CHILD NUTRITION SERVICES GREENHOUSE

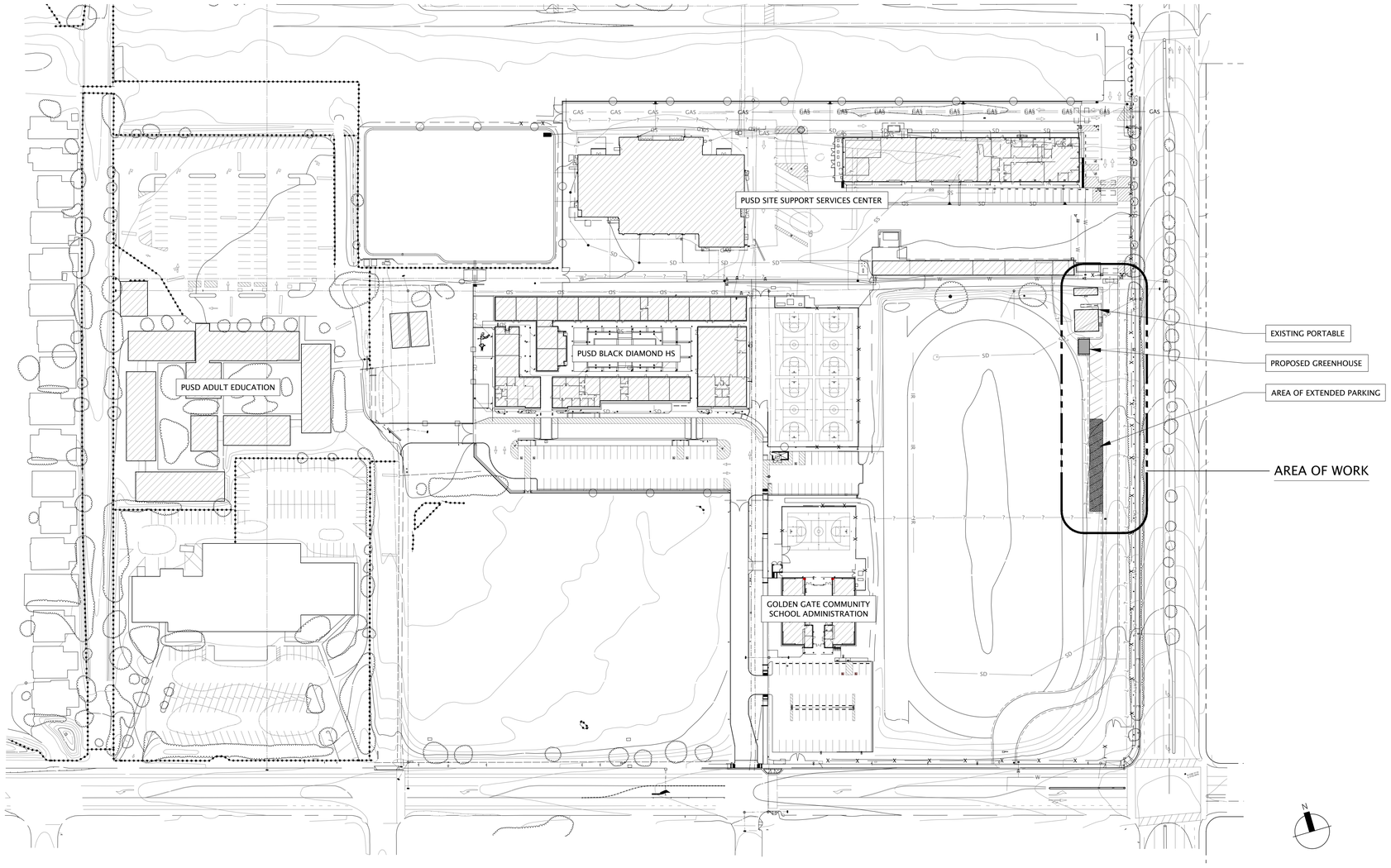
PITTSBURG UNIFIED SCHOOL DISTRICT

3200 LOVERIDGE ROAD, PITTSBURG, CA 94565

PUSD PROJECT NO. 23-016

SITE PLAN

SCALE:1"=80'



SCOPE DESCRIPTION

THE SCOPE OF WORK FOR THIS PROJECT INCLUDES:

- CONSTRUCTION & INSTATLLATION OF AN OPCI GREENHOUSE KIT, INCLUSIVE OF FOUNDATION AND SLAB, AND UTILITIES TO AND WITHIN STRUCTURE.
- CONSTRUCTION OF A PARKING LOT

DRAWING INDEX

PROJECT TEAM

OWNER	PITTSBURG UNIFIED SCHOOL DISTRICT 2000 RAILROAD AVE. PITTSBURG, CA 94565 925-473-2300
ARCHITECT	PLUM ARCHITECTS 936 CLEMENT STREET SAN FRANCISCO, CA 94118 415-837-0900 CONTACT: ROBERTA WAHL
STRUCTURAL ENGINEER	STRUCTURAL DESIGN GROUP, INC 2455 BENNETT VALLEY RD, B119 SANTA ROSA, CA 95404 (707) 284-3641 CONTACT: RICH BURRIS
ELECTRICAL ENGINEER	O'MAHONEY & MYER ELECTRICAL ENGINEERING & LIGHTING DESIGN 4340 REDWOOD HIGHWAY, SUITE 245 SAN RAFAEL, CALIFORNIA 94903 415-492-0420 CONTACT: PIETER COLENBRANDER, P.E.

PLUM | architects

936 Clement Street, San Francisco CA, 94118
TEL: 415-837-0900

Stamp

LICENSED ARCHITECT
ROBERTA ANN WAHL
C28322
Ren.06-30-25
STATE OF CALIFORNIA

Revisions

PROGRESS SET	06/07/23
BID SET	06/16/23

Project 2313

Child Nutrition Services Greenhouse

3200 Loveridge Road
Pittsburg, CA 94565

Pittsburg Unified School District

Sheet

SITE INFORMATION

A1.00

Date

June 14, 2023

ABBREVIATIONS

&	AND	ELEC.	ELECTRICAL	LTG.	LIGHTING	RWD.	REDWOOD
∠	ANGLE	ELEV.	ELEVATION	MARB.	MARBLE	RDWD.	REDWOOD
@	AT	EMER.	EMERGENCY	MAS.	MASONRY	S.	SOUTH
℄	CENTERLINE	EN.	ENAMEL	MAT.	MATERIAL	S.&V.	SATIN & VARNISH
∅	DIAMETER or ROUNDED	ENCL.	ENCLOSURE	MAX.	MAXIMUM	S.C.	SOLID CORE
#	POUND or NUMBER	E.P.	ELECTRICAL PANELBOARD	M.B.	MACHINE BOLT	S.C.D.	SEAT COVER DISPENSER
d	PENNY	EQ.	EQUAL	M.C.	MEDICINE CHEST	S.E.D.	SEE ELECTRICAL DWGS.
A.A.C.	ADHESIVE-APPLIED ACOUSTIC TILE	EQ.J.	EARTHQUAKE JOINT	MECH.	MECHANICAL	SCHED.	SCHEDULE(ED)
		EQUIP.	EQUIPMENT	MEMB.	MEMBRANE	S.D.	SOAP DISPENSER or STORM DRAIN
A.B.	ANCHOR BOLT	EST.	ESTIMATE	MFR.	MANUFACTURER		
ABV.	ABOVE	E.W.	EACH WAY	MH.	MANHOLE	S..S.	SELF-DRILLING SCREW
AC	ASPHALT CONCRETE	E.W.C.	ELECTRIC WATER COOLER	MIN.	MINIMUM	SECT.	SECTION
ACCS.	ACCESS or ACCESSIBLE	EXC.	EXCAVATE(ED)	MIR.	MIRROR	SH.	SHOWER
ACOUS.	ACOUSTIC	EXH.	EXHAUST	MISC.	MISCELLANEOUS	SHT.	SHEET
ACT	ACOUSTICAL TILE	EXP.	EXPOSED	MLDG.	MOULDING	SHTG.	SHEATHING
A.D.	AREA DRAIN	EXPAN.	EXPANSION	M.L.P.	METAL LATH & PLASTER	SIM.	SIMILAR
A.D.A.	AMERICANS W/ DISABILITIES ACT	EXT.	EXTERIOR	M.O.	MASONRY OPENING	SL.	SLOPE
		EXTR.	EXTRUDED	M.S.	MACHINE SCREW	S.L.D.	SEE LANDSCAPE DWGS.
ADDN.	ADDITION	F.A.	FIRE ALARM	MTD.	MOUNTED	S.M.D.	SEE MECHANICAL DWGS.
ADH.	ADHESIVE	FAB.	FABRICATE	MTL.	METAL	SMS	SHEET METAL SCREW
ADJ.	ADJUST or ADJUSTABLE	F.B.	FLAT BAR	MUL.	MULLION	S.N.D.	SANITARY NAPKIN DISPENSER
A.F.F.	ABOVE FINISHED FLOOR	F.A.U.	FORCED AIR UNIT	(N)	NEW	S.N.R.	SANITARY NAPKIN RECEPTACLE
AGGR.	AGGREGATE	F.B.O.	FURNISHED BY OTHERS	N.	NORTH	S.O.G.	SLAB ON GRADE
AL.	ALUMINUM	F.C.	FURRED CEILING	NEG.	NEGATIVE	S.P.D.	SEE PLUMBING DWGS.
ALT.	ALTERNATE	F.D.	FLOOR DRAIN	N.I.C.	NOT IN CONTRACT	SPEC.	SPECIFICATIONS
A.P.	ACCESS PANEL	FDN.	FOUNDATION	NO.	NUMBER	SQ.	SQUARE
APPO.	APPROVED	F.E.	FIRE EXTINGUISHER	N.T.S.	NOT TO SCALE	S.S.D.	SEE STRUCTURAL DWGS.
APPROX.	APPROXIMATE	F.E.C.	FIRE EXTINGUISHER CABINET	O/	OVER	S.	SOUTH
ARCH.	ARCHITECTURAL	FEDSPEC	FEDERAL SPECIFICATION	O.A.	OVERALL	SK.	SINK
ASPH.	ASPHALT	F.F.	FINISHED FLOOR	OBS.	OBSCURE	S.STL., S.S.	STAINLESS STEEL
BAL.	BALANCING	F.H.	FIRE HYDRANT	O.C.	ON CENTER	STA.	STATION
BARR.	BARRIER	F.H.C.	FIRE HOSE CABINET	O.D.	OUTSIDE DIAMETER	STD.	STANDARD
BD.	BOARD	F.H.S.	FLAT HEAD SCREW	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED	STER.	STERILIZER
BITUM.	BITUMINOUS	FIN.	FINISH(ED)			STL.	STEEL
BLDG.	BUILDING	F.I.O.	FURNISHED & INSTALLED BY OWNER	O.F.D.	OVERFLOW DRAIN	STOR.	STORAGE
BLK.	BLOCK or BLOCKING			OFF.	OFFICE	STRUCT.	STRUCTURAL
B.M.	BENCH MARK	F.J.	FORMED JOINT	O.F.C.	OVERFLOW SCUPPER	STS	SELF-TAPPING SCREW
BOT.	BOTTOM	FLASH.	FLASHING	O.H.S.	OVAL HEAD SCREW	SUB.	SUBSTITUTE
B.O.	BOTTOM OF	FLEX.	FLEXIBLE	OPNG.	OPENING	SUPT.	SUPERINTENDENT
BSMT.	BASEMENT	FLR.	FLOOR	OPP.	OPPOSITE	SUSP.	SUSPEND(ED)
B.U.R.	BUILT-UP ROOFING	FLUOR.	FLUORESCENT	O.R.S.	OFFICE OF REGIONAL SERVICES, D.S.A.	SYM.	SYMMETRICAL
C.TO C.	CENTER TO CENTER	F.O.C.	FACE OF CONCRETE			SYS.	SYSTEM
CAB.	CABINET	F.O.F.	FACE OF FINISH	O.H.	OVERHEAD	T.	TREAD
CAP.	CAPACITY	F.O.W.	FACE OF WALL	OZ.	OUNCE	T&G	TONGUE & GROOVE
C.B.	CATCH BASIN	F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	PARA.	PARALLEL	T&I	TESTING & INSPECTION
CEM.	CEMENT			PART.	PARTITION	THERM.	THERMOSTAT
CER.	CERAMIC	F.O.S.	FACE OF STUD	PART.BD.	PARTICLE BOARD	TB.	TACKBOARD
C.G.	CORNER GUARD	FP.	FIREPROOF	P.B.	PANIC BAR	TC.	TERRACOTTA
CH.	CHANNEL	F.S.	FULL SIZE	PC.	PIECE or POINT OF CURVATURE	TEL.	TELEPHONE
CH.B.	CHALK BOARD	FT.	FEET or FOOT	PERF.	PERFORATED	TEMP.	TEMPORARY or TEMPERATURE
C.I.	CAST IRON	FTG.	FOOTING	PERP.	PERPENDICULAR	TERR.	TERRAZZO
CITY	CITY OF SAN FRANCISCO	FURR.	FURRING	PL.	PLATE	T.H.B.	TEMPER HARD BOARD
C.J.	CONTROL JOINT	FUT.	FUTURE	P.L.	PROPERTY LINE	THK.	THICK
C.L.	CHAIN LINK	GA.	GAUGE	P-LAM.	PLASTIC LAMINATE	THRESH.	THRESHOLD
CLG.	CEILING	GAL.	GALLON	PLAS.	PLASTER	THRU.	THROUGH
CLKG.	CAULKING	GALV.	GALVONZIED	PLY.	PLYWOOD	TLT.	TOILET
CLOS.	CLOSET	G.B.	GRAB BAR	PNL.	PANEL	T.O.	TOP OF
CLR.	CLEAR	GEN.	GENERAL	POL.	POLISH(ED	TOP.	TOPPING
C.M.S.	COUNTERSUNK MACHINE SCREW	GL.	GLASS	P.O.A.	PATH OF TRAVEL	T.O.C.	TOP OF CONCRETE
		GND.	GROUND	P.PL.	POLISHED PLATE	T.O.S.	TOP OF STEEL
C.M.U.	CONCRETE MASONRY UNIT	GOVT.	GOVERNMENT	PR.	PAIR	T.M.E.	TO MATCH EXISTING
C.O.	CASED OPENING	GR.	GRADE	PRCST.	PPRECAST	T.P.	TOP OF PAVEMENT
COL.	COLUMN	G.S.M.	GALVANIZED SHEET METAL	PREFAB.	PREFABRICATE(D)	T.P.D.	TOILET PAPER DISPENSER
CONC.	CONCRETE	G.S.U.	GLAZED STRUCTURAL UNIT	PRELIM.	PRELIMINARY	T.S.	TUBE STEEL
CONN.	CONNECTION	G.W.B.	GYPSUM WALL BOARD	PROJ.	PROJECT or PROJECTION	T.V.	TELEVISION
CONT.	CONTINUOUS	GYM.	GYMNASIUM	PROP.	PROPERTY	T.W.	TOP OF WALL
CONST.	CONSTRUCTION	GYP.	GYPSUM	P.S.	PIPE STEEL	TYP.	TYPICAL
CONTR.	CONTRACTOR	H.	HIGH (DIM)	P.S.I.	POUNDS PER SQUARE INCH	U.H.	UNIT HEATER
CORR.	CORRIDOR	H.B.	HOSE BIB	P.S.F.	POUNDS PER SQUARE FOOT	UNFIN.	UNFINISHED
C.T.	CERAMIC TILE	H.C.	HOLLOW CORE	PT.	POINT	U.O.N.	UNLESS OTHERWISE NOTED
CTR.	CENTER	HDWD.	HARDWOOD	P.T.D.	PAPER TOWEL DISPENSER	U.O.S.	UNDERSIDE OF STEEL
CTSK.	COUNTERSINK(SUNK)	HDWE.	HARDWARE	P.T.D./R.	PAPER TOWEL DISPENSER & RECEPTACLE	UR.	URINAL
DP.	DEEP	HGT.	HEIGHT			U.	UNIT
D.A.	DOUBLE ACTING	H.M.	HOLLOW METAL	P.T.D.F.	PRESSURE TREATED DOUGLAS FIR	V.	VENTILATOR
DBL.	DOUBLE	HOL.	HOLLOW			VAR.	VARIES or VARIABLE
DEPT.	DEPARTMENT	HOR.	HORIZONTAL	P.T.R.	PAPER TOWEL RECEPTACLE	V.B.	VINYL BASE
DET.	DETAIL	H.P.	HIGH POINT	Q.T.	QUARRY TILE	V.C.T.	VINYL COMPOSITION TILE
D.F.	DRINKING FOUNTAIN	HR.	HOUR	QTR.	QUARTER	VERT.	VERTICAL
∅	DIAMETER	HT.	HEIGHT	R.	RISER	VEST.	VESTIBULE
DIAM.	DIAMETER	H.W.H.	HOT WATER HEATER	RAD.	RADIUS	V.G.	VERTICAL GRAIN
DIAG.	DIAGONAL	I.D.	INSIDE DIAMETER	R.B.	RUBBER BASE	VOL.	VOLUME
DIM.	DIMENSION	IN.	INCH	R.C.P.	REFLECTED CEILING PLAN	V.S.	VINYL SHEET
DISP.	DISPENSER	INCR.	INCREASE	R.D.	ROOF DRAIN	W.	WEST
DIV.	DIVISION	INFO.	INFORMATION	REC.	RECEIVE	W/	WITH
DG	DECOMPOSED GRANITE	INS.	INSULATION	REF.	REFERENCE	W/O	WITHOUT
DN.	DOWN	INT.	INTERIOR	REFA	REFRIGARATION	WAIN	WAINSCOT
DO.	DOOR OPENING	INV.	INVERT	REINF.	REINFORCED	W.C.	WATER CLOSET
DOM.	DOMESTIC	I.S.A.	INTERNATIONAL SYMBOL OF ACCESSIBILITY	REQD.	REQUIRED	W.C.A.	WHEEL CHAIR ACCESSIBLE
DP.	DAMPROOFING			RES.	RESILIENT	WD.	WOOD
DR.	DOOR	JAN.	JANITOR	RET.	RETURN	W.F.	WIDE FLANGE (STEEL)
DS.	DOWNSPOUT	JST.	JOIST	REV.	REVISED or REVISION	W.GL.	WIRE GLASS
D.S.P.	DRY STANDPIPE	JT.	JOINT	RFG.	ROOFING	WH.B.	WHITE BOARD
D.S.A.	DIVISION OF STATE ARCHITECT	K.O.	KNOCK OUT	RGTR.	REGISTER	W.I.	WHERE INDICATED
DWG.	DRAWING	K.P.	KICK PLATE	RHS.	ROUND HEAD SCREW	WIND.	WINDOW
DWR.	DRAWER	L.	LONG (DIM)	R.I.	RIGID INSULATION	W.O.	WHERE OCCURS
(E)	EXISTING	LAB.	LABORATORY	R.L.	RAIN LEADER (INTERIOR)	W.P.	WATERPROOF
E.	EAST	LAM.	LAMINATE(ED)	RM.	ROOM	W.S.	WEATHERSTRIP
EA.	EACH	LAV.	LAVATORY	RND.	ROUND	WT.	WEIGHT
E.B.	EXPANSION BOLT	LIN.	LINEAR	R.O.	ROUGH OPENING	W.W.M.	WELDED WIRE MESH
E.J.	EXPANSION JOINT	LKR.	LOCKER	RSP	RESOURCE SPECIALIST CLASSRM	Y.D.	YARD DRAIN
EL.	ELEVATION	LT.	LIGHT	RUB.	RUBBER		

GENERAL NOTES CON'T.

32. COMPLIANCE WITH CFC CHAPTER 33, "FIRE LIFE SAFETY DURING CONSTRUCTION AND DEMOLITION" AND CBC CHAPTER 33 WILL BE ENFORCED.

33. THE CONTRACT DOCUMENTS, INCLUDING THE SPECIFICATIONS, PLANS, AND DRAWINGS, ARE COMPLEMENTARY AND WHAT IS CALL FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL. IN CASE OF CONFLICT, LARGE SCALE DRAWINGS SHALL GOVERN OVER SMALL-SCALE DRAWINGS, THE SPECIFICATIONS SHALL GOVERN OVER BOTH THE CONSTRUCTION PROCEDURES MANUAL AND THE CONTRACT DRAWINGS EXCEPT AS NOTED HEREIN BELOW, SPECIAL PROVISIONS SHALL GOVERN OVER BOTH THE CONTRACT DRAWINGS AND THE GENERAL CONDITIONS, AND SUBSEQUENT ADDENDA. INTERPRETATIONS, OR CHANGE ORDERS SHALL GOVERN OVER THE ORIGINAL DOCUMENTS, UNLESS A DIFFERENT ORDER OF PRECEDENCE IS NOTED ELSEWHERE IN CONJUNCTION WITH A SPECIFIC PORTION OF THE DOCUMENTS.
    33.1. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE DOCUMENT CONTAINING ADDITIONAL QUANTITIES SHALL GOVERN IN MATTERS OF QUANTITY, THE DOCUMENT REQUIRING A HIGHER DEGREE OF QUALITY SHALL GOVERN IN MATTERS OF QUALITY. IN CASE OF CONFLICT WITHIN THE DRAWINGS INVOLVING QUANTITIES OR WITHIN THE SPECIFICATIONS INVOLVING QUALITY, THE GREATER QUANTITY AND THE HIGHER QUALITY SHALL BE FURNISHED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL SUCH QUANTITY AND QUALITY CONFLICTS AND SHALL AGREE UPON RESOLUTION, IN WRITING, PRIOR TO PROCEEDING.
    33.2. WHERE ON ANY DRAWING A PORTION OF THE WORK IS DRAWN OUT THE REMAINDER IS INDICATED IN OUTLINE, THE DRAWN-OUT PARTS SHALL APPLY TO ALL OTHER LIKE PORTIONS OF THE WORK. WHERE ORNAMENT OR OTHER DETAIL IS INDICATED AS STARTING, SUCH DETAIL SHALL BE CONTINUED THROUGHOUT THE COURSES OR PARTS IN WHICH IT OCCURS AND SHALL ALSO APPLY TO OTHER SIMILAR PARTS IN THE WORK, UNLESS OTHERWISE NOTED.

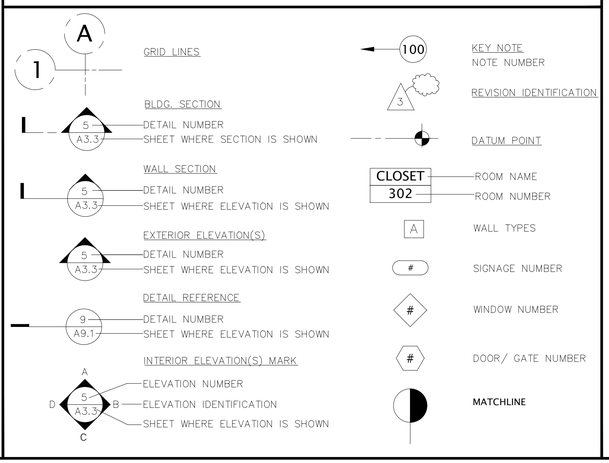
34. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS, ORDINANCES, AND STATUTES SPECIFIED IN SECTION 11017 OF THE GOVERNMENT CODE. THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY IT'S OPERATIONS. THE CONTRACTOR SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. CONSTRUCTION DEBRIS AND WASTE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND DISPOSE OF AT AN APPROPRIATE SITE. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL CLEAN THE BUILDING.

APPLICABLE CODES

California Code of Regulations Title 24 (CCR):
- 2022 California Administrative Code (CAC), Part 1
- 2019 California Building Code (CBC), Part 2, (2018 International Building Code, Vol. 1&2 and 2019 California Amendments)
- 2019 California Electrical Code (CEC) ,Part 3, (2017 National Electrical Code and 2019 California Amendments)
- 2019 California Mechanical Code (CMC), Part 4, (2018 IAPMO Uniform Mechanical Code and 2019 California Amendments)
- 2019 California Plumbing Code (CPC),Part 5, (2018 IAMPO Uniform Plumbing Code and 2019 California Amendments)
- 2019 California Energy Code (CEnC), Part 6
- 2019 California Fire Code (CFC), Part 9 (2018 International Fire Code and 2019 California Amendments)
- 2019 California Green Building Standards Code (CALGreen), Part 11
- 2019 California Referenced Standards Code, Part 12
- Title 19, Public Safety, State Fire Marshal Regulations
- 2010 ADA Standards for Accessible Design

2017 NFPA 17 Standard for Dry Chemical Extinguishing Systems
2016 NFPA 24 Standard for the Installation of Private Fire Service Mains and their Appurtenances
2016 NFPA 72 National Fire Alarm and Signaling Code (and CA Amendments)
2003 UL 464 Audible Signaling Devices for Fire Alarm and Signaling Systems Including Accessories
1999 UL 521 Standards for Heat Detectors for Fire Protective Signaling Systems
2018 UL 1971 Signaling Devices for the Hearing Impaired

LEGEND



GENERAL NOTES

1. COORDINATE LAYOUT DIMENSIONS INDICATED ON THE STRUCTURAL, ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS WITH THOSE INDICATED ON THE ARCHITECTURAL DRAWINGS. REPORT ALL DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

2. ALL WORK IS SHOWN, DESCRIBED, OR SPECIFIED IN THE DRAWINGS INDEXED ON THE TITLE PAGE (T1) OR IN THE SPECIFICATIONS.

3. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS ON THE PROJECT SITE BEFORE THE WORK BEGINS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING DEMOLITION REQUIREMENTS IN RELATION TO THE CONTRACT DOCUMENTS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES TO THE CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS BEFORE CONSTRUCTIONS BEGINS.

4. EXISTING CONDITIONS SHOWN ON THE DRAWINGS WERE OBTAINED FROM OWNER-PROVIDED ARCHIVE DRAWINGS. VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ALL DEVIATIONS BEFORE PROCEEDING WITH THE WORK.

5. PLUM ARCHITECTS HAS PREPARED THESE CONSTRUCTION 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, PLUM 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. ITEMS INDICATED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK. ITEMS ARE ALWAYS TO BE VERIFIED FOR DESIGN INTENT AND COMPATIBILITY WITH APPROPRIATE BUILDING CODES.

7. NOT USED

8. ADEQUATE ENGINEERING OBSERVATION AND TESTING SHALL BE PROVIDED DURING CONSTRUCTION BY INSPECTOR OF RECORD PER TITLE 24.

9. DO NOT SCALE DIMENSIONS FROM DRAWINGS. 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, UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.

11. ONLY WORK SO NOTED IS NOT IN CONTRACT. WORK DESCRIBED AS NOT IN CONTRACT SHALL NOT BE CONSTRUED AS DSA-APPROVED AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH CURRENT CODE.
12.
13. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.

14. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONTRACT DOCUMENTS IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODES OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED THAT IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT AND BY DSA BEFORE PROCEEDING WITH THE WORK.

15. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED DURING THE COURSE OF THE WORK SHALL BE PROMPTLY REPAIRED. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED FOR WHICH LOCATIONS WERE UNKNOWN, SHALL BE IMMEDIATELY BROUGHT TO THE OWNER'S AND ARCHITECT'S ATTENTION AND PROMPTLY REPAIRED AT HIS/HER DIRECTION. THE WORK REQUIRED TO REPAIR DAMAGED EXISTING UTILITIES AND IMPROVEMENTS FOR WHICH LOCATIONS WERE UNKNOWN WILL BE REVIEWED AND TAKEN UNDER CONSIDERATION AS EXTRA WORK.

16. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND SERVICE NECESSARY FOR ALL WORK SHOWN, PRESCRIBED, OR REASONABLY IMPLIED, BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS. WHERE WORK OR EQUIPMENT IS INDICATED N.I.C. (NOT IN CONTRACT), SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATIONS. ALL REQUESTS FOR CLARIFICATIONS OF THESE DRAWINGS SHALL BE DIRECTED TO PLUM ARCHITECTS. ALL REQUIRED WORK SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES ON THE PROJECT. ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL TRADES COORDINATE INTERFACE BETWEEN THEMSELVES.

17. WORK BY OTHERS, OWNER MAINTENANCE PROJECTS, AND OTHER WORK ON THE SITE MAY OCCUR CONCURRENT WITH THE WORK OF THE CONTRACT. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CONCURRENT WORK ON THE SITE. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS THAT ARISE BETWEEN THE CONTRACT WORK AND THE CONCURRENT WORK ON THE SITE.

18. USE OF MATERIALS CONTAINING ASBESTOS OR OTHER HAZARDOUS MATERIALS IS PROHIBITED.

19. THE TERM "TYPICAL" (TYP) SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS WITHIN THE BOUNDARIES OF THIS PROJECT.

20. THE CONTRACTOR SHALL MAINTAIN THE PUBLIC RIGHT OF WAYS, SIDEWALKS, CORRIDORS, ETC., AFFECTED BY THE CONSTRUCTION, AND KEEP THESE AREAS FREE OF ALL SOIL, DEBRIS, TRASH, ETC. ON A DAILY BASIS. CLEAN EGRESS SHALL BE MAINTAINED AT ALL TIMES FOR ALL ADJACENT BUILDING TENANTS, THEIR EMPLOYEES, AND GUESTS. CONSTRUCTION DEBRIS AND WASTE SHALL BE DEPOSITED AT AN APPROPRIATE SITE. THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY IT'S OPERATIONS. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL CLEAN BUILDING AND LEAVE THE WORK "READY FOR MOPPING AND WAXING."

21. NO EXTRA WORK, CHANGES OR DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS SHALL BE MADE UNLESS WRITTEN AND COUNTERSIGNED BY THE ARCHITECT AND OWNER OR WRITTEN ORDER FROM THE ARCHITECT IS OBTAINED. THIS ORDER SHALL STATE THAT THE OWNER HAS AUTHORIZED THE EXTRA WORK OR CHANGE AND NO CLAIM FOR AN ADDITIONAL SUM SHALL BE VALID UNLESS SO PRESENTED AS DESCRIBED ABOVE. THE WRITTEN ORDER IS SUBJECT TO APPROVAL BY THE GOVERNING REGULATORY AGENCIES.

22. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SUPPLY AND DISTRIBUTE ADEQUATE COPIES OF ALL DRAWINGS TO ALL TRADES FALLING UNDER THEIR RESPONSIBILITY AT ALL TIMES DURING THE PROGRESS OF THE JOB (I.E. REVISIONS.)

23. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND APPROVALS OF SUBSTITUTED MATERIALS AS REQUIRED BY THE GOVERNING CODES AND AGENCIES.

24. THE CONTRACTOR SHALL SUBMIT ALL PERTINENT SHOP DRAWINGS AND COLOR SAMPLES FOR THE ARCHITECT'S REVIEW. ALLOWING ADEQUATE TIME FOR REVIEW AND CORRECTIVE ACTION, SHOULD IT BE REQUIRED. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR THEREBY REPRESENTS THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS, METHODS OF ACCESS TO THE POINT OF INSTALLATION AND SIMILAR FILED CRITERIA FOR ALL PREFABRICATED ASSEMBLIES OTHER THAN BUILDING STANDARDS WORK. THE ARCHITECTS APPROVAL OF THE SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DOCUMENTS UNLESS HE HAS IN WRITING CALLED THE ARCHITECT'S ATTENTION TO SUCH DEVIATIONS AS THE TIME OF THE SUBMISSION. NOR SHALL IT RELIEVE HIM OF THE RESPONSIBILITY FOR ERRORS OF ANY SORT IN THE SHOP DRAWINGS.

25. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK MATERIALS IN CONFORMANCE WITH CONTRACT DOCUMENTS AND ANY CODES OF FEDERAL, STATE, COUNTY, OR MUNICIPALITY HAVING JURISDICTION OVER SUCH WORK. ALL APPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED THE SAME AS IF NOTED ON THE DRAWINGS. CONFLICTS BETWEEN WORK SET FORTH ON THE DRAWINGS AND BUILDING CODES, LAWS, OR REGULATIONS NOTED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.

26. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF SATISFACTORY COMPLETION, AND OPERATIONS AND MAINTENANCE INSTRUCTIONS OF ALL EQUIPMENT TO THE OWNER AND TENANT.

27. NOT USED

28. STRUCTURAL DRAWINGS GOVERN FOR SPACING AND SIZING FOR ALL STRUCTURAL MEMBERS, REINFORCING AND INSTALLING DETAILS.
29. NOT USED

30. CONTRACTOR TO REPAIR AND PATCH ALL AREAS DISTURBED DUE TO THIS PROJECTS'S SCOPE OF WORK.

31. ACCESSIBLE ROUTE OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE ROUTE OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE ROUTE OF TRAVEL.

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Revisions
PROGRESS SET 06/07/23
BID SET 06/16/23

Project 2313
Child Nutrition Services Greenhouse

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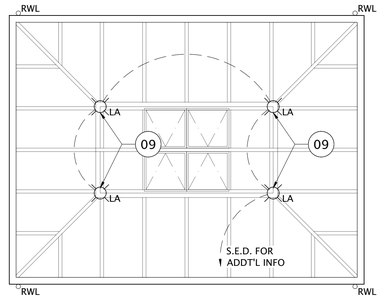
Pittsburg, CA 94565

Pittsburg Unified School District

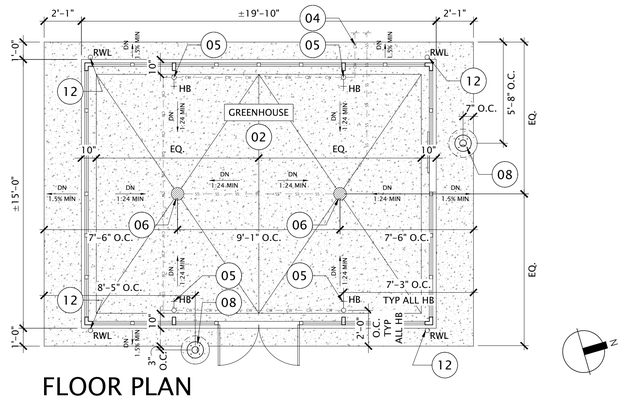
Sheet
GENERAL NOTES & ABBREVIATIONS

A1.01

Date
June 14, 2023



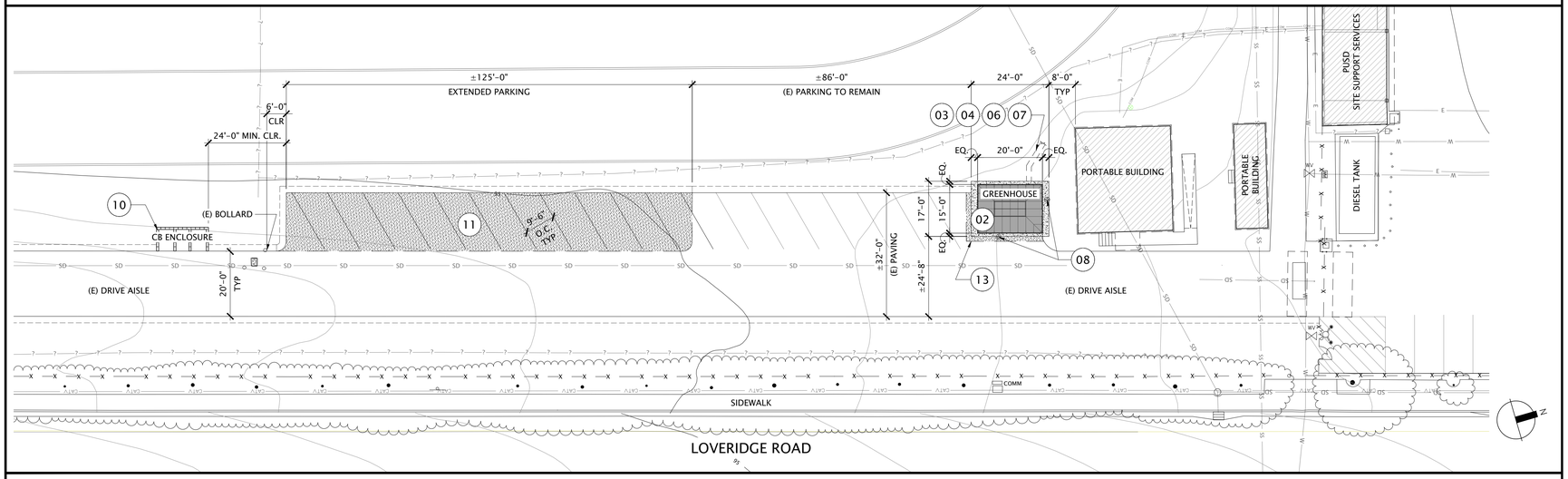
ROOF & REFLECTED CEILING PLAN



FLOOR PLAN

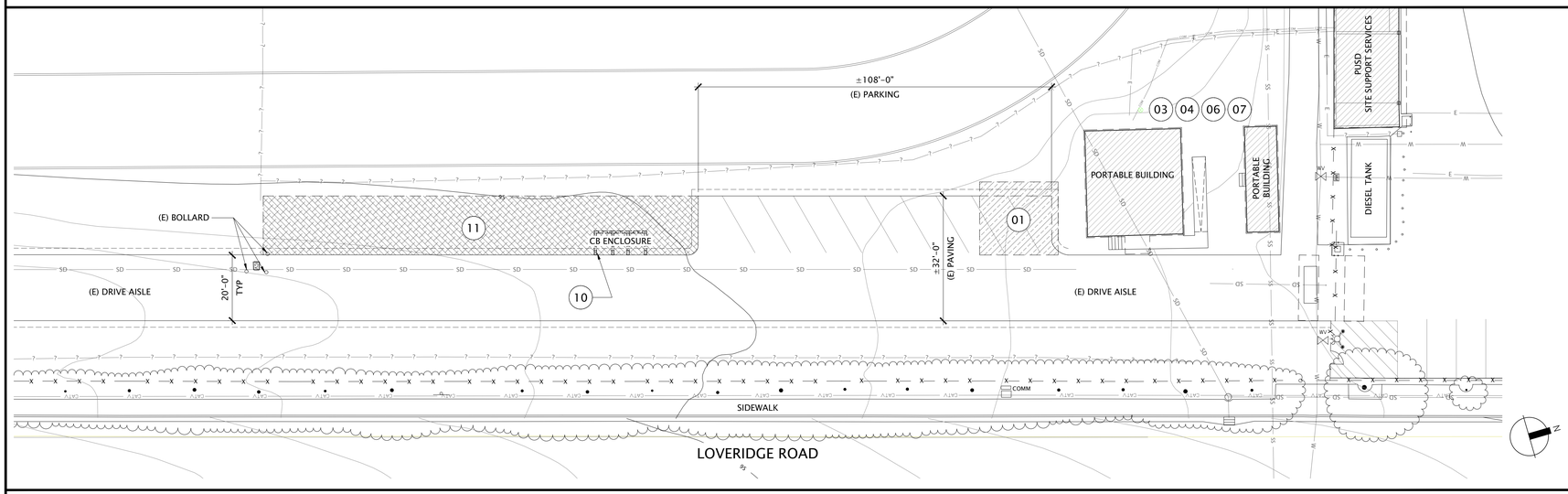
GREENHOUSE PLANS

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



ENLARGED PROPOSED SITE PLAN

SCALE:1"=20'-0"



ENLARGED SITE DEMOLITION PLAN

SCALE:1"=20'-0"

SHEET NOTES

A. ALL ITEMS SHOWN, NOTED, SPECIFIED, AND/OR SCHEDULED ARE DESIGN-BUILD TO BE PURCHASED, PROCURED AND INSTALLED BY CONTRACTOR TO BE COMPETE AND FULLY FUNCTIONING AND FINISHED UNLESS SPECIFIED TO BE OWNER/DISTRICT PURCHASED CONTRACTOR INSTALLED (OPCI).

B. ANY ITEM SHOWN GRAPHICALLY, BUT NOT SPECIFICALLY NOTED SHALL BE CONSIDERED PART OF THE SCOPE OF WORK AS IF NOTE.

C. CONTRACTOR TO PROVIDE BONDING FOR WATER AND GAS PIPING.

PLAN KEYNOTES

01 REMOVE EXISTING ASPHALT PAVING & SUBBASE. EXCAVATE TO 12IN FOR FOUNDATION AND SLAB, SSD. COMPACT SUBGRADE TO 90% THEN INSTALL ENGINEERED FILL IN 3IN LIFTS COMPACTED TO 95%. PROVIDE & INSTALL 15MIL VAPOR BARRIER BELOW SLAB.

02 DISTRICT-PURCHASED, CONTRACTOR-STALLED GREENHOUSE O/ CONC. S.O.G., SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION. GC TO DELIVER OPCI GREENHOUSE AND ALL COMPONENTS FROM DISTRICT WAREHOUSE TO SITE AND ERECT PER MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS. GREENHOUSE IS A EXACO JANSSENS CATHEDRAL GREENHOUSE WITH CUPOLA. THE DOUBLE HINGED DOORS (59.5" WIDE) WILL BE INSTALLED AT THE EAST SIDE OF THE GREENHOUSE FACING LOVERIDGE ROAD, WHILE THE SINGLE SLIDING DOOR (28" WIDE) WILL BE INSTALLED AT THE NORTH SIDE OF THE GREENHOUSE.

03 EXTEND ELECTRICAL & DATA FROM ADJACENT PORTABLE TO GREENHOUSE, S.E.D.

04 PROVIDE AND INSTALL A 1IN COLD WATER SUPPLY LINE TO THE GREENHOUSE. FIND, TAP IN, AND CONNECT TO UNDERGROUND WATER LINE AT BACK OF EXISTING PORTABLE AND EXTEND UNDERGROUND TO GREENHOUSE WITH A 1IN WATER LINE. TRENCH SHALL BE 18IN DEEP x 12IN WIDE WITH 3IN BASE AND BACKFILLED TO 95%.

05 PROVIDE AND INSTALL HOSE BIBB CONNECTED TO COLD WATER LINE. TYPICAL OF FOUR (4) WITH KEYED HANDLE.

06 PROVIDE AND INSTALL 9IN DIA. FLOOR DRAIN IN SLAB, (ZURN Z551-Y, MEDIUM-DUTY DRAIN W/ SEDIMENT BUCKET), TYP OF TWO (2). SLOPE SLAB TO DRAIN MIN 1:24. CONNECT TO AND EXTEND SS LINE TO EXISTING SEWER LOCATED BEHIND EXISTING ADJACENT PORTABLE. TRENCH SHALL BE 18IN DEEP x 12IN WIDE WITH 3IN BASE AND BACKFILLED TO 95%.

07 PROVIDE AND INSTALL ELECTRICAL LIGHTING, POWER & DATA, SED.

08 PROVIDE AND INSTALL EXTERIOR POST LIGHTING INCLUSIVE OF A 12IN DEEP x 16IN DIAMETER CONCRETE FOUNDATION AT ENTRY, FLINDT GARDEN BOLLARD IN SIZE LONG (27.4INH) WITH BASE PLATE & ANCHOR W/O ADAPTOR, 2700K, FINISH "CORTEN" (TYP OF 2); https://www.designpublic.com/products/christian-flindt-flindt-garden-bollard-louis-poulsen

09 PROVIDE AND INSTALL TO UNDERSIDE OF CATHEDRAL FRAME 2700K DAMP-LISTED WILCOX LED DEEP BOWL PENDANT LIGHT (16IN DIA.), FINISH "JADITE", (TYP OF 4) S.E.D. MODEL: LE-C-DBW16-355-SWH-355-NA-NA-NA-NA-LED27-2700K-DL https://www.barnlight.com/led-lighting/ceiling-lights/cord-hung-pendant-lighting/wilcox-deep-bowl-led-pendant-light/

10 REMOVE & RELOCATE THE CONCRETE BLOCKS THAT MAKE UP THREE (3) STORAGE BINS FOR LANDSCAPING MATERIALS, WHICH ARE CURRENTLY IN THE WAY OF THE ADDED AC PAVING WORK, TO THE SOUTH OF THE SOUTHERN END OF THE NEW AC PAVING WORK AS DIRECTED BY THE DISTRICT. GC SHALL THEN RESET THE CONCRETE BLOCKS IN ORDER TO RECREATE THE THREE (3) STORAGE BINS, AS WELL AS FURNISH & INSTALL A 6IN COMPACTED AB BASE LAYER WITHIN EACH ONE OF THE BINS.

11 PROVIDE & INSTALL NEW PARKING LOT. CLEAR AND GRUB EXISTING LANDSCAPED AREA. EXCAVATE TO 12IN BELOW FINISH GRADE, COMPACT SUB-BASE TO 90%. PROVIDE & INSTALL 8IN AB ROCK COMPACTED TO 95% IN LIFTS OF 4IN THEN PROVIDE AND INSTALL 4IN AC PAVING THEN STRIPE; ALL PER CALTRANS STANDARDS.

12 PROVIDE & INSTALL AT-GRADE PRE-CAST CONCRETE SPLASH PAD AT MANUFACTURER-SUPPLIED RAINWATER LEADERS/DOWNSPOUTS

13 FEATHER TRANSITION FROM T.O. CONCRETE SLAB ON GRADE TO EXISTING ADJACENT ASPHALT PAVING AT PARKING, MAX 4.9% SLOPE WITH MAX 1.9% CROSS-SLOPE

LEGEND

- EXISTING SITE BUILDING TO REMAIN
- (E) LANDSCAPING TO BE CLEARED, SEE KEYNOTES ABV
- OUTLINE OF PROPOSED STRUCTURE
- (E) ASPHALT PAVING TO BE REMOVED, SEE KEYNOTES ABV
- AREA OF PROPOSED CONCRETE S.O.G., S.S.D.
- AREA OF PROPOSED ASPHALT PAVING, S.S.D.
- LA — DAMP-LISTED PENDANT, S.E.D.
- BOLLARD BASE / DIRECTION OF BEAM — EXT.-RATED BOLLARD LIGHTING, S.E.D.
- HB — EXT.-RATED SINGLE-POLE SWITCH, S.E.D.
- 05 — KEYNOTE, SEE ABOVE

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Revisions
PROGRESS SET 06/07/23
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Project 2313
Child Nutrition Services Greenhouse

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Pittsburg Unified School District

Sheet
GREENHOUSE PLAN & ENLARGED SITE PLANS

A1.02

Date
June 14, 2023

A GENERAL NOTES

1. Structural Design Group is the Engineer for the foundation ONLY. Engineering and plans for the structure are the responsibility of the manufacturer.

B FOUNDATION NOTES

1. All soils work shall be done in accordance with the specifications and Chapter 18 of the 2022 CBC. Foundation design pressures are 1500 psf DL + LL. All foundations shall bear on compacted subgrade as specified in the Architectural drawings at or exceeding depths shown on the drawings. All footing excavations shall be as neat as practical. Over-excavations in depth shall be filled with concrete, and in width may be filled with lean concrete or compacted approved backfill. All loose soils shall be removed from excavations prior to placement of reinforcing or concrete.
2. Typical Interior Slab: 5" concrete reinforced with #4 @ 16"oc each way located 2" clear from top of slab over 4" minimum free-draining, compacted crushed rock over 15 mil Stego-Wrap vapor barrier over compacted subgrade as specified in the Architectural drawings. Omit vapor barrier at exterior slabs.
3. Provide control joint per plan and 8/- (10'-0"oc max. UNO). If slab is to be constructed with multiple pours, provide construction joints between alternate strips per 7/-. Allow 24 hours min. between pour of alternate strips and closing strip. Install construction joints at face of studs of wall where possible. Submit joint layout plan for review prior to placement.

C STRUCTURAL SPECIFICATIONS

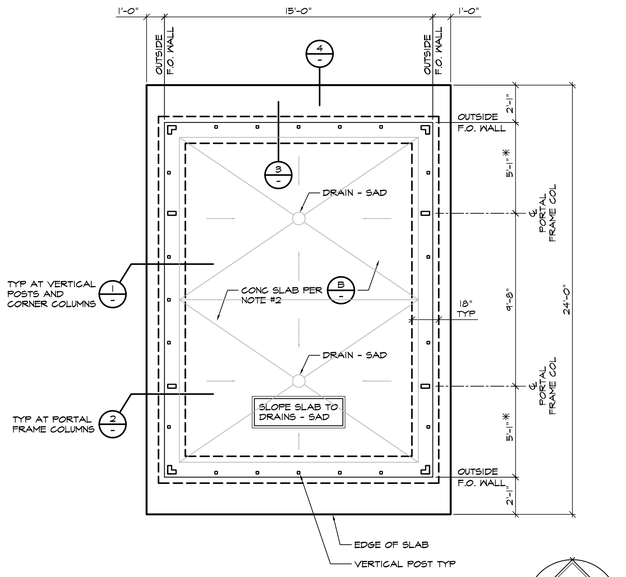
Concrete Construction

1. Concrete shall be hard rock concrete (5 sack cement per cu yd min.) and meet the following minimum ultimate compressive strengths at 28 days:

Location	Min. Strength 28 Days PSI	Aggregate Size-inches	Slump, Inches	Tolerance	Max. W/C Ratio
Slab on Grade	3,000 *	1" x #4	3½"	+½"	0.46
Foundations	3,000 *	1" x #4	3½"	+½"	-

*: Design based on 2500 PSI.

2. Concrete mix design and testing shall meet the requirements of Section 1903, 1704 and 1705 of the 2022 CBC, Chapter 19 and 26 of ACI 318, and these specifications. Cement to be in accordance with ASTM 150 type II.
3. Reinforcing steel shall conform to ASTM A-615, Grade 60 and Grade 40 for all ties. Steel shall be kept clean and free of rust. Submit shop drawings for review prior to installation.
4. Slabs, beams, walls and other concrete shall be kept continuously wet for 48 hours, after placement, and shall be kept damp for 7 days after placement. Slabs shall have cure/sealer applied immediately after finishing if other finishes are not attected. When cure sealer can not be applied, slab shall be kept continuously wet or covered with curing paper. Cure shall be of a type that will not be detrimental to sealers to be applied later.



FOUNDATION PLAN

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

NOTES:

*: CONFIRM / COORDINATE DIMENSION WITH GREENHOUSE MANUFACTURER.

NORTH

MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 2500 PSI OR GREATER - (STAGGER SPLICES)					
SIZE/GD	LAP LENGTH	SIZE/GD	LAP LENGTH	SIZE/GD	LAP LENGTH
#3/40	18"	#6/60	38"	#9/60	84"
#4/60	25"	#7/60	64"	#10/60	105"
#5/60	33"	#8/60	78"	#11/60	125"

CLASS 'B' LAP SPLICES MINIMUM BAR SPACING GREATER OF 4x BAR DIAMETER & 4" MIN. USE 1.3 x LAP AT TOP BARS (TOP BARS ARE HORIZONTAL BARS W/ MORE THAN 12" OF FRESH CONCRETE CAST BELOW)

CONCRETE COVER FOR REINFORCING STEEL ..... 'CLR'

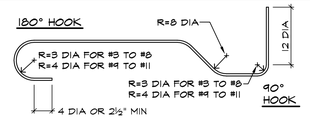
CAST AGAINST EARTH OR GRADE ..... 3"

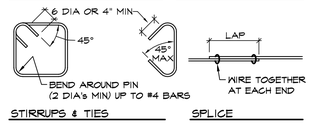
EXPOSED TO EARTH (FORMED) OR WEATHER
#5 & SMALLER ..... 1½"
#6 & LARGER ..... 2"

NOT EXPOSED TO EARTH OR WEATHER
#5 & SMALLER ..... 1"
#6 & LARGER ..... 1½"

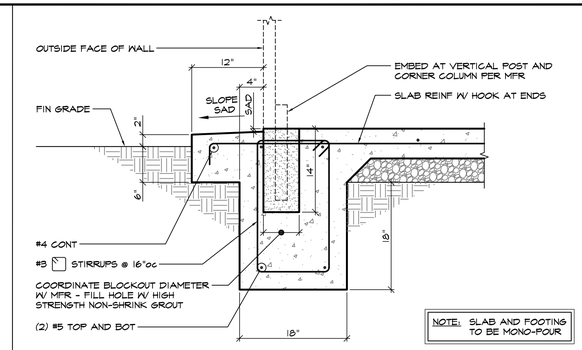
SLABS - FROM TOP OF CONC ..... 2"

ALL REINFORCING BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN A STANDARD 90° or 180° HOOK UNLESS DETAILED OTHERWISE





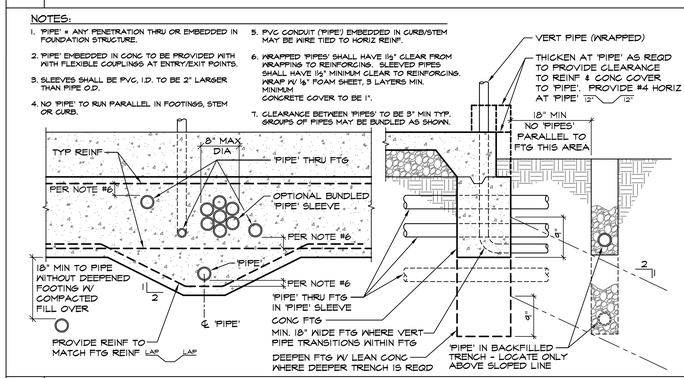
5 TYPICAL REINFORCING DETAILS



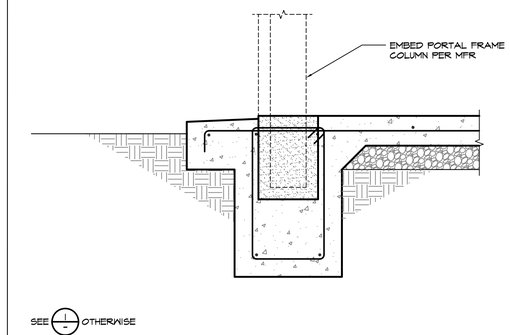
1 -

NOTES:

1. 'PIPE' = ANY PENETRATION THRU OR EMBEDDED IN FOUNDATION STRUCTURE.
2. 'PIPE' EMBEDDED IN CONC TO BE PROVIDED WITH WITH FLEXIBLE COUPLINGS AT ENTRY/EXIT POINTS.
3. SLEEVES SHALL BE PVC, I.D. TO BE 2" LARGER THAN PIPE O.D.
4. NO 'PIPE' TO RUN PARALLEL IN FOOTINGS, STEM OR CURB.
5. PVC CONDUIT ('PIPE') EMBEDDED IN CURB/STEM MAY BE WIRE TIED TO HORIZ REINF.
6. WRAPPED 'PIPES' SHALL HAVE 1½" CLEAR FROM WRAPPING TO REINFORCING. SLEEVED PIPES SHALL HAVE 1½" MINIMUM CLEAR TO REINFORCING. WRAP W/ ⅛" FOAM SHEET, 3 LAYERS MIN. MINIMUM CONCRETE COVER TO BE 1".
7. CLEARANCE BETWEEN 'PIPES' TO BE 3" MIN TYP. GROUPS OF PIPES MAY BE BUNDLED AS SHOWN.



6 TYPICAL PIPE THRU FOOTING DETAIL



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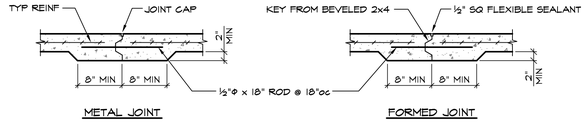
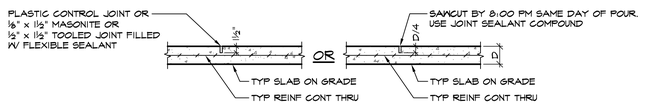
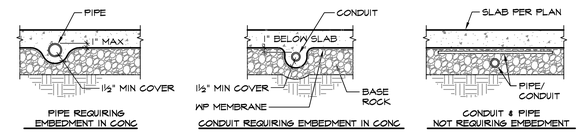


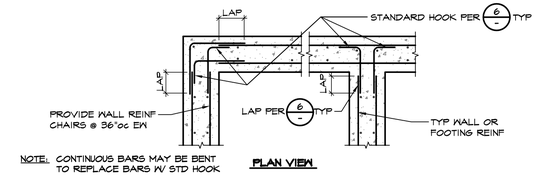
7 CONSTRUCTION JOINT (SLAB ON GRADE)



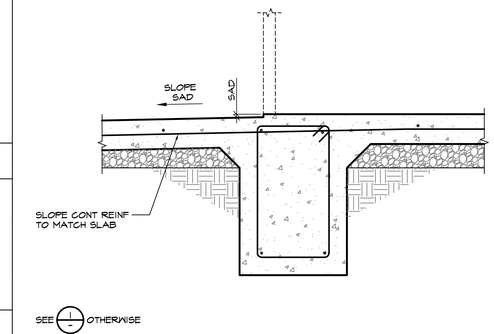
8 CONTROL JOINT (SLAB ON GRADE)



9 CONDUIT & PIPE AT SLAB



10 CONCRETE REINFORCING



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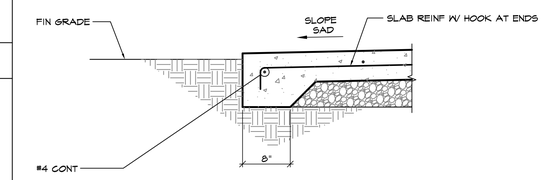

4 -

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Project No. 23054

REGISTERED PROFESSIONAL ENGINEER RICHARD D. BURD No. S Exp. 9-30-24 STRUCTURAL STATE OF CALIFORNIA

Revisions

Project 2313

Child Nutrition Services Greenhouse

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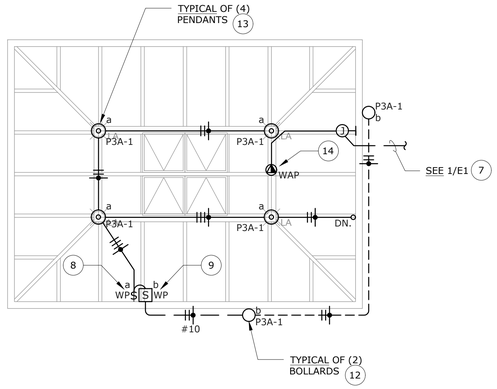
Pittsburg Unified School District

Sheet

FOUNDATION PLAN, GENERAL NOTES AND SPECIFICATIONS, STANDARD DETAILS

S1.0

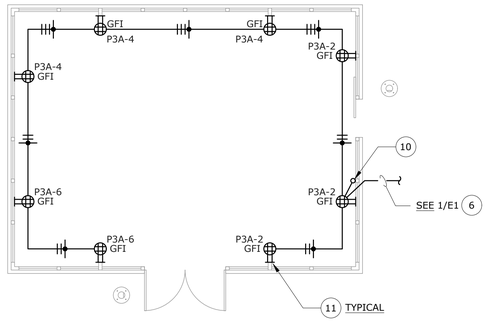
Date
June 7, 2023



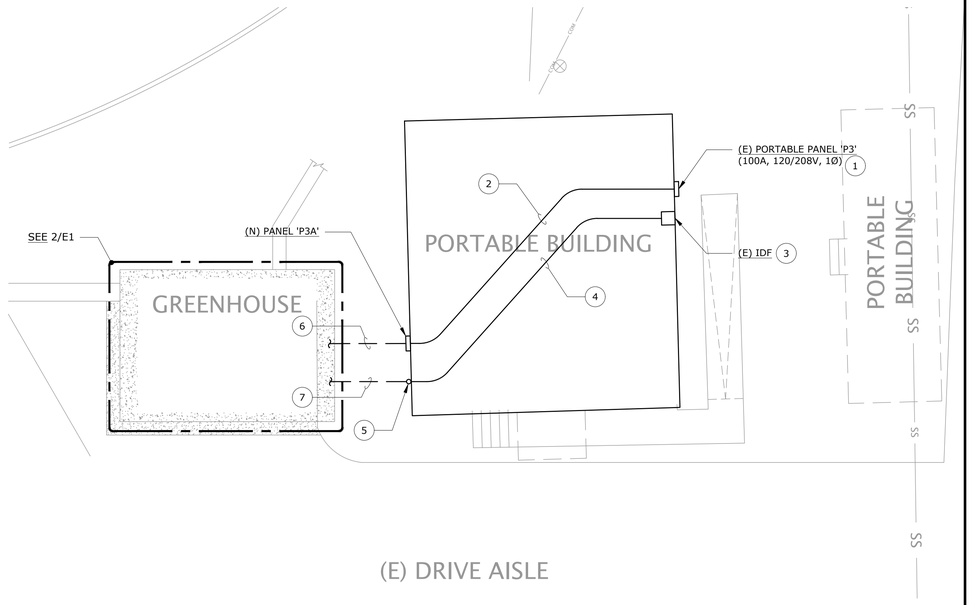
ENLARGED PLAN - ELECTRICAL & LIGHTING

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

2 / E1



REF. NORTH



SITE PLAN - ELECTRICAL

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

1 / E1

REF. NORTH

PANEL P3A

VOLTS: 120 / 240 V
PHASE: 1 PH
WIRE: 3 W
BUSSING: 100A
POLES: 12P

PROVIDE LABEL ON PANEL: "GREENHOUSE PANEL P3A
60A, 120/208V, 1-PHASE
(FED FROM PANEL P3 AT PORTABLE)"

MAIN BRKR: 60A/2P MAIN
FEEDER: SEE SINGLE LINE
CONDUIT: SEE SINGLE LINE
MOUNTED: NEMA 3R
AIC RATING: 10KAIC

LOAD DESCRIPTION	TYPE	A	B	BRKR.	CKT.	CKT.	BRKR.	A	B	TYPE	LOAD DESCRIPTION
LIGHTING	L	1.00		20/1	1	2	20/1	1.08		R	RECEPTACLES - NORTH
S P A C E					3	4	20/1		1.08	R	RECEPTACLES - EAST
S P A C E					5	6	20/1	0.72		R	RECEPTACLES - S/E
S P A C E					7	8	20/1				SPARE
S P A C E					9	10	20/1				SPARE
S P A C E					11	12	20/1				SPARE
		1.00	0.00					1.80	1.08		

DEMAND LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MISC. LOADS	0.00	100%	0.00
TYPE "L": LIGHTING / CONTINUOUS LOADS	1.00	125%	1.25
TYPE "R": RECEPTACLES (FIRST 10KVA)	2.88	100%	2.88
TYPE "R": RECEPTACLES (OVER 10KVA)	0.00	50%	0.00
TYPE "H": HVAC / MECHANICAL LOADS	0.00	100%	0.00
TOTALS:	3.88		4.13

PHASE A: 2.80 **KVA**
PHASE B: 1.08 **KVA**

23.33 **MAX AMPS / PHASE**

NUMBERED SHEET NOTES

1. PROVIDE ND INSTALL (N) 60A/2P BREAKER IN (E) AVAILABLE SPACE P3-22/24. NEW BREAKER TO MATCH (E) IN MANUFACTURER AND AIC RATING (CHALLENGER, 10KAIC). UTILIZE FOR (N) SUB-PANEL 'P3A' FEEDER.
2. PROVIDE AND INSTALL (N) 60A FEEDER (3#6+1#10G IN 3/4" CONDUIT) OVERHEAD ABOVE CEILING IN PORTABLE, TO FEED (N) PANEL 'P3A'.
3. UTILIZE (E) PATCH PANEL AT (E) IDF FOR (N) STATION CABLE EXTENSION TO GREENHOUSE. TERMINATE (N) CABLE (PER NOTE 4) TO SPARE SPACE ON (E) PATCH PANEL.
4. PROVIDE AND INSTALL (N) CAT 6A UTP (INDOOR/OUTDOOR RATED) ETHERNET CABLE, OVERHEAD ABOVE CEILING IN PORTABLE (ON J-HOOKS), TO FEED NEW GREENHOUSE WIRELESS ACCESS POINT ROUTER.
5. TRANSITION DOWN EXTERIOR WALL TO UNDERGROUND WITH 1" EMT, PAINTED TO MATCH WALL SURFACE.
6. TRANSITION UNDERGROUND WITH 1" SCHEDULE 40 PVC BETWEEN PORTABLE AND GREENHOUSE, FOR BRANCH CIRCUITS INDICATED.
7. TRANSITION UNDERGROUND WITH 1" SCHEDULE 40 PVC BETWEEN PORTABLE AND GREENHOUSE, FOR WI-FI NETWORK CABLE.
8. 1P SWITCH AT +48" A.F.F. WITH WEATHER-PROOF SWITCH ACTUATOR (LEVITON #WM1S-GY OR EQUAL), SURFACE MOUNTED 1-GANG CAST ALUMINUM GREY J-BOX.
9. ASTRO-DIAL TIMECLOCK / MANUAL SWITCH (LEGRAND #RT-200 OR EQUAL), WITH WEATHER-PROOF COVER LABELED "EXTERIOR LIGHTS". MOUNT AT +48" A.F.F. IN 1-GANG CAST ALUMINUM GREY J-BOX. PROGRAM FOR 38 DEGREES NORTH LATITUDE AND AUTOMATIC ON TIME FOR 15 MINUTES BEFORE SUNSET. PROGRAM FOR AUTOMATIC OFF TIME IN EVENING, AS DETERMINED BY DISTRICT.
10. TRANSITION UP MULLION WITH 1/2" EMT, PAINTED TO MATCH MULLION FINISH, FOR LIGHTING BRANCH CIRCUIT TO ABOVE.
11. SURFACE MOUNTED 2-GANG CAST ALUMINUM GREY J-BOX WITH DOUBLE DUPLEX TAMPER-PROOF GFCI RECEPTACLES UNDER WEATHER-PROOF COVER, AT +18" A.F.F.. FEED WITH 1/2" SURFACE MOUNTED EMT, PAINTED TO MATCH MULLION SURFACE.
12. EXTERIOR NON-DIM LED BOLLARD LIGHT FLANKING GREENHOUSE ENTRY DOORS; LOUIS POULSEN FLINDT GARDEN BOLLARD, LONG (27.4"H), 2700K, 7 WATT LED, MOUNTED ON CONCRETE BASE (FINISH TO BE SELECTED BY ARCHITECT). PROVIDE 24VDC, 40W MINIMUM POWER SUPPLY, LINE VOLTAGE SWITCHED FROM ASTRO-DIAL TIMER SWITCH. UTILIZE MINIMUM 2#10 AWG FOR LOW VOLTAGE WIRING TO BOLLARDS.
13. DAMP LOCATION LABELED NON-DIM PENDANT LIGHT WITH WIRE GUARD, AT CORNERS OF CUPOLA; WILCOX LED DEEP BOWL PENDANT #BLE-C-DBW14-(FINISH)-SBK-WC-LED38-2700K-DL. 14" DIAMETER, BLACK PENDANT CORD, WIRE GUARD, 3000 LUMEN, 2700K, DOMED LENS (FINISH TO BE SELECTED BY ARCHITECT). VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDER AND ORDER APPROPRIATE LENGTH OF CORD FOR OVERALL HEIGHT ABOVE FLOOR. FEED FROM SURFACE MOUNTED CAST ALUMINUM JUNCTION BOX AT CUPOLA FRAME ABOVE, WITH 1/2" SURFACE MOUNTED EMT, PAINTED TO MATCH STRUCTURE.
14. WIRELESS ACCESS POINT NETWORK DROP (FOR ROUTER BY DISTRICT). COORDINATE MOUNTING POSITION IN THE FIELD FOR BEST FIT, WITH STRUCTURAL MEMBERS OF GREENHOUSE ROOF. ROUTE SURFACE MOUNTED EMT ALONG STRUCTURE AND DOWN (PAINTED TO MATCH ADJCENT SURFACE). SEE 1/E1 FOR CONTINUATION.

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Revisions

PROGRESS SET	06/07/23
BID SET	06/16/23

Project 2313

Child Nutrition Services Greenhouse

3200 Loveridge Road
Pittsburg, CA 94565

Pittsburg Unified School District

Sheet

SITE PLAN - ELECTRICAL

E1

Date
June 7, 2023