLESS AND ENCRoACHMENT PERMIT IS FIRST OBTAINED FROM THE APPROPRIATE LOCAL AUTHORITY.
23. ALL PAINT AND STAIN MATERIALS MUST COMPLY WITH LOCAL, STATE AND FEDERAL AIR POLLUTION CONTROL MANDATES.
24. ALL CONSTRUCTION APPARATUS AND ACTIVITIES SHALL BE LIMITED TO DESIGNATED AREAS.
25. THE CONTRACTOR SHALL FUMIGATE BUILDING(S) AND EMPLOY LICENSED PEST CONTROL CONTRACTOR TO REMOVE ANY INSECTS, BIRDS, OR RODENTS ON SITE, AND TO CLEAN UP CARCASSES AND DROPPINGS DURING CONSTRUCTION & PRIOR TO SUBSTANTIAL COMPLETION.
26. CONTRACTOR IS TO PROVIDE ALL ITEMS THAT ARE NEW AND OF KIND AND QUALITY INDICATED BY THE DRAWINGS AND SPECIFICATIONS U.O.N.

27. ALL CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY AND WHAT IS SPECIFIED BY ONE SHALL BE BINDING AS IF SPECIFIED BY ALL. ANY WORK SHOWN OR REFERRED TO ON CONSTRUCTION DOCUMENTS, WHETHER DRAWINGS OR SPECIFICATIONS, SHALL BE PROVIDED AS THOUGH IT WERE SHOWN ON ALL RELATED DOCUMENTS.
28. N.I.C. ITEMS ARE SHOWN FOR SCOPE COORDINATION PURPOSES ONLY, AND ARE NOT A PART OF THE DSA APPROVAL.
29. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL NOT WORK BEFORE OR AFTER THE HOURS PERMITTED BY LOCAL GOVERNMENT AGENCIES & HUDS, AND IN NO CASE PRIOR TO 6:00 AM EACH WEEKDAY AND 8:00 AM ON WEEKENDS AND HOLIDAYS.
30. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR VENT, DUCT, CONDUIT SLEEVE PENETRATIONS, ETC. NOT SHOWN ON THE ARCHITECTURAL DRAWINGS.
31. CONTRACTOR SHALL NOT DRILL, CUT OR CORE DRILL ANY EXISTING FLOOR, WALL OR ROOF JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED ON THE DSA APPROVED DRAWINGS OR PRIOR APPROVAL OBTAINED BY A.O.R. OR S.E.O.R. & DSA PRIOR TO COMMENCING SUCH WORK.
32. CONTRACTORS SHALL REPAIR, PATCH AND FINISH OR REFINISH TO MATCH ADJACENT EXISTING FINISHES ON ANY NEW OR OLD STRUCTURES OR FINISHES WHICH ARE DAMAGED BY CUTTING, GRINDING, DRILLING, DEMOLITION OR OTHER MEANS DURING CONSTRUCTION.
33. WHERE CONDUIT, DUCTS, PIPES AND SIMILAR ITEMS ARE SHOWN TO BE INSTALLED IN EXISTING WALLS OR PARTITIONS, NEATLY CHASE THE WALLS OR PARTITIONS, INSTALL THE ITEMS, AND PATCH THE WALLS OR PARTITIONS.
34. SEAL TIGHT AND PROTECT WITH FIRE SAVING NEW SLEEVES AND OPENINGS THROUGH FIRE RATED PARTITIONS.
35. WHERE "MATCH EXISTING" IS INDICATED, NEW CONSTRUCTION OR FINISHES ARE REQUIRED TO MATCH THE EXISTING PRODUCTS, MATERIALS AND FINISHES.
36. PAINT ALL EXPOSED CONDUITS, METALS, PIPES, DUCTS, ETC. (U.O.N.). COLORS TO BE SELECTED BY THE ARCHITECT.
37. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS OF REQUIRED SIZES WHERE PLUMBING AND HEATING VALVES NEED TO BE ACCESSIBLE.
38. CONNECTIONS OF ALL DISSIMILAR METAL ITEMS SHALL BE FURNISHED WITH DIELECTRIC SEPARATORS.
39. WHERE WORK IS PERFORMED THAT AFFECTS EXISTING PAINT FINISHES, THE CONTRACTOR SHALL REPAINT AFFECTED AREA TO NEAREST CLEAR BREAK POINT OR WHERE NOTED BY A.O.R.
40. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKBOARDS, ELECTRICAL OUTLETS, CONDUITS, ETC. AS REQUIRED BY THE OWNER'S TELEPHONE COMPANY, TO ACCOMMODATE THEIR INSTALLATION.
41. ALL ELECTRICAL, PHONE, ELECTRONIC, MECHANICAL, PLUMBING AND OTHER LINES SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
42. NO THERMOSTATS SHALL BE LOCATED IN THE CENTER OF WALLS, OR IN ANY OTHER CONSPICUOUS LOCATIONS, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
43. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS.
44. PROOF LOAD TEST FOR EXPANSION ANCHOR BOLTS, ALL CONCRETE ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL BE PROOF TESTED AS SPECIFIED IN CBC SECTION 1910A.5.7.
45. EXIT SIGNS AND DIRECTIONAL SIGNS CONFORMING TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING TITLE 24, CCR SHALL BE PROVIDED.
46. FIXTURES REQUIRED FOR EXIT ILLUMINATIONS SHALL BE SUPPLIED FROM SEPARATE SOURCES OF POWER.
47. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL EFFORT OR KNOWLEDGE.
48. ALL EXIT WAYS IN THE AREA OF WORK SHALL BE EQUIPPED WITH AN APPROVED EMERGENCY LIGHTING SYSTEM OF 5 FOOT-CANDLES OR MORE DESIGNED TO OPERATE WHEN THE BUILDING POWER SOURCE IS INTERRUPTED.
49. THE EQUIPMENT MANUFACTURER OR PRODUCT BRAND SPECIFIED IS USED AS A MEASURE OF QUALITY AND UTILITY OR AS A STANDARD.
50. WHEN REQUIRED, FIRE-RATED GYPSUM WALLBOARD AND/OR PLASTER WALL AND CEILINGS ARE BROKEN TO ANY EXTENT, THE DAMAGED GYPSUM WALLBOARD AND/OR PLASTER SHALL BE REPLACED OR RETURNED TO THE REQUIRED LEVEL OF FIRE RESISTANCE USING A LISTED REPAIR SYSTEM OR USING MATERIALS AND METHODS EQUIVALENT TO THE ORIGINAL CONSTRUCTION.
51. CONTRACTOR IS TO VERIFY ALL EXISTING DIMENSIONS WHERE NEW CONSTRUCTION IS DEPENDENT ON EXISTING DIMENSIONS, BEFORE COMMENCING WORK, AND TO IMMEDIATELY INFORM THE ARCHITECT OF ANY DISCREPANCIES OR ERRORS.
52. ALL DEMOLITION SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS, INCLUDING CBC CH. 34 AND CFC CH. 14, AND THE LATEST PUBLISHED EDITION AND AMENDMENTS.
53. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), LATEST ADOPTED PUBLISHED EDITION AND AMENDMENTS.
54. ALL WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
55. PROVIDE BACKING FOR ALL WALL MOUNTED OR CEILING MOUNTED EQUIPMENT EVEN IF NOT NOTED. POSITIVE CONNECTION IS REQUIRED THROUGH OUT THE PROJECT.
56. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
57. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK.
58. A DSA-CERTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
59. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
60. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes terms like NOTE, PENNY, ANCHOR BOLT, ASPHALTIC CONCRETE, ACCESSIBLE, ACQUIS, ACCESS PANEL, ACUST, ACUSTICAL CEILING TILE, AMERICANS WITH DISABILITIES ACT, ADDL, ADHESIVE, ADJUSTABLE, ADMINISTRATION, ABOVE FINISHED FLOOR, AGGR, AGGREGATE, ALT, ALUMINUM, ANOD, ANODIZED, APPROX, APPROXIMATE, ARCH, ARCHITECT, ASPH, ASPHALT, BOARD, BELOW FINISHED FLOOR, BITUMINOUS, BUILDING, BLK, BLOCK, BM, BEAM, BOT, BOTTOM, BSMT, BASEMENT, BTWN, BETWEEN, BUR, BUILT-UP ROOFING, CAB, CABINET, CAT, CATCH BASIN, CBB, CEMENTITIOUS (BACKER) BOARD, CER, CERAMIC, CER, CORNER GUARD, CJ, CONTROL JOINT, CL, CENTER LINE, CLG, CEILING, CLO, CLOSET, CLF, CHAINLINK FENCE, CLR, CLEAR, CLR ANOD, CLEAR ANODIZED, CLRM, CLASSROOM, CMJ, CONCRETE MASONRY UNIT, COL, COLUMN, CONC, CONCRETE, CONF, CONFERENCE, CONN, CONNECTION, CONSTR, CONSTRUCTION, CONT, CONTINUOUS, CONTR, CONTRACTOR, CORR, CORRIDOR, CPT, CONTINUOUS, CSK, COUNTER SUNK, CT, CERAMIC TILE, CTR, CENTER, DBL, DOUBLE, DEMO, DEMOLITION, DET(S), DETAIL(S), DF, DRINKING FOUNTAIN, DIA, DIAMETER, DIM, DIMENSION, DISP, DISPENSER, DN, DOWN, DR, DOOR, DR OPNG, DOOR OPENING, DS, DOWNSPOUT, DWG(S), DRAWING(S), (E), EACH, EXIT DEVICE, EXPANSION JOINT, EL, ELEVATION, ELECTRICAL, ELEV, ELEVATOR, EMER, EMERGENCY, ENCL, ENCLOSURE, EQ, EQUAL, EQUIP, EQUIPMENT, ES, EACH SIDE, EW, EACH WAY, EXP, EXHAUST, EXP, EXPANSION, EXP BT, EXPANSION BOLT, EXT, EXTERIOR, FA, FIRE ALARM, FD, FLOOR DRAIN, FDN, FOUNDATION, FE, FIRE EXTINGUISHER, FEC, FIRE EXTINGUISHER CABINET, FHC, FIRE HOSE CABINET, FHMS, FLAT HEAD MACHINE SCREW, FLW, FLAT HEAD WOOD SCREW, FIN, FINISH, FIN FLR, FINISHED FLOOR, FIX, FIXTURE, FLOUR, FLOURSCENT, FLR, FLOOR, FO, FACE OF, FR, FIRE RATED, FRMG, FRAMING, FT, FOOT OR FEET, FTG, FOOTING, GA, GAGE, GALV, GALVANIZED, GB, GRAB BAR, GEN, GENERAL, GFRC, GLASS-FIBER-REINF. CONC, GL, GLASS, GND, GROUND, GSM, GALVANIZED SHEET METAL, GYP, GYPSUM, HB, HOSE BIBB, HC, HOLLOW CORE, HDR, HEADER, HDW, HARDWARE, HDWD, HARDWOOD, HM, HOLLOW METAL, HNDRL, HANDRAIL, HORIZ, HORIZONTAL, HR, HOUR, HT, HEIGHT, HVAC, HEATING, VENTILATING AND AIR CONDITIONING, IN, INCH, INCL, INCLUDING/INCLUDED, INFO, INFORMATION, INSUL, INSULATION, INT, INTERIOR, JAN, JANITOR, JT, JOINT, KIT, KITCHEN, LAB, LABORATORY, LAM, LAMINATE, LAV, LABORATORY, LB, LAG BOLT, LSC, LAY IN SUSPENDED CEILING, MAINT, MAINTENANCE, MATL, MATERIAL, MAX, MAXIMUM, MB, MACHINE BOLT, MECH, MECHANICAL, MEMB, MEMBRANE, MEZZ, MEZZANINE, MFR, MANUFACTURER, MH, MANHOLE, MIN, MINIMUM, MISC, MISCELLANEOUS, MTD, MOUNTED, MTL, METAL, MTL, METAL PARTITION, (N), NEW, NOT IN CONTRACT, NUM, NUMBER, NO, NOMINAL, NPS, NOMINAL PIPE SIZE, NTS, NOT TO SCALE, OC, OVER, ON CENTER, OCC, OCCUPANT(S), OFD, OVERFLOW DRAIN, OFF, OFFICE, OF/CI, OWNER FURNISHED & CONTRACTOR INSTALLED OVERHEAD OPENING, OH, OPENING, PA, PUBLIC ADDRESS, PA, PLANTING AREA, PH, PANIC HARDWARE, PHS, PHILLIPS HEAD SCREW, PL, PLATE, PLM, PLASTER, PLAS, PLASTIC LAMINATE, PLY, PLYWOOD, PNL, PANEL, PR, PAIR, PRCST, PRECAST, PREFAB, PREFABRICATED, PREP, PREPARATION, PT, PRESSURE TREATED, PTD, PAINTED, PTD, PAPER TOWEL DISPENSER, PTD/R, PAPER TOWEL DISPENSER & RECEP, PTN, PARTITION, PVC, POLYVINYL CHLORIDE, QT, QUARRY TILE, QTY, QUANTITY, R, RISER, R, RADIUS, RBR, RUBBER, RCP, REFLECTED CEILING PLAN, RD, ROOF DRAIN, REBAR, REINFORCING STEEL BARS, REF, REFERENCE, REINF, REINFORCED, RELOC, RELOCATABLE, REQD, REQUIRED, REV, REVISION, RM, ROOM, RO, ROUGH OPENING, RWD, REDWOOD, RWL, RAIN WATER LEADER, SAT, SEALED CONCRETE, SC, SEE CIVIL DRAWINGS, SCHED, SCHEDULE, SCW, SOLID CORE WOOD, SD, SOAP DISPENSER, SD, SMOKE DETECTOR, SECT, SECTION, SED, SEE ELECTRICAL DRAWINGS, SF, SQUARE FEET, SH, SHEET, SIM, SIMILAR, SLD, SEE LANDSCAPE DRAWINGS, SLNT, SEALANT, SMD, SEE MECHANICAL DRAWINGS, SND, SANITARY NAPKIN DISPENSER, SNR, SANITARY NAPKIN RECEPTACLE, SPD, SEE PLUMBING DRAWINGS, SPEC, SPECIFICATION, SPKLR, SPRINKLER, STOR, STORAGE, SS, SEE STRUCTURAL DRAWINGS, SST, STAINLESS STEEL, STC, SOUND TRANSMISSION CLASS, STD, STANDARD, STL, STEEL, STOR, STORAGE, STRUCT, STRUCTURAL, SUSP, SUSPENDED, SVCE, SERVICE, SYM, SYMBOL, T, TREAD, T&B, TOP AND BOTTOM, T&G, TONGUE AND GROOVE, TEL, TELEPHONE, TER, TERRAZZO, THK, THICK, THRES, THRESHOLD, TMPD, TEMPERED, TO, TOP OF, TOC, TOP OF CONCRETE, TOP, TOP OF PARAPET, TOS, TOP OF STEEL, TOW, TOP OF WALL, TPD, TOILET PAPER DISPENSER, TS, TUBE STEEL, TSCD, TOILET SEAT COVER DISPENSER, TVS, TACKABLE WALL SURFACE, TYP, TYPICAL, UNFN, UNFINISHED, UNON, UNLESS OTHERWISE NOTED, URN, URINAL, VCT, VINYL COMPOSITION TILE, VERT, VERTICAL, VIF, VERIFY IN FIELD

SYMBOLS

Diagrammatic symbols for construction drawings including: NORTH INDICATOR (PLAN NORTH, TRUE NORTH), GRID INDICATOR (0), ROOM IDENTIFIER WITH AREA (ROOM NAME 101, 150 SF), DOOR # (200E-A), KEYNOTE (00.00.00), CENTERLINE (E), CEILING HEIGHT (+10' - 0 1/2"), ADA CLEAR SPACE (42x30, 60x60, 5'-0" radius), ENLARGED VIEW (DETAIL #, SHEET #), NORTH INDICATOR, GRID INDICATOR, LEVEL (Name, Elevation), EXTERIOR ELEVATION INDICATOR (DETAIL #, SHEET #), DETAIL CALLOUT (1, A101, SIM, SHEET #), SECTION CALLOUT (1, A101, SIM, SHEET #), SPOT ELEVATION & CEILING ELEVATION.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-122086 INC. REVIEWED FOR SS [] FLS [] ACS [x] DATE: 07/11/2022



610 E. Franklin Ave El Segundo, CA 90245 T: 415.689.9800 www.csdadesigngroup.com

ARCHITECT STAMP

CONSULTANT

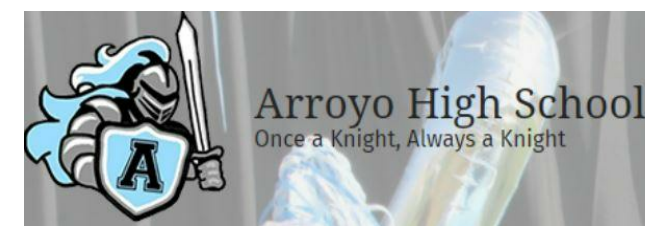
CONSULTANT STAMP

PROJECT OWNER: EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE, EL MONTE, CA 91731

PROJECT NAME: ARROYO HIGH SCHOOL - NEW GREENHOUSE



4921 CEDAR AVENUE EL MONTE, CA 91731

Table with 3 columns: MARK, DATE, DESCRIPTION. Includes entries for 01/07/22 (100% CD SET), 03/03/22 (DSA SUBMITTAL), and V2 (DSA V2 SUBMITTAL).

PROJECT NO.: 21075-01 01/07/2022

SHEET TITLE: GENERAL NOTES, ABBREVIATIONS & SYMBOL LEGEND

SHEET NO.: G-002

CODE ANALYSIS

CONSTRUCTION TYPE: VB (AUTOMATIC SPRINKLER NOT REQUIRED)
 OCCUPANCY GROUP: U
 OCC: OTHER VOCATIONAL ROOM AREAS - OCC LOAD 50 NET (27 OCC. TOTAL)
 ALLOWABLE BUILDING HEIGHT: GROUP U = 40 FT WITHOUT HEIGHT INCREASE
 ALLOWABLE NUMBER OF STORIES: GROUP U = ONE (1)
 ALLOWABLE AREA FACTOR (TYPE VB): U OCCUPANCY = 5,500 SF

PROPOSED BUILDING HEIGHT: 1 STORY = 15 FT < ALLOWABLE
 PROPOSED BUILDING AREA - GROSS: 1,344 SF < ALLOWABLE

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) TYPE VB TABLE 601

BUILDING ELEMENT	FIRE RATING	REFERENCE
Primary structural frame (see Section 202)	0	CBC TBL 601
Bearing walls - Exterior	0	CBC TBL 601
Bearing walls - Interior	0	CBC TBL 601
Nonbearing walls and partitions - Exterior (Table 602 > 10')	0	CBC TBL 601
Nonbearing walls and partitions - Interior	0	CBC TBL 601
Floor construction and associated secondary members	0	CBC TBL 601
Roof construction and associated secondary members	0	CBC TBL 601

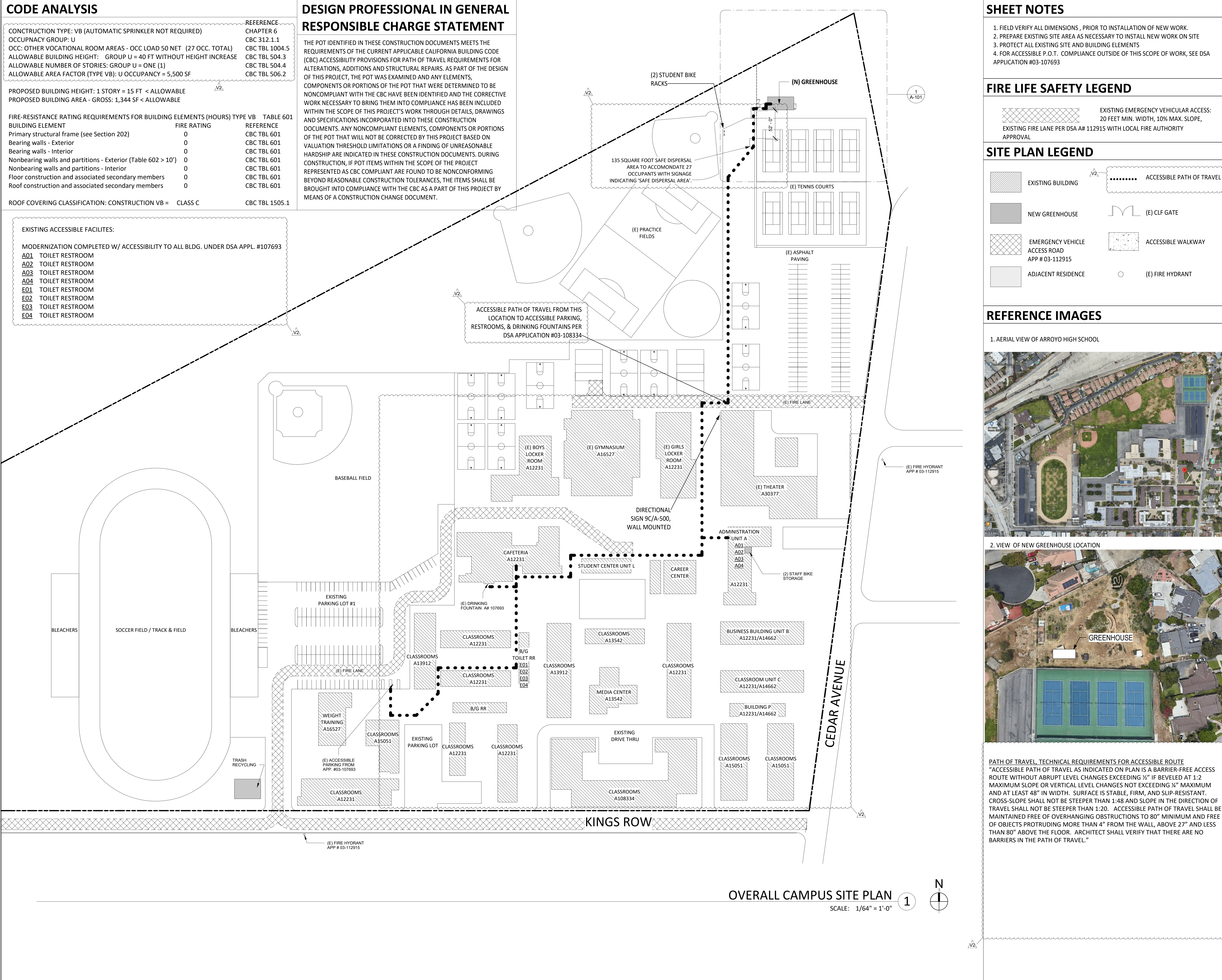
ROOF COVERING CLASSIFICATION: CONSTRUCTION VB = CLASS C CBC TBL 1505.1

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

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 NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE 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. 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.

EXISTING ACCESSIBLE FACILITIES:

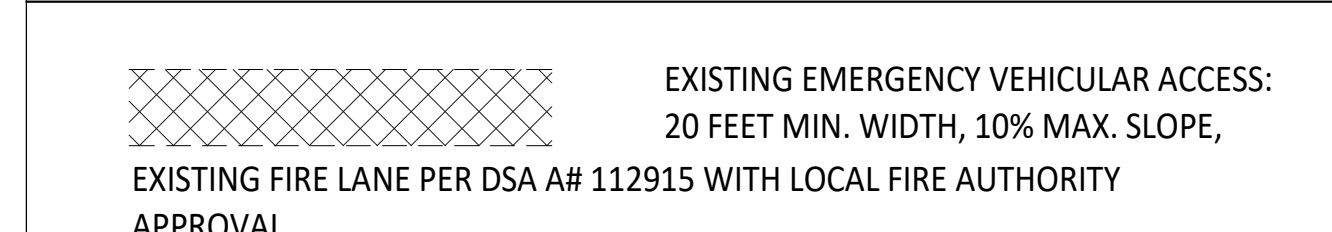
- MODERNIZATION COMPLETED W/ ACCESSIBILITY TO ALL BLDG. UNDER DSA APPL. #107693
- A01 TOILET RESTROOM
 - A02 TOILET RESTROOM
 - A03 TOILET RESTROOM
 - A04 TOILET RESTROOM
 - E01 TOILET RESTROOM
 - E02 TOILET RESTROOM
 - E03 TOILET RESTROOM
 - E04 TOILET RESTROOM



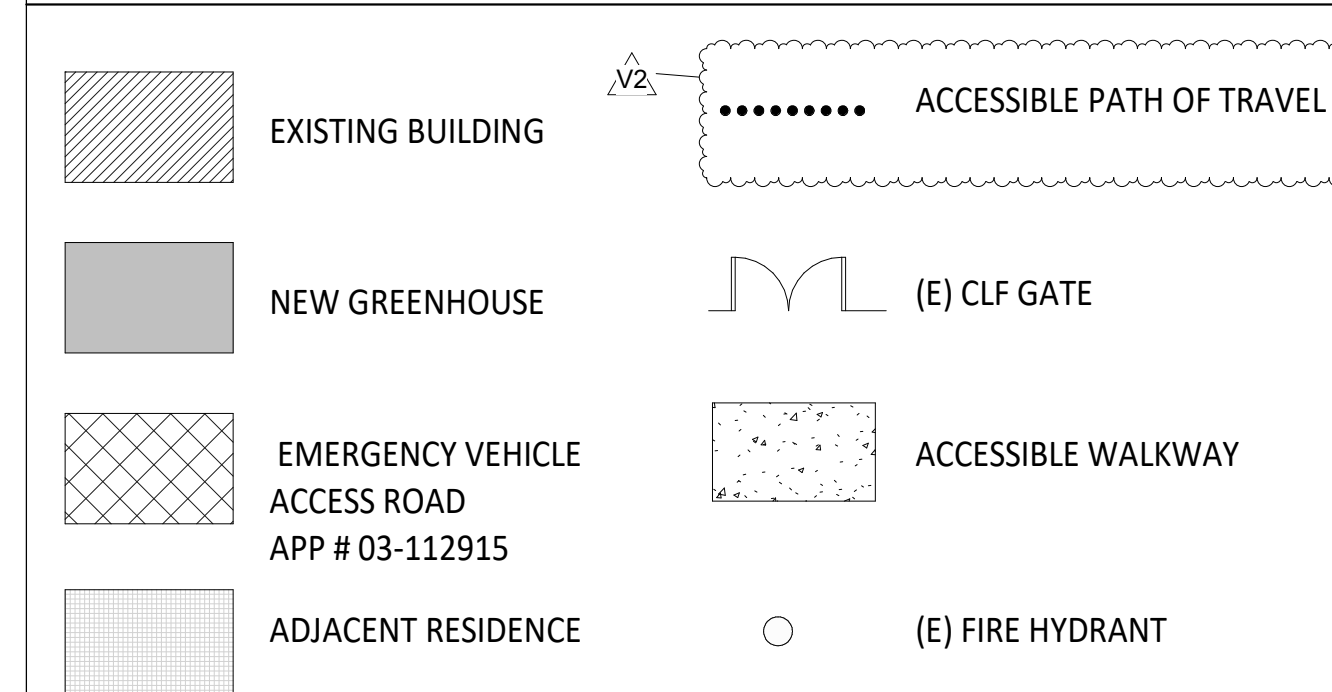
SHEET NOTES

- FIELD VERIFY ALL DIMENSIONS, PRIOR TO INSTALLATION OF NEW WORK.
- PREPARE EXISTING SITE AREA AS NECESSARY TO INSTALL NEW WORK ON SITE
- PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS
- FOR ACCESSIBLE P.O.T. COMPLIANCE OUTSIDE OF THIS SCOPE OF WORK, SEE DSA APPLICATION #03-107693

FIRE LIFE SAFETY LEGEND



SITE PLAN LEGEND

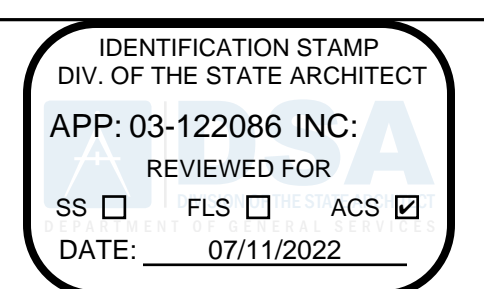


REFERENCE IMAGES



PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE
 "ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" 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. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL."

OVERALL CAMPUS SITE PLAN 1
 SCALE: 1/64" = 1'-0"



610 E. Franklin Ave
 El Segundo, CA 90245
 T: 415.689.9800
 www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
 EL MONTE, CA 91731

PROJECT NAME:
ARROYO HIGH SCHOOL - NEW GREENHOUSE



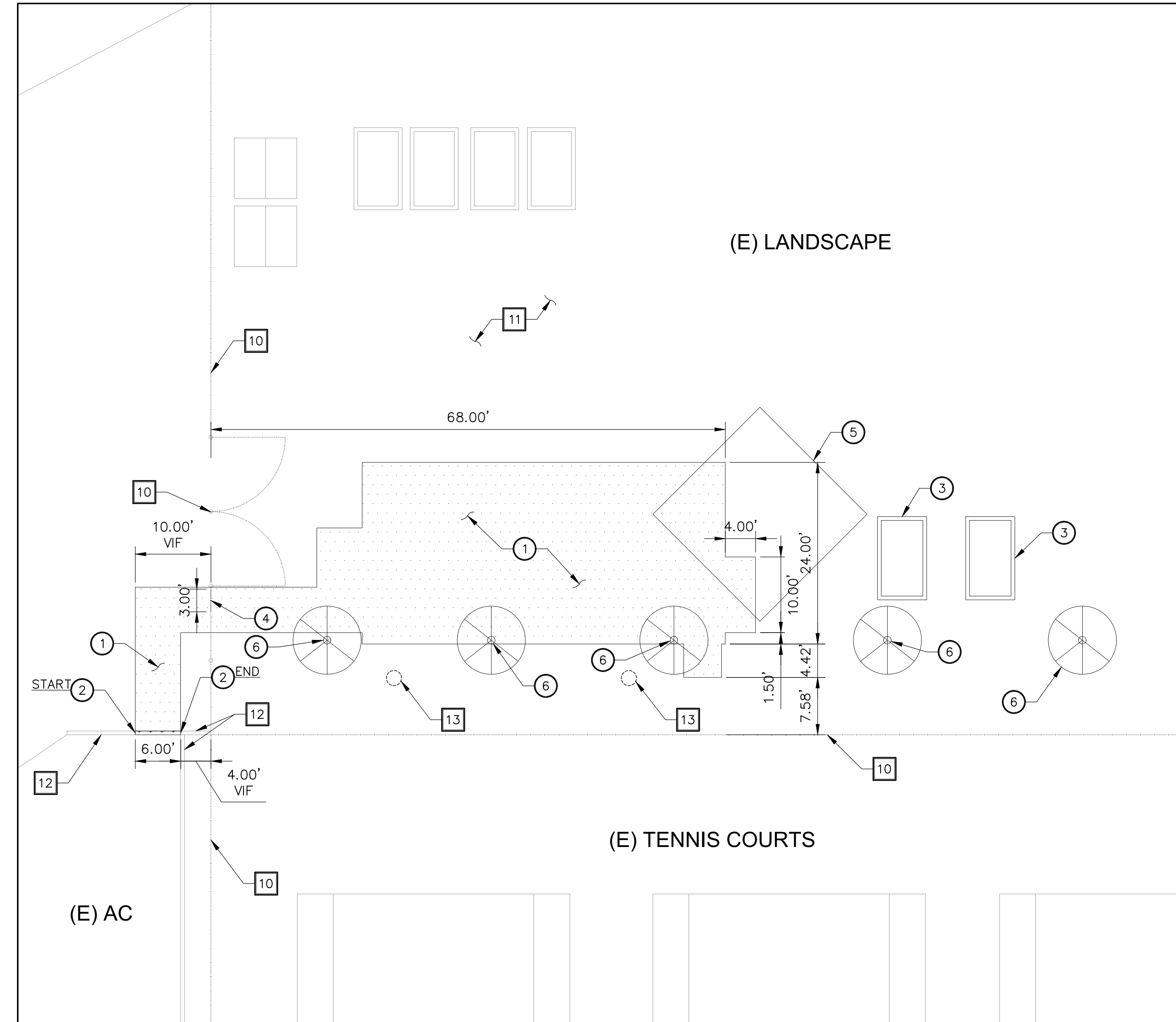
4921 CEDAR AVENUE
 EL MONTE, CA 91731

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

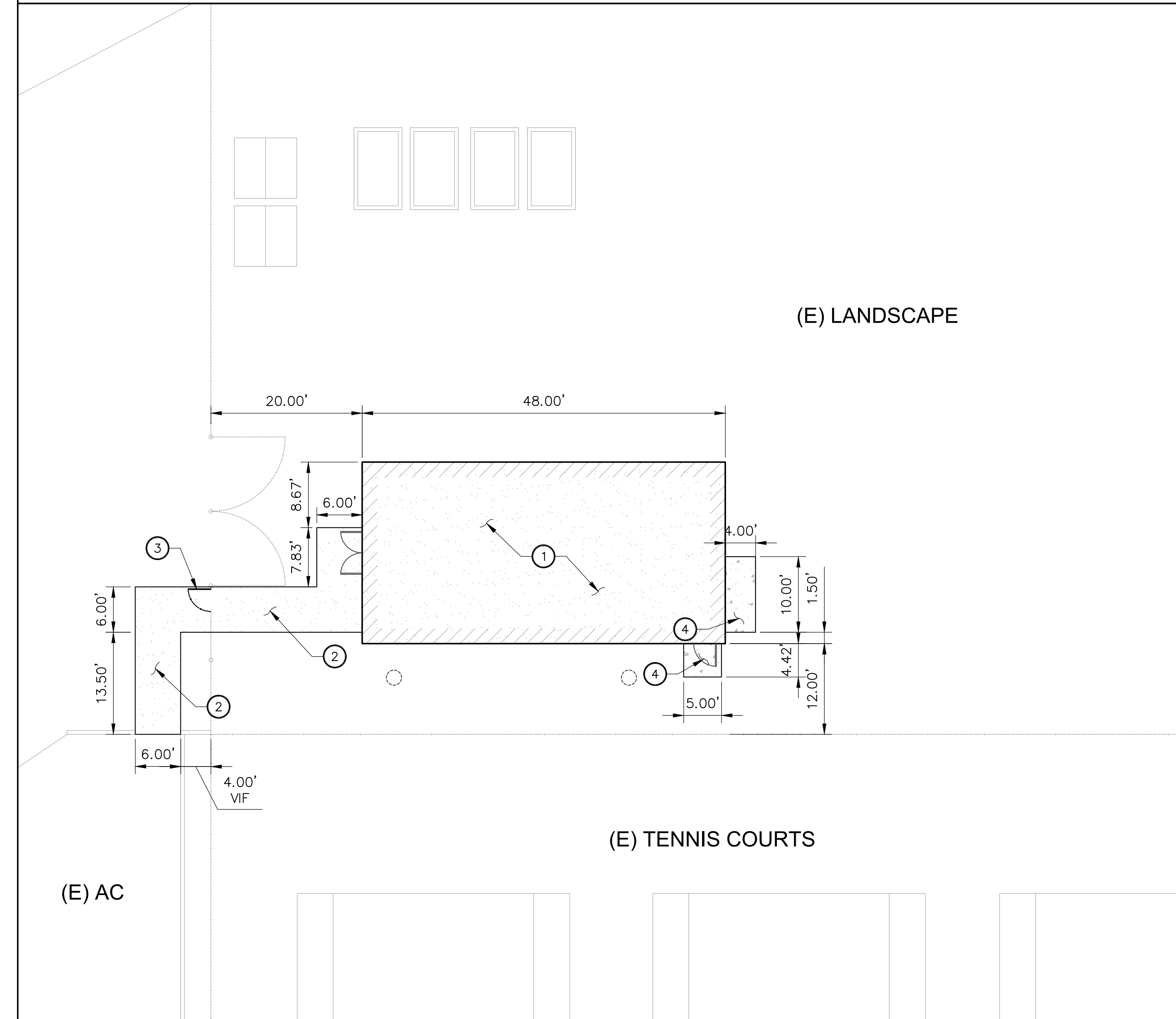
PROJECT NO.: **21075-01**
 01/07/2022

SHEET TITLE:
OVERALL CAMPUS SITE PLAN, FLS, & ACCESSIBILITY

SHEET NO.:
G-101



SITE DEMOLITION PLAN



SITE CONTROL PLAN

REMOVAL NOTES:

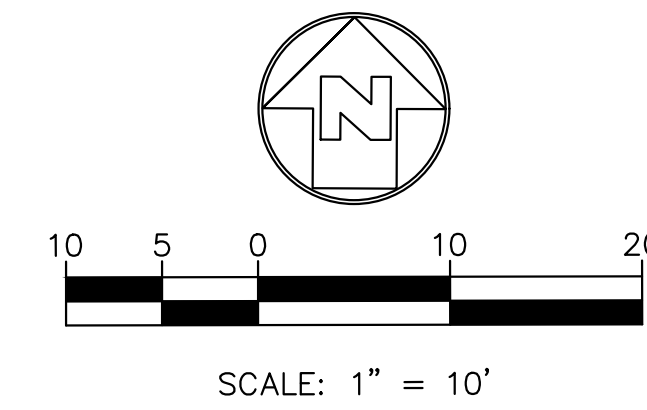
- ① CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
- ② REMOVE EXISTING CURB FULL DEPTH.
- ③ REMOVE AND SALVAGE EXISTING PLANTER BEDS PER ARCHITECTURAL DRAWINGS.
- ④ REMOVE EXISTING FENCE.
- ⑤ REMOVE EXISTING SUN SAIL SHADE AND POSTS IN ITS ENTIRETY PER ARCHITECTURAL DRAWINGS.
- ⑥ REMOVE EXISTING TREE AND ROOTS IN ITS ENTIRETY.

PROTECT IN PLACE NOTES:

- 10 PROTECT IN PLACE EXISTING FENCE/GATE.
- 11 PROTECT IN PLACE EXISTING PLANTER AREA/LAWN.
- 12 PROTECT IN PLACE EXISTING CURB.
- 13 PROTECT IN PLACE EXISTING IRRIGATION VALVE.

LEGEND:

- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
- REMOVE EXISTING CURB FULL DEPTH.

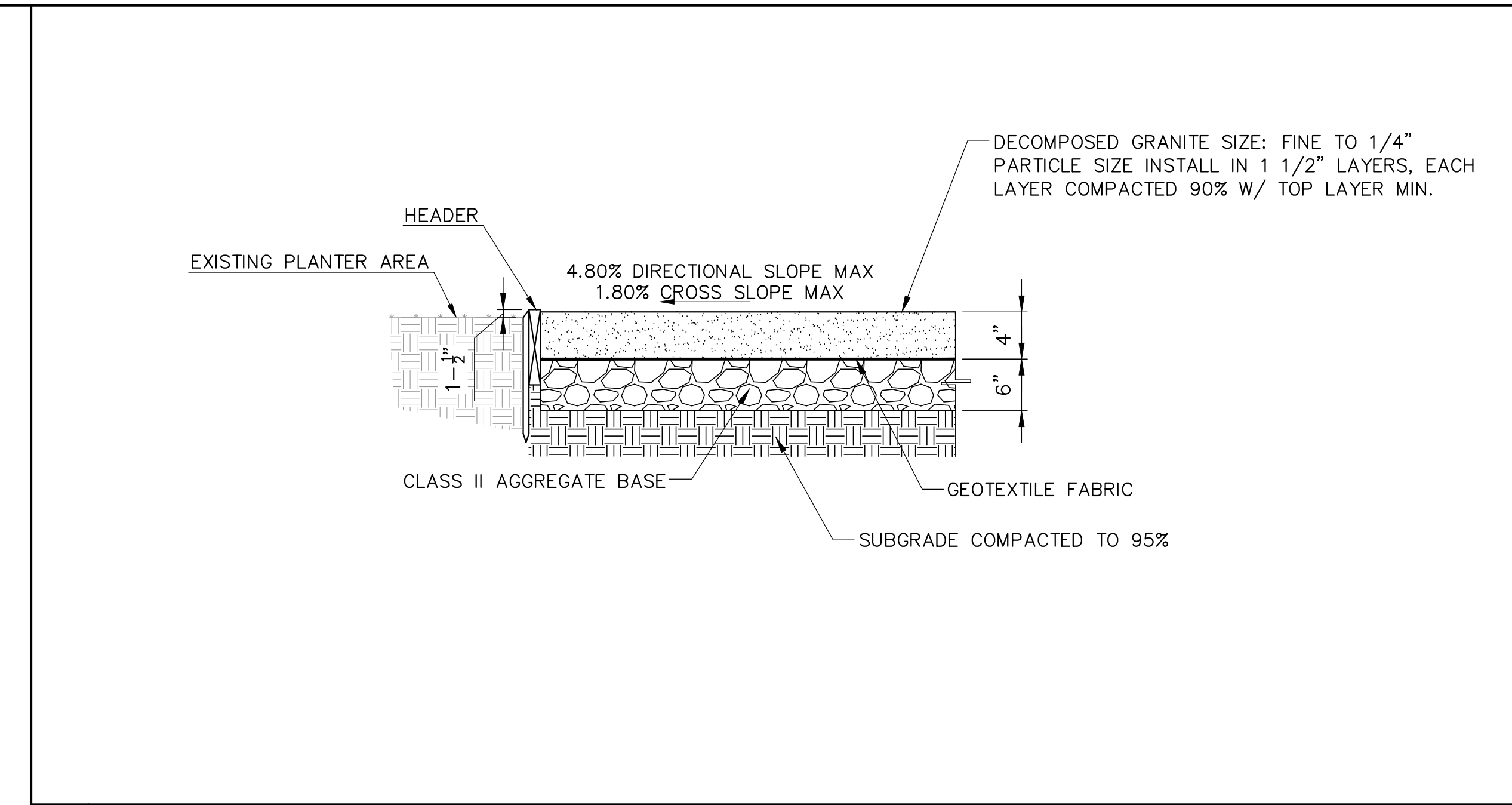
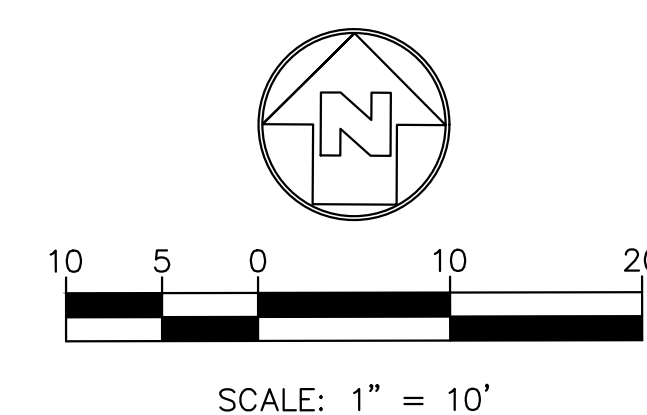


CONSTRUCTION NOTES:

- ① GREENHOUSE PER ARCHITECTURAL AND STRUCTURAL DRAWINGS. GREENHOUSE FLOORING SHALL BE DECOMPOSED GRANITE PER DETAIL 1 ON THIS SHEET.
- ② DECOMPOSED GRANITE PER DETAIL 1 ON THIS SHEET.
- ③ ADA GATE PER DETAIL 7 & 8 ON ARCHITECTURAL SHEET A-500.
- ④ CONCRETE PAD LANDING PER DETAIL 2 ON ARCHITECTURAL SHEET A-500.

LEGEND:

- DECOMPOSED GRANITE
- CONCRETE PAVEMENT
- GREENHOUSE STRUCTURE



1 DECOMPOSED GRANITE
SCALE: NOT TO SCALE

SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C-100.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. FOR PAVEMENT FINISHES REFER TO ARCHITECTURAL DRAWINGS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122086 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/11/2022

CSDA DESIGN GROUP

LISTEN COLLABORATE CREATE

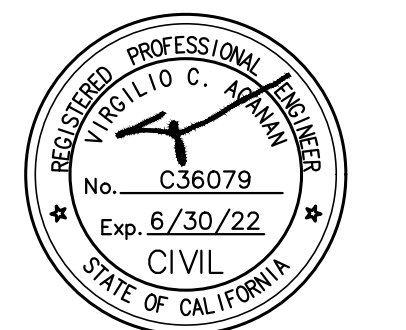
610 E. Franklin Ave
El Segundo, CA 90245
[T]: 310.821.9200
www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT:



CONSULTANT STAMP



PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

ARROYO HIGH SCHOOL



4921 CEDAR AVENUE
EL MONTE, CA, 91731

MARK DATE	DESCRIPTION
01-07-2022	100% CD SET
03-03-2022	DSA SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

SHEET TITLE:
SITE DEMOLITION PLAN AND SITE CONTROL PLAN

SHEET NO.:
C-200

GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL 911.
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE ARCHITECT IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHEREVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE ARCHITECT.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP'S ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY OAR/IOR AND ARCHITECT (COPIES OF SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST). AT HIS/HER EXPENSE THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A QUALIFIED SWPPP PRACTITIONER FOR THE DURATION OF THE PROJECT.
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."
20. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE "CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK" - JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE ARCHITECT.

EROSION CONTROL

- EC1 - SCHEDULING
- EC2 - PRESERVATION OF EXISTING VEGETATION
- EC3 - HYDRAULIC MULCH
- EC4 - HYDROSEEDING
- EC5 - SOIL BINDERS
- EC6 - STRAW MULCH
- EC7 - GEOTEXTILES AND MATS
- EC8 - WOOD MULCHING
- EC9 - EARTH DIKES AND DRAINAGE SWALES
- EC10 - VELOCITY DISSIPATION DEVICES
- EC11 - SLOPE DRAINS
- EC12 - STREAMBANK STABILIZATION
- EC13 - POLYACRYLAMIDE

NON-STORMWATER MANAGEMENT

- NS1 - WATER CONSERVATION PRACTICES
- NS2 - DEWATERING OPERATIONS
- NS3 - PAVING AND GRINDING OPERATIONS
- NS4 - TEMPORARY STREAM CROSSING
- NS5 - CLEARWATER DIVERSION
- NS6 - ILLICIT CONNECTION/DISCHARGE
- NS7 - POTABLE WATER/IRRIGATION
- NS8 - VEHICLE AND EQUIPMENT CLEANING
- NS9 - VEHICLE AND EQUIPMENT FUELING
- NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
- NS11 - PILE DRIVING OPERATIONS
- NS12 - CONCRETE CURING
- NS13 - CONCRETE FINISHING
- NS14 - MATERIAL AND EQUIPMENT USE
- NS15 - DEMOLITION ADJACENT TO WATER
- NS16 - TEMPORARY BATCH PLANTS

TEMPORARY SEDIMENT CONTROL

- SE1 - SILT FENCE
- SE2 - SEDIMENT BASIN
- SE3 - SEDIMENT TRAP
- SE4 - CHECK DAM
- SE5 - FIBER ROLLS
- SE6 - GRAVEL BAG BERM
- SE7 - STREET SWEEPING AND VACUUMING
- SE8 - GRAVEL BAG BARRIER
- SE9 - STRAW BALE BARRIER
- SE10 - STORM DRAIN INLET PROTECTION

EQUIPMENT TRACKING CONTROL

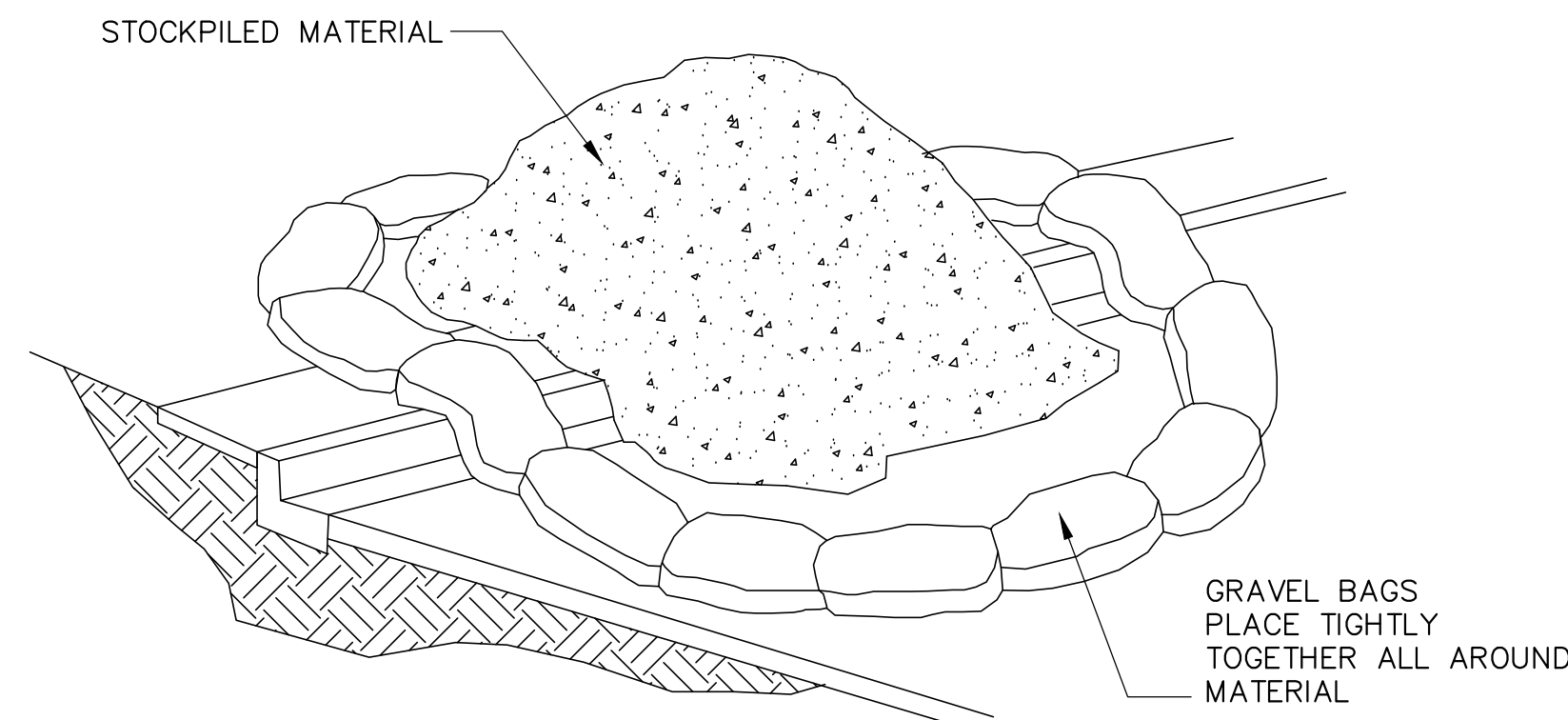
- TC1 - STABILIZED CONSTRUCTION ENTRANCE EXIT
- TC2 - STABILIZED CONSTRUCTION ROADWAY
- TC3 - ENTRANCE/OUTLET TIRE WASH

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

- WM1 - MATERIAL DELIVERY AND STORAGE
- WM2 - MATERIAL USE
- WM3 - STOCKPILE MANAGEMENT
- WM4 - SPILL PREVENTION AND CONTROL
- WM5 - SOLID WASTE MANAGEMENT
- WM6 - HAZARDOUS WASTE MANAGEMENT
- WM7 - CONTAMINATION SOIL MANAGEMENT
- WM8 - CONCRETE WASTE MANAGEMENT
- WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
- WM10 - LIQUID WASTE MANAGEMENT

WIND EROSION CONTROL

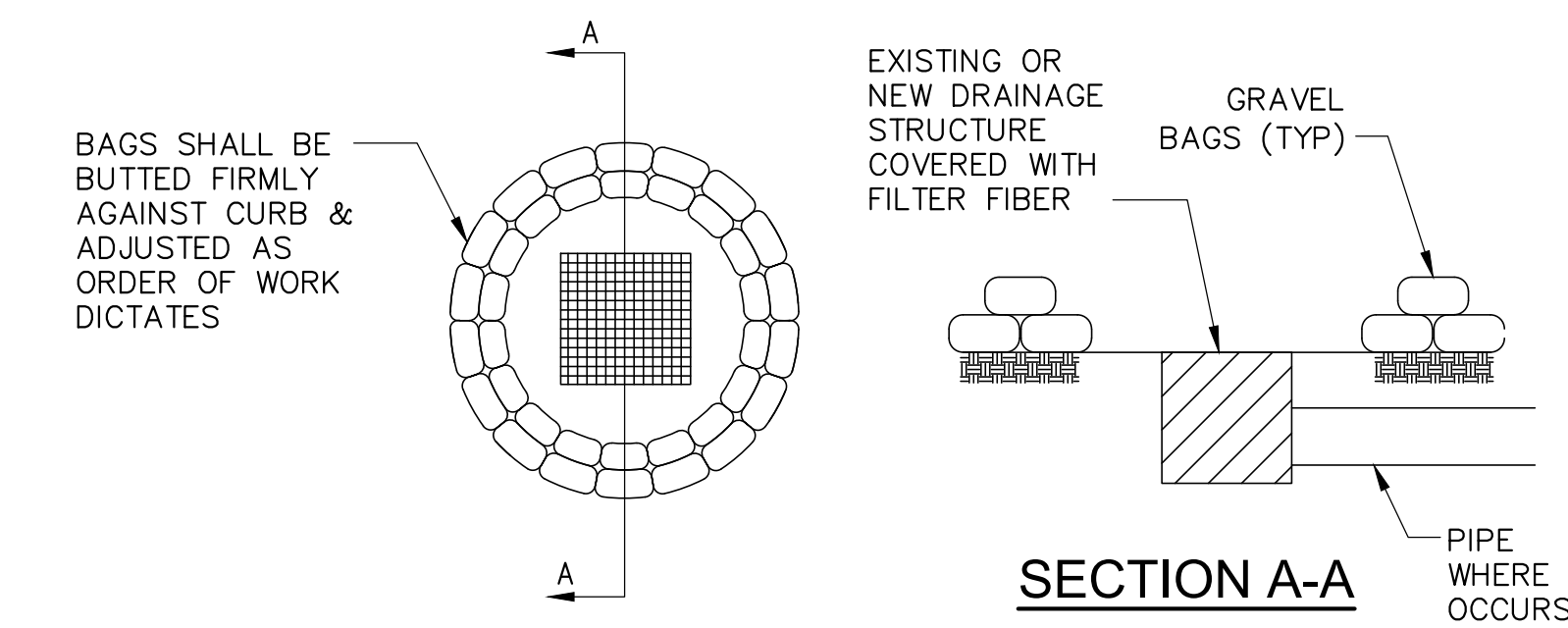
- WE1 - WIND EROSION CONTROL



NOTES:

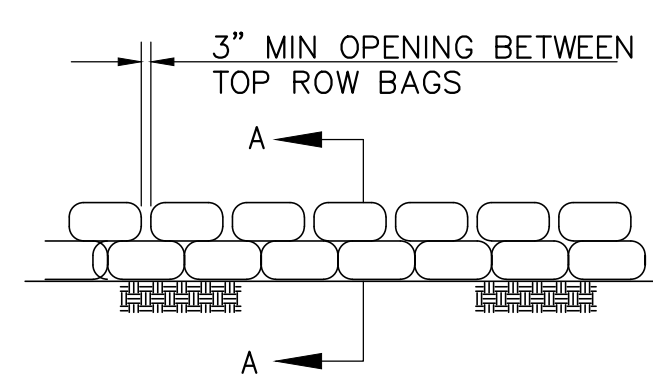
1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

3 MATERIAL STORAGE NOT TO SCALE



4 GRAVEL BAG CHECKDAM NOT TO SCALE

1 GENERAL NOTES



SECTION A-A

2 GRAVEL BAG DETAIL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122086 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 07/11/2022

CSDA DESIGN GROUP
LISTEN COLLABORATE CREATE

610 E. Franklin Ave
El Segundo, CA 90245
[T]: 310.821.9200
www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT:

MCA ENGINEERS INC.
10415 Garfield Avenue, Suite 210
Alhambra, CA 91801
Tel: 323.228.8888
Fax: 323.228.8043

CONSULTANT STAMP

PROFESSIONAL ENGINEER
No. C36079
Exp. 8/30/22
CIVIL
STATE OF CALIFORNIA

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

ARROYO HIGH SCHOOL



4921 CEDAR AVENUE
EL MONTE, CA, 91731

MARK DATE	DESCRIPTION
01-07-2022	100% CD SET
03-03-2022	DSA SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

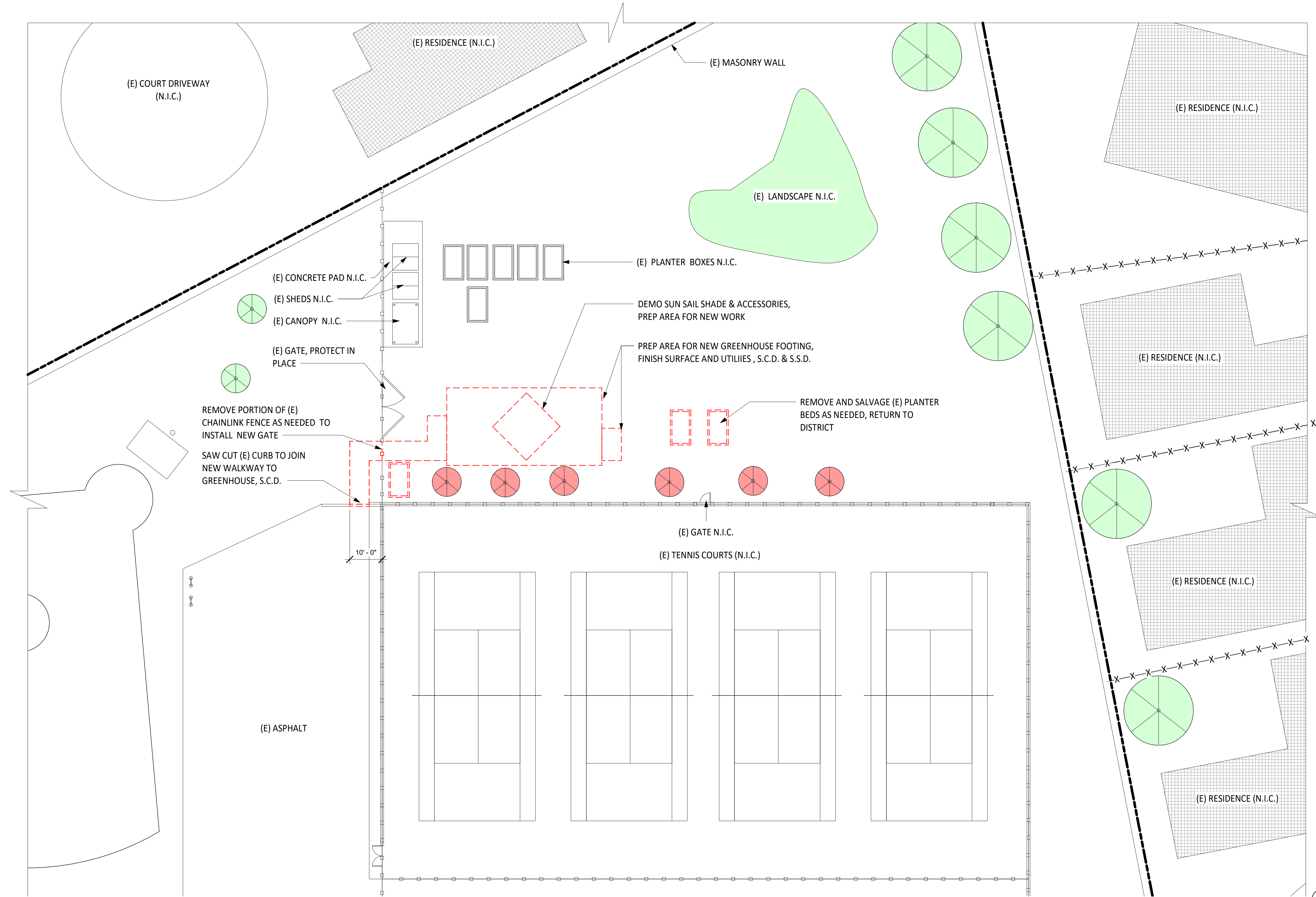
SHEET TITLE:

EROSION DETAILS

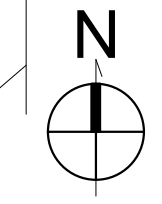
SHEET NO.:

C-410

6/28/2022 2:23:12 PM



DEMO SITE PLAN
SCALE: 1/16" = 1'-0"

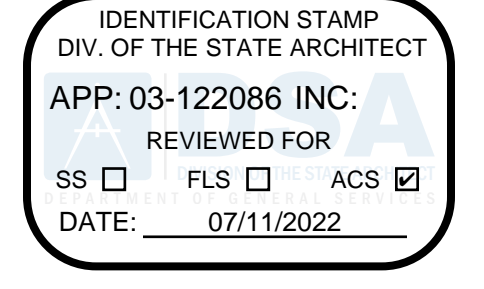


SHEET NOTES

1. FIELD VERIFY ALL DIMENSIONS, PRIOR TO INSTALLATION OF NEW WORK.
2. PREPARE EXISTING SITE AREA AS NECESSARY TO INSTALL NEW WORK ON SITE
3. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS
4. FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
5. FOR FOUNDATION AND SITE GRADING, S.C.D. FOR ADDITIONAL INFORMATION
6. RELOCATE & SALVAGE EACH BUILT AND NATURE ELEMENTS AS NEEDED TO ACCOMMODATE GREENHOUSE, RETURN TO DISTRICT .
7. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

SITE LEGEND

- EXISTING BUILDING
- ADJACENT RESIDENCE
- (E) CLF GATE
- EXISTING TREE
- DEMOLISH TREE
- DEMOLISHED AREA
- PROPERTY LINE
- (E) CHAIN LINK FENCE
- (E) WOOD FENCE
- (E) EXISTING
- (N) NEW



610 E. Franklin Ave
El Segundo, CA 90245
T: 415.689.9800
www.csdaesigngroup.com

ARCHITECT STAMP

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
ARROYO HIGH SCHOOL - NEW GREENHOUSE



4921 CEDAR AVENUE
EL MONTE, CA 91731

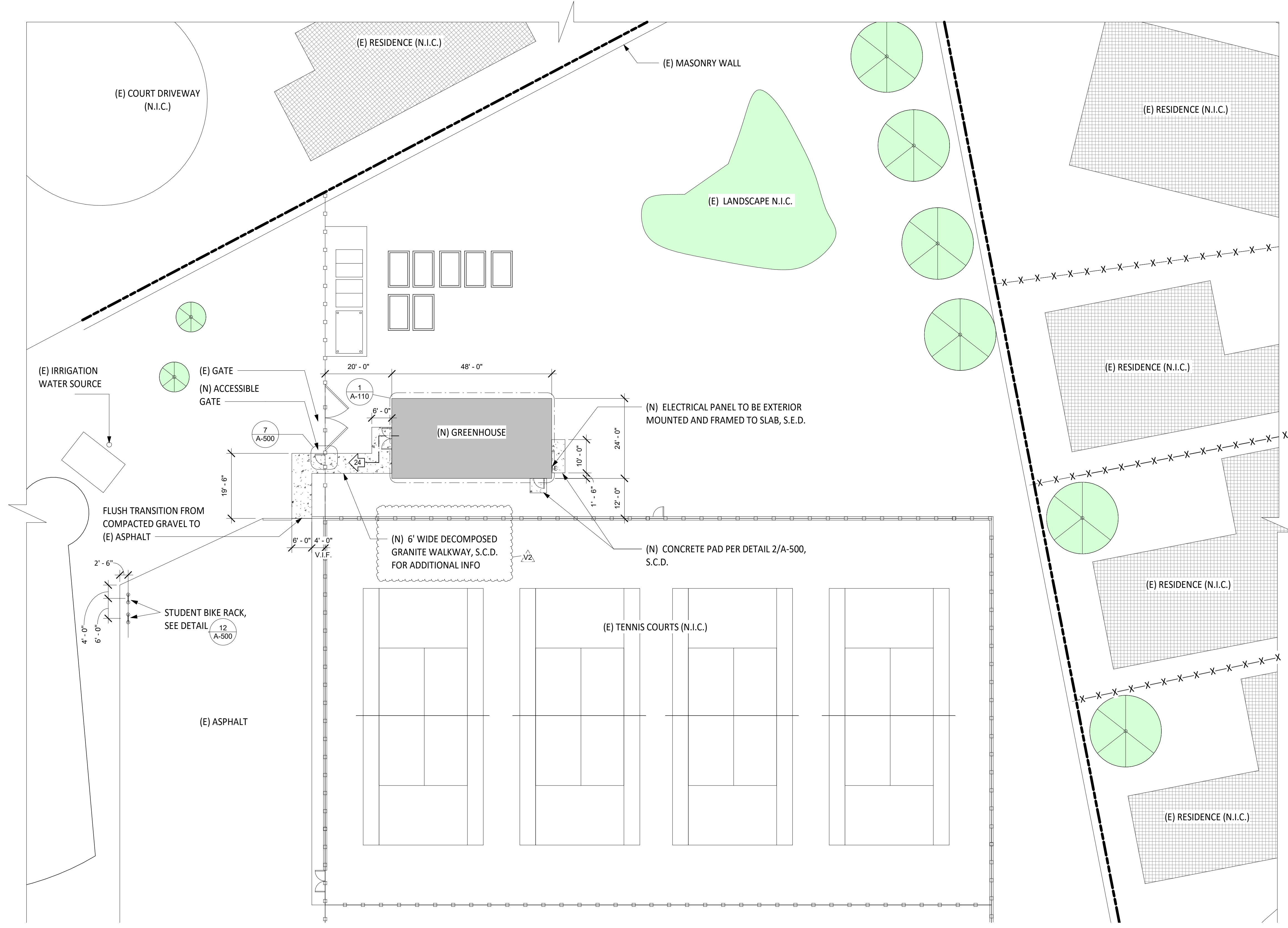
MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

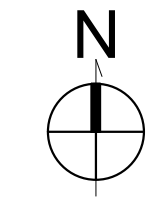
SHEET TITLE:
ENLARGED SITE PLAN - DEMO

SHEET NO.:
A-001

6/28/2022 2:23:14 PM



ENLARGED SITE PLAN
SCALE: 1/16" = 1'-0" **1**



SHEET NOTES

1. FIELD VERIFY ALL DIMENSIONS, PRIOR TO INSTALLATION OF NEW WORK.
2. PREPARE EXISTING SITE AREA AS NECESSARY TO INSTALL NEW WORK ON SITE
3. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS
4. FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
5. FOR FOUNDATION AND SITE GRADING, S.C.D. FOR ADDITIONAL INFORMATION
6. RELOCATE & SALVAGE EACH BUILT AND NATURE ELEMENTS AS NEEDED TO ACCOMMODATE GREENHOUSE, RETURN TO DISTRICT .
7. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

SITE LEGEND

	EXISTING BUILDING		PROPERTY LINE
	NEW GREENHOUSE		(E) CHAIN LINK FENCE
	EMERGENCY VEHICLE ACCESS ROAD		(E) WOOD FENCE
	DECOMPOSED GRANITE WALKWAY, U.O.N., S.C.D.		(E) CHAIN LINK GATE
	ADJACENT RESIDENCE		EXISTING TREE
	ADJACENT RESIDENCE		(E) EXISTING
	(N) NEW		(E) ELECTRICAL PANEL

REFERENCE IMAGES



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122086 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/11/2022

CSDA DESIGN GROUP

LISTEN COLLABORATE CREATE

610 E. Franklin Ave
El Segundo, CA 90245
T: 415.689.9800
www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
ARROYO HIGH SCHOOL - NEW GREENHOUSE



4921 CEDAR AVENUE
EL MONTE, CA 91731

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

SHEET TITLE:
ENLARGED SITE PLAN

SHEET NO.:
A-101

11B-303.3 Beveled.

Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (12.7 mm) high maximum shall be beveled with a slope not steeper than 1:2.

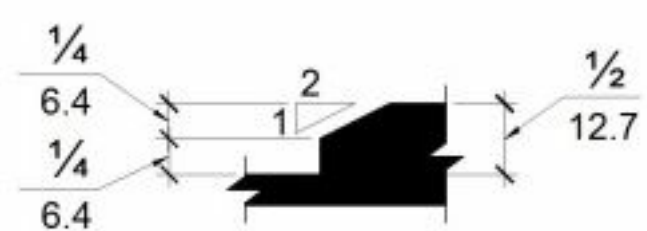
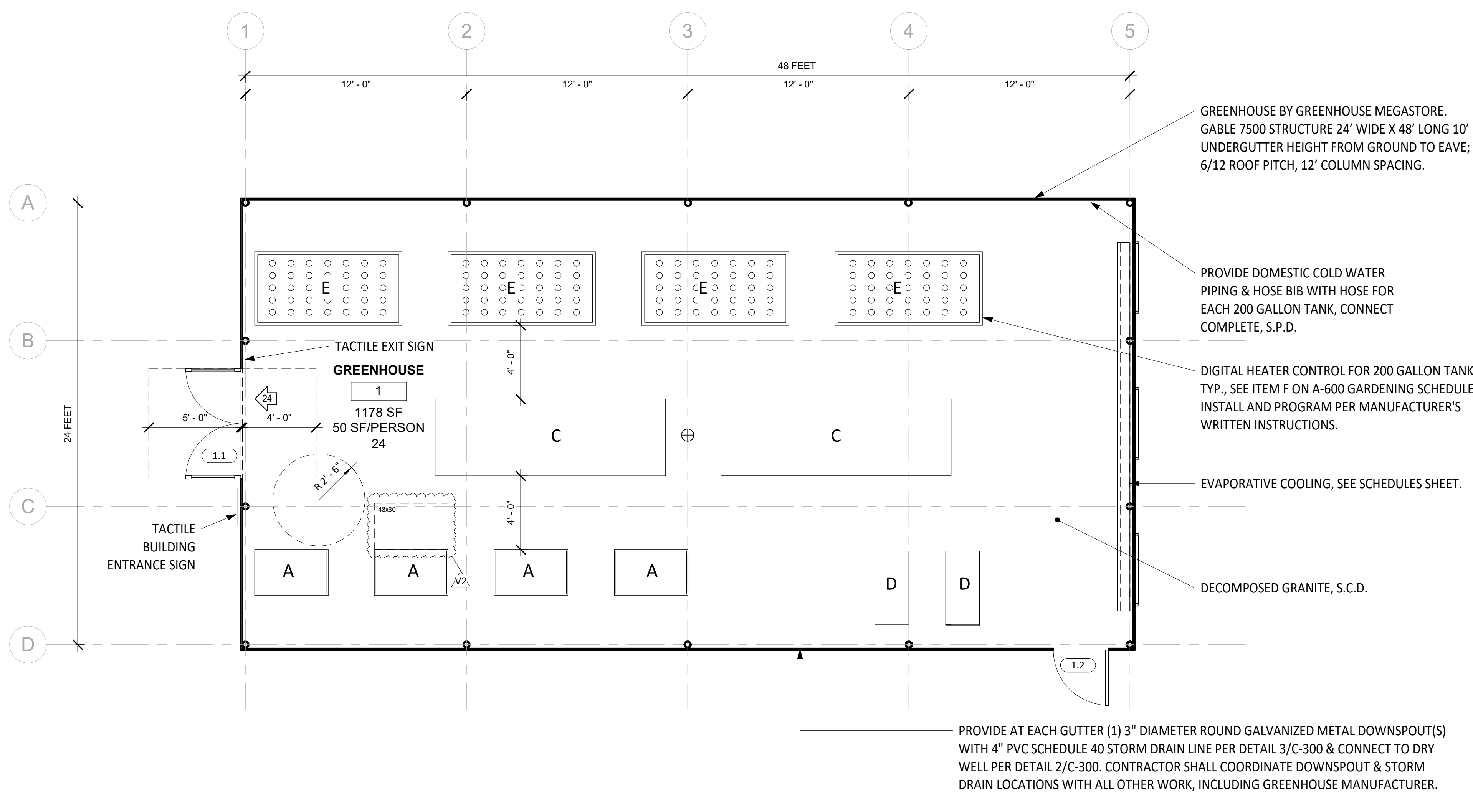


FIGURE 11B-303.3 BEVELED CHANGE IN LEVEL

TYPICAL THRESHOLD ②
SCALE: 12" = 1'-0"



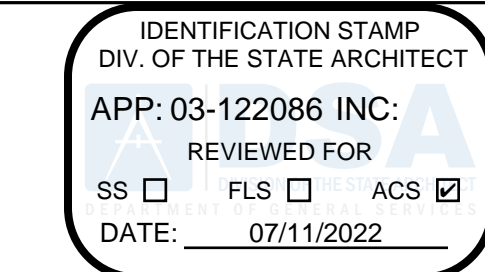
GREENHOUSE FLOOR PLAN ①
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO WORK.
2. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS, U.O.N.
3. SEE ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
5. RELOCATE & SALVAGE EACH BUILT AND NATURE ELEMENTS AS NEEDED TO ACCOMMODATE GREENHOUSE, RETURN TO DISTRICT.
6. SEE SHEET A-600 FOR ADDITIONAL INFORMATION.
7. G.C. TO HIRE ADDITIONAL CONSULTANT AQUAPONIC SOURCE OR APPROVED EQUAL CONSULTANT TO HELP WITH AQUAPONIC EQUIPMENT SOURCING AND INSTALLATION.
8. SEE CIVIL DRAWINGS FOR MORE INFORMATION.

FLOOR PLAN LEGEND

- DOOR TAG, SEE SCHEDULES SHEET
- CATCH BASIN, SEE CIVIL DRAWINGS
- DOOR, SEE SCHEDULES SHEET
- POLYCARBONATE GREENHOUSE, SEE SCHEDULES SHEET
- ADA CLEARANCE
- OCCUPANT LOAD



610 E. Franklin Ave
El Segundo, CA 90245
T: 415.689.9800
www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
ARROYO HIGH SCHOOL - NEW GREENHOUSE



4921 CEDAR AVENUE
EL MONTE, CA 91731

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

SHEET TITLE:
GREENHOUSE FLOOR PLAN

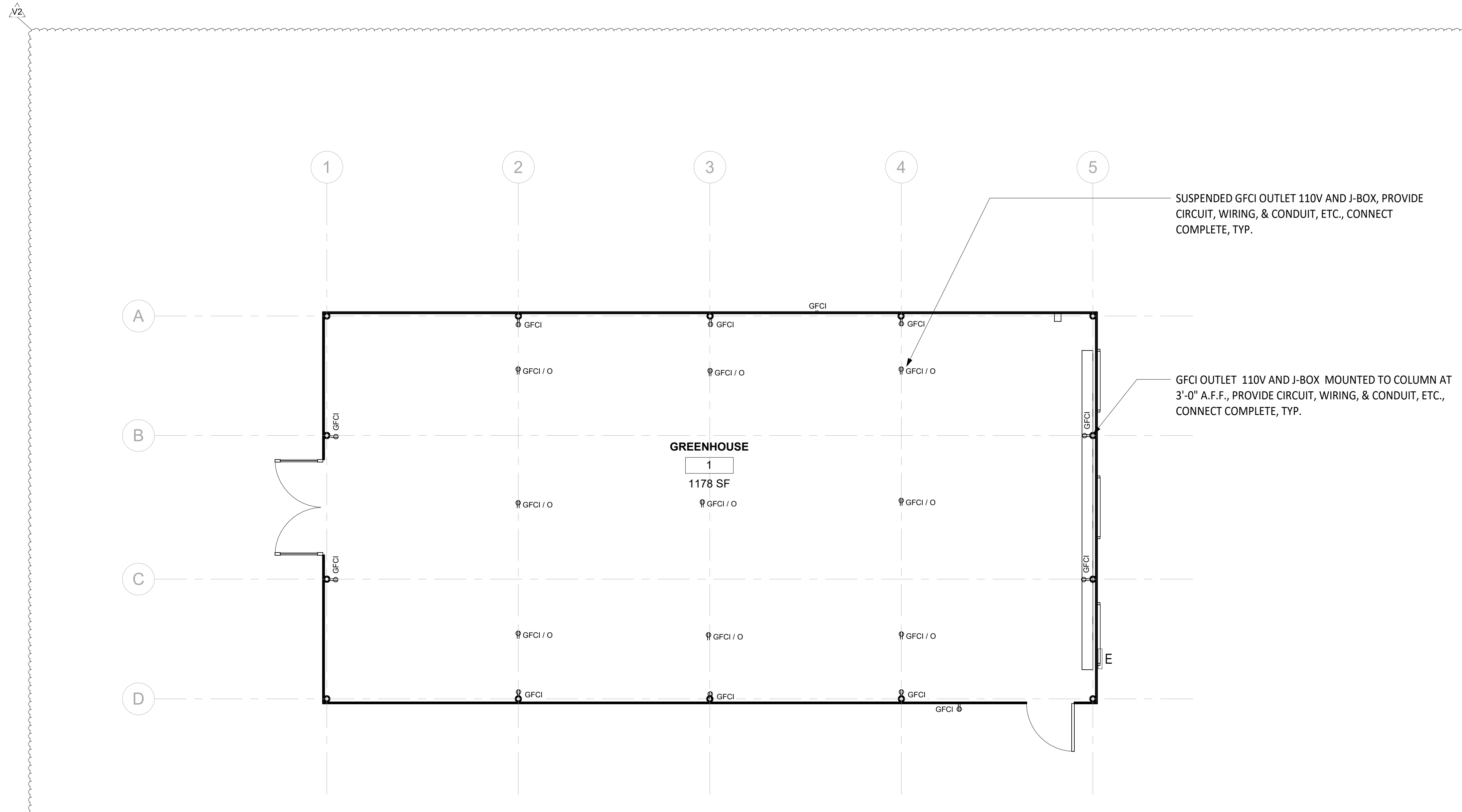
SHEET NO.:
A-110

SHEET NOTES

- LAYOUT IS SCHEMATIC ONLY CONTRACTOR SHALL SIZE ALL NECESSARY EQUIPMENT.
- CONTRACTOR SHALL VERIFY SIZE OF ELECTRICAL PANELS AND/OR SERVICE AND SHALL NOTIFY THE ARCHITECT IF ADDITIONAL ELECTRICAL EQUIPMENTS REQUIRED. V.I.F. PRIOR TO BID.
- PROVIDE SMOKE & CARBON MONOXIDE DETECTORS WITH BATTERY BACK-UP, INCLUDING WIRING, CONDUIT, & CONNECT COMPLETE.
- ALL STANDARD ELECTRICAL OUTLETS TO BE 12" FROM THE FLOOR U.N.O.
- LUMINARIES SHALL BE SWITCHED WITH READILY ACCESSIBLE DIMMING CONTROLS (44" MAX. TO TOP OF OUTLET BOX, ABOVE FINISH FLOOR) & VACANCY SENSORS THAT PERMIT THE LUMINARIES TO BE MANUALLY SWITCHED ON AND OFF.
- LIGHTING CONTROLS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS. U.O.N.
- NO CONTROLS SHALL BYPASS A DIMMER OR VACANCY SENSOR FUNCTION WHERE THAT DIMMER OR VACANCY SENSOR HAS BEEN INSTALLED TO COMPLY WITH CALIFORNIA ENERGY CODE SECTION 150.0(K).
- LIGHTING CONTROLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CALIFORNIA ENERGY CODE SECTION 110.9.
- SEE SHEET A-100 FOR ADDITIONAL INFORMATION.
- PROVIDE ALL NECESSARY MECHANICAL, ELECTRICAL, & PLUMBING CONNECTIONS TO EQUIPMENT, ACCESSORIES, DEVICES, ETC., FOR COMPLETE INSTALLATION, PROGRAMMING, & FUNCTION, ETC., OF ALL EQUIPMENT, INCLUDING: LIGHTING, HEATING, COOLING, IRRIGATION, MOTORS, FANS, CONTROLLERS, SENSORS, SHADE SYSTEM, ETC.
- PROVIDE CIRCUITS, WIRING, RIGID METAL CONDUITS, BOXES, ETC., GALVANIZED & SPECIFIED FOR EXTERIOR WET AREAS & FOR COMPLETE CONNECTION OF ALL EQUIPMENT, ACCESSORIES, DEVICES, SWITCHES, OUTLETS, ETC., TYP.
- SWITCHING AND DIMMING CONTROLS SHALL BE 44" MAX. FROM FINISH GROUND, TYP.

LEGEND

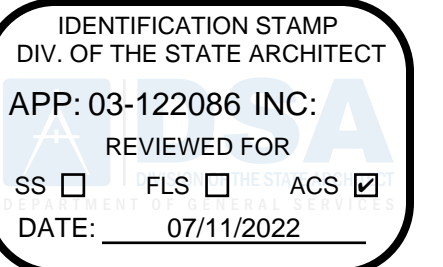
- GFCI OUTLET, DUPLEX W/ JBOX AS NEEDED AT 3'-0"
- GROUND FAULT WITH AFCI OVERHEAD OUTLET WITH PENDANT DROP OUTLET BOX AS NEEDED
- ELECTRICAL PANEL, S.E.D.



GREENHOUSE POWER PLAN

SCALE: 1/4" = 1'-0"

1



610 E. Franklin Ave
El Segundo, CA 90245
T: 415.689.9800
www.csdaesigngroup.com

ARCHITECT STAMP

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
ARROYO HIGH SCHOOL - NEW GREENHOUSE



4921 CEDAR AVENUE
EL MONTE, CA 91731

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

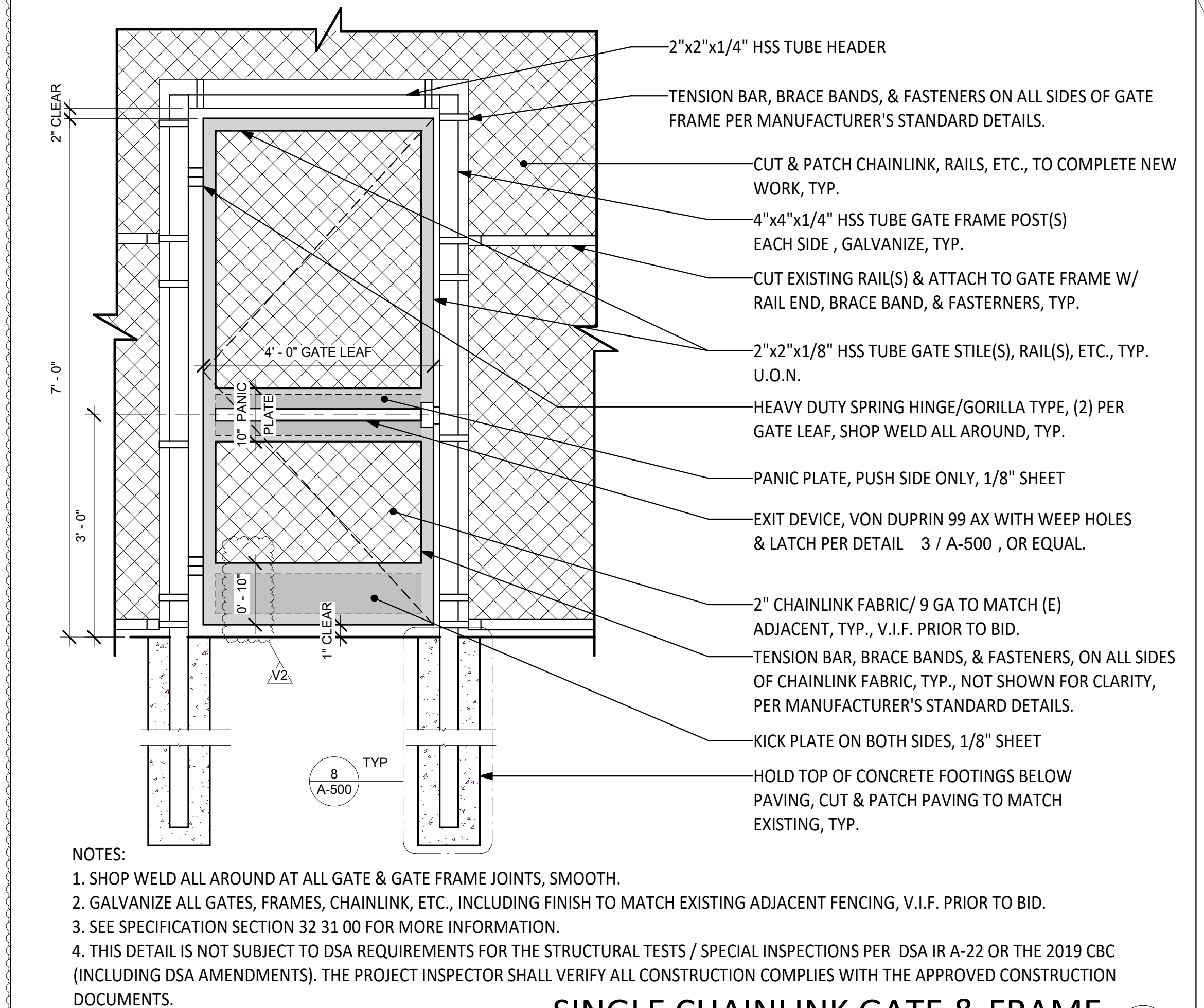
PROJECT NO.: **21075-01**
01/07/2022

SHEET TITLE:
GREENHOUSE POWER PLAN

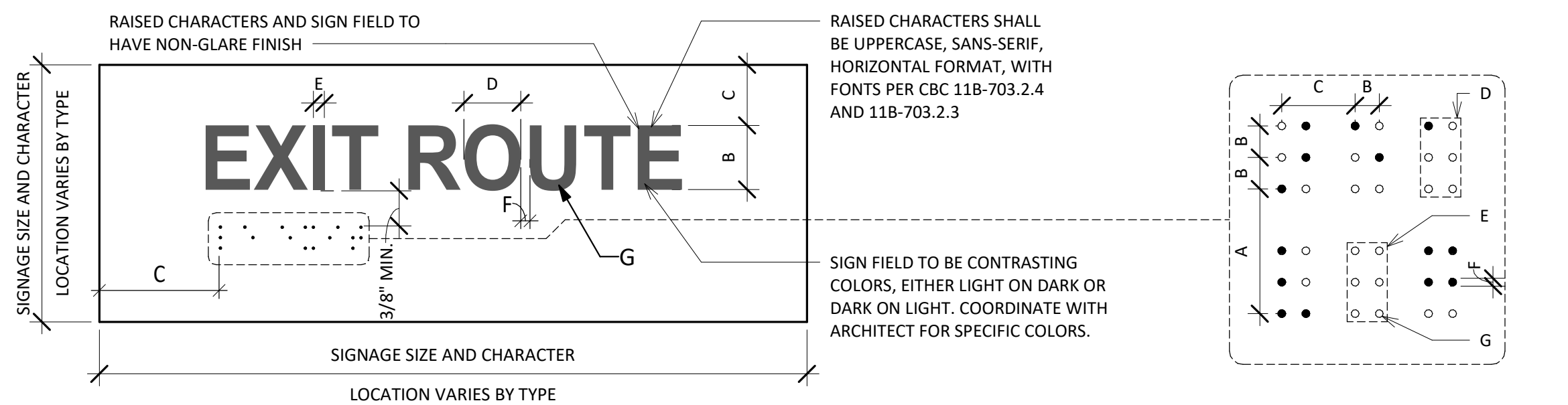
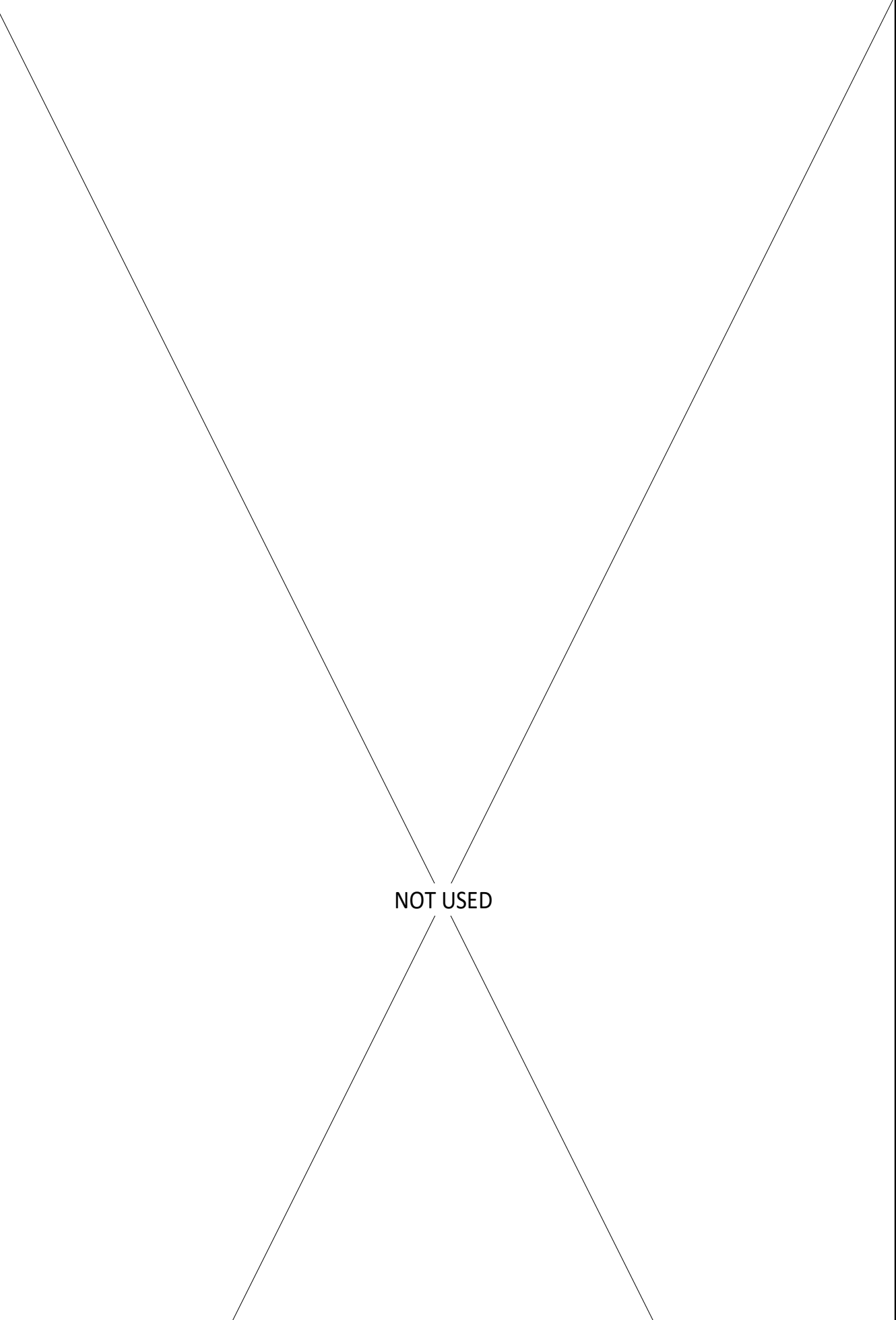
SHEET NO.:
A-111



MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL



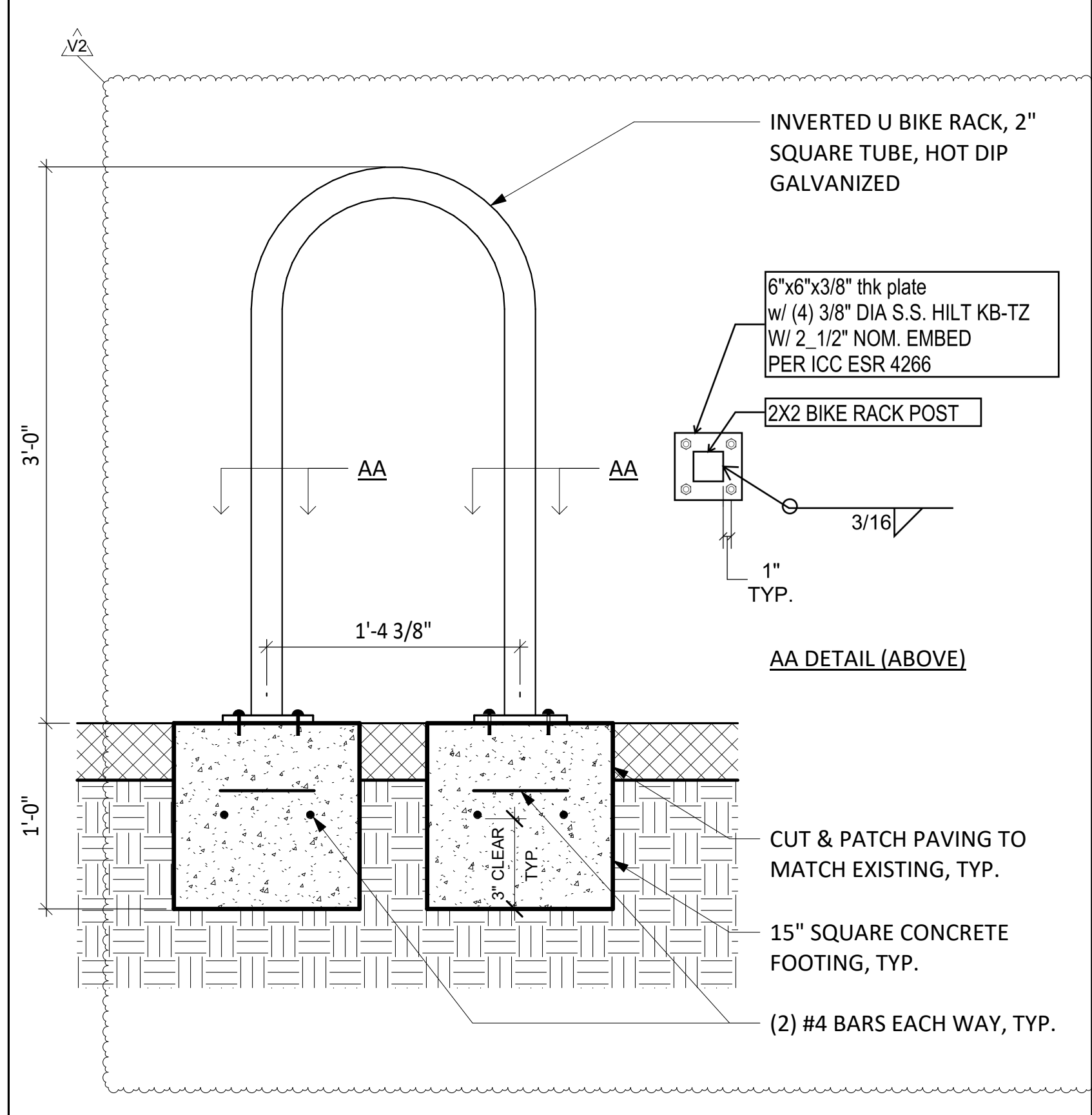
SINGLE CHAINLINK GATE & FRAME
 SCALE: 3/4" = 1'-0"



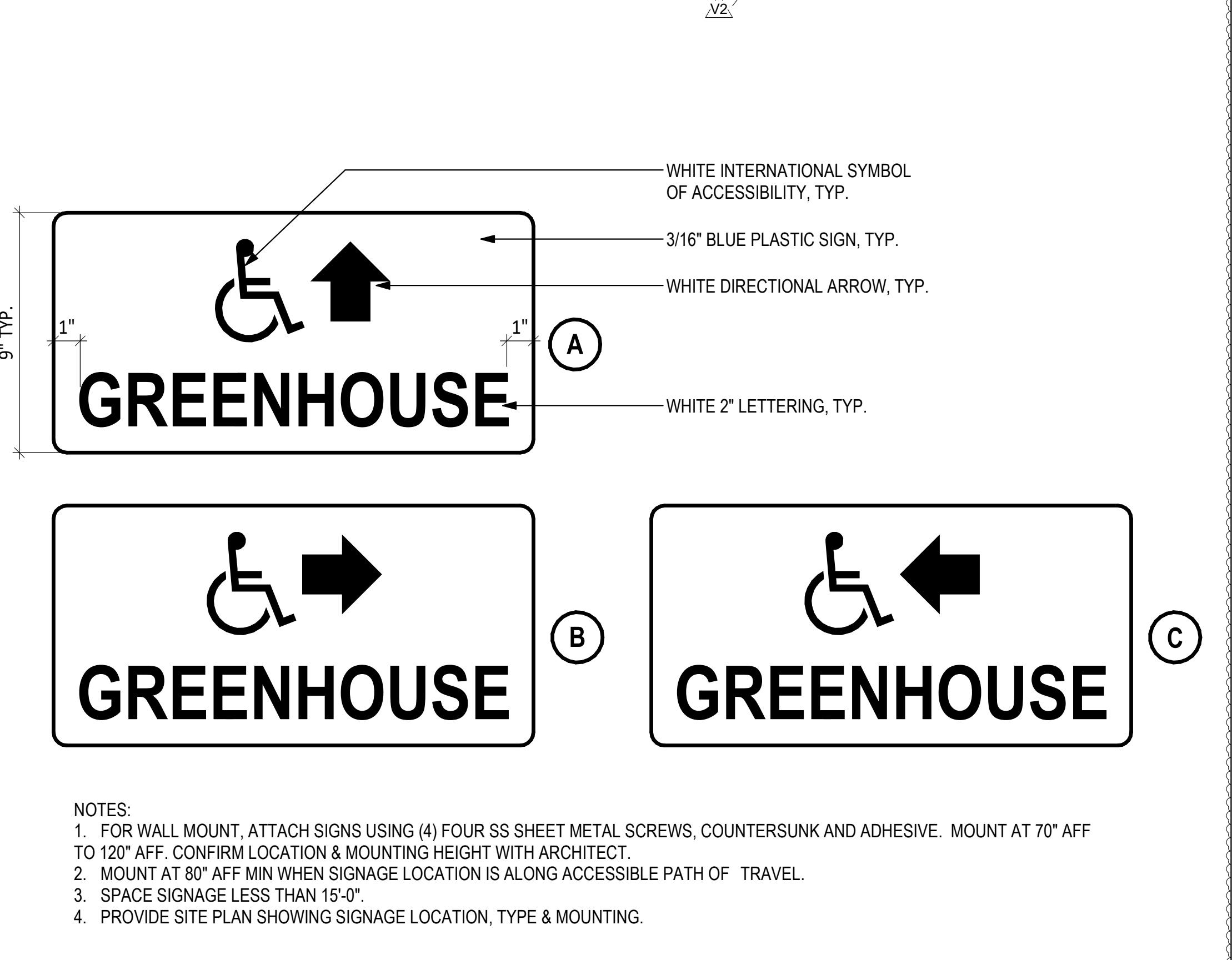
- RAISED CHARACTER REQUIREMENTS AND LEGEND:** COMPLY WITH CBC 11B-703.2, BUT NOT LIMITED TO:
- A. CHARACTERS SHALL BE RAISED 1/32" MINIMUM ABOVE THEIR BACKGROUND. CHARACTER HEIGHT SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH BASED ON THE UPPERCASE "I".
 - B. CHARACTERS SHALL BE SEPARATED FROM ANY RAISED BORDER OR DECORATIVE ELEMENT BY 3/8".
 - C. CHARACTER FONT PROPORTION WITH THE UPPERCASE "O" WIDTH BEING 60 PERCENT MINIMUM TO 110 PERCENT MAXIMUM THE HEIGHT OF THE UPPERCASE "I".
 - D. CHARACTER STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15 PERCENT MAXIMUM THE HEIGHT OF CHARACTER.
 - E. CHARACTERS THAT ARE RECTANGULAR IN CROSS SECTION SHALL BE A 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM.
 - F. RAISED CHARACTERS SHALL HAVE EASED EDGES.
 - G. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.
- BRAILLE REQUIREMENTS AND LEGEND:**
- A. DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW: 0.395 TO 0.400
 - B. DISTANCE BETWEEN TWO DOTS IN THE SAME CELL: 0.100
 - C. DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS: 0.300
 - D. SINGLE BRAILLE CELL
 - E. BLANK CELL SPACE BETWEEN WORDS
 - F. BASE DIAMETER: 0.059 TO 0.063
 - G. DOMED OR ROUNDED SHAPE, HEIGHT: 0.025 TO 0.037

ACCESSIBLE TACTILE SIGN REQUIREMENTS
 SCALE: 3" = 1'-0"

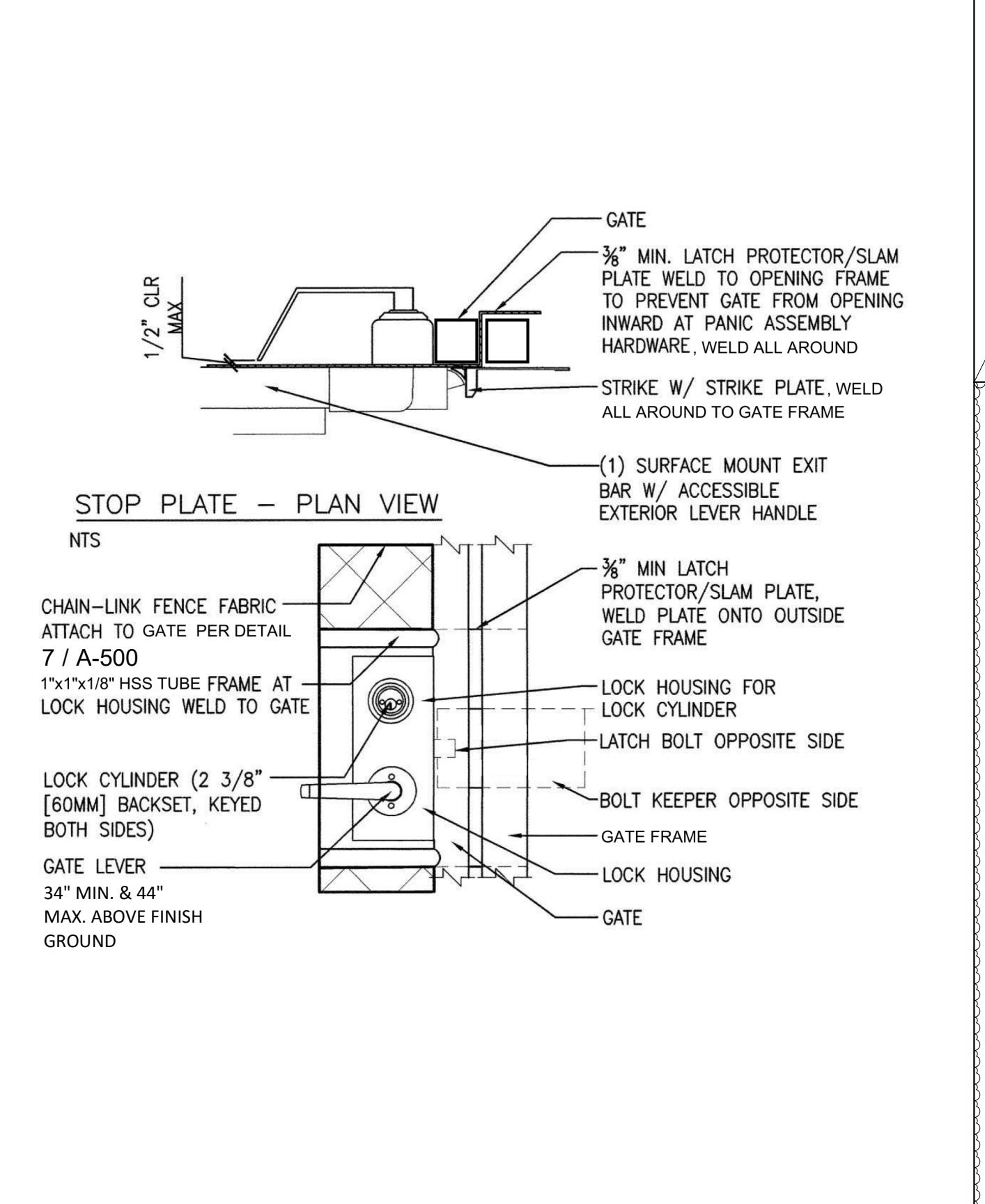
- NOTES:**
- SHOP WELD ALL AROUND AT ALL GATE & GATE FRAME JOINTS, SMOOTH.
 - GALVANIZE ALL GATES, FRAMES, CHAINLINK, ETC., INCLUDING FINISH TO MATCH EXISTING ADJACENT FENCING, V.I.F. PRIOR TO BID.
 - SEE SPECIFICATION SECTION 32.31.00 FOR MORE INFORMATION.
 - THIS DETAIL IS NOT SUBJECT TO DSA REQUIREMENTS FOR THE STRUCTURAL TESTS / SPECIAL INSPECTIONS PER DSA IR A-22 OR THE 2019 CBC (INCLUDING DSA AMENDMENTS). THE PROJECT INSPECTOR SHALL VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS.



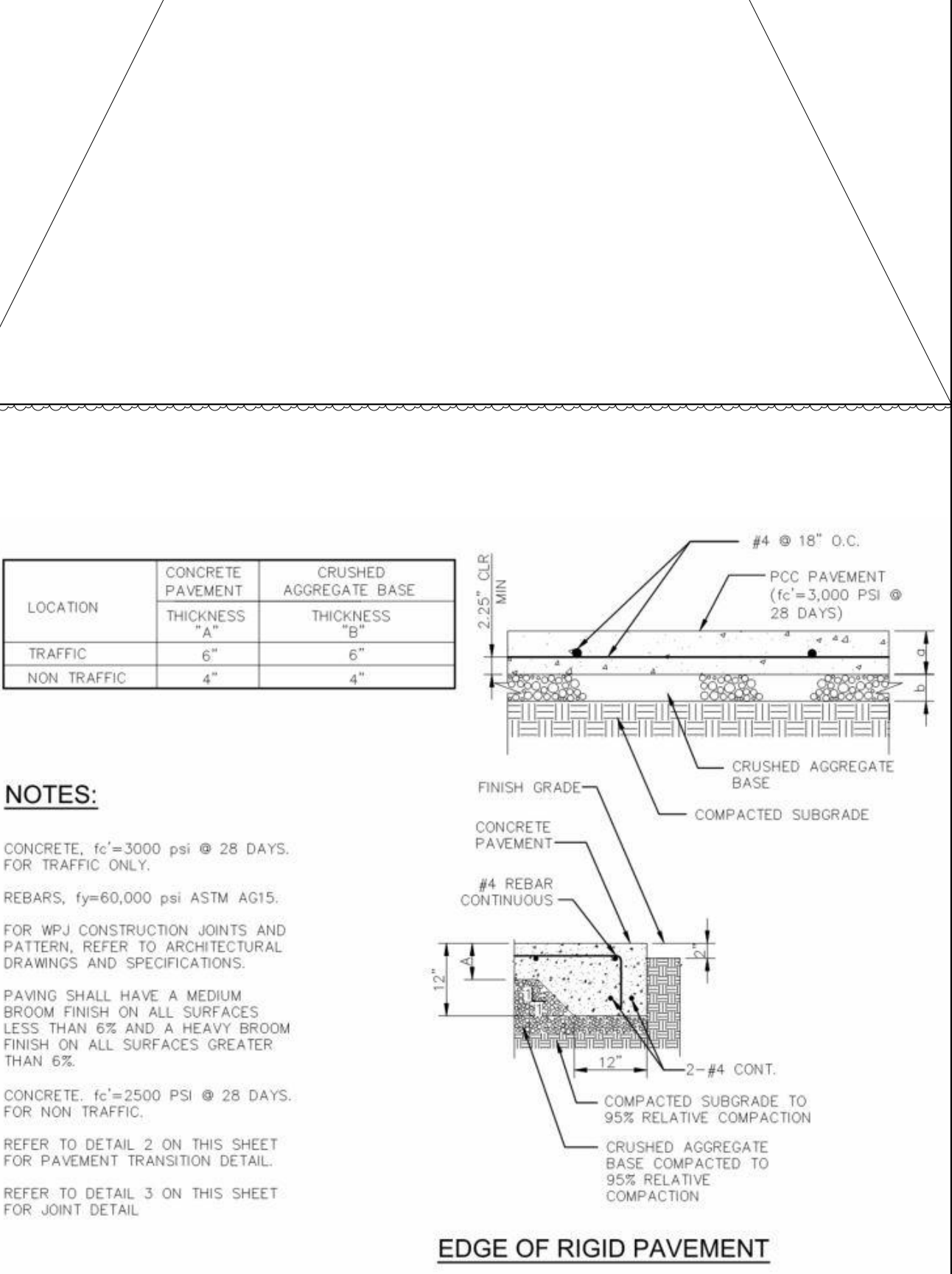
STUDENT BIKE RACK
 SCALE: 1 1/2" = 1'-0"



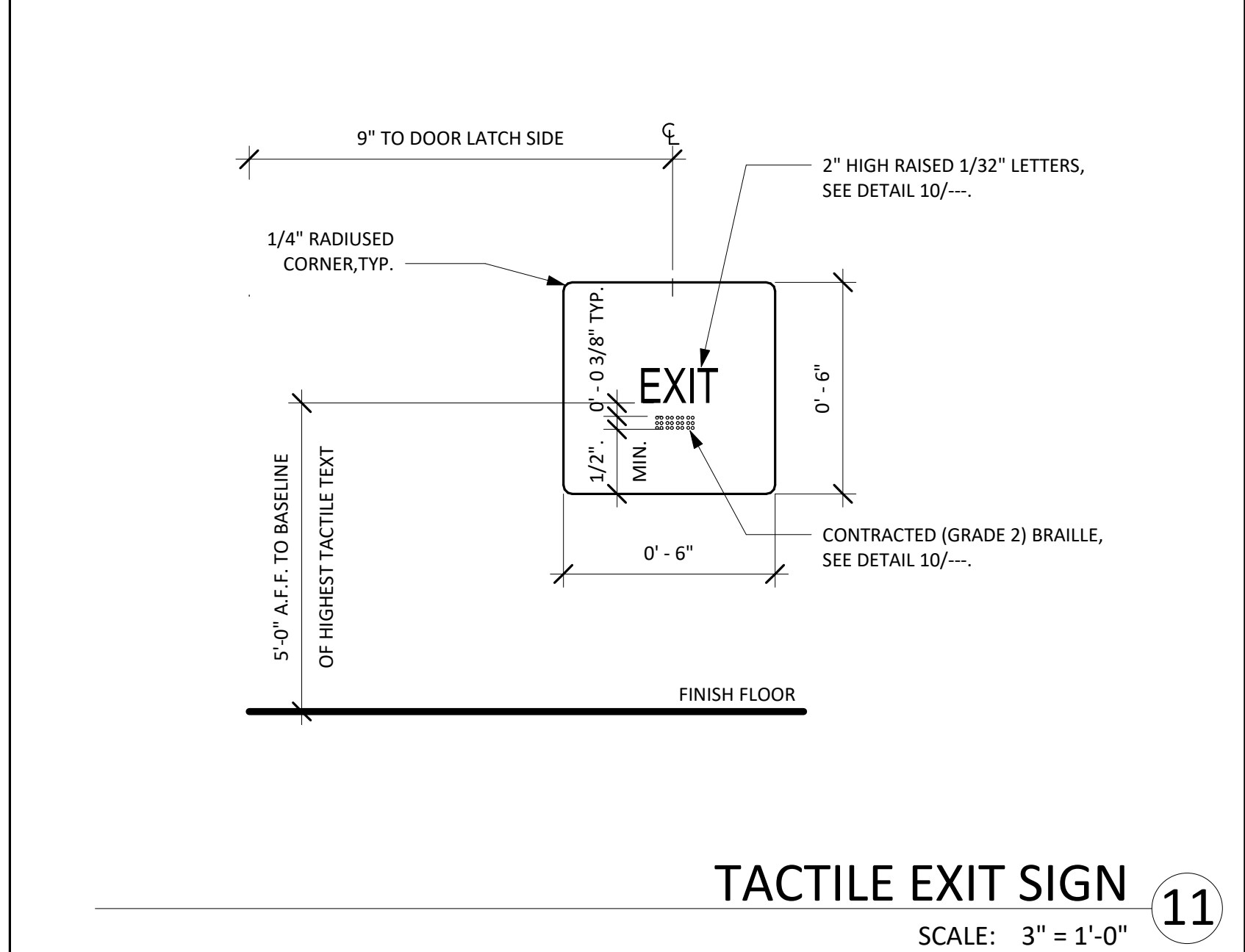
DIRECTIONAL SIGNAGE
 SCALE: 3" = 1'-0"



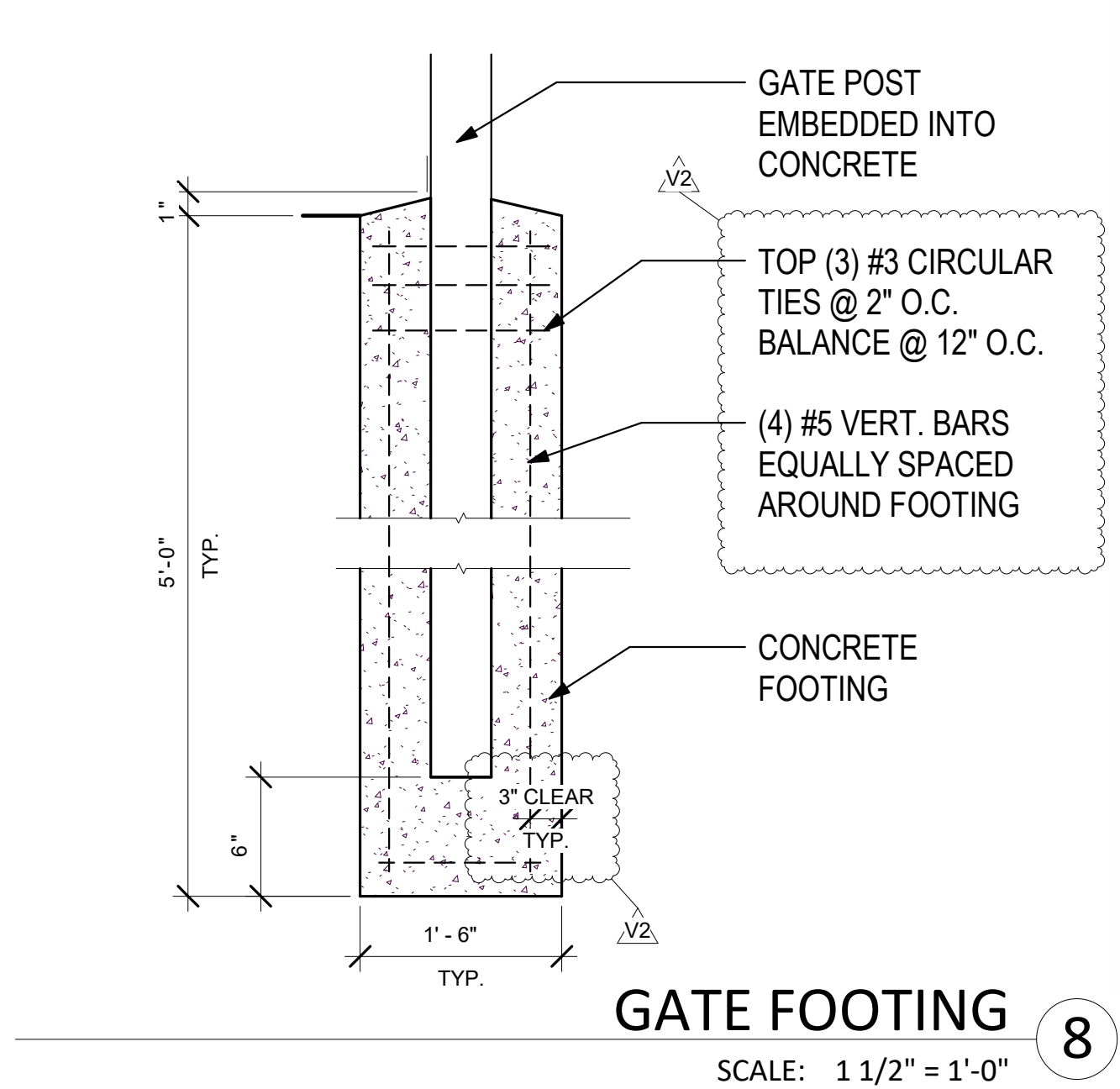
ACCESSIBLE GATE LATCH
 SCALE: 12" = 1'-0"



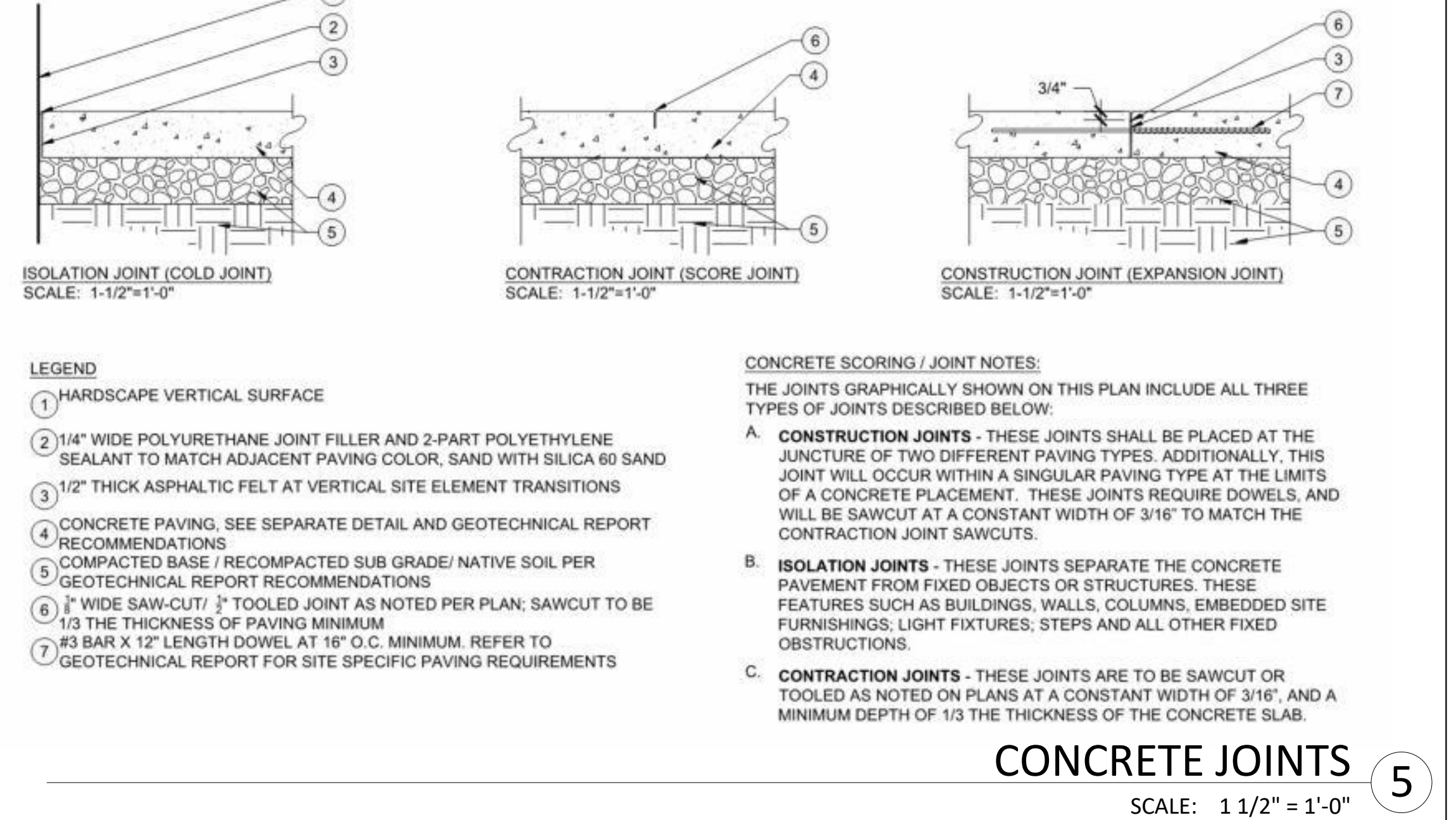
CONCRETE PAVEMENT
 SCALE: 3" = 1'-0"



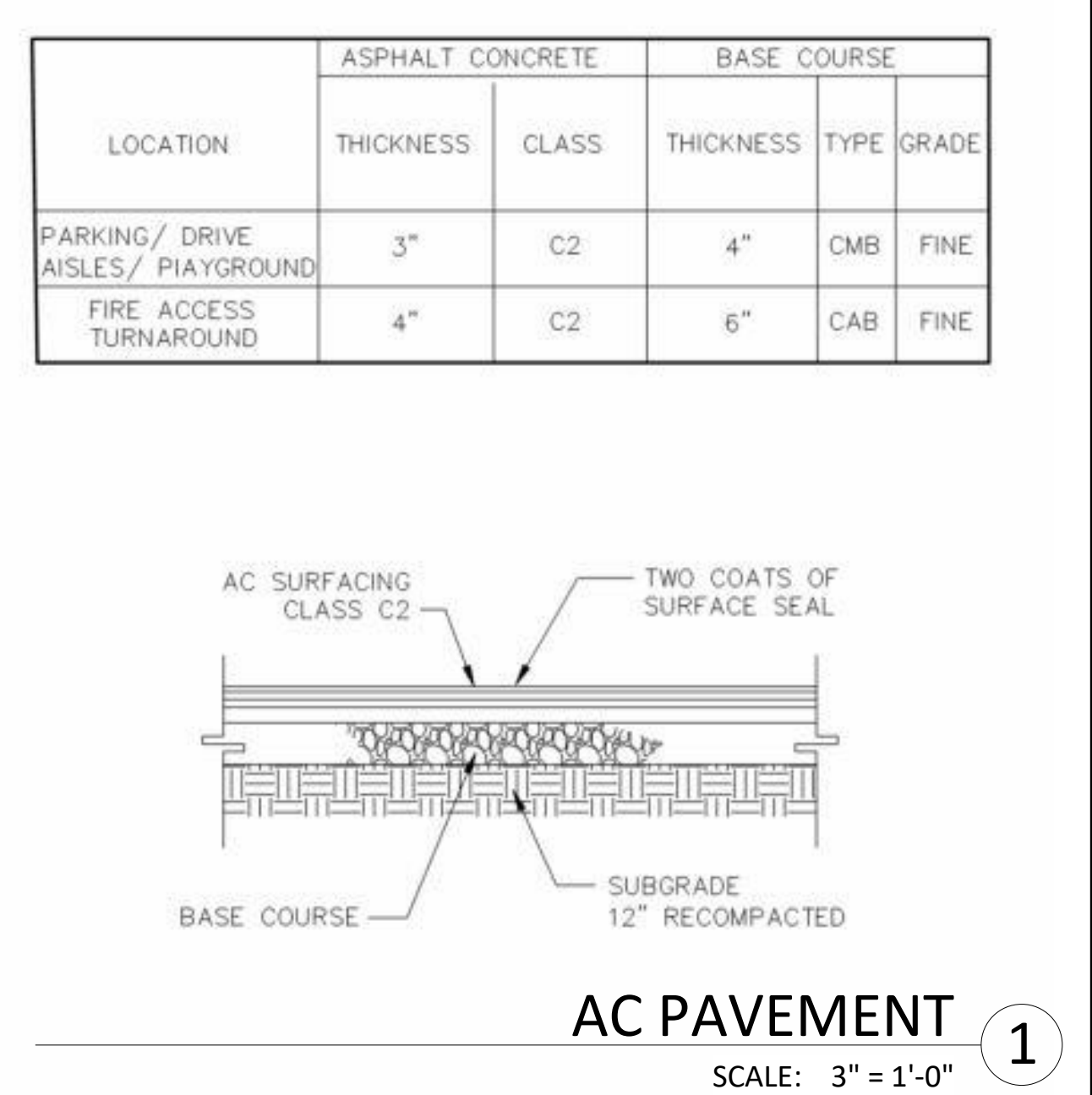
TACTILE EXIT SIGN
 SCALE: 3" = 1'-0"



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



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



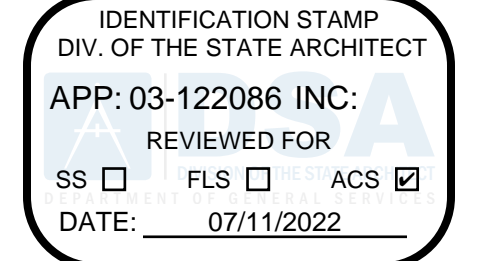
AC PAVEMENT
 SCALE: 3" = 1'-0"

DOOR AND FRAME SCHEDULE (VERIFY PRIOR TO BID)													
MARK	ROOM NAME	WIDTH	HEIGHT	DOOR				FRAME			FIRE RATING	HARDWARE GROUP	REMARKS
				MAT.	FIN.	MAT.	FIN.	HEAD	DETAIL				
									JAMB	THRESHOLD			
1.1	GREENHOUSE	6' - 0"	6' - 8"	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	2/A-110	NONE	PER MANUFACTURER	GREENHOUSE STRUCTURE MFR DOOR & HARDWARE W/ ACCESSIBLE LEVER LOCKSET & THRESHOLD
1.2	GREENHOUSE	3' - 0"	6' - 8"	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	2/A-110	NONE	PER MANUFACTURER	GREENHOUSE STRUCTURE MFR DOOR & HARDWARE W/ ACCESSIBLE LEVER LOCKSET & THRESHOLD

INTERIOR AQUAPONICS - EQUIPMENT				GARDENING EQUIPMENT (I.E. GROWING SYSTEMS)			
MARK	NAME	MANUFACTURER, OR APPROVED EQ. PRIOR TO BID	QUANTITY	MODEL NO., OR APPROVED EQUAL PRIOR TO BID	COMMENTS		
A	MESA MINICAMP GRANDE (HYDROPONICS TABLE)	GREENHOUSE MEGASTORE, ETC.	4	HP-NG-MM	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.		
B	NOT USED						
C	MICROGREEN RACK	GREENHOUSE MEGASTORE, ETC.	2	HP-CKMG	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.		
D	AQUILLA RED CEDAR POTTING BENCH	GREENHOUSE MEGASTORE, ETC.	2	BN-2000	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.		
E	AQUAPONICS SYSTEM WITH 200 GALLON TANK	GREENHOUSE MEGASTORE, ETC.	4	HP-CKAP	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.		
F	TRUE TEMP - DIGITAL HEATER CONTROL	AQUAPONIC USA, ETC.	4	T3-300	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.		

SHEET NOTES

- SEE SHEET G-001 FOR SHEET INDEX, ETC.
- SEE GREENHOUSE FLOOR PLAN SHEET.
- SEE GREENHOUSE POWER PLAN SHEET.
- SEE SKETCH GM1 BY GREENHOUSE MEGASTORE.
- PROVIDE GREENHOUSE, INCLUDING ALL EQUIPMENT, COMPONENTS, ACCESSORIES, DEVICES, ETC., BY GREENHOUSE MEGASTORE (U.O.N.) & THEIR ASSOCIATED MANUFACTURERS, OR SUBMIT AN EQUAL PRODUCT FOR REVIEW PRIOR TO BID, TYP. CONTRACTOR SHALL COORDINATE WITH THE GREENHOUSE MANUFACTURER ON ALL EQUIPMENT, ACCESSORIES, DEVICES, ETC., THAT REQUIRE MECHANICAL, ELECTRICAL, AND PLUMBING CONNECTIONS FOR COMPLETE INSTALLATION. ALL LABOR, MATERIAL, ETC., ASSOCIATED WITH THIS WORK IS PART OF THIS CONTRACT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- OMIT (12) BENCHES.
- PROVIDE THE FOLLOWING (TO BE SELECTED BY ARCHITECT) FROM THE GREENHOUSE MEGASTORE'S FULL CATALOG (AVAILABLE ONLINE) & THEIR ASSOCIATED MANUFACTURERS, INCLUDING ALL LABOR, MATERIAL, ETC., FOR COMPLETE INSTALLATION (OR SUBMIT AN EQUAL PRODUCT FOR REVIEW PRIOR TO BID), TYP.:
 - LED LIGHTING
 - SHADE SYSTEM
 - HEATING
 - EVAPORATIVE COOLING SYSTEM
 - CONTROLLERS
 - FANS
 - MOTORS
 - IRRIGATION
 - OPENINGS
 - ETC.
- ALL DOOR HARDWARE SHALL MEET REQUIREMENTS OF THE CALIFORNIA BUILDING CODE CHAPTER 11B. SEE GUIDE SPECIFICATION SECTION 08.71.00, FOR REFERENCE ONLY.
- PROVIDE TYP. THRESHOLD AT EACH DOOR, SEE GREENHOUSE FLOOR PLAN SHEET.
- PROVIDE CIRCUITS, WIRING, RIGID METAL CONDUITS, BOXES, ETC., GALVANIZED & SPECIFIED FOR EXTERIOR WET AREAS & FOR COMPLETE CONNECTION OF ALL EQUIPMENT, ACCESSORIES, DEVICES, SWITCHES, OUTLETS, ETC., TYP.



LISTEN COLLABORATE CREATE

610 E. Franklin Ave
El Segundo, CA 90245
T: 415.689.9800
www.csdesigngroup.com

ARCHITECT STAMP

CONSULTANT

CONSULTANT STAMP

ALTERNATE #2 GREENHOUSE BUILDING (PROVIDE ADDITIONAL EQUIPMENT NOT LISTED, SEE SHEET NOTES & GREENHOUSE MEGASTORE)**

Location	Output	QTY	Equipment Type	Contactors	Mfg.	Model	Volts	Phase	Amps	NOTES	EXAMPLE SEQUENCE OF OPERATIONS								
											H2	H1	AC	C1	C2	C3	C4	C5	C6
Zone#	1	1	Pad Pump	1	Conley's		115	1	7.00 A							X	X	X	
	2	1	Exhaust	1	Schaefer	305S12	115/230	1	4.6/2.3							X	X	X	
	3	1	Exhaust	1	Schaefer	305S12	115/230	1	4.6/2.3							X	X	X	
	4	4	HAF	1	Schaefer	12" HAF	115/230	1	1.3/0.65										
	5	1	End wall vent motor		Conley's	80nm	24v	1	1.0A	Link4 provide motor control									
	6	1	Heater	1	Modine	HER200	TBD	3	TBD	Customer to provide voltage 208/240/480		X							
	7	1	Shade system motor		Ridder	RW45	115v		2.5A	Link4 provide motor control								X	X
	8																		
	9																		
	10																		

GREENHOUSE MEGASTORE

- PROJECT DETAILS
 - SENIOR TEACHING PACKAGE GABLE SERIES GREENHOUSE
 - 1,152 SQUARE FEET GROWING SPACE
- BUILDING DESCRIPTION
 - GREENHOUSE STAND ALONE
 - GABLE 7500 STRUCTURE 24' WIDE X 48' LONG 10' UNDERGUTTER HEIGHT FROM GROUND TO EAVE; 6/12 ROOF PITCH, 12' COLUMN SPACING.
 - POST-IN-PIER COLUMN INSTALLATION
 - SIDEWALLS AND GABLE END FRAMING AND GABLE FLASHING.
 - ALUMINUM EXTRUSIONS AND FASTENERS FOR 8MM TWIN WALL POLYCARBONATE FOR GABLE ENDS AND SIDE WALLS.
 - ALUMINUM EXTRUSIONS AND FASTENERS FOR 8MM TWIN WALL POLYCARBONATE ROOF
 - (1) CONTINUOUS END WALL VENT BEHIND EVAPORATIVE COOLING WALL
 - FRAMING FOR TWO (2) EXHAUST FANS, ONE (1) SINGLE SWING DOORS, ONE (1) DOUBLE SWING DOOR.
 - HEATER HANGER KIT
 - GUTTER END CAP AND TWO (2) GUTTER END CAPS W/ DOWNSPOUT TRANSITIONS.
- DESIGN LOADS/ENGINEERING
 - GREENHOUSE STRUCTURE LOAD RATINGS REQUIRED FOR ENGINEERING. ENGINEERED CALCULATIONS AND DRAWING WITH CA STATE ENGINEERS STAMP.
- COVERING
 - SUFFICIENT 8MM CLEAR TWIN WALL POLYCARBONATE STRUCTURED SHEETS TO COVER GABLE END WALLS, SIDE WALLS, AND ROOF OF GREENHOUSE AREA
- HEATING
 - MODINE HER 200 ELECTRIC HEATER, POWER OPTIONS BELOW.
 - 208V 3 PHASE / 56.8 AMPS
 - 240V 3 PHASE / 49.4 AMPS
 - 480V 3 PHASE / 25.3 AMPS
- AIR CIRCULATION
 - (4) HORIZONTAL AIR FLOW (HAF) FANS 12"
- COOLING
 - (2) 30" EXHAUST FANS WITH SLOP WALL HOUSING
 - (1) 36" TALL X 6" THICK X 24" WIDE EVAPORATIVE COOLING WALL COMPLETE WITH PUMP AND RESERVOIR
 - (1) CONTINUOUS END WALL VENT WITH EXTERNAL RACK & PINION AND MOTOR
- DOORS
 - (1) PLYCO 3' WIDE SINGLE SWING DOOR WITH ADA SILL & LOCKSET
 - (1) PLYCO 6' WIDE DOUBLE STEEL DOOR WITH ADA SILL & LOCKSET
- CONTROLS
 - (1) LINK4 FULLY PROGRAMMABLE CONTROLLER WITH INTEGRATED CONTACTOR CABINET, TEMP/HUMIDITY SENSORS AND DRAWINGS. ACCESSED FROM THE CLOUD.
- INTERIOR AUTO SHADE SYSTEM
 - SLOPE/FLAT/SLOPE INTERIOR AUTOMATED SHADE SYSTEM WITH MOTOR. CONTROLLED BY GREENHOUSE CONTROLLER
- LIGHTING
 - (6) 8' LONG - 6 BULB LED LIGHTS FOR GENERAL LIGHTING
- IRRIGATION
 - FILTER, WATER PRESSURE REGULATOR, SOLENOIDS, MULTI STAGE CONTROLLER, TUBING, FITTINGS FOR OVERHEAD MISTING DELIVERY. INCLUDES LINK4 IRRIGATION CONTROLLER WITH 8 CHANNELS. ACCESSED FROM THE CLOUD.
- SEE SKETCH GM1 FOR MORE INFORMATION.

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
ARROYO HIGH SCHOOL - NEW GREENHOUSE



4921 CEDAR AVENUE
EL MONTE, CA 91731

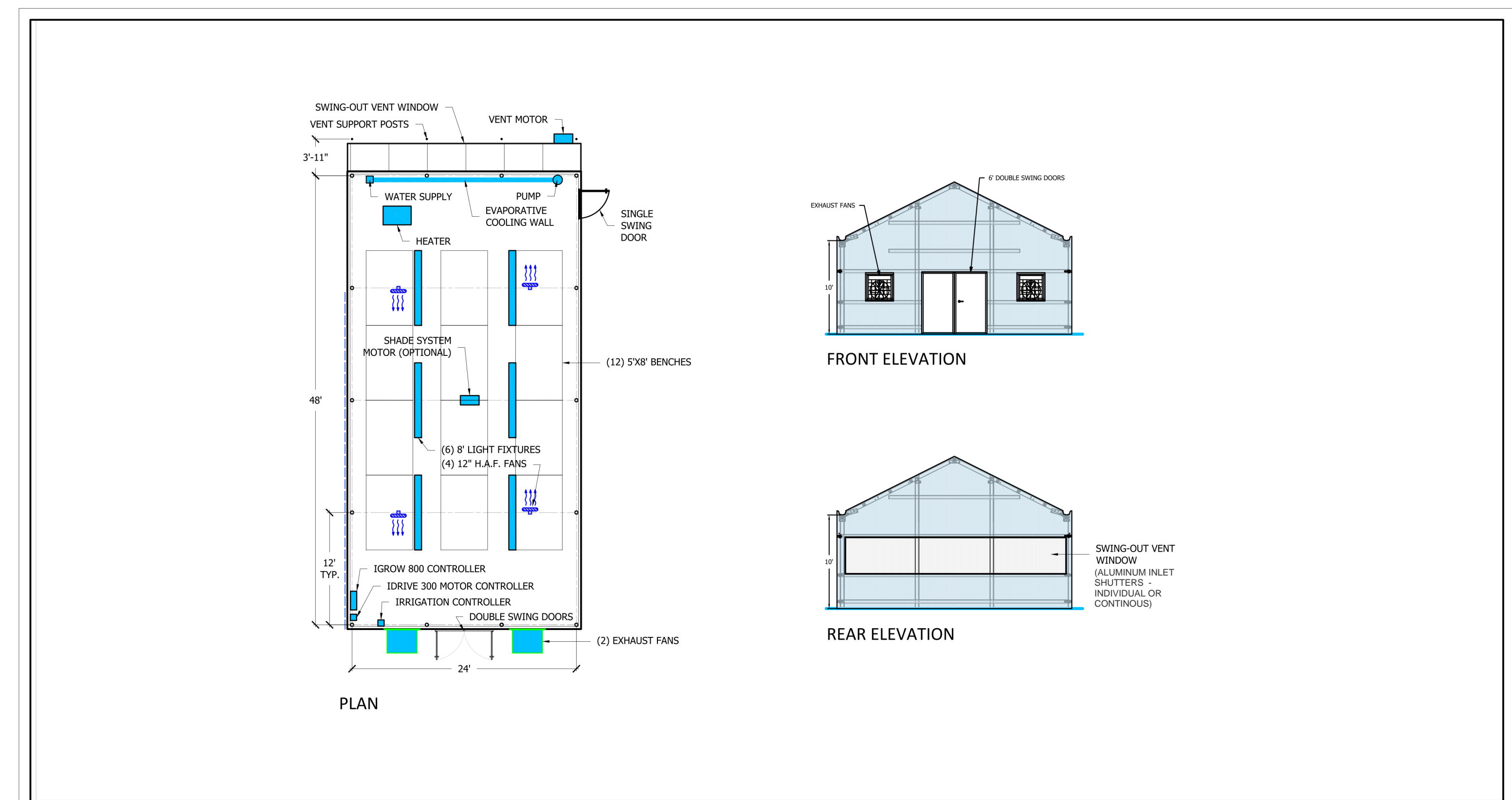
MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

SHEET TITLE:
SCHEDULES

SHEET NO.:
A-600



DRAWING TITLE: GREENHOUSE FOUNDATION PLAN & DETAIL
JOB NAME: EL MONTE SCHOOL DISTRICT

Greenhouse Megastore
a division of International Greenhouse Company

JOB: - SHEET: GM1
DATE: 6-14-22
REV: -
-

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT MODIFIED DETAIL FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONSTRUCTION.
2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS A PART OF THE CONTRACT DOCUMENTS, WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS SHALL GOVERN OVER TYPICAL DETAILS WHICH SHALL GOVERN OVER THESE NOTES WHICH SHALL GOVERN OVER SPECIFICATIONS.
3. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DIMENSIONS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT (ARCH) OR STRUCTURAL ENGINEER OF RECORD (SEOR). ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONS ARE TO THE FACE OF STUDS, AND TO CENTERLINE OF COLUMNS UNO.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE SEOR OF ANY CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND OTHER DRAWINGS, OR EXISTING CONDITIONS NOT SHOWN OR DIFFERENT FROM THOSE SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
5. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE CONSTRUCTION AND ALL ADJACENT PROPERTIES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING OR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR SEOR SHALL NOT INCLUDE OBSERVATION OF THE ABOVE ITEMS.
6. SUBSTITUTION REQUESTS FOR MATERIALS SPECIFIED ON THE STRUCTURAL DRAWINGS MAY BE CONSIDERED WITH MATERIALS HAVING EQUIVALENT OR GREATER CAPACITY AND PERFORMANCE. CURRENT EVALUATION REPORTS AND PRODUCT INFORMATION SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER DEMONSTRATING THE REQUIRED CAPACITY AND PERFORMANCE OF THE MATERIAL TO BE SUBSTITUTED. WRITTEN APPROVAL FROM THE SEOR SHALL BE OBTAINED PRIOR TO THE SUBSTITUTION OF ANY MATERIAL SPECIFIED ON THE STRUCTURAL DOCUMENTS.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE ARCHITECT, SEOR, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
8. ALL WORK IS NEW (N) UNLESS INDICATED AS EXISTING (E).
9. CONSTRUCTION MATERIALS SHALL BE DISTRIBUTED WHEN PLACED ON THE STRUCTURE SUCH THAT LOADS DO NOT EXCEED DESIGN LIVE LOADS OR RESULT IN AN UNBALANCED CONDITION.
10. REFER TO THE PROJECT SPECIFICATIONS FOR SHOP DRAWING REQUIREMENTS AND SUBMITTALS.

STRUCTURAL DESIGN CRITERIA:

CODES:

ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2019 EDITION, INCLUDING ALL AMENDMENTS. ALL STANDARDS USED SHALL BE THE LATEST VERSION APPROVED BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE.

WIND DESIGN INFORMATION

RISK CATEGORY = III	Kd = 0.85	Kzt = 1.0
BASIC WIND SPEED Vfm = 102 MPH (3 SEC GUST)	EXPOSURE = C	
INTERNAL PRESSURE COEFF. = +/- 0.18		

SEISMIC DESIGN INFORMATION

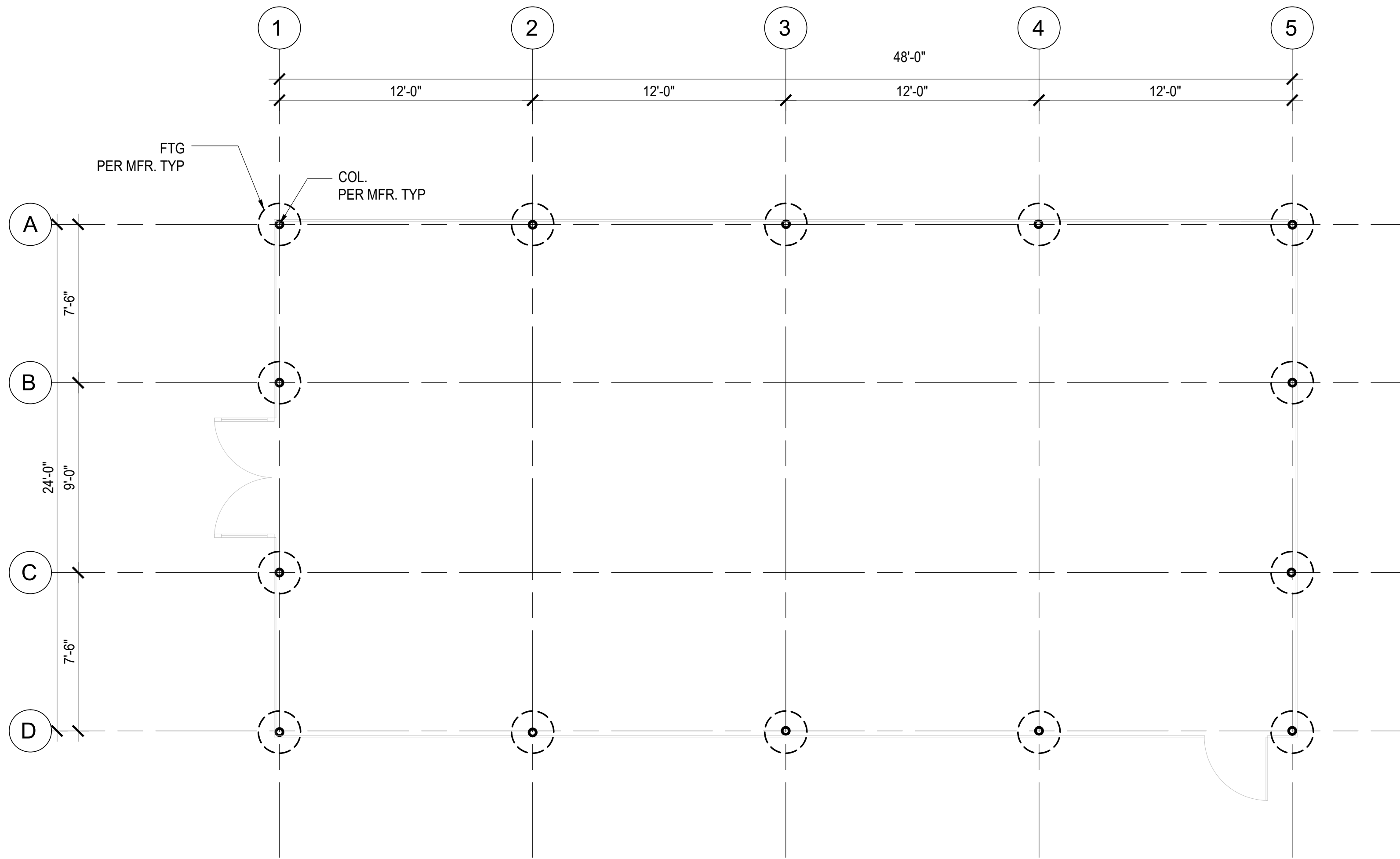
I = 1.25	RISK CATEGORY = III	SITE CLASS = D (DEFAULT)
Ss = 1.82	S1 = 0.652	SDS = 1.456 SD1 = 0.739
SEISMIC DESIGN CATEGORY = D		

FOUNDATION NOTES (NO SOILS REPORT):

1. NO SOILS REPORT AVAILABLE; THEREFORE, MINIMUM VALUES USED PER 2019 CBC.
2. ALLOWABLE VERTICAL BEARING PRESSURE = 1500 PSF
ALLOWABLE LATERAL BEARING PRESSURE = 100 PSF PER FT OF DEPTH
3. THE CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE 2019 CBC. A GEOTECHNICAL ENGINEER SHALL OBSERVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE.
4. SUBSURFACE SOIL PREPARATION:
 - A. ALL EXISTING UNDOCUMENTED FILL AND TOPSOILS SHALL BE REMOVED AND RECOMPACTED. BACKFILL SHALL BE FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, COBBLE AND BOLDERS.
 - B. ALL EXPANSIVE SOIL SHALL BE REMOVED PER CBC 1808A.6.3
 - C. GEOTECHNICAL ENGINEER SHALL BE RETAINED DURING THE OVEREXCAVATION PROCESS. THE ACTUAL DEPTH OF REMOVAL WILL BE DETERMINED DURING GRADING OPERATIONS TO CONFIRM COMPETENT NATIVE SOIL MATERIALS ARE ENCOUNTERED.
 - D. OFFSITE FILL MATERIAL SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
5. COMPACTED ENGINEERED FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS OF 6 TO 8 INCHES AND SHALL HAVE AN IN-PLACE DRY DENSITY IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557. THE COMPACTION SHALL BE VERIFIED BY SPECIAL INSPECTION.
6. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
7. ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.
8. PRIOR TO REINFORCEMENT FOR FOUNDATIONS BEING PLACED, THE SOILS ENGINEER SHALL PREPARE AND SUBMIT A VERIFIED REPORT AS REQUIRED BY THE CALIFORNIA ADMINISTRATIVE CODE. THE REPORT SHALL INDICATE THAT ALL TESTS AND INSPECTION REQUIRED BY THE APPROVED CONSTRUCTION DOCUMENTS WERE COMPLETED AND THAT THE TESTED MATERIALS AND/OR INSPECTED WORK MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS. THE REPORT SHALL ALSO STATE THAT:
 - A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
 - B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
 - C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.

STATEMENT OF SPECIAL INSPECTIONS (DSA):

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
2. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVED FABRICATORS MUST SUBMIT A CERTIFICATE OF COMPLIANCE FOR OFFSITE FABRICATIONS SUCH AS STRUCTURAL STEEL, PRECAST CONCRETE, GLUED LAMINATED TIMBER, ETC.
3. ALL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT SPECIAL INSPECTORS. JOB SITE VISITS BY THE STRUCTURAL ENGINEER OR BUILDING OFFICIAL DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS BY A SPECIAL INSPECTOR.
4. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO DSA AND SEOR THE FINAL REPORTS BY THE SPECIAL INSPECTOR(S) MUST CERTIFY THAT THE ENTIRE STRUCTURAL SYSTEM COMPLIES WITH THE APPROVED PLANS AND SPECIFICATIONS.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THESE INSPECTIONS ARE PERFORMED.
6. WORK REQUIRING SPECIAL INSPECTION SHALL BE INSPECTED BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED AND AT THE COMPLETION OF WORK. CONTINUOUS INSPECTION CONSISTS OF FULL-TIME INSPECTION; PERIODIC INSPECTION CONSISTS OF PART-TIME OR INTERMITTENT INSPECTION.
7. PERFORM ALL TESTING AND INSPECTION PER CALIFORNIA BUILDING CODE CHAPTER 17A.



SCOPE OF WORK:
THE FOUNDATION PLAN PROVIDED HEREIN IS FOR ILLUSTRATION PURPOSE ONLY.
THE GREENHOUSE STRUCTURE AND FOUNDATIONS ARE CONSIDERED A NON-CLASSROOM BUILDING PER DSA IR A-22 AND IS EXEMPT FROM DSA REVIEW.
THE GREENHOUSE MANUFACTURED SHALL PROVIDE FULLY DETAILED AND CALCULATED DRAWINGS USING THE DESIGN CRITERIA UNDER STRUCTURAL DESIGN & FOUNDATION NOTES.

1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122086 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 07/11/2022

CSDA DESIGN GROUP

LISTEN COLLABORATE CREATE

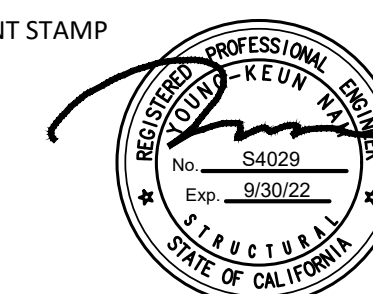
610 E. Franklin Ave
El Segundo, CA 90245
(T): 310.821.9200
www.csddesigngroup.com

ARCHITECT STAMP

CONSULTANT:

MCA ENGINEERS INC.
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: H670

CONSULTANT STAMP



PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

ARROYO HIGH SCHOOL



4921 CEDAR AVENUE
EL MONTE, CA, 91731

MARK DATE	DESCRIPTION
01-07-2022	100% CD SET
03-03-2022	DSA SUBMITTAL

PROJECT NO.: **21075.01**
01/07/2022

SHEET TITLE:

**GREENHOUSE
FOUNDATION PLAN
AND NOTES**

SHEET NO.:

S-001

ELECTRICAL SPECIFICATIONS

1. GENERAL PROVISIONS
 - A. THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOREGOING ARCHITECTURAL GENERAL NOTES AND MECHANICAL NOTES SHALL APPLY TO ALL WORK HEREUNDER.
 - B. THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH NEC 2017, CEC 2019, LAEC 2017, T-24 REGULATION AND ORDINANCES, AND AUTHORITIES HAVING JURISDICTION.
 - C. CONTRACTOR IS DIRECTED TO OBTAIN AND REVIEW BUILDING CONSTRUCTION STANDARDS. WORK SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS WHETHER OR NOT SUCH ARE REPEATED HEREIN OR ON PLANS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN BUILDING STANDARDS AND THESE DRAWINGS.
 - D. CONTRACTOR SHALL VISIT SITE AND BE FULLY COGNIZANT OF ALL CONDITIONS PRIOR TO PROPOSAL. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS.
 - E. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES OR RECOGNIZED TESTING AGENCY.
 - F. FIRE ALARM SYSTEM EQUIPMENT SHALL ALSO BE APPROVED BY STATE FIRE MARSHALL.
2. SCOPE
 - A. FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT AND LABOR AS SHOWN AND AS NECESSARY FOR COMPLETE WORKABLE SYSTEM.
 - B. OBTAIN AND PAY FOR ALL REQUIRED FEES, PERMITS AND INSPECTIONS.
 - C. GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR FROM DATE OF FILING NOTICE OF COMPLETION.
 - D. DISCONNECT AND REMOVE ALL DEVICES, CONDUIT AND WIRE NOT BEING REUSED WITHIN REMODEL AREAS. DETERMINE FROM OWNER EQUIPMENT TO BE SALVAGED. REMOVE ALL OTHER FROM SITE. SEAL ALL UNUSED FLOOR PENETRATIONS WITH APPROVED FIRE RATED ABANDONMENT PLUGS. RE-ROUTING AS REQUIRED TO LEAVE AREAS ADJACENT TO REMODEL IN SERVICE.
 - E. THE PROJECT IS THE RENOVATION OF AN EXISTING LIBRARY CONVERTING TO OFFICES, AND INVOLVED WORK OUTSIDE THE SCOPE COORDINATE THIS WORK TO MAINTAIN ELECTRICAL SERVICE AT ALL TIMES TO THE COMPLETE FACILITY.
3. SUBMITTALS
 - A. PROVIDE CATALOG CUTS OR SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT FOR THE FOLLOWING EQUIPMENT AND ITEMS:
 - a. LIGHTING FIXTURES AND CONTROL DEVICES
 - b. SWITCHES, OUTLETS AND WALL PLATES
4. RECORD DRAWINGS
 - A. SUBMIT AT THE PROJECT COMPLETION AND PRIOR TO FINAL PAYMENT ONE SET OF RECORD PRINTS NOTING ACTUAL ROUTINGS OF CONDUITS, EQUIPMENT LOCATIONS, ETC., AS WELL AS ANY REVISIONS MADE TO DESIGN DRAWINGS. SUBMIT WITH RECORD PRINTS TWO COPIES OF AVAILABLE EQUIPMENT MANUALS, SERVICE RECOMMENDATIONS, GUARANTEES, ETC.
 - B. CIRCUIT NUMBERS FOR ALL FIXTURES AND DEVICES (NEW AND EXISTING) WITHIN THE AREA OF WORK SHALL BE VERIFIED AND INDICATED ON RECORD DRAWINGS. PANEL SCHEDULES SHALL BE CORRECTED TO REFLECT ACTUAL INSTALLATION.
5. COORDINATION
 - A. COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY ELECTRICAL EQUIPMENT.
 - B. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIXTURES, DEVICES, OUTLETS, ETC.
6. RELATED WORK
 - A. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR INSTALLATION OF HIS WORK.
 - B. OBTAIN WRITTEN PERMISSION FROM ARCHITECT AND GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS, INCLUDING FLOOR SLABS.
 - C. REFINISH MARRED OR DAMAGED FACTORY FINISHED EQUIPMENT.
 - D. CONNECT ALL CONTRACTOR AND OWNER FURNISHED EQUIPMENT AND PROVIDE AND INSTALL REQUIRED DISCONNECTING MEANS.
 - E. RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK.
7. DISTRIBUTION AND GROUNDING
 - A. PANELBOARDS SHALL BE BOLTED TYPE CIRCUIT BREAKERS MATCHING BUILDING STANDARDS, WHERE BUILDING STANDARDS DO NOT DESIGNATE MANUFACTURER, PROVIDE SQUARE D NQOD. ALL 15/1 AND 20/1 CIRCUIT BREAKERS SHALL BE "SWD" RATED AND MARKED.
 - B. PROVIDE GROUNDING SYSTEM COMPLYING WITH THE CODES AND ORDINANCES SPECIFIED. GROUNDING SYSTEM SHALL PROVIDE CONTINUITY THROUGH ENTIRE ELECTRICAL SYSTEM.
8. CONDUIT AND RACEWAYS
 - A. PROVIDE COMPLETE CONDUIT OR RACEWAY SYSTEM FOR ALL CIRCUITS AND WIRING OVER 100 VOLTS AND AS DESIGNATED FOR LOW VOLTAGE AND SIGNAL SYSTEMS CIRCUITS AND WIRING.
 - a. ALL EXPOSED OR DAMP LOCATIONS OR LARGER THAN 2" SHALL BE GALVANIZED ELECTRICAL METALLIC TUBING (E.M.T.) CONDUIT UNO.
 - b. INTERIOR DRY LOCATIONS ABOVE GROUND SHALL BE GALVANIZED E.M.T. CONDUIT COUPLED WITH SET SCREW TYPE FITTINGS.
 - c. CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE FLEXIBLE CONDUIT, MAXIMUM LENGTH 24", WITH PLASTIC BUSHED CONNECTIONS, 1/2" MINIMUM.
 - d. CONNECTIONS TO LIGHTING FIXTURES IN T-BAR SUSPENDED CEILINGS SHALL BE FLEXIBLE CONDUIT.
 - e. FLEXIBLE STEEL CONDUIT OR M/C CABLE MAY BE USED IN DRY CONCEALED LOCATIONS FOR BRANCH CIRCUIT DISTRIBUTION BUT NOT HOMERUNS.
 - f. UNDER GROUND CONDUIT SHALL BE SCHEDULE 40 PVC OR RIGID STEEL CONDUIT, BURIED A MINIMUM OF 24" BELOW GRADE.
 - B. RUN ALL WIRES IN CONDUIT CONCEALED WHEREVER POSSIBLE IN CEILING, WALL OR FLOOR SPACES. RUN CLOSE TO STRUCTURE, PARALLEL TO BUILDING LINES. EXPOSED RACEWAY IN STAIRWELL, EQUIPMENT ROOMS, ETC. SHALL TIGHTLY CONFORM TO BUILDING OUTLINES SO AS TO BE AS INCONSPICUOUS AS POSSIBLE.
 - C. RUN ALL WIRES IN CONDUIT CONCEALED WHEREVER POSSIBLE IN CEILING, WALL OR FLOOR SPACES. RUN CLOSE TO STRUCTURE, PARALLEL TO BUILDING LINES. EXPOSED RACEWAY IN STAIRWELL, EQUIPMENT ROOMS, ETC. SHALL TIGHTLY CONFORM TO BUILDING OUTLINES SO AS TO BE AS INCONSPICUOUS AS POSSIBLE.
9. WIRE
 - A. WIRE SHALL BE TYPE THHN/THHN, 600 VOLT COPPER, BEARING UL LABEL. CONDUCTORS #8 OR LARGER SHALL BE STRANDED, CONDUCTORS #10 AND SMALLER SHALL BE SOLID. BRANCH CIRCUIT WIRE SHALL BE #12 MIN. FOR 120V. WIRE COLOR CODING SHALL MATCH EXISTING AND SHALL BE NOTED ON AS-BUILT PLANS. BOTH ENDS OF ALL WIRE RUNS SHALL BE LABELED W/ NUMBERED PRESSURE LABELS. SPLICE ONLY IN ACCESSIBLE JUNCTION OR OUTLET BOXES. SCREW-ON CONNECTORS SHALL BE NEATLY INSTALLED; GROUPED, LACED OR CLIPPED, AND FANNED OUT TO/FROM TERMINAL.
10. DEVICES
 - A. TYPES OF ALL SWITCHES, RECEPTACLES AND WALL PLATES SHALL BE AS APPROVED BY ARCHITECT. VERIFY MATERIALS AND COLOR AND LOCATION WITH ARCHITECT.
 - B. RECEPTACLES SHALL BE NEMA 5-20R SPEC GRADE O.U.T.N. ON PLANS OR BY ARCHITECT. DEDICATED CIRCUIT OUTLET SHALL BE NEMA 5-20R.
 - C. SWITCHES SHALL BE RATED 120/277 VOLT SPEC GRADE.
 - D. DEVICE HEIGHT (TO CENTER OF DEVICE); RECEPTACLES AND TELEPHONE JACKS - 15" IN OPEN WALL AREAS, 8" ABOVE SPLASH AT BUILT IN COUNTER OR LAVATORY LOCATIONS.
 - E. SWITCHES - 42". CLOCK - 84". WALL TELEPHONE - 54". UNLESS OTHERWISE NOTED IN ARCHITECTURAL DRAWINGS.
 - F. DEVICE INSTALLATION: DEVICES MOUNTED IN A COMMON WALL SHALL BE OFFSET HORIZONTALLY A MINIMUM OF 8" IN REGULAR WALLS AND 24" IN ONE-HOUR RATED OCCUPANCY SEPARATION WALLS. NO BOXES SHALL BE INSTALLED BACK TO BACK. ALL UNUSED HOLES IN BOXES SHALL BE SLAGGED OR SEALED.
13. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
14. CONTRACTOR SHALL PROVIDE A TIE TO CIRCUIT BREAKERS TO CIRCUITS AT PANEL BOARD FOR PRE-WIRED FURNITURE PER NEC-210-4-B, 605.6 AND 605.7. FOR ADDITIONAL DETAILS SEE POWER PLANS.
15. FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS.
16. MISCELLANEOUS
 - A. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING ITEMS OR FEATURES. REFER TO EACH RESPECTIVE DRAWINGS FOR EXACTNESS OF INFORMATION.
 - B. IF ANY DISCREPANCY WILL OCCUR BETWEEN ELECTRICAL AND ARCHITECTURAL DRAWINGS, THEN THE ARCHITECTURAL WILL GOVERN.
 - C. VERIFY ALL LIGHTING FIXTURE LOCATIONS WITH ARCHITECT IN FIELD PRIOR TO WIRING AND CONDUIT ROUGH-IN.

ELECTRICAL SYMBOLS LIST

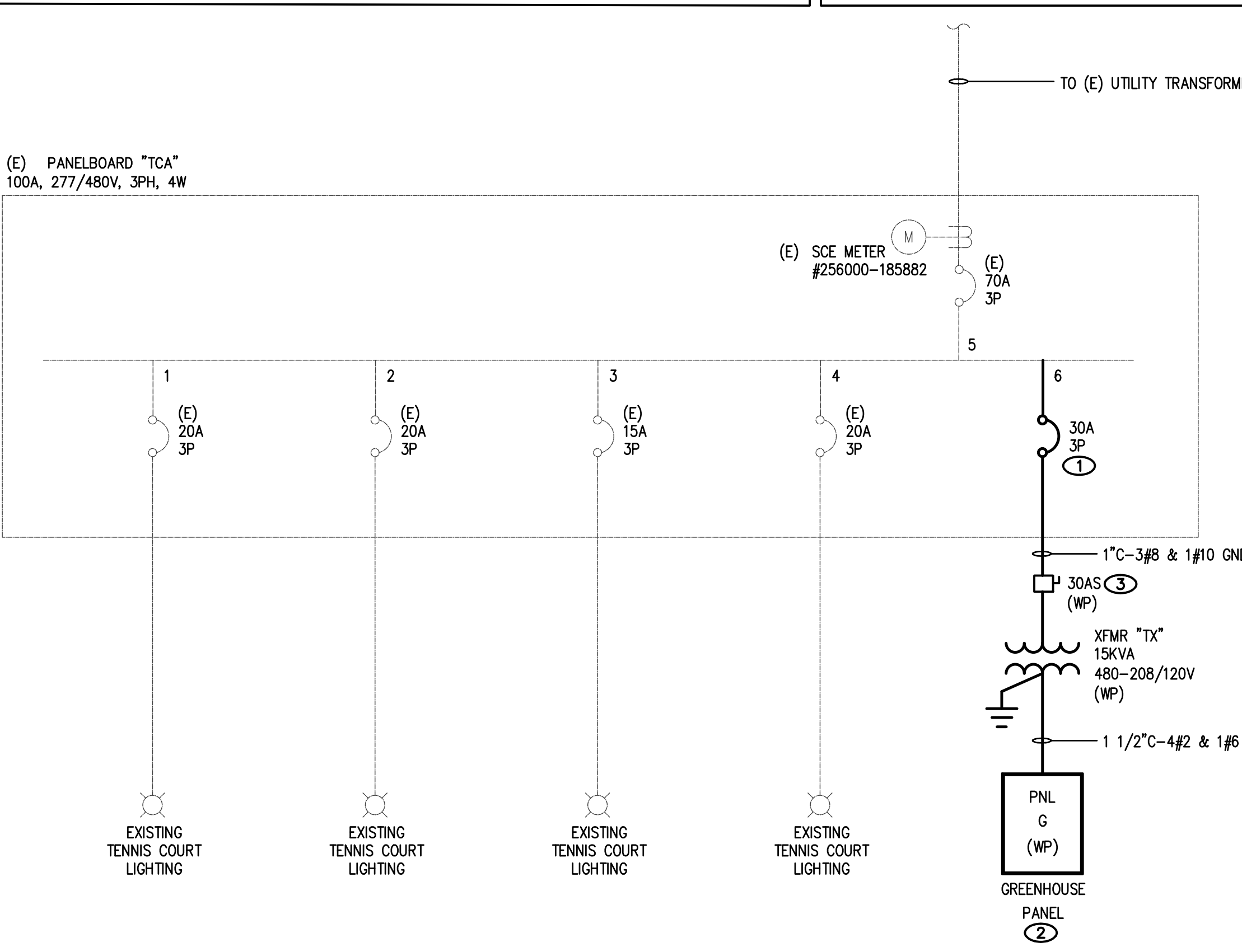
- | SYMBOL | GENERAL DESCRIPTION |
|--------|---|
| | DISCONNECT SWITCH & FUSE, DIAGRAMMATIC |
| | CONDUIT STUB-UP WITH COUPLING FLUSH IN FLOOR (TO PERMIT FUTURE REMOVAL) |
| | CONDUIT CONCEALED IN OR UNDER FLOOR; OR UNDERGROUND (CONFIRM DEPTH; GRADE TO DRAIN INTO PULL BOXES) |
| | 3/4" CONDUIT WITH 2#12 WIRES AND 1#12 GND. |
| | 3/4" CONDUIT WITH 3#12 WIRES AND 1#12 GND. |
| | 3/4" CONDUIT WITH 4#12 WIRES AND 1#12 GND. |
| | 3/4" CONDUIT WITH 5#12 WIRES AND 1#12 GND. |
| | 3/4" CONDUIT WITH 6#12 WIRES AND 1#12 GND. |
| | 3/4" CONDUIT WITH 2#12 WIRES, 1#12 GND AND 1#12 ISOLATED GROUND |
| | 3/4" CONDUIT WITH 4#12 WIRES, 1#12 GND AND 1#12 ISOLATED GROUND |
| | NUMBER INDICATES GAUGE OF WIRE IN CODE SIZED CONDUIT. |
| | HOMERUN TO CIRCUITS #1 & #3 IN PANEL "A" (CROSSMARKS INDICATE NUMBER OF WIRES) |
| | CONDUIT DROPPING DOWN FROM RUN (IF CONDUIT IS USED KEEP COVER ACCESSIBLE) |
| | CONDUIT RISING UP FROM RUN (IF CONDUIT IS USED, KEEP COVER ACCESSIBLE) |
| | GROUND CONNECTION WITH ACCESSIBLE CLAMP (TO COLD WATER PIPE OR DRIVEN GROUND ROD) |
| | UFER GROUND |
| | PULL BOX WITH SCREW HELD METAL COVER PLATE (DIMENSIONS CODE-SIZED UNLESS NOTED) |
| | BRANCH PANELBOARD, WALL MOUNTED, SEE SCHEDULE |
| | DISTRIBUTION SUB-SWITCHBOARD, SEE SCHEDULE |
| | MAIN SWITCHBOARD, POWER OR LIGHT, FLOOR STANDING, ENCL. (SEE ONE LINE DIAGRAM & LOAD SUMMARY) |
| | PULL SECTION FOR UNDERGROUND SERVICE TO SWITCHBOARD (PROVIDE PERFORATED SCREW HEADS FOR UTILITY SEAL) |
| | TRANSFORMER |
| | CONTROL PANEL WITH DEVICES SHOWN OR DESCRIBED (MOUNT DEVICES INDEPENDENT FROM HINGED COVER) |
| | 3/4"C.O. FOR TELEPHONE SYSTEM. |
| | 3/4" C.O. FOR DATA OUTLET |
| | REFERENCE NOTE |
| | EXISTING TO REMAIN. |
| | EXISTING CONDUIT AND CONDUCTORS TO REMAIN |

ABBREVIATION

- | | |
|-----------|---|
| AFF | ABOVE FINISHED FLOOR |
| C.O. | CONDUIT ONLY |
| DP | DISTRIBUTION PANEL |
| EM | EMERGENCY |
| EF | EXHAUST FAN |
| (E) | EXISTING |
| FA | FIRE ALARM |
| FLUOR | FLOUORESCENT |
| GND | GROUND |
| HP | HORSEPOWER RATING |
| J-BOX | JUNCTION BOX |
| KA | KILO AMPERES |
| KW | KILOWATT |
| KVA | KILO-VOLT AMPS |
| LTG | LIGHTING |
| LCL | "LONG CONTINUOUS LOAD" |
| L.O. | LUGS ONLY |
| LV | LOW VOLTAGE |
| SSD | METAL BOX 4-11/16" SQUARE (X) 2-1/8" DEEP |
| MH | MOUNTING HEIGHT (TO BOTTOM OF FIXTURE) |
| (+)'X'-Y" | MOUNTING HEIGHT (TO CENTER OF DEVICE) |
| GFI/GFCI | GROUND FAULT CIRCUIT INTERRUPTER PER CEC 210.8. |
| MC | MOMENTARY CONTACT ACTION |
| M.L.O. | MAIN LUG ONLY |
| NEC | NATIONAL ELECTRICAL CODE |
| (N) | NEW |
| NL | NIGHT LIGHT |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| PNL | PANEL BOARD |
| PEC | PHOTO ELECTRIC CELL |
| R | RADIUS |
| SA | SATIN ALUMINIUM |
| SSS | SATIN STAINLESS STEEL |
| HOA | "HAND OFF AUTOMATIC" |
| TEL | TELEPHONE |
| TSC | TIME SWITCH CONTROL |
| TRANSF | TRANSFORMER |
| TL | TWIST-LOCK CONSTRUCTION |
| TYP | TYPICAL |
| (X) | EXISTING FIRE ALARM DEVICE/EQUIPMENT TO BE REMOVED EXISTING DEVICE MOUNTING BOX AND WIRING MAY BE REUSED AS JUNCTION BOX WHERE POSSIBLE. ELECTRICAL CONTRACTOR TO PROVIDE J-BOX COVER PLATE AND HANGING STRAP |
| UNO | UNLESS OTHERWISE NOTED |
| V | VOLTS |
| W/ | WITH/ |
| WP | WEATHERPROOF CONSTRUCTION |
| WT | WEATHERTIGHT CONSTRUCTION |
| WBE | WHITE BAKED ENAMEL |
| WPE | WHITE PORCELAIN ENAMEL |
| (XR) | REMOVE RELOCATE AS SHOWN |
| (ER) | EXISTING DEVICE TO BE REPLACED |
| (AC) | HEAT DETECTOR TO BE PLACED ABOVE CEILING |

ELECTRICAL DRAWING LIST

- E-001 ELECTRICAL LEGENDS AND ABBREVIATIONS
- E-101 ELECTRICAL SITE PLAN



GENERAL NOTES

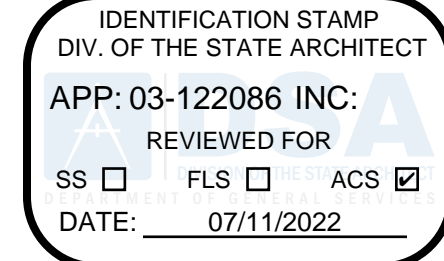
1. CONTRACTOR TO VERIFY LOCATION OF EXISTING PANELS IN THE FIELD.

KEYED NOTES

1. PROVIDE CIRCUIT BREAKER TO MATCH EXISTING MANUFACTURER AND AIC RATINGS.
2. PROVIDE NEW PANEL "G" WITH GROUND BUS, CONNECT EQUIPMENT GROUNDING CONDUCTOR TO GROUND BUS AND BONDING BUSHING.
3. 30 AMP DISCONNECT SWITCH, INSTALL DISCONNECT SWITCH WITHIN SIGHT OF NEW TRANSFORMER.

PARTIAL SINGLE LINE DIAGRAM

SCALE: N/A



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122086 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 07/11/2022



610 E. Franklin Ave
 El Segundo, CA 90245
 (T): 310.821.9200
 www.csadesigngroup.com

ARCHITECT STAMP

CONSULTANT:



ADDR: 2866 BIRCH LANE,
 POMONA, CA 91767
 TEL: (213) 295-5532
 EMAIL: ADMIN@TXECORP.COM

CONSULTANT STAMP

PROJECT OWNER:



3537 JOHNSON AVENUE
 EL MONTE, CA, 91731

PROJECT NAME:



4921 CEDAR AVENUE
 EL MONTE, CA, 91731

MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITTAL

PROJECT NO.: 01/07/2022

SHEET TITLE:

ELECTRICAL COVER SHEET

SHEET NO.:

E- 001

