EL MONTE UNION HIGH SCHOOL DISTRICT

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

DSA SUBMITTAL

DSA FILE NO.: 19-H10

EL MONTE UNION HIGH SCHOOL DISTRICT 3537 JOHNSON AVENUE, EL MONTE, CA 91731

[T]: 626.444.9005

ARCHITECT

OWNER

610 E. FRANKLIN AVENUE EL SEGUNDO, CA. 90245 [T] 310.821.9200 MICHAEL R. SCHOEN, PRINCIPAL

CSDA DESIGN GROUP

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

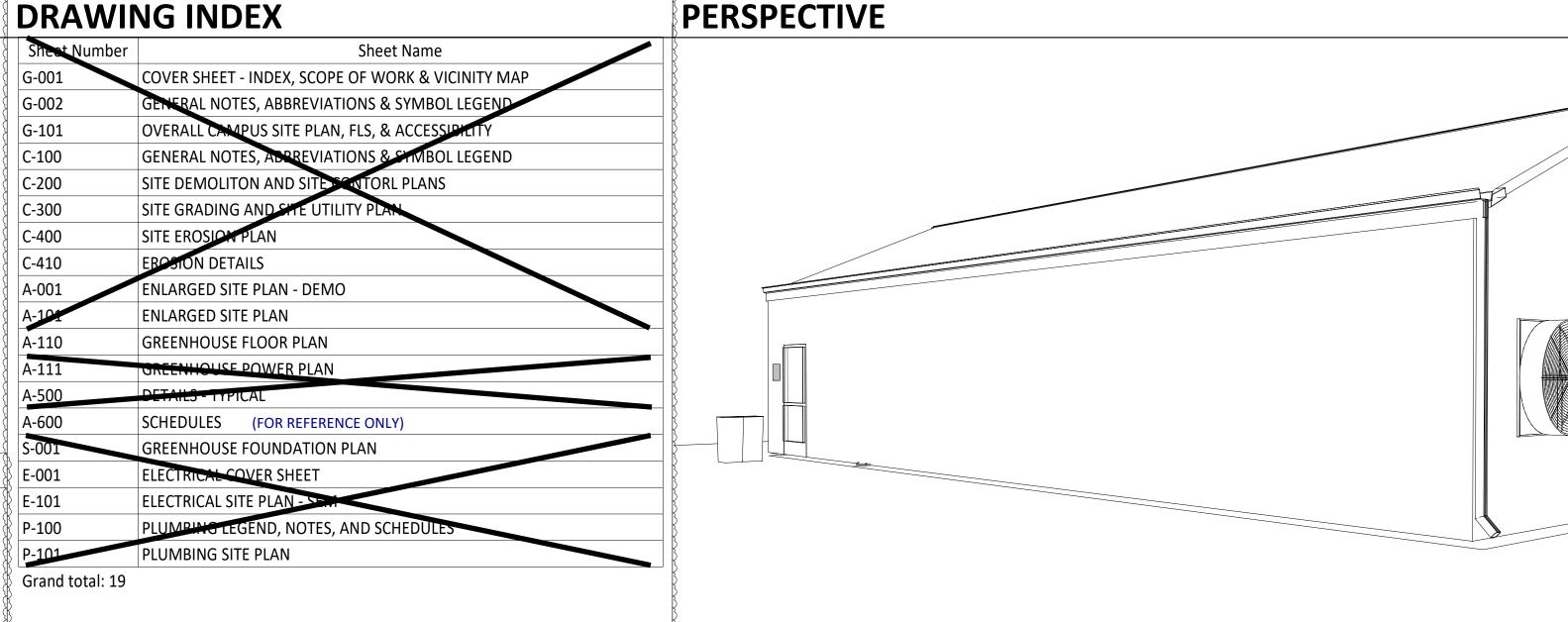
PROJECT DIRECTORY

CIVIL / VCA ENGINEERS, INC. **STRUCTURAL** 1041 S. GARFIELD AVENUE SUITE #210

ALHAMBRA, CA 91801 [T] 323.729.6098 EDWIN CASTRO, OFFICE MANAGER

PTN.: 64519-108

DSA APPLICATION NO.: 03-122087



SITE AREA PERSPECTIVE

STATEMENT OF GENERAL CONFORMANCE

**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.

NEW 24' X 48' MANUFACTURED GREENHOUSE WITH PLANTER BEDS

NEW ACCESSIBLE PATHWAY TO GREENHOUSE AND NEW ACCESSIBLE GATE AT

NEW ELECTRICAL EQUIPMENT TO SERVICE GREENHOUSE

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 RESPONSIBLITIES 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

MICHAEL R. SCHOEN

ALTERNATES

1. ALTERNATE #1 - INTERIOR AQUAPONICS EQUIPMENT PER A-600

APPLICABLE CODES

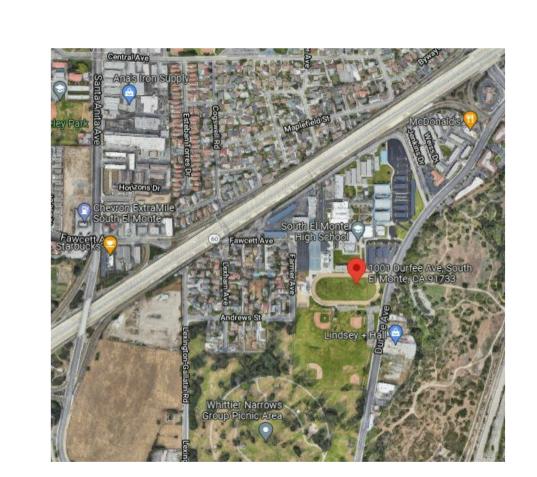
THE WORK ON PUBLIC SCHOOL PROJECTS IN CALIFORNIA IS ADMINISTERED AND ENFORCED BY THE DIVISION OF THE STATE ARCHITECT (DSA), INCLUDING THE STRUCTURAL SAFETY SECTION, THE ACCESS COMPLIANCE SECTION, AND THE STATE FIRE MARSHALL.

- 1. STATUTORY & JUDICIAL REGULATIONS: A. 2019 BUILDING STANDARDS ADMINSTRATIVE 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 S4 C.C.R. H. 2019 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.

VICINITY MAP

SCOPE OF WORK

EXISTING WALKWAY







DESIGN GROUP

LISTEN COLLABORATE CREATE

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

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ARCHITECT STAMP



CONSULTANT

CONSULTANT STAMP

EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE, EL MONTE, CA 91731

SOUTH EL MONTE HIGH SCHOOL **NEW GREENHOUSE**



1001 DURFEE AVE., SOUTH EL MONTE, CA 91733

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

SHEET TITLE:

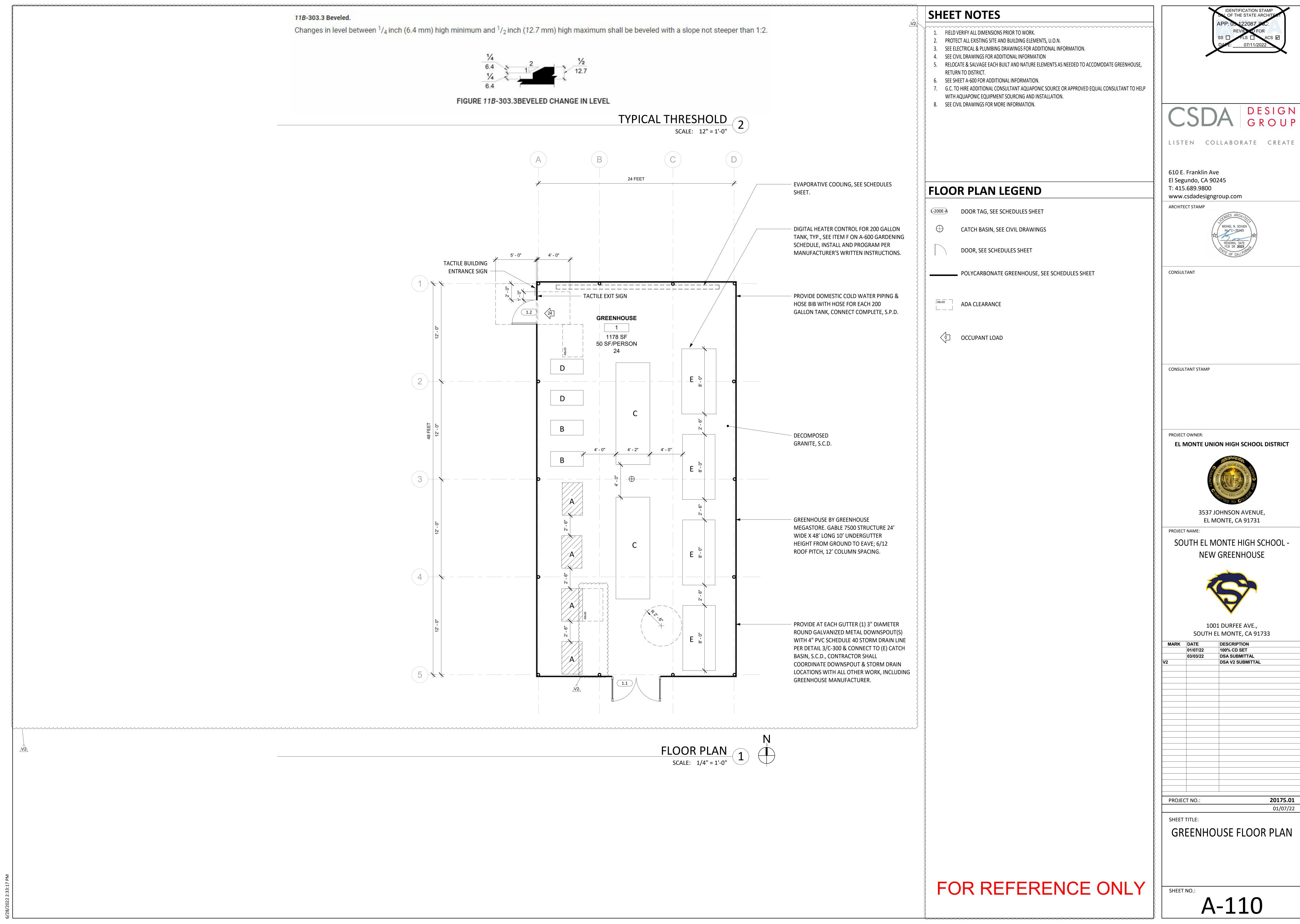
PROJECT NO.:

COVER SHEET - INDEX, SCOPE OF WORK & VICINITY MAP

20175.01

01/07/22

G-001



	03/03/22	DSA SUBMITTAL
/2		DSA V2 SUBMITTAL
PRC	JECT NO.:	20175.0
		01/07/2

								DOOR AND FRAM	E SCHEDULE (VERIFY PRIOR TO BID)				
				DOOR				FRAME					
									DETAIL				
MARK	ROOM NAME	WIDTH	HEIGHT	MAT.	FIN.	MAT.	FIN.	HEAD	JATVID	THRESHOLD	FIRE RATING	HARDWARE GROUP	REMARKS
1.1	GREENHOUSE	6' - 0"	6' - 8"	PER MANUFACTURER	2/A-A110	NONE	PER MANUFACTURER	GREENHOUSE STRUCTURE MER DOOR & HARDWARE W/ LEVER LOCKSET & ACCESSIBLE THRESHOLD					
1.2	GREENHOUSE	3' - 0"	6' - 8"	PER MANUFACTURER	2/A-A110	NONE	PER MANUFACTURER	GREENHOUSE STRUCTURE MFR DOOR & HARDWARE W/ LEVER LOCKSET & ACCESSIBLE THRESHOLD					

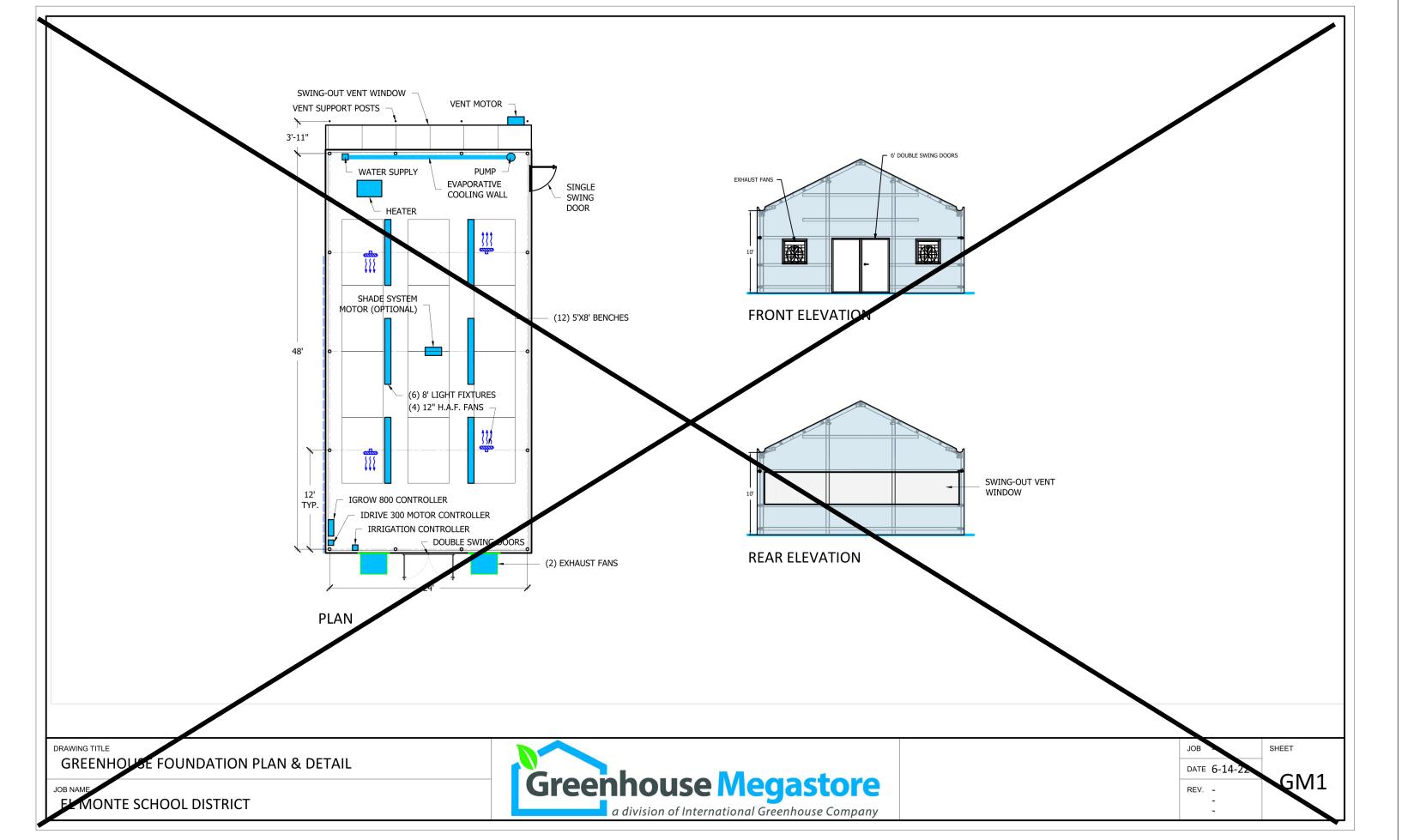
GARDENING EQUIPMENT TO BE PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR:

AQUAPONIC USA, ETC.

F TRUE TEMP - DIGITAL HEATER CONTROL

		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			
А	MESA MINICAMP GRANDE (HYDROPONICS TABLE)	GREENHOUSE MEGASTORE, ETC.	4	HP-NG-MM	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.			
В	MINICAMP VERTICAL JARDANIA RACK	GREENHOUSE MEGASTORE, ETC.	2	HP-NG-MJ	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.			
С	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.			

				GREEN	NHOUSE BUILDING EQUIPM	1ENT (**PROVIDE ADDITION	NAL EQUIPMENT NOT I	LISTED, SEE SHEET NOTES & GREENHOUSE MEGASTORE)
PRODUCT DESCRIPTION	QUANTITY	WODEL NO.	MEASUREMENT	AMPERAGE	VOLTAGE	WEIGHT	CFM	MANUFACTURER
J&D TYPHOON EXHAUST FAN	2	VNS30S850	30"	6.2/3.1	115/230	250+/-	NA	MEGASTORE, CONLEY'S APPROVED EQ. MANUFACTURER (MAY COME WITH GREENHOUSE)
ALUMINUM SHUTTER	4	VRSG48A	48.5"X48.5	NA	NA	NΔ	9,000	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (MAY COME WITH GREENHOUSE)
HORIZONTAL AIR FANS	4	VK12	12"	1.3/0.65	115/230	18	1,470	MEGASTORE, CONLEY'S, APROVED EQ. MANUTACTURER (MAY COME WITH GREENHOUSE)
IGROW 800 ENVIRONMENTAL CONTROLLER	1	Ĉ1-4108	4"X6"	NA	NA	5+/-	NA	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (COORDINATE WITH MAN.)
STAINLESS STEEL EVAPORATIVE SYSTEM FOR 6" PADS	1	EV-SS6	20'-0" X 4'-0"	NA	NA	NA	NA	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (COORDINATE WITH MAN.)



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. 4. SET SKETCH GM1 BY GREENHOUSE MEGASTORE.
- PROVIDE GREENHOUSE, INCLUDING ALL EQUIPMENT, COMPONENTS, ACCESSORIES,
- CONTRACTOR SHALL COORDINATE WITH THE GREENHOUSE MANUFACTURER ON ALL 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, MATER AL, ETC., FOR COMPLETE INSTALLATION (OR SUBMIT AN EQUAL PRODUCT FOR REVIEW PRIOR TO BID), TYP.:
- A. LED LIGHTING
- B. SHADE SYSTEM
- C. HEATING D. EVAPORATIVE COOLING SYST
- E. CONTROLLERS
- F. FANS
- G. MOTORS
- H. IRRIGATION
- I. OPENINGS
- 9. ALL DOOR HARDWARE SHALL MEET REQUIREMENTS OF THE CALIFORNIA BUILDING CODE CHAPTER 11B. SEE GUIDE SPECIFICATION SECTION 08.71.00, FOR REFERENCE
- PROVIDE TYP. THRESHOLD AT EACH DOOR, SEE GREENHOUSE FLOOR PLAN SHEET. 11. PROVIDE CIRCUITS, WIRING, RIGID METAL CONDUITS, BOXES, ETC., GALVANIZED & SPECIFIED FOR EXTERIOR WET AREAS & FOR COMPLETE CONNECTION OF ALL
- EQUIPMENT, AZCESSORIES, DEVICES, SWITCHES, OUTLETS, ETC., TYP.

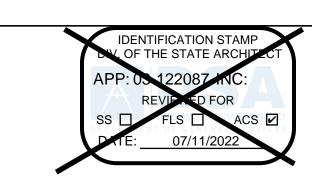
GREENHOUSE MEGASTORE

PROJECT DETAILS

- A. 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 HE GHT
- FROM GROUND TO EAVE; 6/12 ROOF PITCH, 12' COLUMN SPACING
- POST-IN-PIER COLUMN INSTALLATION
- IDEWALLS AND GABLE END FRAMING AND GABLE FLASHING
- A UMINUM EXTRUSIONS AND FASTENERS FOR 8MM TWINWAY
- POLYCARBONATE FOR GABLE ENDS AND SIDE WALLS.
- ALUMINUM EXTRUSIONS AND FASTENERS FOR 8MM TWIN WALL
- POLYCARBONATE ROOF G. (1) CONTINUOUS END WALL VENT BEHIND EVAPORATIVE COOLING WALL
- H. FRAMING FOR TWO (2) EXHAUST FANS, ONE (1) SINGLE SWING DOORS, ONE (1) DOUBLE SWING DOOR.
- GUTTER END CAP AND TWO (2) GUTTER END CAPS V/ DOWNSPOUT
- TRANSITIONS 3. DESIGN LOADS/ENGINERING

HEATER HANGER KIT

- A. GREENHOUSE STRUCTURE LOAD RATINGS REQUIRED FOR ENGINEERING. ENGINEERED CALCULATIONS AND DRAWING WITH CA STATE ENGINEERS
- STAMP. 4. COVERING A. SUFFICIENT 8MM CLEAR TWIN WALL POLY CARBONATE STRUCTURED SHEETS
 - TO COVER GABLE END WALLS, SIDE WALLS, AND ROOF OF GREENHOUSE AREA
- 5. HEATING A. (1) MODINE HER 200 ELECTRIC HEATTR, POWER OPTIONS BELOW.
 - a. 208V 3 PHASE / 56.8 AMPS b. 240V 3 PHASE / 49.4 AMPS
 - c. 480V 3 PHASE / 25.3 AM
- 6. AIR CIRCULATION
- A. (4) HORIZONTAL AIR FLOW (HAF) FANS 12"
- 7. COOLING
- A. (2) 30" EXHAUST FANS WIT A SLOP WALL HOUSING B. (1) 36" TALL X 6" THICK X 4' WIDE EVAPORATIVE COOLING WALL COMPLETE
- WITH PUMP AND RESER OIR
- C. (1) CONTINUOUS END WALL VENT WITH EXTERNAL RACK & PINION AND
- MOTOR 8. DOORS
- A. (1) PLYCO 3' WIDE SINGLE SWING DOOR WITH ADA SILL & LOCKSET
- B. (1) PLYCO 6' WIDE DOUBLE STEEL DOOR WITH ADA SILL & LOCKSET 9. CONTROLS
- A. (1) LINK4 FULLY PROGRAMMABLE CONTROLLER WITH INTEGRATED CONTACTOR CABINET, TEMP/HUMIDITY SENSORS AND DRAWINGS. ACCESSED FROM THE LOUD.
- 10. INTERIOR AUTO SHADE SYSTEM
- A. SLOPE/FLAT/SLOPE INTERIOR AUTOMATED SHADE SYSTEM WITH MOTOR. CONTROLLED BY GREENHOUSE CONTROLLER
- 11. LIGHTING
- LONG 6 BULB LED LIGHTS FOR GENERAL LIGHTING 12. IRRIGAT
 - LTER, WATER PRESSURE REGULATOR, SOLENOIDS, MULTI STA CONTROLLER, TUBING, FITTINGS FOR OVERHEAD MISTING DELI INCLUDES LINK4 IRRIGATION CONTROLLER WITH 8 CHANNELS. ACCESSED
- FROM THE CLOUD. SI E SKETCH GM1 FOR MORE INFORMATION.



LISTEN COLLABORATE CREATE

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ARCHITECT STAMP



CONSULTANT

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PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT



3537 JOHNSON AVENUE, EL MONTE, CA 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL -**NEW GREENHOUSE**



1001 DURFEE AVE., SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION					
V2		DSA V2 SUBMITTAL					
-							

20175.01 PROJECT NO.: 01/07/22

SCHEDULES

SHEET TITLE:

SHEET NO.: A-600