

DUARTE PARK TEEN CENTER PATIO

1400 BUENA VISTA STREET, DUARTE, CA 91010

100% CONSTRUCTION DOCUMENTS
SEPTEMBER, 2025



CONTACTS

OWNER
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DEPARTMENT OF PARKS AND RECREATION
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GENERAL
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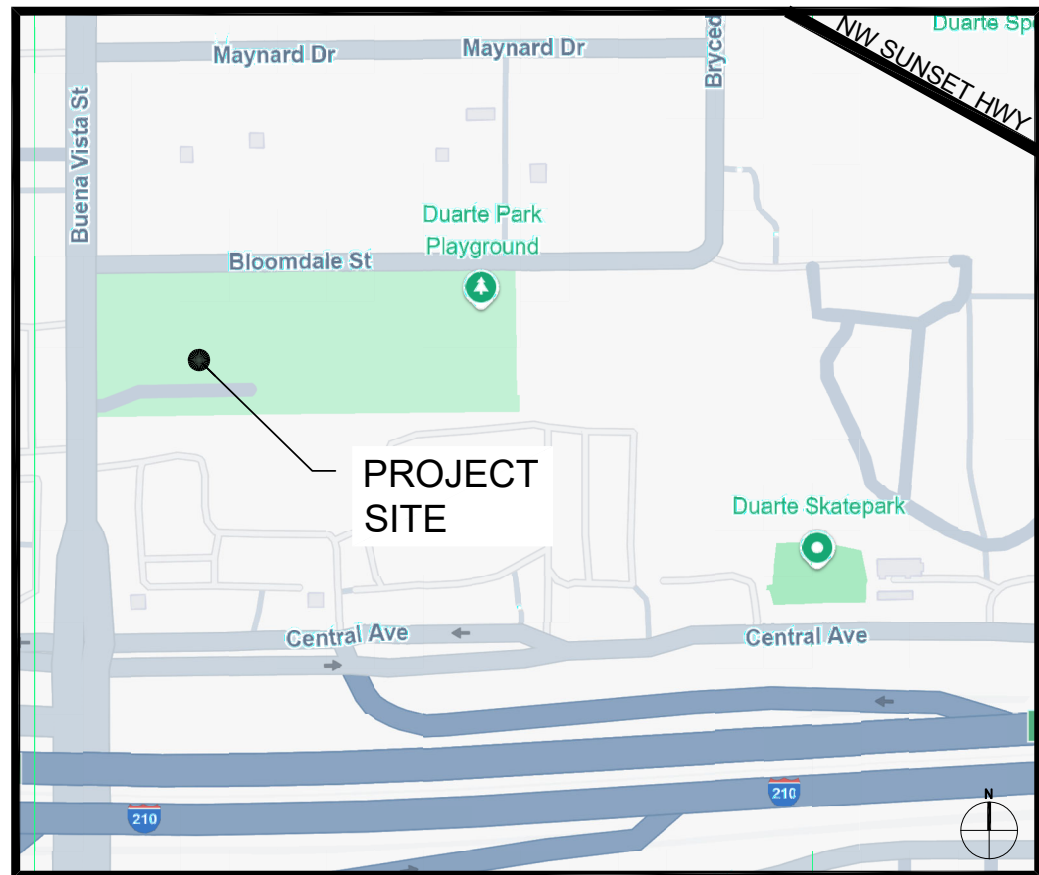
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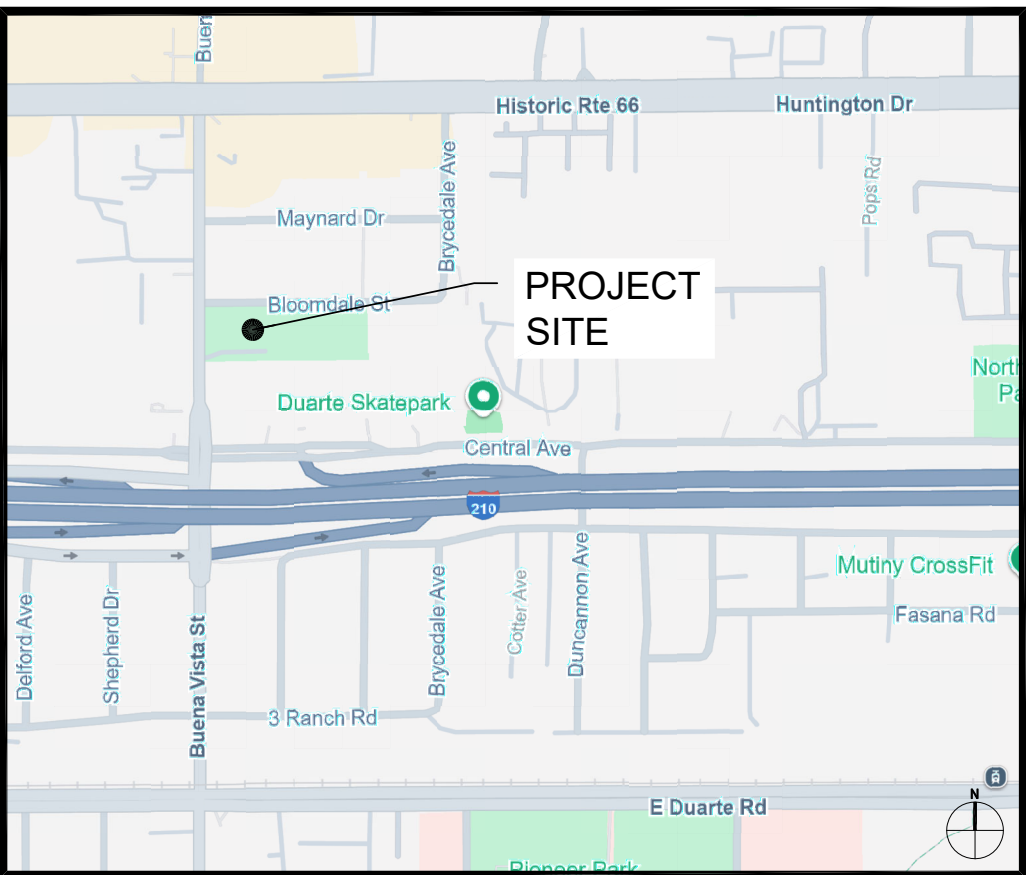
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AREA MAP



VICINITY MAP



ABBREVIATIONS

@	AT	DEG./°	DEGREE	LOW/L.O.W.	LIMIT OF WORK	S.A.D.	SEE ARCHITECT'S DRAWINGS
&	AND	DEMO	DEMOLITION	LP	LOW POINT	SLP	SLOPE
AB	AGGREGATE BASE	DF / DOUG. FIR	DOUGLAS FIR	MAX.	MAXIMUM	SBR	STYRENE BUTADIENE RUBBER
AD	AREA DRAIN	DTL / DET.	DETAIL	MFR	MANUFACTURER	S.C.D.	SEE CIVIL DRAWINGS
AGG.	AGGREGATE	(E) / EX.	EXISTING	MIN.	MINIMUM	SCH	SCHEDULE
APPROX.	APPROXIMATELY	EA	EACH	NIC	NOT IN CONTRACT	SD	STORM DRAIN
ASPH	ASPHALT	EJ	EXPANSION JOINT	NTS	NOT TO SCALE	SPECS.	SPECIFICATIONS
AVG	AVERAGE	EL / ELEV.	ELEVATION	NO	NUMBER/#	SQ	SQUARE
BC	BOTTOM OF CURB	ELEC	ELECTRIC(AL)	OC	ON CENTER	SS	SANITARY SEWER
BFP	BACKFLOW PREVENTER	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	OD	OUTSIDE DIMENSION	S.S.D.	SEE STRUCTURAL DRAWINGS
BW	BOTTOM OF WALL	EQ.	EQUAL	PA	PLANTING AREA	SSS	SYNTHETIC SAFETY SURFACING
BAR/REBAR	REINFORCING BAR	FG	FINISH GRADE	PCC	PORTLAND CEMENT CONCRETE	SST	STAINLESS STEEL
BLDG	BUILDING	FIN	FINISH	PERF.	PERFORATED	STD	STANDARD
CB	CATCH BASIN	FFE	FINISH FLOOR ELEVATION	PL	PROPERTY LINE	STL	STEEL
CIP	CAST-IN-PLACE	FT	FEET	P.O.W.	POINT OF BEGINNING	SYNTH.	SYNTHETIC
CL	CENTER LINE	GAU	GAUGE	POC	POINT OF CONNECTION	TBD	TO BE DETERMINED
CLR	CLEAR	GAL	GALLON	PREF.	PREFABRICATED	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
CMU	CONCRETE MASONRY UNIT	GALV	GALVANIZED	PT	PRESSURE TREATED		
CONC.	CONCRETE	GPM	GALLONS PER MINUTE	PSI	POUNDS PER SQUARE INCH	TC	TOP OF CURB
CONT.	CONTINUOUS	HDPE	HIGH-DENSITY POLYETHYLENE	PVC	POLYVINYL CHLORIDE	TP	TOP OF PAVEMENT
CP	CONCRETE PIPE	HDWD	HARDWOOD	QTY.	QUANTITY	TW	TOP OF WALL
DBH	DIAMETER BREAST HEIGHT	HOR	HORIZONTAL	R/RAD	RADIUS	TYP.	TYPICAL
DP	DEEP	HP	HIGH POINT	REINF.	REINFORCING	UON	UNLESS OTHERWISE NOTED
DI	DRAIN INLET	HSS	HOLLOW STRUCTURAL STEEL	RCP	REINFORCED CONCRETE PIPE	VERT.	VERTICAL
DIA / DIAM / Ø	DIAMETER	IE	INVERT ELEVATION	REQ'D	REQUIRED	W/	WITH

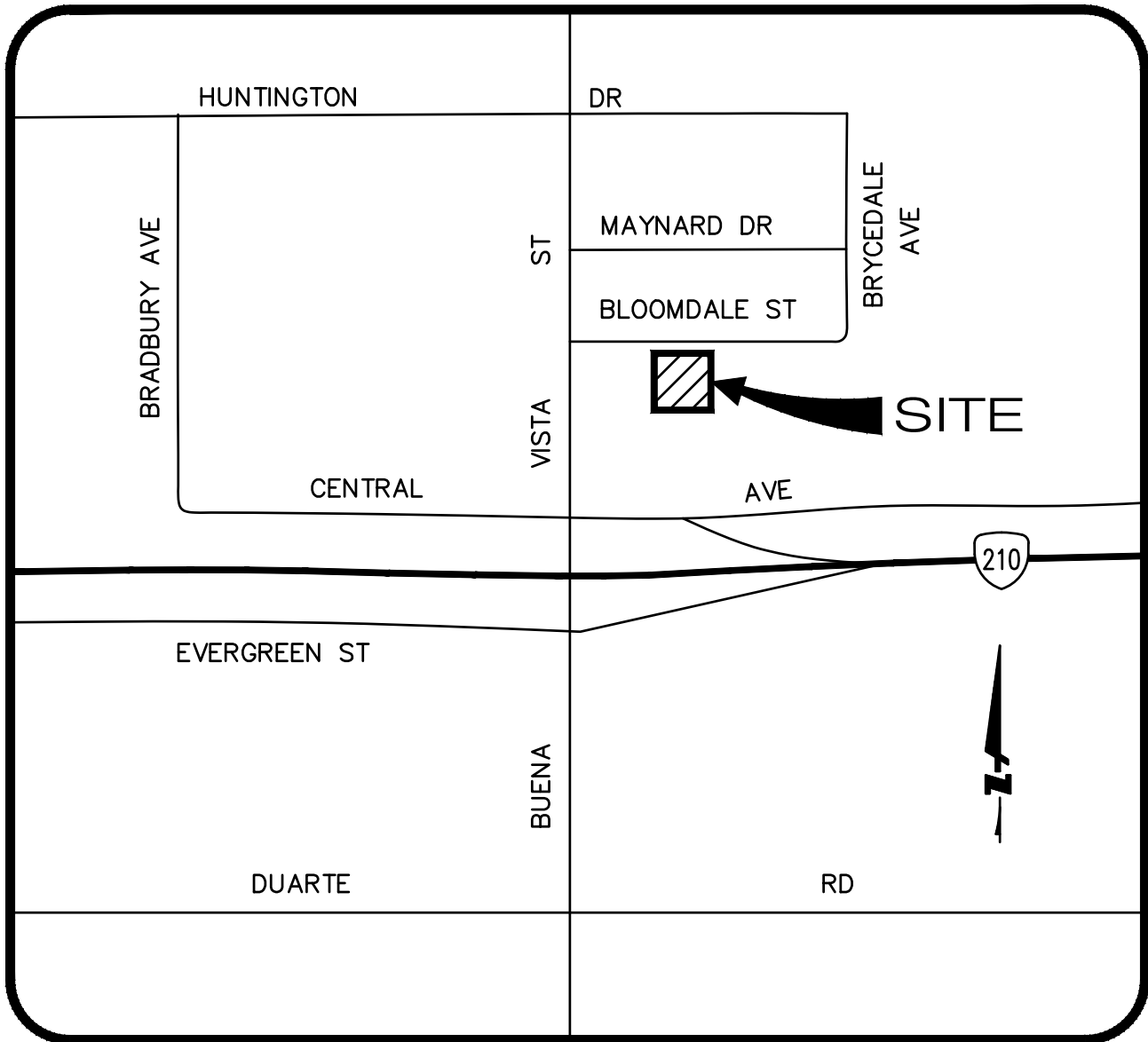
CONSTRUCTION DOCUMENTS FOR WALLED TEEN CENTER PATIO

DUARTE PARK

CITY OF DUARTE, LOS ANGELES COUNTY, CALIFORNIA

PROJECT SUMMARY

APPLICANT	MIG 109 W. UNION AVENUE FULLERTON, CA 92832
CIVIL ENGINEER	BKF ENGINEERS 4675 MACARTHUR COURT, SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460
OWNER	MIG 109 W. UNION AVENUE FULLERTON, CA 92832
TOTAL AREA	2372± SF (.05± AC)
EXISTING ZONING	PUBLIC FACILITIES
UTILITIES	
WATER SUPPLY:	CALIFORNIA AMERICAN WATER
FIRE PROTECTION:	LOS ANGELES COUNTY FIRE DEPARTMENT
SEWAGE DISPOSAL:	LOS ANGELES COUNTY SEWER MAINTENANCE DIVISION
STORM DRAIN:	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS (LACDPW)
ELECTRIC:	SOUTHERN CALIFORNIA EDISON (SCE)
GAS:	SOUTHERN CALIFORNIA GAS COMPANY (SOCALGAS)
TELEPHONE & CABLE:	SPECTRUM, FRONTIER, EARTHLINK, T-MOBILE



KEY MAP

NOT TO SCALE

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C0.00	TITLE SHEET
C0.01	GENERAL NOTES
C1.00	EXISTING CONDITIONS PLAN
C2.00	DEMOLITION PLAN
C3.00	HORIZONTAL CONTROL PLAN
C4.00	PRECISE GRADING PLAN & DRAINAGE PLAN
C5.00	CONSTRUCTION DETAILS

LEGEND

LIMIT LINE	---
SAWCUT	-----
PROPOSED GRADE ELEVATION	X XXX.XX TC XXX.XX FG
PROPOSED GRADE SLOPE	X.X%

BENCHMARK

LOS ANGELES COUNTY PUBLIC WORKS BENCHMARK

DESIGNATION:	11-14A
DATUM:	NAVD'88
YEAR:	1986
ELEVATION:	512.500'
DESCRIPTION:	AT DUARTE, AT THE INTERSECTION OF HUNTINGTON DRIVE AND BUENA VISTA STREET, AT THE SOUTHEAST CORNER OF THE INTERSECTION, 64 FEET EAST OF THE CENTER LINE OF THE STREET, 25-1/2 FEET SOUTH OF THE CENTERLINE OF THE EAST BOUND TRAFFIC LANES OF DRIVE, 3-1/2 FEET EAST OF THE EAST EDGE OF THE CONCRETE BASE OF A TRAFFIC LIGHT.

BASIS OF BEARINGS

THE BEARING OF NORTH 29°53'26" EAST BETWEEN THE FOLLOWING DESCRIBED STATION "A" AND STATION "B" MONUMENTS WAS TAKEN AS THE BASIS OF BEARINGS. THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, EPOCH 2017.50, AND ESTABLISHED LOCALLY BY FIELD-OBSERVED TIES RELATIVE TO CALIFORNIA SPATIAL REFERENCE NETWORK STATIONS "CGDM" AND "OXYC", IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE, SECTIONS 8801-8819. STATION VALUES (NAD83) AND ACCURACIES AS PUBLISHED BY THE CSRC. ALL LINEAR MEASUREMENTS ARE IN US SURVEY FEET.

STATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	LATITUDE σ	LONGITUDE σ	HEIGHT σ
CGDM	34°14'38.366963"	117°57'53.763075"	2314.2605	0.007848	0.008153	0.02620
OXYC	34°07'43.717627"	118°12'26.292848"	690.6574	0.006375	0.006450	0.01734

DISTANCES ARE GRID-BASED AND ARE IN REFERENCE TO THE CONTROL POINTS AND COORDINATES SHOWN BELOW. DIVIDE BY THE COMBINED SCALE FACTOR SHOWN TO APPROXIMATE GROUND DISTANCES.

STATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	CONVERGENCE ?	COMBINED FACTOR
"A"	34°08'13.4441"	117°58'36.2298"	380.6924	-00°00'47.75"	0.99996092
"B"	34°08'14.7211"	117°58'35.3466"	382.9675		

ABBREVIATIONS

AB	AGGREGATE BASE	MA	MATCH
AC	ASPHALT CONCRETE	MIN	MINIMUM
APN	ASSESSOR'S PARCEL NUMBER	NTS	NOT TO SCALE
BLDG	BUILDING	PCC	PORTLAND CEMENT CONCRETE
BFP	BACKFLOW PREVENTER	PIV	POST INDICATOR VALVE
BW	BACK OF WALK	PL	PROPERTY LINE
CF	CURB FACE	PLNT	PLANTING
C	CENTERLINE	POC	POINT OF CONNECTION
CO	CLEANOUT	PR	PROPOSED
CONC	CONCRETE	PVC	POLYVINYL CHLORIDE
CTRL	CONTROL	R/W	RIGHT-OF-WAY
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	S	SLOPE
DEMO	DEMOLITION	SC	SAWCUT
DI	DRAINAGE INLET	SDCB	STORM DRAIN CATCH BASIN
E	ELECTRIC	SDMH	STORM DRAIN MANHOLE
EB	ELECTRIC BOX	SLP	SEE LANDSCAPE PLANS
EG	EXISTING GRADE	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
EP	EDGE OF PAVEMENT	SSCO	SANITARY SEWER CLEANOUT
EX	EXISTING	SSMH	SANITARY SEWER MANHOLE
FF	FINISHED FLOOR	SSP	SEE STRUCTURAL PLANS
FG	FINISHED GRADE	STLT	STREETLIGHT
FH	FIRE HYDRANT	STND	STANDARD
FL	FLOWLINE	SW	SIDEWALK
FS	FINISHED SURFACE	T	TELEPHONE
GB	GRADEBREAK	TC	TOP OF CURB
GR	GRATE	TF	TOP OF FOOTING
HDPE	HIGH DENSITY POLYETHYLENE	TG	TOP OF GRATE
HP	HIGH POINT	TMH	TOP OF MANHOLE
HYD	HYDRANT	TP	TOP OF PAVEMENT
ICV	IRRIGATION CONTROL VALVE	TR	TREE
INV	INVERT	TV	CABLE TELEVISION
IRR	IRRIGATION	TW	TOP OF WALL
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	TYP	TYPICAL
LF	LINEAR FEET	UB	UTILITY BOX
LG	LIP OF GUTTER	UNO	UNLESS NOTE OTHERWISE
LS	LANDSCAPING	UT	UTILITY
		VLT	VAULT
		W	WATER
		WM	WATER METER
		WV	WATER VALVE

SCOPE OF WORK

INSTALLING A NEW CONCRETE PATIO WITH INTEGRATED STAIRS AND A ADA-COMPLIANT RAMP AT THE DUARTE TEEN CENTER TO PROVIDE ACCESSIBLE OUTDOOR GATHERING SPACE.


APPLICABLE CODES

STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION
2022 CALIFORNIA BUILDING CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

APPROVALS

ENGINEER'S STATEMENT

THESE IMPROVEMENT PLANS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECTION IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICE.


RODRIGO ELEJALDE, P.E.
PROJECT MANAGER
BKF ENGINEERS

09/18/2025
DATE



CONSULTANT:



CONSULTANTS
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BKF ENGINEERS
4675 MACARTHUR COURT
SUITE 400
NEWPORT BEACH, CA 92660

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ISE STRUCTURAL ENGINEERS
27369 VIA INDUSTRIA
TEMECULA, CA 92590

ELECTRICAL
BUDLONG
633 W. 5TH STREET, 26 FLOOR
LOS ANGELES, CA 90071

DUARTE PARK
TEEN CENTER
PATIO

1400 BUENA VISTA ST,
DUARTE, CA 91010

DATE	REVISION

STAMP



DATE

SEPTEMBER 23, 2025

SUBMITTAL

100% CONSTRUCTION
DOCUMENTS

CHECKED BY	RE
DRAWN BY	MG, LS
PROJECT NO.	20241088

SHEET TITLE

TITLE SHEET

SHEET NO.

C0.00

GENERAL NOTES

1. ALL WORK MUST CONFORM TO CITY OF DUARTE REQUIREMENTS AND BE PERFORMED PER THE APPLICABLE CITY OF DUARTE STANDARD SPECIFICATIONS, AND ON–SITE SPECIFICATIONS FOR THIS PROJECT. MEASUREMENT AND PAYMENT REFERENCES DO NOT APPLY.
2. THE CONTRACTOR MUST PROVIDE AT LEAST TWO (2) WORKING DAYS’ NOTICE TO THE CITY ENGINEER FOR INSPECTION SERVICES.
3. THE CONTRACTOR MUST REQUEST STAKING SERVICES FROM THE DESIGN ENGINEER AT LEAST TWO (2) WORKING DAYS IN ADVANCE.
4. ALL PLAN REVISIONS MUST BE REVIEWED AND APPROVED BY THE CITY ENGINEER IN WRITING BEFORE WORK BEGINS ON AFFECTED ITEMS, AND MUST BE SHOWN ON REVISED PLANS.
5. CONSTRUCTION HOURS ARE 7:00 AM TO 10:00 PM PER THE CITY’S NOISE CONTROL ORDINANCE.
6. EXISTING CURB AND GUTTER, SIDEWALK, SURVEY MONUMENTS, AND PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION MUST BE REPLACED AT THE CONTRACTOR’S EXPENSE.
7. DAMAGED WALLS, FENCES, SERVICES, UTILITIES, PAVEMENT, OR CURB MARKINGS MUST BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE CITY ENGINEER.
8. EXISTING PEDESTRIAN WALKWAYS, BIKE PATHS, AND ADA ACCESS PATHS MUST BE MAINTAINED DURING CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER.
9. THE CONTRACTOR MUST MAINTAIN TRAFFIC FLOW ON ADJACENT STREETS FOR EMERGENCY RESPONSES, UNLESS OTHERWISE AUTHORIZED BY THE CITY 48 HOURS PRIOR TO CLOSURE.
10. EXCAVATIONS MUST BE ADEQUATELY SHORED, BRACED, AND SHEATHED TO PREVENT EARTH MOVEMENT AND PROTECT EXISTING IMPROVEMENTS. ANY RESULTING DAMAGE FROM INADEQUATE PROTECTION IS THE CONTRACTOR’S RESPONSIBILITY. EXCAVATIONS FIVE (5) FEET DEEP OR MORE MUST COMPLY WITH STATE OF CALIFORNIA SAFETY STANDARDS.
11. THE CONTRACTOR MUST CONTROL DUST ON–SITE AT ALL TIMES, USING SPRINKLING AS NEEDED TO PREVENT NUISANCE. THE CITY RESERVES THE RIGHT TO TAKE CORRECTIVE ACTIONS IF NECESSARY AND CHARGE THE COST TO THE CONTRACTOR.
12. THE CONTRACTOR MUST CLEAN THE STREET DAILY BY SWEEPING TO THE SATISFACTION OF THE CITY ENGINEER, ADHERE TO APPROVED GRADING AND HAULING CONDITIONS, INCLUDING SPECIFIED DIRT HAULING ROUTES. A HAULING PERMIT IS REQUIRED.
13. IF ANY ASPECT OF THE WORK IS UNCLEAR OR INSUFFICIENTLY DETAILED, THE CONTRACTOR MUST NOTIFY THE CITY ENGINEER BEFORE PROCEEDING.
14. IF SPECIFICATIONS OR STANDARDS FROM DIFFERENT AUTHORITIES CONFLICT, THE MORE STRINGENT STANDARD SHALL APPLY.
15. UPON COMPLETION, THE CONTRACTOR MUST CLEAN THE SITE, LEAVING A SMOOTH, NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE TO THE SATISFACTION OF THE CITY ENGINEER.
16. ARTICLE 87 OF THE CFC MUST BE FOLLOWED FOR ALL AREAS UNDER CONSTRUCTION. CONTACT THE CITY FIRE DEPARTMENT FOR SPECIFIC BUILDING REQUIREMENTS.
17. THE CONTRACTOR MUST COORDINATE WORK WITH SCE, SPECTRUM, FRONTIER, EARTHLINK, AND CALIFORNIA AMERICAN WATER.
18. THE CONTRACTOR MUST CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS BEFORE STARTING WORK TO VERIFY UNDERGROUND UTILITY LOCATIONS. THE ACCURACY OF UTILITY LOCATIONS SHOWN ON PLANS IS NOT GUARANTEED.
19. THE CONTRACTOR MUST PROVIDE A 24–HOUR EMERGENCY CONTACT NUMBER TO THE POLICE, FIRE, AND PUBLIC WORKS DEPARTMENTS AND KEEP THEM INFORMED DAILY OF DETOURS.
20. THE CONTRACTOR MUST FOLLOW STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS REGARDING EXCAVATIONS AND TRENCHES.
21. THE CONTRACTOR MUST COMPLY WITH ALL NPDES REQUIREMENTS IN EFFECT DURING CONSTRUCTION.
22. IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING DEMOLITION, THE CONTRACTOR MUST NOTIFY THE ENGINEER AND STOP WORK WITHIN 100 FEET UNTIL A QUALIFIED ARCHAEOLOGIST EVALUATES THE FIND.
23. EMERGENCY TELEPHONE NUMBERS FOR THE CITY ENGINEER, AMBULANCE, POLICE, FIRE DEPARTMENTS, AND UTILITY AGENCIES MUST BE POSTED ON–SITE.
24. A PRE–CONSTRUCTION MEETING REQUIRES AT LEAST 48 HOURS’ NOTICE TO THE ENGINEERING DIVISION AT (626) 386–6817.
25. PUBLIC SAFETY AND TRAFFIC CONTROL MUST COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND BE COORDINATED WITH THE CITY ENGINEER.
26. THE CONTRACTOR MUST NOTIFY THE CALWATER MAINTENANCE SUPERINTENDENT 24 HOURS BEFORE CONNECTING TO EXISTING WATER FACILITIES. ALL VALVE OPERATIONS MUST BE DIRECTED BY MAINTENANCE DIVISION PERSONNEL.
27. IF PAVING AND STORM DRAIN IMPROVEMENTS ARE NOT COMPLETED BY OCTOBER 1, TEMPORARY SILT AND EROSION CONTROLS MUST BE INSTALLED TO MANAGE RUNOFF.
28. REVIEW OF PLANS BY THE CITY ENGINEER DOES NOT ABSOLVE THE PERMITTEE OR THEIR ENGINEER FROM RESPONSIBILITY FOR DESIGN DEFICIENCIES.
29. ALL CITY STANDARD DETAILS REFERENCED ON PLANS MUST BE THE MOST CURRENT VERSION, AVAILABLE FROM THE PUBLIC WORKS DEPARTMENT OR THE CITY’S WEBSITE.
30. A LICENSED LAND SURVEYOR MUST ESTABLISH ALL LINES, LEVELS, GRADES, AND LOCATIONS OF IMPROVEMENTS, AND A REGISTERED CIVIL ENGINEER MUST SUBMIT RECORD DRAWINGS UPON PROJECT COMPLETION.

31. SUBMITTALS MUST BE PROVIDED TO THE CITY FOR APPROVAL AT LEAST TWO (2) WEEKS BEFORE STARTING ANY CONSTRUCTION REQUIRING THEM.

SITE FENCE NOTES

32. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
33. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6’ HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
34. CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS ONLY FOR VISUAL CONFORMANCE OF THIS CONSTRUCTION SITE TO THE TOWN STANDARDS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES TO KEEP THE SITE SECURE AND SAFE.

GRADING

35. ALL GRADING WORK SHALL COMPLY WITH THESE NOTES AND THE REQUIREMENTS AND RECOMMENDATIONS SPECIFIED IN THE SOILS REPORT.
36. THE GEOTECHNICAL ENGINEER MUST BE PRESENT DURING GRADING OPERATIONS AND PERFORM ALL NECESSARY TESTING. THE ENGINEER SHALL OBSERVE GRADING AND IDENTIFY CONDITIONS REQUIRING CORRECTIVE MEASURES, WHICH MUST BE COMMUNICATED TO THE CONTRACTOR AND CONSTRUCTION MANAGER.
37. EARTHWORK AND SITE DRAINAGE INCLUDING PIER FOUNDATION EXCAVATIONS, RETAINING WALL BACKFILL, SUBGRADE PREPARATION BENEATH HARDSCAPE, ENGINEERED FILL COMPACTION, AND INSTALLATION OF DRAINAGE SYSTEMS MUST FOLLOW THE GEOTECHNICAL ENGINEER S RECOMMENDATIONS. THE ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY EARTHWORK OPERATIONS AND BE PRESENT TO OBSERVE OR TEST AS NEEDED DURING THE EARTHWORK AND FOUNDATION INSTALLATION PHASES.
38. EXCAVATIONS MUST BE ADEQUATELY SHORE, BRACED, AND SHEATHED TO PREVENT EARTH MOVEMENT AND PROTECT EXISTING IMPROVEMENTS FROM DAMAGE. ANY DAMAGE RESULTING FROM INSUFFICIENT SHORING OR BRACING IS THE CONTRACTOR S RESPONSIBILITY, AND THE CONTRACTOR MUST REPAIR OR RECONSTRUCT THE AFFECTED AREAS AT THEIR EXPENSE. IF THE EXCAVATION DEPTH FOR A TRENCH, STRUCTURE, OR BORING/JACKING PIT EXCEEDS FIVE FEET, THE CONTRACTOR MUST FOLLOW THE APPLICABLE SAFETY ORDERS OF CALIFORNIA’S DIVISION OF INDUSTRIAL SAFETY AND COMPLY WITH OSHA REGULATIONS.
39. THE CONTRACTOR SHALL ENSURE THAT ALL GRADING WORK ADHERES TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS SPECIFIED IN THE PLANS. GRADED AREAS MUST MEET VERTICAL ELEVATION TOLERANCES WITHIN 0.1 FEET. IF THE GRADING DOES NOT MEET THESE TOLERANCES, THE CONTRACTOR MUST CORRECT THE GRADING AT NO EXTRA COST TO THE OWNER.
40. THE PROJECT MUST COMPLY WITH CITY OF DUARTE EXCAVATION CODE AND GRADING STANDARDS.
41. THE CONTRACTOR MUST COORDINATE WITH THE RELEVANT UTILITY COMPANIES BEFORE PERFORMING ANY TIE–INS, ABANDONMENT, OR WORK ON THEIR FACILITIES.
42. A MINIMUM 12–INCH VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN ADJACENT UTILITY PIPES AT ALL CROSSINGS, WHERE POSSIBLE.
43. BACKFILL FOR UTILITY TRENCHES AND OTHER EXCAVATIONS MUST FOLLOW THE GRADING RECOMMENDATIONS. IF IMPORTED CLEAN SAND OR GRAVEL (WITH LESS THAN 10% FINES) IS USED, IT SHOULD BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION. JETTING IS NOT PERMITTED FOR TRENCH BACKFILL.
44. INSTALL ALL IRRIGATION SLEEVES AS SPECIFIED IN THE LANDSCAPING PLANS. PRIOR TO SURFACE IMPROVEMENTS, THE SLEEVES, A MINIMUM OF 12 INCHES BEHIND THE BACK OF CURB OR WALK, SHOULD BE 4–INCH PVC (SCHEDULE 40), AT A DEPTH OF 36 INCHES BELOW GRADE. REFER TO LANDSCAPING PLANS FOR SPECIFIC SIZES AND QUANTITIES.

DUST CONTROL

45. WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE CLIENT/INSPECTOR IN ORDER TO INSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.
46. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEEPED ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE CLIENT/INSPECTOR, OR TO THE SATISFACTION OF THE TOWN’S DEPARTMENT OF PUBLIC WORKS.
47. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPULINS OR OTHER EFFECTIVE COVERS.
48. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.
49. THE CONTRACTOR SHALL DEMONSTRATE DUST SUPPRESSION MEASURES, SUCH AS REGULAR WATERING, WHICH SHALL BE IMPLEMENTED TO REDUCE EMISSIONS DURING CONSTRUCTION AND GRADING IN A MANNER MEETING THE APPROVAL OF THE CONSTRUCTION MANAGER. THIS SHALL ASSIST IN REDUCING SHORT–TERM IMPACTS FROM PARTICLES WHICH COULD RESULT IN NUISANCES THAT ARE PROHIBITED BY RULE 403 (FUGITIVE DUST).
50. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE PROJECT NPDES AT ALL TIMES.

THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE CLIENT RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.

51. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS.

RECORD DRAWINGS

52. THE CONTRACTOR MUST MAINTAIN ACCURATE RECORD DRAWINGS SHOWING THE FINAL LOCATION, ELEVATION, AND DESCRIPTION OF ALL WORK, INCLUDING EXISTING IMPROVEMENTS ENCOUNTERED. THESE SHALL BE REDLINED ON A SET OF PRINTS AND SUBMITTED TO THE CONSTRUCTION MANAGER.

UNAUTHORIZED CHANGES AND USES

53. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR UNAUTHORIZED CHANGES OR USES OF THE PLANS. ANY CHANGES MUST BE WRITTEN AND APPROVED BY THE DESIGN ENGINEER.

STATEMENT OF RESPONSIBILITY

1. THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING SAFETY, AND AGREES TO INDEMNIFY THE DESIGN PROFESSIONAL AND CITY FOR ANY LIABILITY, EXCEPT FOR NEGLIGENCE BY THE DESIGN PROFESSIONAL.
2. THE CONTRACTOR MUST COMPLY WITH ALL APPLICABLE STATE, COUNTY, CITY LAWS, OSHA, AND INDUSTRIAL ACCIDENT COMMISSION REGULATIONS REGARDING SAFETY, WORK EQUIPMENT, AND LABOR.
3. REFER TO EACH CONSULTANT’S SCOPE OF WORK. IMPROVEMENTS WITHIN THE SCOPE OF OTHER CONSULTANT’S SCOPE ARE FOR REFERENCE ONLY ON THE CIVIL DRAWINGS.

EROSION & SEDIMENT CONTROL

1. THE CONTRACTOR MUST IMPLEMENT MEASURES IN THE APPROVED EROSION CONTROL PLAN.
2. THE CONTRACTOR MUST OBTAIN NECESSARY DISCHARGE PERMITS FOR DEWATERING ACTIVITIES.
3. MEASURES SHOWN IN THE EROSION CONTROL PLAN ARE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES SHOULD BE TAKEN AS NECESSARY TO ENSURE COMPLIANCE.
4. THE CONTRACTOR MAY ADJUST MEASURES AS SITE CONDITIONS CHANGE.

EXISTING CONDITIONS

1. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A SURVEY CONDUCTED ON JANUARY 9, 2025, BY BKF ENGINEERS.
2. EXISTING SUBSURFACE UTILITY INFORMATION IS BASED ON KNOWN RECORD DATA. CONTRACTOR MUST VERIFY LOCATION AND ELEVATION OF UTILITIES BEFORE STARTING WORK.
3. THE CONTRACTOR MUST VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.
4. IT IS THE CONTRACTOR’S RESPONSIBILITY TO ASCERTAIN THE EXISTENCE OF ANY UNDERGROUND FACILITIES THAT MAY BE DAMAGED DURING OPERATIONS. NOTIFY UNDERGROUND SERVICE ALERT (USA) 48 HOURS BEFORE EXCAVATION.
5. CONTACTING USA DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR DETERMINING THE LOCATION AND DEPTH OF BURIED UTILITIES OR FOR REPAIRING ANY DAMAGE CAUSED.



CONSULTANT:



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ISE STRUCTURAL ENGINEERS
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ELECTRICAL
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LOS ANGELES, CA 90071

DUARTE PARK
TEEN CENTER
PATIO

1400 BUENA VISTA ST,
DUARTE, CA 91010

DATE	REVISION

STAMP



DATE

SEPTEMBER 23, 2025

SUBMITTAL

100% CONSTRUCTION
DOCUMENTS

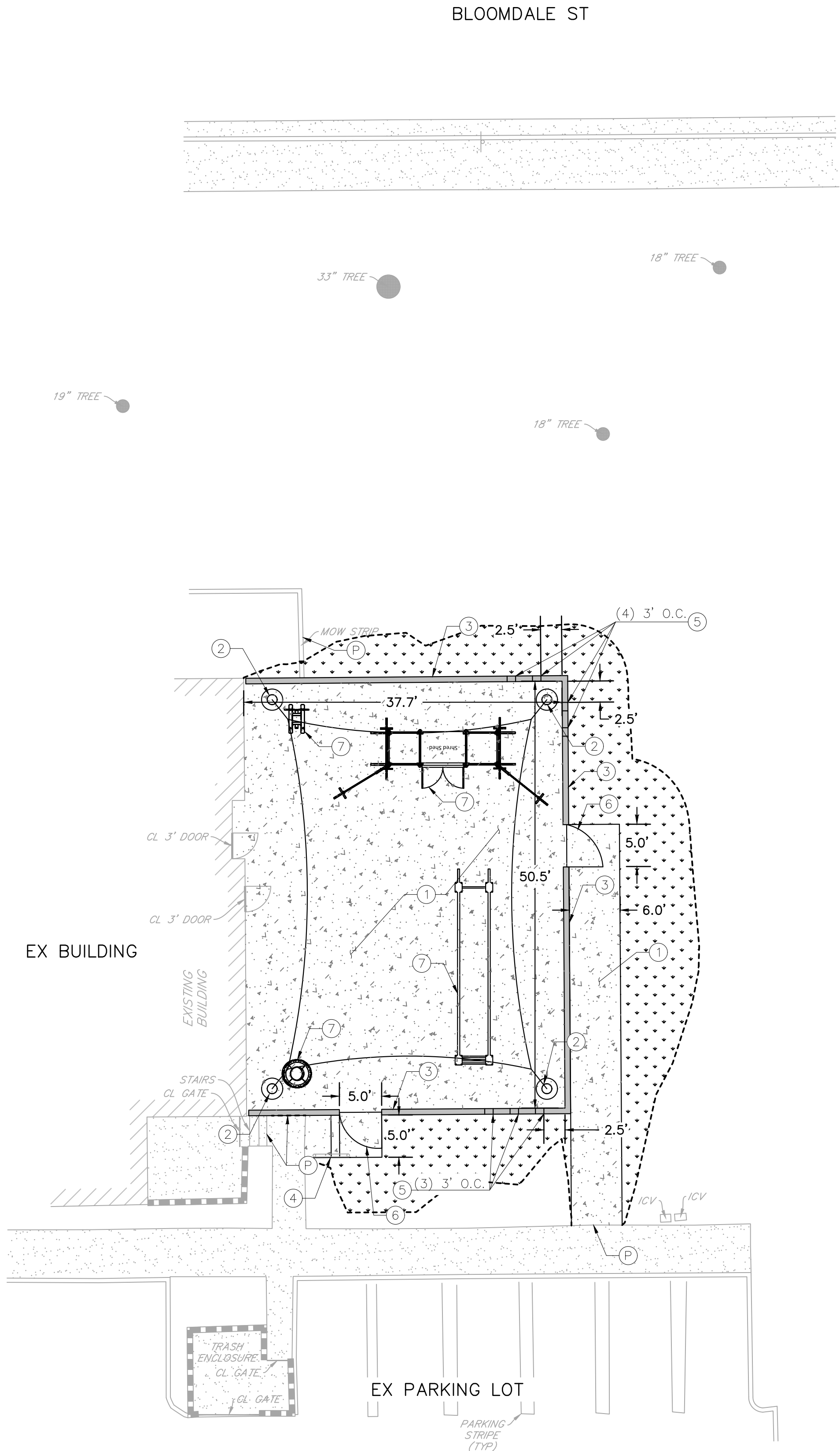
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PROJECT NO.	20241088

SHEET TITLE

GENERAL
NOTES

SHEET NO.

C0.01



LEGEND:

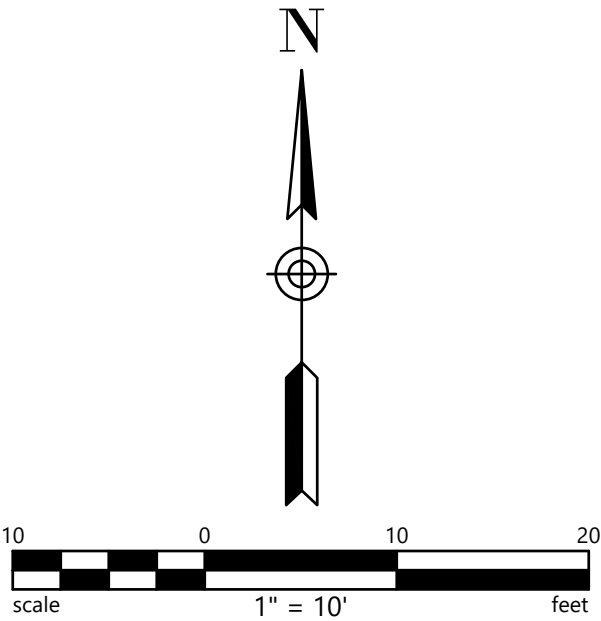
- PROPOSED WALL, S.S.P.
- SAWCUT LINE
- CONCRETE PAVEMENT
- PROPOSED LANDSCAPE, S.L.P.
SEE NOTE 7

SITE PLAN NOTES:

1. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.
2. THIS IS NOT A STAKING PLAN BUT A CHECK AND VERIFICATION OF THE MAJOR DIMENSIONS AS SHOWN ON THE LANDSCAPE SITE PLAN.
3. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, PROPERTY OR RIGHT-OF-WAY LINE, OR CENTER OF DRIVEWAYS.
4. THE CONSTRUCTION SURVEYOR IS RESPONSIBLE TO REPORT ANY AND ALL DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
5. CAD FILES ARE AVAILABLE UPON REQUEST FOR CONSTRUCTION STAKING.
6. SEE LANDSCAPE PLANS FOR ADDITIONAL DIMENSIONS AND INFORMATION.
7. TURF RESTORATION AND REROUTING OF EXISTING IRRIGATION TO BE COMPLETED BY FIELD SERVICES PER P&R/DIRECTOR OF CD

SITE PLAN CONSTRUCTION NOTES:

- (P) PROTECT IN PLACE
- (1) CONSTRUCT 4" PEDESTRIAN CONCRETE PAVEMENT PER DETAIL 1, SHEET C5.00
- (2) PROPOSED SHADE SAILS POLES, S.L.P.
- (3) PROPOSED WALL, S.S.P
- (4) CONSTRUCT STAIRS PER DETAIL 2, SHEET C5.00
- (5) 12" WIDE BY 4" TALL OPENING IN WALL PER DETAIL 3, SHEET C5.00
- (6) PROPOSED GATE, S.L.P.
- (7) PROPOSED FIELD EQUIPMENT, S.L.P.



CONSULTANT:



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PROJECT NO.	20241088

SHEET TITLE

HORIZONTAL
CONTROL PLAN

SHEET NO.

C3.00

CONCRETE EXPOSURE REQUIREMENTS

ACI 318 TABLE 19.3.1.1 - EXPOSURE CATEGORIES AND CLASSES				
CATEGORY		CLASS	CONDITION	
F FREEZING AND THAWING		F0	CONCRETE NOT EXPOSED TO FREEZING-AND-THAWING CYCLES	
		F1	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH LIMITED EXPOSURE TO WATER	
		F2	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER	
		F3	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER AND EXPOSURE TO DEICING CHEMICALS	
S SULFATE			WATER SOLUBLE SULFATE (SO ⁴⁻) IN SOIL, PERCENT BY WEIGHT ^[1]	DISSOLVED SULFATE (SO ⁴⁻) IN WATER, PPM ^[2]
		S0	SO ⁴⁻ < 0.10	SO ⁴⁻ < 150
		S1	0.10 ≤ SO ⁴⁻ < 0.20	150 < SO ⁴⁻ < 1500 OR SEAWATER
		S2	0.20 ≤ SO ⁴⁻ ≤ 2.0	1500 ≤ SO ⁴⁻ ≤ 10,000
W IN CONTACT WITH WATER		S3	SO ⁴⁻ > 2.00	SO ⁴⁻ > 10,000
		W0	CONCRETE DRY IN SERVICE	
		W1	CONCRETE IN CONTACT WITH WATER WHERE LOW PERMEABILITY IS NOT REQUIRED	
		W2	CONCRETE IN CONTACT WITH WATER WHERE LOW PERMEABILITY IS REQUIRED	
C CORROSION PROTECTION OF REINFORCEMENT		C0	CONCRETE DRY OR PROTECTED FROM MOISTURE	
		C1	CONCRETE EXPOSED TO MOISTURE BUT NOT TO EXTERNAL SOURCES OF CHLORIDES	
		C2	CONCRETE EXPOSED TO MOISTURE AND AN EXTERNAL SOURCE OF CHLORIDES FROM DEICING CHEMICALS, SALT, BRACKISH WATER, SEAWATER, OR SPRAY FROM THESE SOURCES	

[1] PERCENT SULFATE BY MASS IN SOIL SHALL BE DETERMINED BY ASTM C1580.
[2] CONCENTRATION OF DISSOLVED SULFATES IN WATER, IN PPM, SHALL BE DETERMINED BY ASTM D516 OR ASTM D4130.

ACI 318 TABLE 19.3.2.1 - REQUIREMENTS FOR CONCRETE BY EXPOSURE CLASS						
EXPOSURE CLASS	MAX W/CM	MIN f'c	ADDITIONAL MINIMUM REQUIREMENTS			
			AIR CONTENT			LIMITS ON CEMENTITIOUS MATERIALS
F0	N/A	2500	N/A			N/A
F1	0.55	3500	PER TABLE 19.3.3.1 FOR CONCRETE AND TABLE 19.3.3.3 FOR SHOTCRETE			N/A
F2	0.45	4500				26.4.2.2(b)
F3	0.40 ^[1]	5000 ^[1]				
			CEMENTITIOUS MATERIALS ^[2] - TYPES			
			CALCIUM CHLORIDE ADMIXTURE			
			ASTM C150	ASTM C595	ASTM C1157	
S0	N/A	2500	NO TYPE RESTRICTION	NO TYPE RESTRICTION	NO TYPE RESTRICTION	NO RESTRICTION
S1	0.50	4000	II ^[100]	TYPES WITH (HS) DESIGNATION	MS	NO RESTRICTION
S2	0.45	4500	V ^[6]	TYPES WITH (HS) DESIGNATION	HS	NOT PERMITTED
S3 (OPTION 1)	0.45	4500	V PLUS POZZOLAN OR SLAG CEMENT ^[7]	TYPES WITH (HS) DESIGNATION PLUS POZZOLAN OR SLAG CEMENT ^[7]	HS PLUS POZZOLAN OR SLAG CEMENT ^[7]	NOT PERMITTED
S3 (OPTION 2)	0.45	4500	V ^[6]	TYPES WITH (HS) DESIGNATION	HS	NOT PERMITTED
W0	N/A	2500	NONE			
W1	N/A	2500	26.4.2.2 (d)			
W2	0.5	4000	26.4.2.2 (d)			
			MAXIMUM WATER SOLUBLE CHLORIDE ION (CL-) CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT ^[100]		ADDITIONAL PROVISIONS	
			NON-PRESTRESSED-ISSUED CONCRETE	PRESTRESSED CONCRETE		
C0	N/A	2500	1.00	0.06	NONE	
C1	N/A	2500	0.30	0.06		
C2	0.40	5000	0.15	0.06	CONCRETE COVER ^[11]	

[1] THE W/CM IS BASED ON ALL CEMENTITIOUS AND SUPPLEMENTARY CEMENTITIOUS MATERIALS IN THE CONCRETE MIXTURE.
[2] THE MAXIMUM W/CM LIMITS DO NOT APPLY TO LIGHTWEIGHT CONCRETE.
[3] FOR PLAIN CONCRETE, THE MAXIMUM W/CM SHALL BE 0.45 AND THE MINIMUM f'c SHALL BE 4500 PSI.
[4] ALTERNATIVE COMBINATIONS OF CEMENTITIOUS MATERIALS TO THOSE LISTED ARE PERMITTED FOR ALL SULFATE EXPOSURE CLASSES WHEN TESTED FOR SULFATE RESISTANCE AND MEETING THE CRITERIA IN 26.4.2.2(c).
[5] FOR SEAWATER EXPOSURE, OTHER TYPES OF PORTLAND CEMENTS WITH TRICALCIUM ALUMINATE (C3A) CONTENTS UP TO 10 PERCENT ARE PERMITTED IF THE W/CM DOES NOT EXCEED 0.40.
[6] OTHER AVAILABLE TYPES OF CEMENT SUCH AS TYPE I OR TYPE III ARE PERMITTED IN EXPOSURE CLASSES S1 OR S2 IF THE C3A CONTENTS ARE LESS THAN 8 PERCENT FOR EXPOSURE CLASS S1 OR LESS THAN 5 PERCENT FOR EXPOSURE CLASS S2.
[7] THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT THAT HAS BEEN DETERMINED BY SERVICE RECORD TO IMPROVE SULFATE RESISTANCE WHEN USED IN CONCRETE CONTAINING TYPE V CEMENT. ALTERNATIVELY, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT TESTED IN ACCORDANCE WITH ASTM C1012 AND MEETING THE CRITERIA IN 26.4.2.2(c).
[8] IF TYPE V CEMENTS USED AS THE SOLE CEMENTITIOUS MATERIAL, THE OPTIONAL SULFATE RESISTANCE REQUIREMENT OF 0.040 PERCENT MAXIMUM EXPANSION IN ASTM C150 SHALL BE SPECIFIED.
[9] THE MASS OF SUPPLEMENTARY CEMENTITIOUS MATERIALS USED IN DETERMINING THE CHLORIDE CONTENT SHALL NOT EXCEED THE MASS OF THE PORTLAND CEMENT.
[10] CRITERIA FOR DETERMINATION OF CHLORIDE CONTENT ARE IN 26.4.2.2.
[11] CONCRETE COVER SHALL BE IN ACCORDANCE WITH 20.5.

CONCRETE

- CONCRETE COMPRESSIVE STRENGTH: ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH AS SHOWN IN THE TABLE 2 BELOW AT 28 DAYS, U.N.O. ON PLANS. SEE ALSO SULFATE CONTENT NOTES.
- AGGREGATES IN CONCRETE: SHALL BE NATURAL SAND AND ROCK (150 LB/CU. FT) CONFORMING TO ASTM C33. AGGREGATE SHALL HAVE PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.04% PER ASTM C-157. DO NOT CHANGE SOURCE OF AGGREGATE DURING COURSE OF WORK WITHOUT WRITTEN CONSENT OF ENGINEER.
- CEMENT: SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150. CEMENT SHALL BE TYPE II OR AS REQUIRED TO SATISFY SITE SOIL CONDITIONS. REFER TO TABLE 4 FOR CONCRETE CEMENT REQUIREMENTS ON SOIL CONTAINING SULFATE. REFER TO TABLE 2 FOR MAXIMUM WATER TO CEMENT RATIO.

CONCRETE STRENGTH			
CONDITION	STRENGTH, f'c	WATER / CEMENT RATIO	MAX. SLUMP
SLAB ON GRADE	4,000 PSI	PER MIX DESIGN	PER MIX DESIGN
FOOTING & GRADE BEAM	4,000 PSI	PER MIX DESIGN	PER MIX DESIGN

- REBAR CLEAR COVER IN CONCRETE: THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:

REBAR CLEAR COVER FOR CAST-IN-PLACE CONCRETE MEMBERS			
CONCRETE EXPOSURE	MEMBER	REINFORCEMENT	SPECIFIED COVER
SLAB ON GRADE	ALL	ALL	CENTER OF SLAB OR 2" MIN
CONCRETE AGAINST & PERMANENTLY IN CONTACT WITH GROUND:	ALL	ALL	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	No. 6 THROUGH No. 18 BARS No. 5 BAR, W31 OR D31 WIRE, AND SMALLER	2" 1-1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, JOISTS, AND WALLS	No. 14 AND No. 18 BARS	1-1/2"
	BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1-1/2"

- VIBRATION: VIBRATION OF CONCRETE SHALL BE IN ACCORDANCE WITH GENERAL PROVISIONS OUTLINED IN PORTLAND CEMENT ASSOCIATION SPECIFICATION ST26.
- CURING: CONCRETE SHALL BE MAINTAINED AT A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER ITS PLACEMENT. FOR CONCRETE OTHER THAN SLAB ON GRADE, APPROVED CURING COMPOUNDS MAY BE USED IN LIEU OF MOIST CURING, ONLY IF APPROVED BY THE ENGINEER OR ARCHITECT.
- INSPECTIONS, TESTING & QUALITY ASSURANCE: REFER TO STRUCTURAL NOTE SHEETS FOR DEPUTY SPECIAL INSPECTION, TESTING & STRUCTURAL OBSERVATION REQUIREMENTS. A MINIMUM OF ONE COMPRESSION TEST AT 7 DAYS AND 2 TESTS AT 28 DAYS FOR ALL CONCRETE SAMPLES. TAKE TEST AT A FREQUENCY OF ONCE EVERY 150 CU. YDS OR 5,000 SQ. FT MINIMUM.
- ANCHOR BOLTS, DOWELS, INSERTS: SHALL BE TIED IN PLACE PRIOR TO POURING CONCRETE.
- CONSTRUCTION AND POUR JOINTS: LOCATIONS SHALL BE APPROVED BY ENGINEER PRIOR TO POURING CONCRETE.
- FLY ASH: SHALL NOT BE USED IN CONCRETE.
- FORMWORK: FORMWORK TOLERANCE SHALL IN ACCORDANCE WITH THE C.B.C. AND A.C.I. STANDARDS.
- HOT AND COLD WEATHER CONCRETING:
 - HOT WEATHER CONCRETING: WHEN AIR TEMPERATURE RISES ABOVE 80° F AND HUMIDITY FALLS BELOW 25, THE CONTRACTOR SHALL FOLLOW HOT WEATHER CONCRETING IN ACCORDANCE WITH ACI 305.5-77. CONTRACTOR SHALL BE PREPARED TO USE FOG SPRAY OR OTHER PRECAUTIONS ACCEPTABLE TO ARCHITECT WHEN RATE OF EVAPORATION EQUALS OR EXCEEDS 0.2 POUNDS PER SQUARE FOOT PER HOUR.
 - COLD WEATHER CONCRETING: ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER. ALL CONCRETE MATERIALS AND ALL REINFORCEMENT, FORMS FILLERS AND GROUND WITH WHICH THE CONCRETE IS TO CONTACT SHALL BE FREE FROM FROST. FROZEN MATERIAL OR MATERIALS CONTAINING ICE SHALL NOT BE USED. COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI 306 R-78. (LATEST EDITION)
- PIPES IN CONCRETE: PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN. PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN THE STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED.
- EXPOSED CORNERS: PROVIDE 3/4" CHAMFERS AT ALL EXPOSED CORNERS.
- ARCHITECTURAL DETAILS: REFER TO ARCHITECTURAL DRAWINGS FOR REVEALS, AREAS OF TEXTURED CONCRETE OR SPECIAL FINISHES, ITEMS REQUIRED TO BE CAST INTO THE CONCRETE, CURBS AND SLAB DEPRESSIONS.
- DRYPACK OR GROUT: SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AND SHALL NOT BE LESS THAN THE CONCRETE STRENGTH AND SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO NOT MORE THAN THREE PARTS SAND.

GENERAL NOTES CONTINUED

- CONTRACT DOCUMENTS USE: REVIEW CONTRACT DOCUMENTS IN THEIR ENTIRETY BEFORE PERFORMING STRUCTURAL RELATED WORK AND BEFORE DEVELOPING SHOP DRAWINGS. BRING DISCREPANCIES TO THE IMMEDIATE ATTENTION OF ARCHITECT (STRUCTURAL ENGINEER) BEFORE STARTING WORK.
 - SCALING OF DRAWINGS: NOT PERMITTED.
 - ADDITIONAL STRUCTURAL REQUIREMENTS: SEE SPECIFICATIONS.
 - BUILDING GEOMETRY: SEE ARCHITECTURAL DRAWINGS FOR BUILDING GEOMETRY INCLUDING, BUT NOT LIMITED TO, TOP OF FLOOR AND ROOF ELEVATIONS; DEPRESSIONS; SLOPES; CURBS; DRAINS; TRENCHES; SLAB AND DECK EDGE LOCATIONS; WALL OVERALL DIMENSIONS; AND SIZE AND LOCATIONS OF OPENINGS IN FLOORS, ROOF AND WALLS.
 - NON-STRUCTURAL ITEMS REQUIRING SPECIAL PROVISIONS: SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS REQUIRING SPECIAL PROVISIONS DURING CONSTRUCTION. THEY INCLUDE, BUT ARE NOT LIMITED TO, NON-STRUCTURAL WALLS; SIZE AND LOCATIONS OF OPENINGS AND SLEEVES PENETRATING STRUCTURE; SIZE AND LOCATION OF CONCRETE CURBS AND PADS; AND SIZE AND LOCATION OF PIPING, DUCTWORK, AND EQUIPMENT ANCHORAGES MOUNTED OR SUSPENDED FROM STRUCTURE. VERIFY EXACT SIZE AND LOCATION OF EQUIPMENT WITH EQUIPMENT MANUFACTURER.
 - MATERIALS: FURNISH AND INSTALL IN COMPLIANCE WITH LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION INCLUDING COUNTY AND LOCAL ORDINANCES AND SAFETY ORDERS OF STATE INDUSTRIAL ACCIDENT COMMISSION, OSHA.
 - PENETRATIONS, EMBEDMENT, AND OPENINGS IN STRUCTURAL MEMBERS: NO PENETRATION, EMBEDMENT, OPENING, SLEEVE, PIPE, OR CONDUIT SHALL OCCUR IN STRUCTURAL MEMBERS INCLUDING FOOTINGS, SLABS, WALLS, COLUMNS, AND BEAMS UNLESS SPECIFICALLY SHOWN OR INDICATED ON STRUCTURAL DRAWINGS.
 - TYPICAL DETAILS: DETAILS ON SD SERIES SHEETS ARE APPLICABLE THROUGHOUT PROJECT WHEREVER THE DESCRIBED CONDITION OCCURS AND MAY OR MAY NOT BE SPECIFICALLY REFERENCED ON STRUCTURAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION PRIOR TO PERFORMING WORK.
 - WATERPROOFING & DRAINAGE: WATERPROOFING AND DRAINAGE IS OUTSIDE THE STRUCTURAL ENGINEER'S SCOPE, EXPERIENCE, AND PROFESSIONAL EXPERTISE. WE RECOMMEND THE OWNER HIRE A SEPARATE SPECIALIZED DESIGN PROFESSIONAL TO ADDRESS WATERPROOFING AND DRAINAGE ISSUES. IF A SPECIALIZED DESIGN PROFESSIONAL IS NOT HIRED, OWNER AND CONTRACTOR ASSUME RESPONSIBILITY OF ALL WATERPROOFING & DRAINAGE REQUIREMENTS.
- EARTHWORK AND FOUNDATIONS
- GEOTECHNICAL REPORT: PERFORM SOILS WORK COMPLYING WITH FOUNDATION DESIGN BASED ON RECOMMENDATIONS IN SOILS REPORT. SEE STRUCTURAL COVER SHEET FOR SOILS REPORT NUMBER AND DATE.
 - ALLOWABLE FOUNDATION DESIGN VALUES PER GEOTECHNICAL REPORT: VALUES BELOW MAY BE INCREASED 33 PERCENT FOR TRANSIENT LOADING.
 - BEARING CAPACITY: SEE PROJECT DESIGN CRITERIA
 - PASSIVE LATERAL BEARING PRESSURE: SEE PROJECT DESIGN CRITERIA
 - COEFFICIENT OF FRICTION: SEE PROJECT DESIGN CRITERIA
 - GRADING, EXCAVATIONS, BACKFILL AND COMPACTION OF BACKFILL: COMPLY WITH GEOTECHNICAL REPORT AND REQUIREMENTS OF GOVERNING CODE AUTHORITY AND PERFORMED ONLY UNDER CONTINUOUS SPECIAL INSPECTION OF GEOTECHNICAL ENGINEER.
 - PREPARATION OF SOIL UNDER BUILDING PAD: SEE GEOTECHNICAL REPORT FOR OVER-EXCAVATION OF EXISTING SOIL AND INSTALLATION OF PROPERLY COMPACTED BACKFILL.
 - FOUNDATION EXCAVATIONS: FOUNDATIONS ARE TO BEAR ON FIRM EXISTING SOIL OR APPROVED COMPACTED FILL AS INDICATED IN GEOTECHNICAL REPORT. EXCAVATIONS ARE TO BE INSPECTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL AND FORMWORK. ENSURE EXCAVATIONS ARE CLEANS, DRY AND FREE OF DEBRIS OR LOOSE SOIL. SLOPE SIDES OF EXCAVATION NOT LESS THAN MINIMUM SLOPE INDICATED IN GEOTECHNICAL REPORT. CAST CONCRETE DIRECTLY AGAINST EXCAVATED SURFACES.
 - BACKFILLING OF RETAINING WALLS: PLACE AFTER COMPLETION AND INSPECTION OF WATERPROOFING. ADEQUATELY SHORE RETAINING WALLS DURING BACKFILL OPERATION. UNLESS ADEQUATELY SHORED, DO NOT PLACE BACKFILL BEHIND BUILDING STRUCTURE RETAINING WALLS (EXCLUDING SITE RETAINING WALLS) UNTIL CONCRETE AT ELEVATED FLOOR LEVELS ADJACENT TO WALLS ARE COMPLETELY POURED (IN AREA) AND HAVE CURED FOR AT LEAST 7 DAYS.
 - WATER EXPOSURE AT BUILDING PERIMETER FOOTINGS: AT AREAS WHERE SIDEWALKS OR PAVING DO NOT IMMEDIATELY ADJOIN STRUCTURE, PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURE AT BUILDING PERIMETER. LANDSCAPE IRRIGATION IS NOT PERMITTED WITHIN FIVE FEET OF BUILDING PERIMETER FOOTINGS EXCEPT WHEN ENCLOSED IN PROTECTED PLANTERS WITH DIRECT DRAINAGE AWAY FROM STRUCTURE OR WHICH COMPLIES WITH APPLICABLE CODE. DISCHARGE FROM DOWN SPOUTS, ROOF DRAINS AND SCUPPERS IS NOT PERMITTED ONTO UNPROTECTED SOILS WITHIN FIVE FEET OF BUILDING PERIMETER. REFER TO GEOTECHNICAL REPORT FOR COMPLETE REQUIREMENTS.

GENERAL NOTES

- FIELD VERIFICATION: FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) IN CASE OF DISCREPANCIES.
- DESIGN INTENT: CONTRACT DOCUMENTS INDICATE DESIGN INTENT FOR STRUCTURE IN ITS COMPLETED STATE. THEY DO NOT INDICATE METHOD OF CONSTRUCTION. PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO PROCEEDING WITH WORK, IF DESIGN INTENT REQUIRES FURTHER CLARIFICATION.
- DEVIATIONS, MODIFICATIONS AND SUBSTITUTIONS TO APPROVED STRUCTURAL DRAWINGS: MUST BE ACCEPTED IN WRITING BY ARCHITECT (STRUCTURAL ENGINEER) AND APPROVED BY GOVERNING CODE AUTHORITY. NO DEVIATION, MODIFICATION OR SUBSTITUTION WILL BE ACCEPTED VIA SHOP DRAWING REVIEW.
- PROCEDURES OF CONSTRUCTION: CONTRACTOR IS RESPONSIBLE FOR PROCEDURES OF CONSTRUCTION COMPLYING WITH NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. SITE VISITS (INCLUDING STRUCTURAL OBSERVATION) BY ARCHITECT (STRUCTURAL ENGINEER) DO NOT CONSTITUTE SUPERVISIONS OF METHODS OF CONSTRUCTION.
 - PROTECTION OF UTILITIES: LOCATE EXISTING UTILITIES, INCLUDING THOSE NOT SHOWN ON CONTRACT DOCUMENTS, AND PROTECT THEM FROM DAMAGE. CONTRACTOR BEARS EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES IN CONJUNCTION WITH EXECUTION OF WORK.
 - EXCAVATIONS: PROTECT STRUCTURE, ADJACENT STRUCTURES, ADJACENT PROPERTIES, STREETS, AND UTILITIES DURING EXCAVATION UTILIZING LAGGING, SHORING, UNDERPINNING AT SIDES AND RELATED PROCEDURES AS MAY BE REQUIRED. PROVIDE NECESSARY SUPPORTS FOR SOIL EXCAVATIONS. CONTRACTOR AND AFFECTED TRADES SHALL REFER TO GEOTECHNICAL REPORT FOR MORE INFORMATION.
 - PROTECTION OF STRUCTURE: PROVIDE NECESSARY MEASURES TO PROTECT STRUCTURE DURING EXECUTION OF WORK.
 - CONTRACTOR PROPOSED REVISIONS: WHERE A REVISION OF STRUCTURAL DESIGN OR CONNECTION IS PROPOSED BY CONTRACTOR TO ACCOMMODATE CONSTRUCTION TOLERANCES, CONSTRUCTION SEQUENCE AND/OR DIMENSION MODIFICATIONS, CONTRACTOR SHALL RETAIN A STRUCTURAL ENGINEER LICENSED IN STATE OF CALIFORNIA TO PERFORM DESIGN, SUBMIT STAMPED AND SIGNED DESIGN DRAWINGS AND CALCULATIONS TO THE ARCHITECT (STRUCTURAL ENGINEER) FOR REVIEW AND THE GOVERNING CODE AUTHORITY FOR APPROVAL.
 - ERECTION PLANS: DETERMINE PHASES OF WORK REQUIRING ERECTION PLANS ACCORDING TO APPLICABLE SAFETY REGULATIONS. MAINTAIN CERTIFIED COPIES OF ERECTION PLANS AT SITE DURING CONSTRUCTION.
 - SHORING, BRACING, AND OTHER TEMPORARY SUPPORTS: DESIGN AND ERECT SHORING, BRACING, AND OTHER TEMPORARY SUPPORTS WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH AND AS REQUIRED FOR SAFE ERECTION. ENSURE FLOOR, ROOF, AND WALL MEMBERS ARE SECURELY SHORED AND BRACED DURING CONSTRUCTION. PROVIDE SHORING AT ELEVATED BEAMS AND SLABS SUPPORTING CONCRETE OR MASONRY WALLS DURING AND AFTER WALL POUR UNTIL WALL ATTAINS DESIGN STRENGTH.
 - TEMPORARY LOADING: ENSURE CONSTRUCTION LOADS DO NOT EXCEED INDICATED DESIGN LIVE LOAD VALUES. NOTIFY AFFECTED SUB-CONTRACTOR TRADES OF THESE DESIGN LOAD LIMITS.
 - FABRICATION, SHIPMENT, AND ERECTION OF STRUCTURAL STEEL: ENSURE STRESSES OCCURRING DURING FABRICATION, SHIPMENT, AND ERECTION OF STRUCTURAL STEEL ARE TEMPORARY AND ARE LESS THAN DESIGN AND ALLOWABLE STRESS CAPACITIES OF INDIVIDUAL MEMBERS. DO NOT IMPAIR FULL DESIGN AND LOAD CARRYING CAPACITY OF MEMBERS DUE TO FABRICATION, SHIPMENT, OR ERECTION. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING ERECTION SEQUENCE, ERECTION PROCEDURE, TEMPERATURE DIFFERENTIALS AND WELD SHRINKAGE TO MINIMIZE RESIDUE STRESSES. PROVIDE ADDITIONAL MATERIALS FOR THE ERECTION OF STRUCTURAL STEEL SUCH AS TEMPORARY BRACING AND GUY CABLES AS MAY BE NECESSARY AT NO ADDITIONAL COST. REMOVE THESE MATERIALS UNLESS APPROVED IN WRITING BY OWNER. DO NOT TIGHTEN BOLTS IN TYPICAL BEAM TO COLUMN CONNECTIONS FOR ERECTION PURPOSES.
 - SECURING REINFORCING STEEL, DOWELS, ANCHOR BOLTS AND EMBEDS: FIRMLY SUPPORT AND ACCURATELY PLACE COMPLYING WITH ACI STANDARDS PRIOR TO CASTING CONCRETE OR GROUT IN MASONRY WALLS. USE TIES AND SUPPORT BARS IN ADDITION TO REINFORCING STEEL SHOWN WHERE NECESSARY. NO WELDING OR REINFORCING STEEL, INCLUDING TACK WELDING, IS PERMITTED UNLESS OTHERWISE ACCEPTED IN WRITING BY ARCHITECT (STRUCTURAL ENGINEER). PROVIDE PLASTIC OR PLASTIC COATED CHAIRS AND SPACERS WHEN RESTING ON EXPOSED SURFACES.
- COORDINATION RESPONSIBILITY: CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK INCLUDING THAT OF SUB-CONTRACTOR TRADES.
- SUBMITTALS: SUBMIT TO ARCHITECT (STRUCTURAL ENGINEER) AS INDICATED ON STRUCTURAL DRAWINGS AND SPECIFICATIONS. GENERAL CONTRACTOR SHALL REVIEW SUBMITTAL FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS PRIOR TO SUBMISSION.
 - REQUEST FOR INFORMATION (RFI) SUBMITTALS: ACCOMPANY RFIS WITH PARTIAL STRUCTURAL FOUNDATION OR FRAMING PLANS SHOWING LOCATION IN QUESTION AND AFFECTED STRUCTURAL MEMBERS. COPY PARTIAL PLAN FROM STRUCTURAL DRAWINGS AND INDICATE GRID LINE LOCATIONS AND FLOOR LEVEL. ALSO PROVIDE PROPERLY DRAWN ENGINEERING SKETCHES ILLUSTRATING ISSUES AND CONTRACTOR'S PROPOSED SOLUTIONS. PHOTOGRAPHS ARE NOT ACCEPTABLE SUBSTITUTES TO ENGINEERING SKETCHES.

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SEAL OF PROFESSIONAL ENGINEER
MICHAEL E. F. FORD
No. 49229
Exp. 9/30/25
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STATE OF CALIFORNIA

DATE
SEPTEMBER 23, 2025

SUBMITTAL

100% CONSTRUCTION DOCUMENTS

CHECKED BY	HER
DRAWN BY	AS
PROJECT NO.	25-7850.06

SHEET TITLE
STRUCTURAL GENERAL NOTES

SHEET NO.
SN1

REQUIRED SPECIAL INSPECTIONS AND TESTS OF <u>SOILS</u> PER TABLE 1705.6			
CHECK IF REQUIRED	TYPE	CONTINUOUS	PERIODIC
X	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X
X	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		
X	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X
X	DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVI-SIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	
X	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X
EXCEPTIONS:			
WHERE SECTION 1803 DOES NOT REQUIRE REPORTING OF MATERIALS AND PROCEDURES FOR FILL PLACEMENT, THE SPECIAL INSPECTOR SHALL VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAX-IMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557			
REQUIRED SPECIAL INSPECTIONS AND TESTS OF <u>CONCRETE CONSTRUCTION</u> PER TABLE 1705.3			
CHECK IF REQUIRED	TYPE	CONTINUOUS	PERIODIC
X	1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X
2. REINFORCING BAR WELDING:			
	a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;		X
	b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND		X
	c. INSPECT ALL OTHER WELDS	X	
X	3. INSPECT ANCHORS CAST IN CONCRETE		X
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS			
	a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	
	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE		X
	5. VERIFY USE OF REQUIRED DESIGN MIX		X
	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	
	7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	
	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X
	9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES; AND	X	
	b. GROUTING OF BONDED PRESTRESSING TENDONS	X	
	10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS		X
11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, INSPECT SUCH CONNECTIONS AND REIN-FORMENCEMENT IN THE FIELD FOR:			
	A. INSTALLATION OF THE EMBEDDED PARTS	X	
	B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS.	X	
	C. COMPLETION OF CONNECTIONS IN THE FIELD.	X	
	12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5.		X
	13. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		X
	14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X
EXCEPTIONS:			
1. ISOLATED SPREAD FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.			
2. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE: 2.1. THE FOOTINGS SUPPORT WALLS OF LIGHT FRAME CONSTRUCTION; 2.2. THE FOOTINGS ARE DESIGNED IN ACCORDANCE WITH 1809.7; OR 2.3 THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON f _c = 2,500 PSI OR LESS, REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE IN THE CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION.			
3. NON STRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRE-STRESS IS LESS THAN 150 PSI.			
4. CONCRETE FOUNDATION WALLS CONSTRUCTED WITH TABLE 1807.1.6.2			
5. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS ON GRADE.			
REQUIRED SPECIAL INSPECTIONS AND TESTS OF <u>MASONRY CONSTRUCTION</u> PER TABLE 1705.4 & TMS 602			
SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE PROGRAM REQUIREMENTS OF TMS 402 AND TMS 602			
MASONRY LEVEL 1 INSPECTION REQUIREMENTS			
CHECK IF REQUIRED	TYPE		
X	PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS.		
EXCEPTIONS: SPECIAL INSPECTIONS AND TESTS SHALL NOT BE REQUIRED FOR: 1. EMPIRICALLY DESIGNED MASONRY, GLASS UNIT MASONRY OR MASONRY VENEER DESIGNED IN ACCORDANCE WITH SECTION 2109, 2110 OR CHAPTER 14, RESPECTIVELY, WHERE THEY ARE PART OF A STRUCTURE CLASSIFIED AS RISK CATEGORY I, II OR III. 2. MASONRY FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.3(1), 1807.1.6.3(2), 1807.1.6.3(3) OR 1807.1.6.3(4). 3. MASONRY FIREPLACES, MASONRY HEATERS OR MASONRY CHIMNEYS INSTALLED OR CONSTRUCTED IN ACCORDANCE WITH SECTION 2111, 2112 OR 2113, RESPECTIVELY.			

QUALITY ASSURANCE (STRUCTURAL OBSERVATION, MATERIALS TESTING, AND SPECIAL INSPECTION)	
1. <u>STRUCTURAL OBSERVATION:</u> A. COORDINATION RESPONSIBILITIES OF CONTRACTOR: NOTIFY ARCHITECT (STRUCTURAL ENGINEER) 48 HOURS IN ADVANCE OF CRITICAL STAGES OF CONSTRUCTION INDICATED BELOW. SO VISITS MAY BE SCHEDULED BY STRUCTURAL OBSERVER. FAILURE BY CONTRACTOR TO MEET OBSERVATION SCHEDULE MAY REQUIRE REMOVAL OF SUBSEQUENT WORK FOR OBSERVATION. CONTRACTOR TO BEAR COSTS OF REMOVAL AND REPLACEMENT OF FINISHED WORK OR FRAMING DAMAGED BY REMOVAL PROCESS OR AS REQUIRED FOR CORRECTIVE ACTION. B. PRE-CONSTRUCTION MEETING: OWNER MAY COORDINATE AND CALL FOR MEETING BETWEEN ARCHITECT (STRUCTURAL ENGINEER) RESPONSIBLE FOR STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS AND SPECIAL INSPECTOR. STRUCTURAL OBSERVER WILL PRESIDE OVER THIS MEETING. PURPOSE OF MEETING IS TO IDENTIFY MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT VERTICAL AND LATERAL LOAD RESISTING SYSTEMS OF STRUCTURE AND TO REVIEW SCHEDULE OF STRUCTURAL OBSERVATION, MATERIALS TESTING, AND SPECIAL INSPECTION OF PROJECT. C. CRITICAL STAGES OF CONSTRUCTION REQUIRING STRUCTURAL OBSERVATION: I. CASTING OF CONCRETE II. COVERING OF FRAMING	
2. <u>MILL TEST REPORTS CERTIFYING MATERIALS:</u> CONTRACTOR TO SUBMIT MILL TEST REPORTS CERTIFYING REINFORCING STEEL, STRESSING TENDONS, AND STRUCTURAL STEEL ARE OF IDENTIFIABLE TESTED STOCK TO OWNER, SPECIAL INSPECTOR, ARCHITECT (STRUCTURAL ENGINEER) AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY. ENSURE MATERIALS ARE PROPERLY TAGGED FOR IDENTIFICATION. IF MILL TEST REPORTS CANNOT BE MADE AVAILABLE OR IF MATERIAL CANNOT BE IDENTIFIED, TESTING LABORATORY WILL PERFORM TESTS AS DIRECTED BY ARCHITECT (STRUCTURAL ENGINEER). CONTRACTOR SHALL PAY TESTING RELATED TO TESTS AND INSPECTIONS OF UNIDENTIFIABLE MATERIALS FURNISHED WITHOUT MILL. LABORATORY FOR COSTS TEST REPORTS, MATERIALS FOUND DEFICIENT AFTER INITIAL TESTS AND INSPECTIONS, OR MATERIALS REPLACING DEFICIENT MATERIALS. A. ULTRASONIC EXAMINATION OF HEAVY ROLLED SHAPES AND THICK PLATES AT PROPOSED WELDED MOMENT CONNECTIONS: WHERE COMPLETE PENETRATION GROOVE WELDS OCCUR AT GROUPS 4 AND 5 STRUCTURAL STEEL SHAPES, AS DEFINED IN ASTM A6, AND PLATES EXCEEDING 2 INCHES THICK, SUBMIT MILL TEST REPORTS TO ARCHITECT (STRUCTURAL ENGINEER) AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY. MILL TEST REPORTS SHALL CERTIFY THAT CHARPY VANTOCH TESTING WAS CONDUCTED IN COMPLIANCE WITH ASTM A6, SUPPLEMENTARY REQUIREMENT S5, INCLUDING IMPACT TEST COMPLYING WITH ASTM A673 AT FREQUENCY P WITH MINIMUM AVERAGE VALUE OF 20 FT.-LBS. ABSORBED ENERGY AT 70 DEGREES FAHRENHEIT.	
3. CERTIFICATE OF COMPLIANCE FOR OFFSITE FABRICATION: SUBMIT FOR STRUCTURAL STEEL, GLU-LAMS, AND PLYWOOD-WEB JOISTS, PRECAST CONCRETE IN COMPLIANCE WITH APPLICABLE CODE SECTION 1701.7. SUBMIT TO OWNER, TESTING LABORATORY, ARCHITECT (STRUCTURAL ENGINEER) AND GOVERNING CODE AUTHORITY.	
4. WELD TESTING AND INSPECTION: TESTING LABORATORY WILL SUBMIT WELD TEST RESULTS TO OWNER, CONTRACTOR, ARCHITECT (STRUCTURAL ENGINEER) AND, UPON REQUEST, TO GOVERNING CODE AUTHORITY. SEE SPECIFICATIONS FOR TESTING REQUIREMENTS NOT INDICATED ON STRUCTURAL DRAWINGS. A. STRUCTURAL STEEL WELDING NOT DESTRUCTIVE TESTING REQUIREMENTS: APART FROM VISUAL INSPECTION AND REVIEW OF FABRICATION AND ERECTION REPORTS OF FABRICATOR/ERECTOR'S OWN QUALITY CONTROL TESTING AND INSPECTION, OWNER'S TESTING LABORATORY WILL PERFORM INDICATED SHOP AND FIELD INSPECTION AND TESTING. TESTING LABORATORY WILL BE AWS CERTIFIED AND WILL PROVIDE INSPECTORS FOR CONTINUOUS INSPECTION OF STEEL FABRICATION AND ERECTION AND STRUCTURAL WELDING. SHOP AND FIELD TESTING OF MATERIALS AND WELDING WILL BE AS FOLLOWS: I. COMPLETE JOINT PENETRATION WELDS: FOR STRUCTURES IN RISK CATEGORY III OR IV ULTRASONIC TESTING (UT) SHALL BE PERFORMED BY QA ON ALL CJP GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16 IN. THICK OR GREATER, FOR STRUCTURES IN RISK CATEGORY II, UT SHALL BE PERFORMED BY QA ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADINGS. IN MATERIALS 5/16 IN THICK OR GREATER, FOR STRUCTURES IN RISK CATEGORY I, NDT OF CJP GROOVE WELDS IS NOT REQUIRED. FOR ALL STRUCTURES IN ALL RISK CATEGORIES, NDT OF CJP GROOVE WELDS IN MATERIALS LESS THAN 5/16 IN THICK IS NOT REQUIRED. II. ACCESS HOLES: THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED BY QA USING MT OR PT, WHEN THE FLANGE THICKNESS EXCEEDS 2 IN. (50 MM) FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 IN FOR BUILT-UP SHAPES. ANY CRACK SHALL BE DEEMED UNACCEPTABLE REGARDLESS OF SIZE OR LOCATION.	
5. CONTINUOUS SPECIAL INSPECTION: UNLESS OTHERWISE INDICATED, CONTINUOUS SPECIAL INSPECTION WILL BE PERFORMED BY SPECIAL INSPECTOR COMPLYING WITH APPLICABLE CODE SECTION 1701 AND SPECIFICALLY APPROVED BY GOVERNING CODE AUTHORITY FOR EACH INSPECTION CATEGORY BELOW. PERIODIC INSPECTION IS NOT PERMITTED UNLESS INDICATED IN THE PROGRAM OR OTHERWISE ACCEPTED BY ARCHITECT (STRUCTURAL ENGINEER). SEE SPECIFICATIONS FOR ADDITIONAL SPECIAL INSPECTION REQUIREMENTS.	

MASONRY
1. SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (f _m): 1,500 PSI TYPICAL UNLESS NOTED OTHERWISE.
2. VERIFYING SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (f _m): USE MASONRY PRISM TESTING METHODS UNLESS OTHERWISE ACCEPABLE TO ARCHITECT (STRUCTURAL ENGINEER). FULL ALLOWABLE STRESSES ARE USED IN DESIGN. SUBMIT MASONRY PRISM DATA FOR EACH TYPE AND COMPRESSIVE STRENGTH OF MASONRY REQUIRED, WITH A PROFESSIONAL ENGINEER'S SIGNATURE AND STATE OF CALIFORNIA SEAL, TO ARCHITECT (STRUCTURAL ENGINEER). COMPLIANCE WITH MINIMUM REQUIRED COMPRESSIVE STRENGTH SHALL BE BASED ON APPLICABLE CODE SECTION 2105.3.
3. CONCRETE BLOCK: ASTM C90, MEDIUM WEIGHT, GRADE N-I AND APPLICABLE CODE STANDARD 21-4 ATTAINING A MINIMUM COMPRESSIVE STRENGTH AS REQUIRED TO MEET SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (f _m).
4. FACE BRICK: ASTM C216 AND APPLICABLE CODE STANDARD 21-1.
5. PORTLAND CEMENT FOR MORTAR AND GROUT: ASTM C150, TYPE I OR II. USE OF MASONRY CEMENT OR PLASTIC CEMENT IS NOT PERMITTED.
6. AGGREGATES FOR MORTAR AND GROUT: A. AGGREGATES FOR MORTAR: ASTM C144. B. AGGREGATES FOR GROUT: C404, COARSE TYPE.
7. MORTAR: ASTM C270, TYPE S. MIX IN PROPORTIONS ACCORDING TO APPLICABLE CODE TABLE 21-A TYPE S. (2,000 PSI MINIMUM).
8. GROUT: ASTM C476, COARSE TYPE, ATTAINING A MINIMUM COMPRESSIVE STRENGTH AS REQUIRED TO MEET SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (f _m). HOWEVER, IN NO CASE SHALL GROUT COMPRESSIVE STRENGTH BE LESS THAN 2,000 PSI AT 28 DAYS.
9. REINFORCING STEEL: REINFORCING STEEL SECTION OF GENERAL NOTES UNLESS INDICATED OTHERWISE.
10. COMPOSITE MASONRY WALL PENETRATION SUBMITTAL: SUBMIT FOR EACH WALL INDICATING SIZE AND LOCATION OF EACH WALL PENETRATION AND OPENING AS NECESSARY BY AFFECTED TRADES. SUBMIT TOGETHER WITH APPROPRIATE REINFORCING STEEL SHOP DRAWINGS. SUBMIT WRITTEN STATEMENT FROM SPECIAL INSPECTOR THAT NO ADDITIONAL PENETRATIONS OR OPENINGS WERE ADDED TO THOSE SHOWN IN PENETRATION SUBMITTAL.
11. REINFORCING STEEL SPLICES: LAP REINFORCING STEEL AT SPLICES A MINIMUM OF 48 BAR DIAMETERS, EXCEPT DOWELS IN FOOTINGS AT BASE OF WALLS SHALL SPLICE A MINIMUM OF 72 BAR DIAMETERS, UNLESS NOTED OTHERWISE. WHERE MINIMUM CLEAR DISTANCE BETWEEN BARS AT ADJACENT SPLICES IS 3 INCHES OR LESS, INCREASE LAP LENGTH 30 PERCENT UNLESS SPLICES ARE STAGGERED AT LEAST 24 BAR DIAMETERS.
12. DOWELS FOR WALLS, COLUMNS, PILASTERS, AND PIERS: MATCH SIZE AND SPACING OF VERTICAL REINFORCING STEEL UNLESS NOTED OTHERWISE. SET DOWELS TO ALIGN WITH CELLS CONTAINING REINFORCING STEEL.
13. MINIMUM REINFORCING STEEL CLEARANCES: A. MINIMUM CLEARANCES BETWEEN REINFORCING AND OUTSIDE FACE OF MASONRY: 2" EXCEPT IN NO CASE SHALL CLEARANCE BE LESS THAN 1 ½ db. B. MINIMUM CLEARANCE BETWEEN REINFORCING AND INSIDE FACE OF GROUT CELL: ½" C. MINIMUM CLEARANCE DISTANCE BETWEEN PARALLEL REINFORCING: 1" OR db, WHICHEVER IS LESS. INCREASE TO 1 ½" OR 1 ½ db, WHICHEVER IS LESS, AT COLUMNS, PILASTERS, AND PIERS ONLY.
14. PLACEMENT: SET COURSES IN RUNNING BOND PATTERN UNLESS INDICATE OTHERWISE. SET CELLS IN VERTICAL ALIGNMENT. PROVIDE FLUSH MORTAR JOINTS AT SURFACES TO RECEIVE WATERPROOFING OR DAMP-PROOFING.
15. GROUTING: GROUT SOLID ALL CELLS. MECHANICALLY VIBRATE GROUT IN CELLS. A. GROUT HEIGHT LIMITS: APPLICABLE CODE TABLE 21-C B. HORIZONTAL CONSTRUCTION JOINTS: HOLD GROUT 1 1/2 INCHES BELOW TOP OF MASONRY UNIT IF WORK IS STOPPED ONE HOUR OR LONGER. C. GROUT COVER AROUND REINFORCING STEEL, ANCHOR BOLTS AND INSERTS PENETRATING MASONRY SHELL: 1" MINIMUM.
16. HORIZONTAL BAR TERMINATING AT WALL ENDS AND OPENING JAMS: EXTEND BARS TO WITHIN 2 INCHES OF END OF WALL AND PROVIDE STANDARD A1 90-DEGREE HOOK UNLESS DETAILED OTHERWISE.

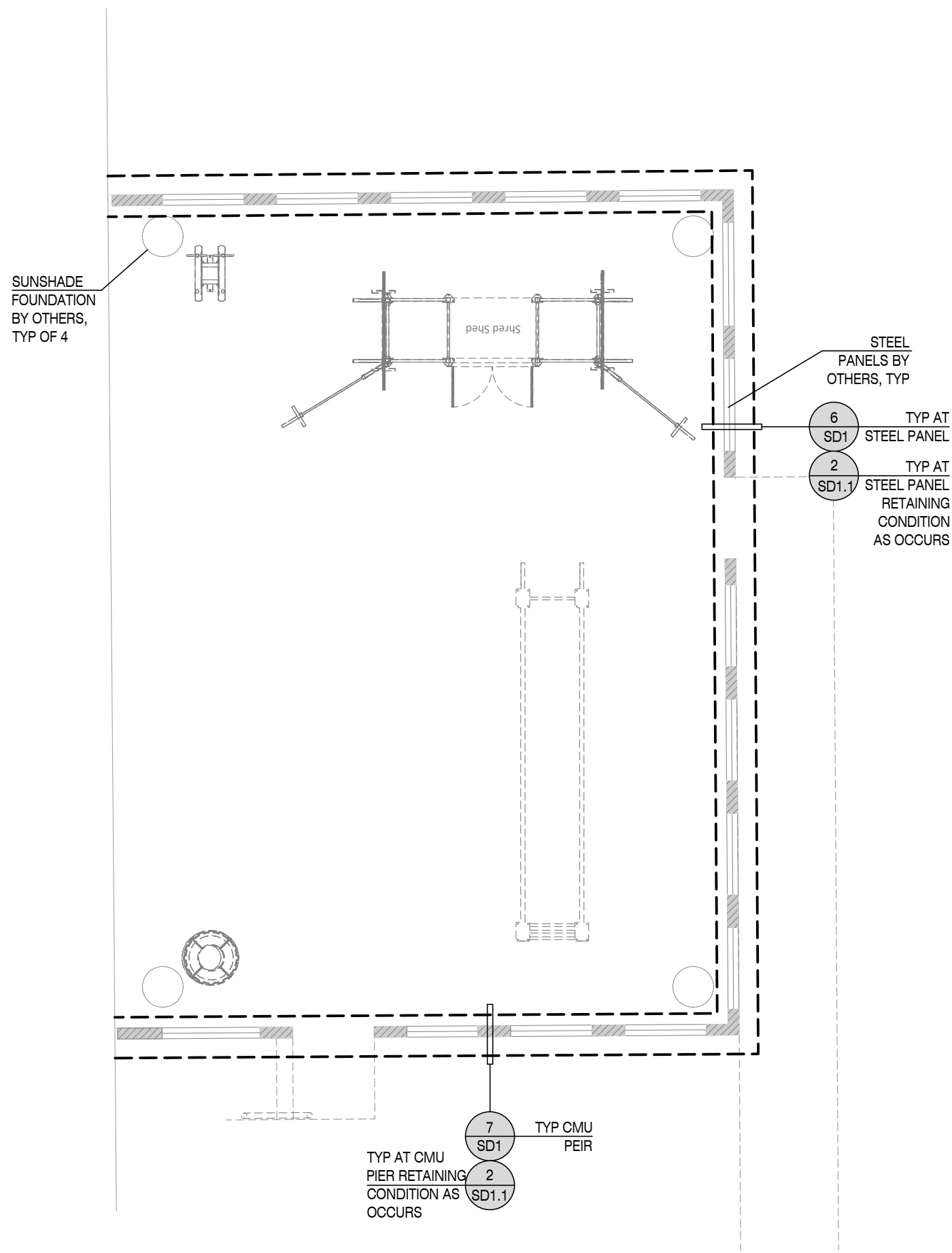
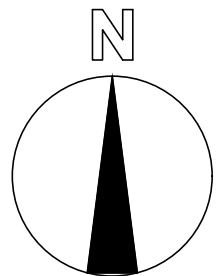
REINFORCING STEEL
1. REINFORCING STEEL: A. ALL BARS, U.N.C.: ASTM A615, GRADE 60 B. BARS TO BE WELDED: ASTM A706, GRADE 60 C. ADDITIONAL REQUIREMENTS FOR BARS, EXCLUDING TIES, IN DUCTILE MOMENT RESISTING FRAMES AND BOUNDARY ELEMENTS IN SHEAR WALLS: NO ADDITIONAL REQUIREMENTS IF ASTM A706, GRADE 60 BARS USED. ASTM615, GRADE 60 BARS ARE PERMITTED PROVIDED ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI (RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN ADDITIONAL 3,000 PSI) AND RATIO OF ACTUAL ULTIMATE TENSILE STRESS TO ACTUAL TENSILE YIELD STRENGTH IS NOT LESS THAN 1.25.
2. WIRE AND SPIRAL REINFORCING: A. SMOOTH WELDED WIRE FABRIC (W.W.F.): ASTM A185, FY=65 KSI, FLAT SHEETS ONLY. DO NOT USE ROLLED MESH. LAP SPACES (1 FOOT MINIMUM). OFFSET LAPS IN ADJACENT SHEETS TO AVOID CONTINUOUS LAPS. B. DEFORMED WIRE STIRRUPS (D4 AND LARGER ONLY): ASTM A497, FY=65 KSI. C. SPIRAL REINFORCING: ASTM A82, GRADE 60
3. SHOP DRAWINGS: ACI 315, PART 8. SHOW REINFORCING STEEL PLACEMENT INCLUDING SIZES, QUANTITIES, SPACING, CLEARANCES, SPLICE LOCATIONS, LAP LENGTHS, AND CONCRETE COVERAGE AND SUBMIT TO ARCHITECT (STRUCTURAL ENGINEER). PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO DEVELOPING SHOP DRAWINGS IF INSUFFICIENT CLEAR DISTANCES BETWEEN REINFORCING STEEL AND OTHER CONGESTION IS ENCOUNTERED. NOTIFY SPECIAL INSPECTOR OF ADJUSTMENTS MADE FROM APPROVED CONTRACT DOCUMENTS WHICH ARE INDICATED ON ACCEPTED SHOP DRAWINGS THAT FACILITATE FIELD PLACEMENT OF REINFORCING STEEL AND CONCRETE.
4. SPLICE LOCATIONS: SPLICE #5 BARS AND LARGER ONLY AT LOCATIONS INDICATED. IF ADDITIONAL SPLICE LOCATIONS ARE PROPOSED, PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) PRIOR TO DEVELOPING SHOP DRAWINGS. A. SPLICES IN WALLS: LOCATE SPLICES IN HORIZONTAL BARS AT WELL-STAGGERED LOCATIONS. DO NOT SPLICE VERTICAL BARS EXCEPT AT HORIZONTAL SUPPORTS SUCH AS FLOOR AND ROOF DIAPHRAGMS.
5. MINIMUM CLEARANCES BETWEEN PARALLEL REINFORCING STEEL INCLUDING DISTANCE BETWEEN SETS OF SPLICED BARS: 1" OR 1 db, WHICHEVER IS GREATER. 1 ½" OR 1½ db WHICHEVER IS GREATER, AT COLUMNS, PIERS, AND PILASTERS ONLY. FOR BUNDLED BARS, MINIMUM CLEAR DISTANCES BETWEEN UNITS OF BUNDLED BARS SHALL BE SAME AS SINGLE BARS EXCEPT BAR DIAMETER IS DERIVED FROM EQUIVALENT TOTAL AREA OF BUNDLE.
7. DOWELS AT CONSTRUCTION JOINTS: PROVIDE DOWELS MATCHING SIZE AND QUANTITY OF REINFORCING STEEL INTERRUPTED AT CONSTRUCTION JOINTS, UNLESS DETAILED OTHERWISE.
8. PLACEMENT OF BARS IN WALLS: PLACE VERTICAL BARS CLOSEST TO WALL SURFACES AT CURTAINS CONTAINING VERTICAL AND HORIZONTAL BARS OF THE SAME SIZE. IN CURTAINS WHICH VERTICAL AND HORIZONTAL BARS ARE OF DIFFERENT SIZES OR SPACING, PLACE LAYER WITH MOST STEEL AREA CLOSEST TO NEAR WALL SURFACE.
9. BARS TERMINATING AT WALLS, COLUMNS, BEAMS, AND FOUNDATIONS: EXTEND BARS TO WITHIN 2" (3" AT CONCRETE POURED AGAINST EARTH) OF FAR FACE OF WALL, COLUMN, BEAM OR FOUNDATION AND PROVIDE STANDARD ACI 90-DEGREE HOOK UNLESS DETAILED OTHERWISE.
10. BARS INTERRUPTED BY STRUCTURAL STEEL: EXTEND BARS TO WITHIN 2" OF STEEL FACE AND PROVIDE STANDARD ACI 90-DEGREE HOOK UNLESS DETAILED OTHERWISE.
11. WELDING: AWS D1.4 EXCEPT AS MODIFIED BY APPLICABLE CODE STANDARD 19-1. SEE RGA #3-77 OF CITY OF LOS ANGELES "R" BOOK FOR ADDITIONAL REQUIREMENTS IF GOVERNING CODE AUTHORITY IS CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY. A. ACCEPTABLE REINFORCING STEEL FOR WELDING ASTM A706: IF WELDING OF REINFORCING STEEL OTHER THAN A706 IS DESIRED, SUBMIT PROPOSED PROCEDURE, INDICATING CONFORMANCE TO APPLICABLE CODE AND REQUIREMENTS OF GOVERNING CODE AUTHORITY, TO ARCHITECT (STRUCTURAL ENGINEER) FOR ACCEPTANCE AND TO GOVERNING CODE AUTHORITY FOR APPROVAL PRIOR TO EXECUTION. B. WELDER CERTIFICATION: GOVERNING CODE AUTHORITY.
12. BENDING: BEND COLD UNLESS OTHERWISE ACCEPTED BY ARCHITECT (STRUCTURAL ENGINEER). DO NOT FIELD-BEND REINFORCING STEEL BARS EMBEDDED IN CONCRETE UNLESS OTHERWISE ACCEPTED IN WRITING BY ARCHITECT (STRUCTURAL ENGINEER).
13. LAP SPLICES: PROVIDE CLASS B SPLICES UNLESS INDICATED OTHERWISE.

<div><div>MIG</div><div>109 W. UNION AVE. FULLERTON, CA 92832</div><div>TEL 714/871-3638 FAX 714/871-1188 WWW.ISEENGINEERS.COM</div></div>	
CONSULTANT:	
<div>ISE</div> <div>STRUCTURAL ENGINEERS</div> <div>27369 VIA INDUSTRIAL TEMECULA, CA 92592</div> <div>WWW.ISEENGINEERS.COM SOCAL NORCAL COLORADO</div>	
PROJ # 25-7850.06	
CONSULTANTS	
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STRUCTURAL ENGINEERING ISE STRUCTURAL ENGINEERS 27369 VIA INDUSTRIA TEMECULA, CA 92590	
ELECTRICAL BUDLONG 633 W. 5TH STREET, 26 FLOOR LOS ANGELES, CA 90071	
DUARTE PARK TEEN CENTER PATIO	
1400 BUENA VISTA ST, DUARTE, CA 91010	
DATE	REVISION
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<div>REGISTERED PROFESSIONAL ENGINEER No. 00929 Exp. 9/30/25 CIVIL STATE OF CALIFORNIA</div>	
DATE	
SEPTEMBER 23, 2025	
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STRUCTURAL GENERAL NOTES	
SHEET NO.	
SN2	

FOUNDATION PLAN

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS. ALL CONSTRUCTION DIMENSIONS SHOULD BE VERIFIED WITH THE ARCHITECTURAL SET OF PLANS

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



GEOTECHNICAL INFORMATION

1. SOIL VALUES USED ARE BASED ON ASSUMED CODE MINIMUMS.
2. FOUNDATION SIZES, DEPTHS, AND REINFORCEMENT SHOULD BE COORDINATED WITH THE OWNER/DEVELOPER'S SOILS ENGINEERS REPORT. SOILS ENGINEER REPORT MAY REQUIRE ADDITIONAL ITEMS NOT NOTED ON THE STRUCTURAL PLANS.
3. CLIENT/OWNER SHALL ADDRESS CORROSIVE SOIL CONDITIONS. FOR HIGH SULFATE SOIL CONDITIONS, MITIGATE PER ACI TABLE 19.3.2.1. THE CLIENT/OWNER SHALL HAVE A CORROSION ENGINEER PROVIDE MITIGATION RECOMMENDATIONS FOR ALL OTHER CORROSIVE SOIL CONDITIONS. CLIENT IS RESPONSIBLE TO REVIEW STRUCTURAL PLANS AND DETAILS FOR COMPLIANCE TO CORROSION ENGINEERS RECOMMENDATIONS PRIOR TO CONSTRUCTION.

FOUNDATION NOTES

1. REFER TO STRUCTURAL DETAIL SHEETS (SD) FOR TYPICAL CONDITIONS NOT SPECIFICALLY CALLED OUT OR NOTED ON PLANS.
2. ALL DIMENSIONS SHALL BE PER THE CURRENT APPROVED STAMPED SET OF ARCHITECTURAL PLANS. OUR OFFICE SHOULD BE NOTIFIED IMMEDIATELY IF DISCREPANCIES EXIST BETWEEN THE ARCHITECTURAL & STRUCTURAL PLANS.
3. CONSTRUCT CONTINUOUS FOOTINGS AT CORNERS AND INTERSECTIONS PER DETAIL 3/SD1.



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PLAN

SHEET NO.

S1





CONSULTANT:

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Budlong

An MBE|SBE|DBE|LSBE Firm

Glendale|Downtown LA|Fremont|Camarillo
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MANAH H. CHRISTIAN

E 22864

9/30/27

STATE OF CALIFORNIA

DATE

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SHEET TITLE

ELECTRICAL
LEGEND AND
ABBREVIATIONS

SHEET NO.

E-0.2

CONDUIT/CONDUCTOR TYPE

NOTE: ALL LOW VOLTAGE CABLE TO BE PLENUM RATED.

CONDUCTOR/CABLE TYPES

- D —

DATA SYSTEM CONDUIT RUN 3/4"C, (1) 4-PAIR UTP CAT-6 CABLE U.O.N.
- V —

VOICE SYSTEM CONDUIT RUN 3/4"C, (1) 4-PAIR UTP CAT-6 CABLE U.O.N.
- 5D —

INDICATES DATA SYSTEM CONDUIT RUN WITH (5) 4-PAIR UTP CAT-6 CABLES U.O.N.
- D,T —

3/4"C. RACEWAY WITH ONE CAT-6 DATA CABLE AND ONE CAT-6 TELEPHONE CABLE.
- 2D,2T —

3/4"C. RACEWAY WITH (2)CAT-6 DATA CABLES AND (2) CAT-6 TELEPHONE CABLES.

CONDUIT FILL	
CONDUIT SIZE	MAX # OF CAT-6
3/4"	5
1"	9
1 1/4"	18
1 1/2"	22
2"	35
2 1/2"	55
3"	88

- CONDUIT: EXPOSED IN UNFINISHED AREA; CONCEALED ABOVE CEILING OR IN WALL IN FINISHED AREAS. 3/4"C, U.O.N. NO HASH MARKS, 2#12 AND 1#12 GREEN GROUND WIRES.
- A-1,3,5

←///

HOMERUN TO PANEL "A" CIRCUITS 1,3,5, CROSS LINES INDICATE NUMBER OF #10 IN ADDITION TO 1#10 GREEN GROUND. 3/4"C., U.O.N.
- · — · — · —

CONDUIT; IN OR BELOW FLOOR OR BELOW GRADE.
- ● —

RIGID THREADED CONDUIT WITH SEAL-OFF (CLASS I, DIV.2 CONDITION).
- —

CONDUIT SYSTEM RISER UP.
- —

CONDUIT SYSTEM RISER DOWN.
- 3/4"C, 2 #12 & 1 # 12 GROUND U.O.N.
- ///——

3/4"C, 3 #12 & 1 #12 GROUND.
- ///——

3/4"C, 4 #12 & 1 #12 GROUND.
- /////——

3/4"C, 5 #12 & 1 #12 GROUND.
- //////——

3/4"C, 6 #12 & 1 #12 GROUND.
- //////+——

3/4"C, 7 #12 & 1 #12 GROUND.
- //////+——

1"C, 8 #12 & 1 #12 GROUND.

FEEDER SIZES FOR THE STARLINE BUS SYSTEM SHALL BE AS FOLLOWS (U.O.N.):

- 400A

3P

4"C, 4#600KCM, 1#2G
- 250A

3P

2 1/2"C, 4#250KCM, 1#4G
- 100A

3P

1 1/2"C, 4#1, 1#8G
- 60A

3P

1"C, 4#6, 1#8G
- XXX

HATCHING ON BUS INDICATES CONNECTION TO THE UPS SYSTEM BUS DESIGNATOR
- 3P-30A

BUS SHOWING MODULE AND RESPECTIVE CIRCUIT BREAKER(S)

ELECTRICAL SYMBOLS

LIGHTING SYSTEM

- A

100

INDICATES FIXTURE TYPE A, 100 WATTS. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION.
- HATCHED PORTION OF LIGHT FIXTURE INDICATES CONNECTION TO THE EMERGENCY POWER SYSTEM.
- OS

OCCUPANCY SENSOR FOR LIGHTING CONTROL, CEILING MOUNTED, DUAL TECHNOLOGY ULTRASONIC - PASSIVE INFRARED PER SPECIFICATIONS. PROVIDE POWER PACKS AS REQUIRED FOR A COMPLETE, APPROVED, OPERATING SYSTEM.
- TS

ASTRONOMICAL TIME CLOCK.
- OCCUPANCY SENSOR FOR LIGHTING CONTROL, WALL MOUNTED, DUAL TECHNOLOGY ULTRASONIC - PASSIVE INFRARED PER SPECIFICATIONS. PROVIDE DUAL SWITCHING CAPACITY PER TITLE 24 WHERE REQUIRED.
- S₀xx

SINGLE POLE DIMMER SWITCH. SUBSCRIPTS "a" & "b" INDICATE SWITCH LEGS CONTROLLED AND GANGED ASSEMBLY WITH A SWITCH FOR EACH SUBSCRIPT. PROVIDE BARRIER FOR SEPARATION OF EMERGENCY POWER WHERE REQUIRED, +48" TO TOP OF BOX, U.O.N.
- ⊗_X

EXIT SIGN SHALL BE FURNISHED WHERE SHOWN.

POWER SYSTEM

- DUPLEX RECEPTACLE; 125V, 20 AMP, NEMA 5-20R. +18" U.O.N.
- HH

UNDERGROUND ELECTRICAL HANDHOLE

ELECTRICAL :

26.1.1 SCOPE

- A. FURNISH ALL LABOR AND FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT FOR A COMPLETE AND OPERATING ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND/OR SPECIFIED HEREINAFTER.
- B. REMOVE ABANDONED CONNECTORS, CABLE, RECEPTACLES, TELEPHONE OUTLETS AND ALL OUTLET BOXES, CONDUIT AND WIRE THROUGHOUT THE ENTIRE AREA.
- C. FURNISH, INSTALL AND CONNECT CONTROL CABLE AND CONNECTORS AS NOTED ON DRAWINGS.
- D. INSTALL AND CONNECT ALL OWNER FURNISHED EQUIPMENT AS NOTED. COORDINATE WITH OWNER BEFORE INSTALLATION.

26.1.2 GENERAL

- A. PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SERVICE, HOISTING, SUPPORT AND SUPERVISION FOR ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS AND AS SPECIFIED.
- B. THE ENTIRE WORK PROVIDED SHALL BE CONSTRUCTED AND FINISHED IN EVERY RESPECT IN A WORKMANLIKE AND SUBSTANTIAL MANNER. FURNISH AND INSTALL ALL WORK AS MAY BE NECESSARY TO COMPLETE THE SYSTEMS IN ACCORDANCE WITH THE BEST TRADE PRACTICE AND TO THE SATISFACTION OF THE OWNER. THE ENTIRE INSTALLATION SHALL BE READY IN EVERY RESPECT FOR SATISFACTORY AND EFFICIENT OPERATION WHEN COMPLETE.
- C. THE DRAWINGS SHOW VARIOUS CONDUIT AND WIRING SYSTEMS SCHEMATICALLY AND PROVIDE CIRCUIT NUMBERS FOR REFERENCE ONLY. BALANCE ALL PANELBOARDS AND RECORD ALL CIRCUIT NUMBERS ON AS-BUILT DRAWINGS.
- D. SUBMIT A SINGLE GUARANTEE STATING THAT ALL PORTIONS OF THE WORK ARE IN ACCORDANCE WITH CONTRACT REQUIREMENTS. GUARANTEE ALL WORK AGAINST FAULTY AND IMPROPER MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER EXCEPT THAT WHERE GUARANTEES OR WARRANTIES FOR LONGER TERMS ARE SPECIFIED BY CONTRACT, SUCH LONGER TERM SHALL APPLY. AT NO ADDITIONAL COST TO THE OWNER, WITHIN 24HOURS AFTER NOTIFICATION, CORRECT ANY DEFICIENCIES WHICH OCCUR DURING THE GUARANTEE PERIOD, ALL TO THE SATISFACTION OF THE OWNER.
- E. PROVIDE ALL MATERIAL AND EQUIPMENT AND MAKE THE FINAL CONNECTIONS TO ALL EQUIPMENT.

26.1.3 CODES AND PERMITS

- A. ALL WORK SHALL BE DONE IN FULL COMPLIANCE WITH THE CALIFORNIA ELECTRIC CODE AND ALL LOCAL CODES OR ORDINANCES HAVING JURISDICTION.
- B. ALL EQUIPMENT AND MATERIALS SHALL BE NEW EXCEPT WHERE SPECIFICALLY NOTED TO BE REUSED AND LISTED BY THE UNDERWRITER'S LABORATORIES, INC., MANUFACTURED IN ACCORDANCE WITH ASME, NEMA ANSI OR IEEE STANDARDS, AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION.
- C. SECURE AND PAY FOR ALL NECESSARY APPROVALS, PERMITS, INSPECTIONS, ETC., AND DELIVER THE OFFICIAL RECORDS OF THE GRANTING OF PERMITS TO THE OWNER WITHOUT ADDITIONAL COST TO THE OWNER.

26.1.4 COORDINATION

- A. COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER SECTIONS IN AMPLE TIME FOR THE PROPER INSTALLATION AND CONNECTION AND FOR THE PROVISION OF ALL OPENINGS REQUIRED IN FLOORS AND WALLS.
- B. CAREFULLY CHECK SPACE REQUIREMENTS WITH OTHER TRADES TO INSURE THAT ALL EQUIPMENT AND MATERIALS CAN BE INSTALLED IN THE SPACES ALLOTTED THERETO. INSTALL ALL WORK TO AVOID OBSTRUCTIONS AND TO PRESERVE HEADROOM AND CEILING HEIGHT REQUIREMENTS.
- C. CAREFULLY CHECK THE DOCUMENTS WITH OTHER TRADES TO ASCERTAIN THE REQUIREMENTS OF ANY MATERIALS OR EQUIPMENT BEING FURNISHED AND/OR INSTALLED BY THAT SECTION AND PROVIDE THE PROPER INSTALLATION AND/OR CONNECTIONS INCLUDING ANY CONTROL WIRING REQUIRED.
- D. BEFORE FABRICATION AND INSTALLATION OF SPECIAL SYSTEM OUTLETS VERIFY THE FINAL DESIRED LOCATION OF EQUIPMENT WITH OWNER.

26.1.5 CLEANING PREMISES

- A. THE CONTRACTOR SHALL KEEP ALL PARTS OF THE BUILDING AND SITE FREE FROM ANY ACCUMULATIONS OF RUBBISH OR WASTE MATERIALS CAUSED BY HIS WORKMEN, AND SHALL REMOVE SUCH ACCUMULATIONS FROM THE BUILDING, SITE AND PROPERTY. JOB SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY.

26.1.6 RECORD DRAWINGS

- A. KEEP UP TO DATE, A COMPLETE SET OF DRAWINGS WITH RED MARK TO INDICATE ANY CHANGES FROM THE ORIGINAL DRAWINGS. UPON COMPLETION OF THE INSTALLATION, FURNISH A COMPLETE SET OF MARKED UP DRAWINGS AS "RECORD DRAWINGS".THESE DRAWINGS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL. AFTER APPROVAL THEY SHALL BECOME THE PROPERTY OF THE OWNER. FINAL PAYMENT WILL BE WITHHELD UNTIL RECEIPT OF THE APPROVED DRAWINGS.

26.1.7 PROTECTION & SAFEGUARDS

- A. THE CONTRACTOR SHALL ERECT AND MAINTAIN SUITABLE BARRIERS, PROTECTIVE DEVICES, LIGHTS AND WARNING SIGNS WHERE REQUIRED FOR THE PROTECTION OF THE PUBLIC AND EMPLOYEES ABOUT THE BUILDING. HE SHALL BE FULLY RESPONSIBLE FOR ANY LOSS OR INJURY TO PERSONS OR PROPERTY RESULTING FROM HIS NEGLIGENCE OF THESE PRECAUTIONS, HIS OWN CARELESSNESS, OR THE CARELESSNESS OR NEGLIGENCE OF HIS EMPLOYEES, OR HIS SUB-CONTRACTOR AND/OR THEIR EMPLOYEES.

26.1.8 SHOP DRAWINGS

- A. WITHIN THIRTY (30) DAYS AFTER AWARD OF THE GENERAL CONTRACT, THE CONTRACTOR SHALL SUBMIT DIGITAL PDF OF ALL REQUIRED SHOP DRAWINGS AND BROCHURES. SHOP DRAWINGS AND BROCHURES WILL BE REQUIRED FOR THE FOLLOWING EQUIPMENT. SWITCHBOARDS, PANELBOARDS, CIRCUIT BREAKERS, LIGHT FIXTURES AND ANY SPECIAL EQUIPMENT. EQUIPMENT INSTALLED WITHOUT APPROVAL THEREOF SHALL BE DONE AT THE RISK OF THE CONTRACTOR AND THE COST FOR REMOVAL OF SUCH EQUIPMENT OR RELATED WORK WHICH IS JUDGED UNSATISFACTORY FOR ANY REASON SHALL BE AT THE EXPENSE OF THIS CONTRACTOR.

26.1.9 EXISTING CONDITIONS

- A. BEFORE SUBMITTING BID BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING AND OF THE PRESENT INSTALLATIONS TO WHICH CONNECTIONS MUST BE MADE OR WHICH MUST BE CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE.
- B. WHERE SPECIFICALLY CALLED FOR ON THE DRAWING OR WHEN PERMISSION IS SPECIFICALLY GIVEN BY THE OWNER, EXISTING EQUIPMENT AND MATERIAL MAY BE REUSED. SALVAGEABLE MATERIAL, UNLESS OTHERWISE INSTRUCTED BY HE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE SITE.

26.1.10 CUTTING & PATCHING

- A. THE CONTRACTOR SHALL DO ALL DRILLING, CUTTING, AND PATCHING OF GENERAL CONSTRUCTION WORK EXISTING OR NEW, ROUGH FINISH AND TRIM WHICH MAY BE REQUIRED FOR THE INSTALLATION OF ALL OF HIS WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS THE ORIGINAL WORK, AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.

26.1.11 GROUNDING SYSTEM

- A. ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND TITLE 24, CALIFORNIA ADMINISTRATIVE CODE, PART 3. SERVICE ENTRANCE EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE UTILITY COMPANY'S REQUIREMENTS.
- B. GROUNDING SHALL BE AS INDICATED ON THE DRAWINGS AND BONDED TO THE COLD WATER PIPING SYSTEM.
- C. PROVIDE A GROUNDING CONDUCTOR, WHICH SHALL BE IN ADDITION TO THE THE CIRCUIT CONDUCTORS INDICATED, IN EACH NONMETALLIC CONDUIT USED FOR LIGHTING AND POWER CIRCUITS.
- D. ALL SYSTEM GROUNDING CONDUCTORS SHALL BE COPPER. ALL GROUND CONNECTIONS SHALL BE ACCESSIBLE AND MADE WITH COPPER ALLOY FITTINGS.

26.1.12 PANELBOARDS

- A. ALL EXISTING PANELBOARDS ARE TO REMAIN. CONTRACTOR IS REQUIRED TO UPDATE THE PANEL DIRECTORY TO REFLECT THE CHANGES MADE ON PANEL LOADS.

26.1.13 WIRING DEVICES

- A. THE CATALOG NUMBERS OF ALL WIRING DEVICES, UNLESS OTHERWISE SPECIFIED ARE THOSE OF THE HUBBELL COMPANY, OR AS NOTED TO ESTABLISH THE QUALITY DESIRED. EQUAL EQUIPMENT BY GENERAL ELECTRIC, BRYANT, SIERRA, SLATER, LEVITON OR A&H WILL BE ACCEPTABLE.
- B. FURNISH AND INSTALL WALL SWITCHES AT EACH LOCATION INDICATED ON THE DRAWINGS. WHERE MORE THAN ONE SWITCH OCCURS AT THE SAME LOCATION, THEY SHALL BE INSTALLED UNDER A MULTIPLE GANG PLATE. SWITCH HANDLE SHALL BE WHITE COLOR. SWITCHES HANDLES SHALL BE WHITE COLOR. SWITCHES SHALL BE A.C. QUIET TYPE RATED 20 AMPERES AT 120 AND/OR 277 VOLTS. - n-LIGHT CONTROLS OR EQUIVALENT.
- C. FURNISH AND INSTALL CONVENIENCE RECEPTACLE AT EACH LOCATION INDICATED ON THE DRAWINGS. RECEPTACLE SHALL BE HUBBELL, LEVITON OR EQUIVALENT.

26.1.14 OUTLET BOXES

- A. JUNCTION BOXES SHALL BE 4 BY 4 BY 2-1/8 INCHES DEEP WITH COVERS UNLESS OTHERWISE NOTED OR REQUIRED BY CODE. JUNCTION BOXES ABOVE SUSPENDED CEILINGS FOR LIGHTING AND FOR DATA/COMMUNICATION SYSTEMS SHALL BE 4-11/16 BY 2-1/8 INCHES DEEP MINIMUM, TO BE INSTALLED ADJACENT TO RECESSED FIXTURE IN SUCH MANNER AS TO BE ACCESSIBLE THROUGH THE OPENING IN THE CEILING IN WHICH THE FIXTURE IS INSTALLED.

26.1.15 LIGHTING FIXTURES

- A. FURNISH AND INSTALL UNDERWRITERS LABORATORIES, INC. LISTED LIGHTING FIXTURES AS INDICATED ON DRAWINGS.
- B. ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH LAMPS.
- C. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL FIXTURE SUPPORTS FOR ALL FIXTURES.

26.1.16 CONDUIT, EMT AND FITTINGS

- A. RACEWAYS LARGER THAN 3-INCH SHALL BE GALVANIZED RIGID STEEL UNLESS OTHERWISE SPECIFIED.
- B. RIGID METAL RACEWAYS SHALL BE INSTALLED IN WET LOCATIONS, IN OR UNDER CONCRETE SLABS ON GRADE WITH OR WITHOUT VAPOR BARRIER, IN CONCRETE WALLS AND COLUMNS, IN CONCRETE SLABS, WALLS AND COLUMNS EXPOSED TO THE WEATHER WITH OR WITHOUT VAPOR BARRIERS; WHERE EXPOSED IN AREAS OPEN TO THE WEATHER, WHERE EXPOSED ON WALLS AND COLUMNS UP 6 FEET ABOVE THE FLOOR, EXCEPT IN ELECTRICAL OR TELEPHONE RISER CLOSETS; AND IN MECHANICAL ROOMS IN SIZES LARGER THAN 1-IN UP TO 7-FEET 0 INCHES ABOVE FINISHED FLOOR.
- C. ELECTRICAL METALLIC TUBING IN SIZES UP TO 3-INCH MAY BE INSTALLED IN INTERIOR SPACES WHERE RIGID RACEWAY IS NOT REQUIRED, AND WHERE PERMITTED BY THE LOCAL CODE AUTHORITIES HAVING JURISDICTION.
- D. JOIN ELECTRICAL METALLIC TUBING WITH WATERTIGHT STEEL COMPRESSION TYPE THREADLESS FITTINGS THROUGHOUT. USE CONNECTORS OF FACTORY PRE INSULATED TYPE IN ALL SIZES. EMT FITTINGS USING SET SCREWS ARE NOT ACCEPTABLE. EMT CONNECTIONS SHALL BE OF MALLEABLE IRON OR STEEL.
- E. FLEXIBLE RACEWAY SHALL BE STEEL AND SHALL BE USED FOR REMOVABLE LIGHTING FIXTURES IN FURRED CEILING SPACES AND AT LOCATIONS AS SHOWN. USE FACTORY PRE INSULATED FITTINGS OF THE TYPE APPROVED AS GROUNDING CONNECTORS. PROVIDE GROUNDING WIRE IN ALL NON-LIQUID TIGHT FLEXIBLE RACEWAY SIZED ACCORDING TO CODE. MAXIMUM LENGTH OF FLEXIBLE RACEWAYS SHALL BE 6-FEET.
- F. SURFACE RACEWAY SHALL BE WIREMOLD. PROVIDE DIVIDER WHERE SHOWN FOR COMBINATION POWER & DATA/COMM.

26.1.17 CONDUCTORS

- A. ALL CONDUCTORS SHALL BE COPPER WITH THHN 90 DEGREE C INSULATION.
- B. CONDUCTORS SHALL BE CONTINUOUS FROM OVER-CURRENT PROTECTIVE DEVICE TO TERMINAL OR FARTHEST OUTLET. NO JOINTS SHALL BE MADE EXCEPT IN PULL, JUNCTION OR OUTLET BOXES.
- C. JOINTS IN WIRES SMALLER THAN NO.6 SHALL BE MADE WITH IDEAL SUPER WIRE NUTS OR SCOTCH TYPE "R", "Y" OR "B" SPRING CONNECTORS. JOINTS IN WIRES NO. 6 AND LARGER SHALL BE MADE WITH APPROVED SOLDERLESS CONNECTORS. ALL JOINTS IN CABLES NO. 6 AND LARGER SHALL BE INSULATED AND TAPED.
- D. NEUTRAL CONDUCTORS SHALL NOT BE BROKEN AT ANY DUPLEX RECEPTACLE, LIGHTING FIXTURE OR SIMILAR WIRING DEVICE IN MULTI-WIRE (3 WIRE OR 4 WIRE) CIRCUITS. GROUNDED NEUTRAL SHALL NOT DEPEND ON DEVICE CONNECTIONS FOR CONTINUITY. NEUTRAL WIRES CAN BE SPliced TOGETHER WITH PIGTAIL TO NEUTRAL TERMINAL ON RECEPTACLE, LIGHTING FIXTURE OR SIMILAR DEVICE. IF DEVICE OR FIXTURE IS REMOVED, NEUTRAL WILL REMAIN CONTINUOUS.

26.1.18 EQUIPMENT CONNECTIONS

- A. MAKE CONNECTIONS TO ALL MOTORS, MOTOR CONTROLLERS AND ELECTRICALLY OPERATED EQUIPMENT WHETHER FURNISHED AS A PART OF THIS CONTRACT OR FURNISHED BY THE OWNER FOR INSTALLATION UNDER THIS CONTRACT. FURNISH AND INSTALL ALL CONDUITS AND CONDUCTORS REQUIRED FOR THESE CONNECTIONS AND FOR CONTROL WIRING AS INDICATED BY ELECTRICAL IN OTHER SECTIONS.

26.1.19 DISCONNECT SWITCHES AND CONTROL WIRING

- A. FURNISH AND INSTALL HORSE POWER RATED DISCONNECT SWITCHES FOR ALL MOTORS, CONTROL CIRCUITS AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED BY CODE WHETHER OR NOT SHOWN ON THE DRAWINGS. A DISCONNECT SWITCH SHALL BE LOCATED WITHIN SIGHT FROM THE CONTROLLER DISCONNECT LOCATION. WHERE A MOTOR IS NOT WITHIN SIGHT FROM THE CONTROLLER DISCONNECT LOCATION AN ADDITIONAL DISCONNECTING SWITCH SHALL BE PROVIDED WITHIN SIGHT OF THE MOTOR LOCATION.
- B. THE ELECTRICAL CONTRACTOR SHALL VERIFY WITH THE MECHANICAL CONTRACTOR FOR ITEMS, DEVICES OR EQUIPMENT THAT THE ELECTRICAL CONTRACTOR IS TO FURNISH, INSTALL AND/OR CONNECT FOR THE HEATING, VENTILATING, AIR CONDITIONING AND PLUMBING SYSTEM DEVICES UNDER THIS CONTRACT.



CONSULTANT:



CONSULTANTS

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SHEET TITLE

ELECTRICAL
SPECIFICATIONS

SHEET NO.

E-0.3

CONSULTANT:

B

Budlong

An MBE|SBE|DBE|LSBE Firm
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W W W . B U D L O N G . C O M
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TEMECULA, CA 92590

ELECTRICAL
BUDLONG
633 W. 5TH STREET, 26 FLOOR
LOS ANGELES, CA 90071

DUARTE PARK
TEEN CENTER
PATIO

1400 BUENA VISTA ST,
DUARTE, CA 91010

DATE	REVISION

STAMP

REGISTERED PROFESSIONAL ENGINEER

MANAH H. CHRISTIAN

E 22864

9/30/27

SEAL OF THE STATE OF CALIFORNIA

DATE
SEPTEMBER 23, 2025

SUBMITTAL

100% CONSTRUCTION
DOCUMENTS

CHECKED BY	XX
DRAWN BY	XX
PROJECT NO.	05622.01

SHEET TITLE
ELECTRICAL
PANEL SCHEDULE
AND LIGHT FIXTURE
SCHEDULE

SHEET NO.
E-0.4

PANEL: B										120/208 VOLT, 3 PH, 4W										225 AMP COPPER BUS									
LOCATION:										(PANEL TO HAVE BOLT-ON BREAKERS)										MAIN: LUGS ONLY									
MOUNTING: SURFACE FLUSH STANDING										LOAD: 66.0 kVA 201 AMPS																			
CK #	VA LOAD			LOAD DESCRIPTION	OUTLETS			CKT BKR	P	A	CKT BKR	P	A	OUTLETS			LOAD DESCRIPTION	VA LOAD			CK #								
	LINE A	LINE B	LINE C		O	R	L							A	P	L		R	O	LINE A		LINE B	LINE C						
1	1200			EXISTING LOAD - PLUG				1	20		20	1					EXISTING LOAD - PLUG	1200			2								
3		1200		EXISTING LOAD - PLUG				1	20		20	1					EXISTING LOAD - PLUG		1200		4								
5			1200	EXISTING LOAD - PLUG				1	20		20	1					EXISTING LOAD - AC UNIT			1200	6								
7	1200			EXISTING LOAD - IRRIGATION CONTROLLER				1	20		30	1					EXISTING LOAD - AIR HANDLER	1800			8								
9		1800		EXISTING LOAD - AIR HANDLER				1	30		30	1					EXISTING LOAD - AIR HANDLER		1800		10								
11			1800	EXISTING LOAD - AIR HANDLER				1	30		30	1					EXISTING LOAD - AIR HANDLER			1800	12								
13	1800			EXISTING LOAD - EXHAUST FAN				1	30		20	1					EXISTING LOAD	1200			14								
15		900		EXISTING LOAD - EXHAUST FAN				1	15		20	1					EXISTING LOAD		1200		16								
17				SPARE				1	20		20	1					SPARE			1200	18								
19	1.	720		PATIO AREA RECEPTACLES				1	20		20	1					EXISTING LOAD - COMPUTER ROOM	1200			20								
21	1.	1187		PATIO AREA LIGHTING				1	20		20	1					EXISTING LOAD - PLUGS		1200		22								
23				SPACE							20	1					EXISTING LOAD - PLUGS			1200	24								
25				SPACE							30	3					EXISTING LOAD - CONDENSOR UNIT	1801.3			26								
27		2340		EXISTING LOAD				2	30		-	-	-	-	-		-	1801.3			28								
29			2340	-	-	-	-	-	-		-	-	-	-	-		-		1801.3		30								
31	1801.3			EXISTING LOAD - CONDENSOR UNIT				3	30		30	3					EXISTING LOAD - CONDENSOR UNIT	1801.3			32								
33		1801.3		-	-	-	-	-	-		-	-	-	-	-		-		1801.3		34								
35			1801.3	-	-	-	-	-	-		-	-	-	-	-		-		1801.3		36								
37	1801.3			EXISTING LOAD - CONDENSOR UNIT				3	30		30	3					EXISTING LOAD - CONDENSOR UNIT	1801.3			38								
39		1801.3		-	-	-	-	-	-		-	-	-	-	-		-		1801.3		40								
41			1801.3	-	-	-	-	-	-		-	-	-	-	-		-			1801.3	42								
8522.6 11030 8942.6 SUB - TOTALS										SUB - TOTALS										10804	10804	10804							
NOTE: 1. PROVIDE MATCHING CIRCUIT BREAKER FOR PROPOSED CIRCUIT										LINE TOTALS:										19326	21833	19746							
2.										LCL ADDER										0	2251.6	2836.6							
3.										TOTAL VA PER PHASE										19326	24085	22583							
4.										LINE AMPS										161	201	188							

LIGHTING FIXTURE SCHEDULE										
TYPE	MANUFACTURER & MODEL NUMBER	MOUNTING	SOURCE COLOR TEMP LUMENS	WATTS	SYSTEM INPUT WATTS	VOLTAGE	DIMMING	DESCRIPTION	NOTES	
A	SELUX - OLML-F80-SB-2G105-40-UNV-DM	SHADE SAIL POLE MOUNTED	4,000K CCT 3,941 LUMENS	46W	46W	120	0-10V	LED FLOOD LIGHT 78 DEGREE OPTIC ADJUSTABLE HEAD / CONTRACTOR TO ADVISE LEAD WIRE NEEDED TO BOTTOM OF EXISTING POLE		
B	HEW - S10-H-L3-8-40-FTG-FINISH-DIM-VOLT	RECESSED WALL MOUNTED	4,000K CCT 530 LUMENS	13.8W	13.8W	120	0-10V	RECESSED LED STEP LIGHT FROSTED TEMPERED GLASS .188 THICK / 10IN BY 5IN TALL HOODED STEPLIGHT		

- GENERAL NOTES:
- PROVIDE ALL LIGHTING FIXTURES AS SHOWN COMPLETE WITH LAMPS, WIRED, CONTROLLED AND SECURELY ATTACHED TO SUPPORTS.
 - PROVIDE UL LISTED DRIVERS OR SCOKETS WITH MANUFACTURER LABEL LISTED PER THE INPUT SYSTEM WATTS AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE.
 - THE LIGHTING FIXTURES AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARDS AND REGULATIONS OF THE FOLLOWING:
A. UNDERWRITERS LABORATORIES (UL)
B. CALIFORNIA ELECTRICAL CODE (CEC)
C. LOCAL BUILDING AND LIFE SAFETY CODE AGENCIES.
D. LM-79-08, LM-80-08, TM-21-11, AND TITLE 20 LISTED
 - ALL FIXTURES AND WORKMANSHIP SHALL BE GUARANTEED FREE OF DEFECTS AND FULLY OPERATIONAL. ANY FIXTURES OR WORKMANSHIP FOUND TO BE DEFECTIVE DURING THE WARRANTY PERIOD WILL BE EITHER FIXED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 - PROVIDE ADEQUATE AND STURDY SUPPORT FOR EACH LIGHTING FIXTURE OR POLE LIGHT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE WEIGHT AND MOUNTING METHOD OF ALL FIXTURES AND FURNISH AND INSTALL SUITABLE SUPPORTS OR BASE FOOTINGS. FIXTURE MOUNTING ASSEMBLIES SHALL COMPLY WITH ALL LOCAL SEISMIC CODES AND REGULATIONS.
NOTE: CONTRACTOR SHALL REFER TO ARCHITECTURAL OR STRUCTURAL DRAWINGS FOR FOOTING REQUIREMENTS.
 - PROVIDE ALL LIGHT FIXTURES EQUIPPED WITH COMPATIBLE DIMMING DRIVERS PER THE LIGHTING CONTROLS SYSTEM.
 - PROVIDE UL924 DEVICES FOR ALL EMERGENCY FIXTURES. ALL LIGHTING FIXTURES EQUIPPED WITH EMERGENCY BATTERY BACK-UP SHALL BE PROVIDED WITH A UN-SWITCHED HOT WIRE PER MANUFACTURER DIRECTIONS.
 - AT THE COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAN LENSES AND REFLECTORS OF ALL LIGHT FIXTURES SO AS TO RENDER THEM FREE OF ANY MATERIAL, SUBSTANCE OR FILM FOREIGN TO THE FIXTURE. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES SHALL BE REPLACED IN A SATISFACTORY MANNER.
 - CONTRACTOR SHALL CONFIRM ALL LIGHT FIXTURE VOLTAGES WITH LIGHTING PLANS AND LIGHTING PANEL SCHEDULES.
 - PROVIDE ALL FINISHES FOR ALL LIGHT FIXTURES PER THE ARCHITECTS FINAL SELECTION.

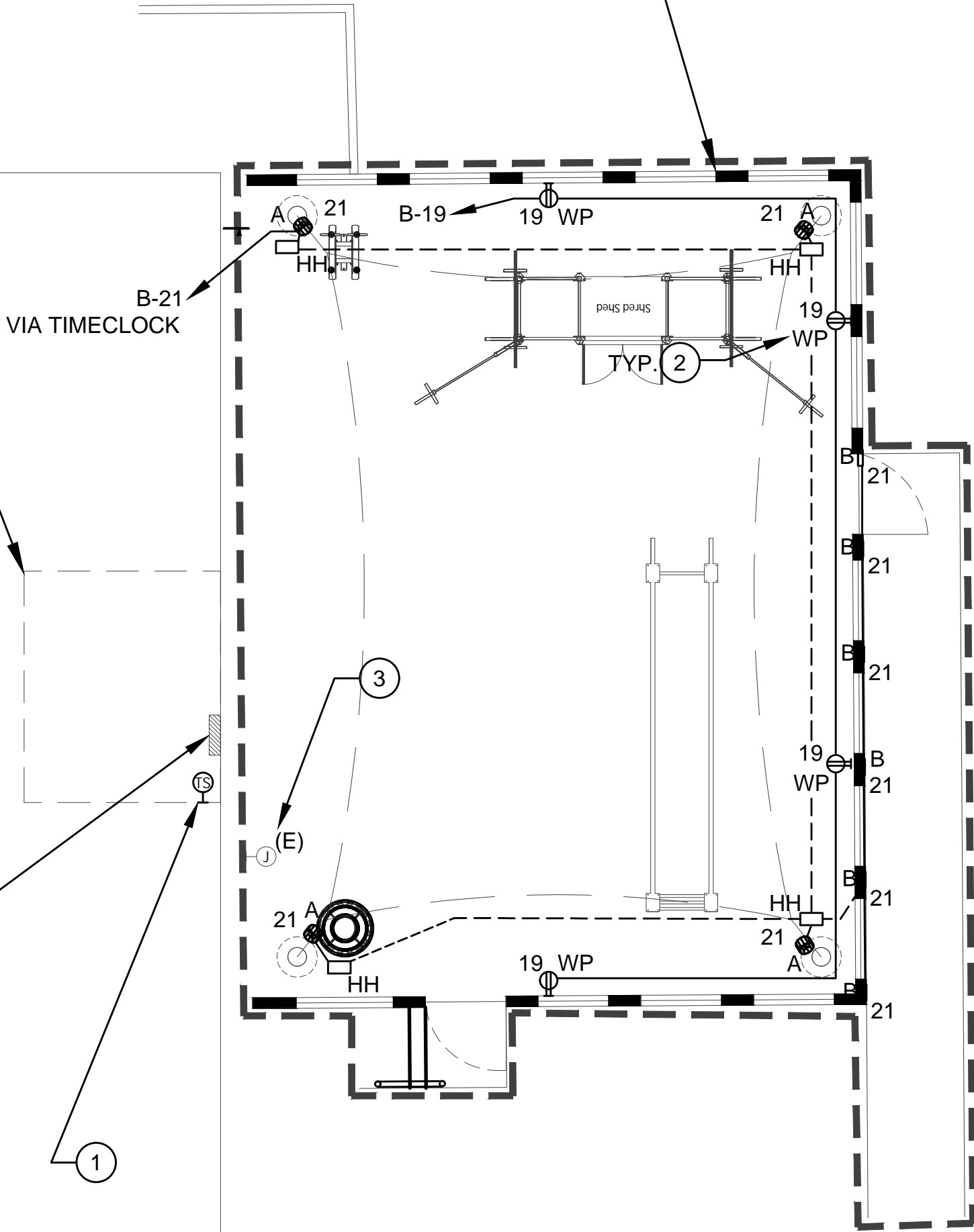


Underground Service Alert of
Southern California

811 or 800-422-4133

ADJACENT TEEN
CENTER BUILDING
EXISTING
ELECTRICAL
ROOM

PROJECT
BOUNDARY

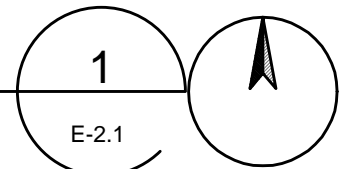


(E) PANEL B, 225A 120/208V, 3P, 4W



ELECTRICAL REMODEL SITE PLAN

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



GENERAL NOTES

- A. THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO VERIFY ALL EXISTING CONDITIONS IN RELATION TO THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS. ANY DISCREPANCIES NOTED BETWEEN THE EXISTING CONDITIONS AND THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMITTING OF BIDS.
- B. SCHEDULING AND PHASING FOR DEMOLITION WORKS SHALL BE UNDERTAKEN WITH MINIMAL DISRUPTIONS ON THE OPERATIONS ON THE ELECTRICAL SYSTEMS OF THE AREAS/BUILDINGS/ROOMS NOT INCLUDED IN THE PROJECT SCOPE OF WORK.
- C. EQUIPMENT SHOWN IN THE DRAWINGS TO BE REMOVED SHALL BE TAKEN OUT FROM THE SITE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS. EQUIPMENT REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A LOCATION ACCEPTABLE TO THE OWNER.
- D. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION PRIOR TO START OF ANY DEMOLITION WORK AND REPORT ANY DISCREPANCIES NOTED TO THE ENGINEER-ON-RECORD (EOR).
- E. CONTRACTOR TO DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AS SHOWN ON PLANS. DISCONNECT AND REMOVE THE EXISTING EQUIPMENT INCLUDING THE ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
- F. MAINTAIN CONTINUITY OF EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING TO REMAIN. PROVIDE NEW CONDUIT AND WIRING TO EXTEND EXISTING CIRCUITS AS MAY BE REQUIRED.
- G. DISCONNECT, REMOVE AND RELOCATE ANY BRANCH CIRCUIT CONDUITS THAT ARE IN CONFLICT WITH NEW CONSTRUCTION WORK. THE CONTINUITY OF ANY PART OF THE CIRCUITS TO REMAIN SHALL BE MAINTAINED AND KEEP IN OPERABLE CONDITION.
- H. PROTECT EXISTING ELECTRICAL EQUIPMENT AND INSTALLATION SHOWN TO TO REMAIN. IF DAMAGED WHILE UNDERTAKING THE WORK, REMOVE THE DAMAGED SYSTEM OR EQUIPMENT AND REPLACE REPLACE WITH THE SAME OR EQUIVALENT PRODUCT OF EQUAL CAPACITY AND TECHNICAL SPECIFICATIONS.
- I. WHEN NEW WORK INTERFERES WITH EXISTING EQUIPMENT OR SYSTEM WORK OR OTHER TRADES, DISCONNECT, REMOVE AND RELOCATE SAID EQUIPMENT OR SYSTEM WITHOUT INCURRING ADDITIONAL COST ON THE PART OF THE OWNER.
- J. IN THE PROCESS OF REMOVING WIRING DEVICES, LIGHTING FIXTURES AND OTHER ELECTRICAL EQUIPMENT AND MATERIAL, CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO AVOID DAMAGE TO THE ARCHITECTURAL SURFACES AND MATERIALS WHICH ARE TO REMAIN INCLUDING WALLS, FLOORS, CEILINGS, WINDOWS, DOORS, MOLDINGS, STRUCTURAL MEMBERS, ETC. THE COST TO REPAIR OR ANY MATERIAL DEEMED DAMAGED BY THE CONTRACTOR DURING PERFORMANCE OF HIS CONTRACT SHALL BE PAID BY THE CONTRACTOR TO THE OWNER.
- K. SHOULD THE ELECTRICAL SERVICE BE DISRUPTED DUE TO CONSTRUCTION WHILE THE BUILDING IS OCCUPIED, THE CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL POWER AT NO ADDITIONAL COST TO THE OWNER.

REMODEL KEYNOTES

- 1 PROVIDE COMPATIBLE ASTRONOMICAL TIME CLOCK FOR DAYLIGHT AVAILABILITY AND AUTOMATIC SCHEDULING CONTROLS OF PATIO LIGHTING. USE TYPE WATTSTOPPER #RT-200 OR APPROVED EQUAL.
- 2 PROVIDE RECEPTACLE WITH WEATHER PROOF, NEMA 3R, LOCKABLE COVER.
- 3 EXISTING WALL MOUNTED ELECTRICAL EQUIPMENT TO REMAIN AS IS AND PROTECTED DURING REMODEL.



CONSULTANT:



CONSULTANTS

LANDSCAPE ARCHITECTURE
MIG, INC.
109 W. UNION AVENUE
FULLERTON, CA 92832

CIVIL + SURVEY
BKF ENGINEERS
4675 MACARTHUR COURT
SUITE 400
NEWPORT BEACH, CA 92660

STRUCTURAL ENGINEERING
ISE STRUCTURAL ENGINEERS
27369 VIA INDUSTRIA
TEMECULA, CA 92590

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SHEET TITLE

ELECTRICAL
REMODEL SITE
PLAN

SHEET NO.

E-1.1

CONSULTANT:

B

Budlong

An MBE|SBE|DBE|LSBE Firm
Glendale|Downtown LA|Fremont|Camarillo
W W W . B U D L O N G . C O M
24-240

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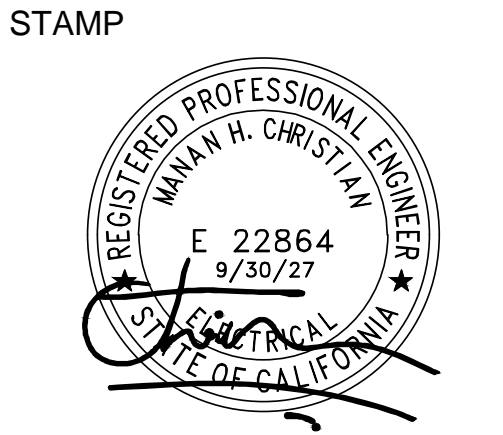
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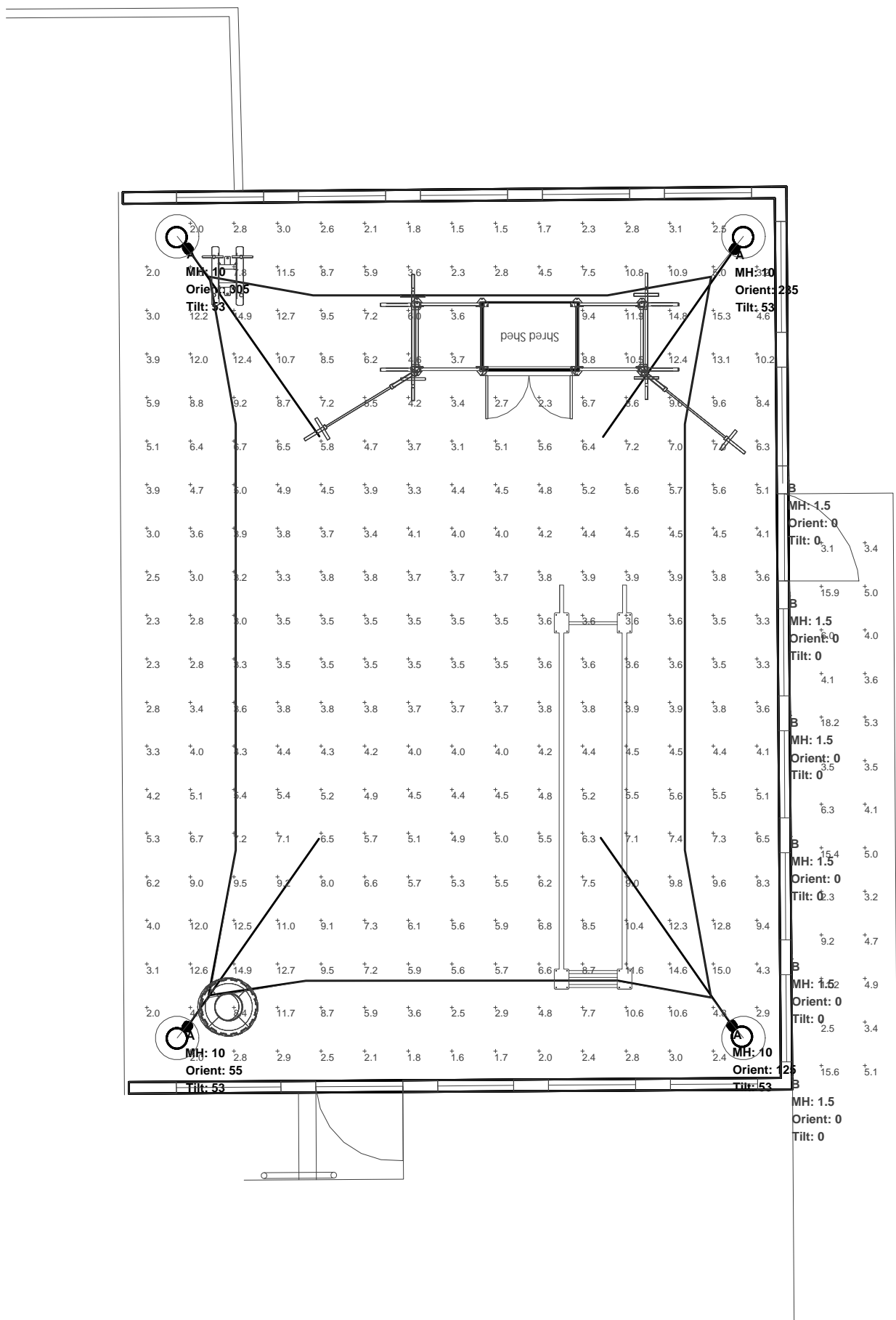
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DRAWN BY	XX
PROJECT NO.	05622.01

SHEET TITLE

ELECTRICAL
NORMAL
PHOTOMETRIC
CALCULATIONS

SHEET NO.

E-2.1



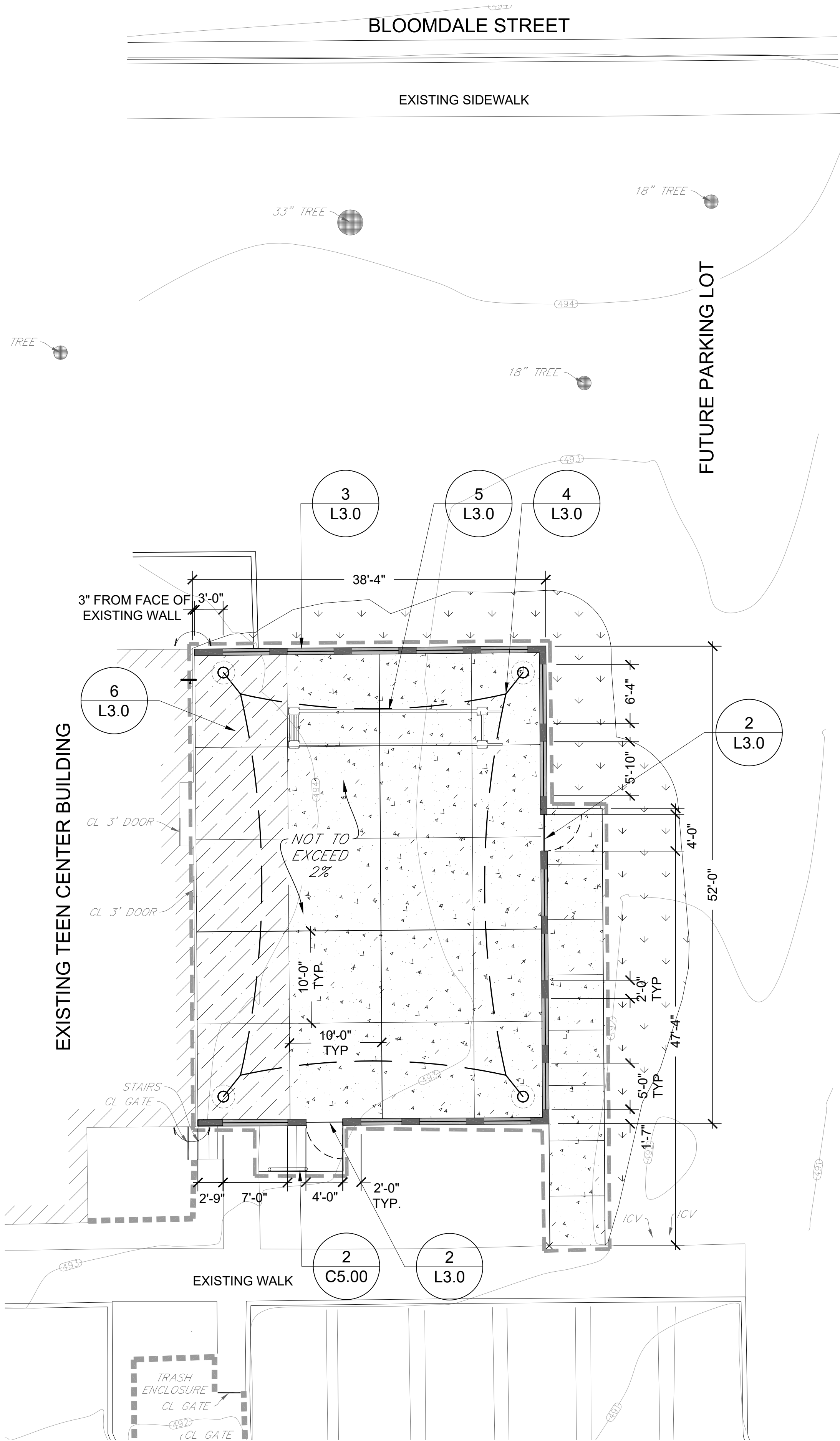
Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Arr. Lum. Lumens	LLF	Description
⊕	4	A	Single	3941	0.850	Selux // OLML-F80-X-2G105-30-XX-UNV
⊖	6	B	Single	530	0.850	WILLIAMS // S10-H-L3-840-FTG-WH
Calculation Summary						
Label	CalcType		Units	Avg	Max	Min
Path	Illuminance		Fc	6.48	18.2	2.3
Patio	Illuminance		Fc	5.58	15.3	1.5

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL GUIDELINES AND BUILDING CODES.
2. THE CONTRACTOR SHALL APPLY FOR, OBTAIN AND PAY FOR ALL REQUIRED PERMITS. PERMITS SHALL BE POSTED IAW LOCAL, STATE AND FEDERAL REGULATIONS.
3. ALL WORK, MATERIAL AND EQUIPMENT UTILIZED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
4. ALL WORK FOR THIS PROJECT SHALL CONFORM TO STANDARDS PUBLISHED BY RECOGNIZED PROFESSIONAL AND INDUSTRY ORGANIZATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND SHALL FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
6. THE CONTRACTOR SHALL SEEK CLARIFICATION PRIOR TO BIDDING FROM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE LANDSCAPE ARCHITECTURE, ARCHITECTURAL, CIVIL, ET AL DRAWINGS. THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
7. THE CONTRACTOR SHALL SEEK CLARIFICATION PRIOR TO BIDDING OF ANY QUESTIONS CONCERNING CONDITIONS, DRAWINGS, DETAILS AND SPECIFICATIONS THAT WILL AFFECT SUBMISSION OF A COMPLETE AND ACCURATE BID.
8. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT AND OWNER FOR ANY DEVIATION FROM THE CONTRACT DOCUMENTS.
9. ALL REQUESTS FOR INFORMATION, CLARIFICATION, DEVIATION, OR SUBSTITUTION FOR ITEMS ON THE CONTRACT DOCUMENTS SHALL BE MADE IN WRITING THROUGH THE OWNER'S REPRESENTATIVE. THE LANDSCAPE ARCHITECT SHALL HAVE SEVEN (7) WORKING DAYS IN WHICH TO RESPOND.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND MAINTAINING ALL CONSTRUCTION AREAS FREE OF DEBRIS AND HAZARDOUS MATERIALS THROUGHOUT THE CONSTRUCTION PROCESS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ANY ITEMS/ AREAS DAMAGED DURING THE CONSTRUCTION PROCESS.
12. THE CONTRACTOR SHALL LAYOUT AND VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
13. DIMENSIONS SHALL NOT BE SCALED FROM THE CONTRACT DOCUMENTS. DIMENSIONS SHOWN ON THE PLANS SHALL RULE. IN THE CASE OF AMBIGUITY THE CONTRACTOR SHALL REQUEST A CLARIFICATION OF DIMENSION FROM THE LANDSCAPE ARCHITECT.
14. WHERE THERE IS A DISCREPANCY BETWEEN THE QUANTITY SHOWN ON THE MATERIALS LIST AND THE QUANTITY SHOWN ON THE PLANS, THE PLANS SHALL RULE.
15. ALL DIMENSIONS SHOWN ARE FROM FINISH FACE TO FINISH FACE UNLESS OTHERWISE NOTED.
16. CONTRACTOR TO POT HOLE ADJACENT TO EXISTING BUILDING TO VERIFY EXISTING BUILDING FOOTING AND TO CONFIRM CONSTRUCTABILITY OF PROPOSED IMPROVEMENTS.

MATERIALS LEGEND NOTES:

1. QUANTITIES AND MATERIALS PROVIDED ON THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. ALL QUANTITIES AND MATERIALS SHOULD BE VERIFIED WITH THE PLANS. THE CONTRACTOR IS OBLIGATED TO PROVIDE ALL ITEMS/MATERIALS IN THE QUANTITIES SHOWN ON THE PLANS REGARDLESS OF WHETHER THEY ARE LISTED ON THE MATERIAL LIST.
2. UNLESS OTHERWISE NOTED, ALL ITEMS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION AND RECOMMENDATIONS FOR PUBLIC INSTALLATIONS.
3. UNLESS OTHERWISE NOTED, ALL ITEMS ARE CONSIDERED TO HAVE AN "OR EQUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EQUALITY OF EACH PRODUCT SUBSTITUTION, INCLUDING, BUT NOT LIMITED TO, COLOR, PERFORMANCE, WARRANTY, ANY THEMING, NOTED OR NOT AND SIZE/SHAPE.
4. CONTRACTOR REQUIRED TO SUBMIT AN "EQUALITY" CHECKLIST AS PART OF SUBSTITUTION PACKAGE. LIST PROPOSED SUBSTITUTION AND SPECIFIED PRODUCT AND PROVIDE A COMPARISON CHART.
5. ANY/ALL SUBSTITUTIONS SHALL BE SUBMITTED NO LATER THAN 30 DAYS (WORKING) AFTER AWARD OF PROJECT. AFTER 30 DAYS, CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SPECIFIED ITEM, NO EXCEPTIONS TAKEN. ANY/ALL SUBMITTALS AFTER THIS TIME WITH A SUBSTITUTED ITEMS WILL BE REJECTED WITH NO REVIEW FROM DESIGN TEAM.
6. BURDEN OF PROOF AS TO EQUALITY OF ANY MATERIAL SUBMISSIONS OR "OR EQAUL" JUSTIFICATION DATA SHALL NOT IN ANY WAY AUTHORIZE AN EXTRA COST OR EXTENSION OF TIME TO THE CONTRACT.
7. USE OF APPROVED SUBSTITUTION SHALL IN NO WAY RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
8. IN THE EVENT MATERIALS ARE SUBSTITUTED AND INSTALLED WITHOUT PROPER AUTHORIZATION, THE CONTRACTOR SHALL REMOVE SUCH MATERIALS AND INSTALL THOSE SPECIFIED AT NO EXTRA COST OR TIME TO THE CONTRACT.
9. SUBSTITUTIONS MAY BE SUBJECT TO APPROVAL BY AN ENFORCEMENT AGENCY AND IN SUCH CASE THE REQUIREMENTS OF THE ENFORCEMENT AGENCY SHALL BE FOLLOWED AT NO EXTRA COST OR TIME TO THE CONTRACT.
10. THE ADMISSIBILITY OF A PROPOSED SUBSTITUTION SHALL BE DETERMINED SOLELY BY THE SPECIFYING ARCHITECT. THE ARCHITECT'S DECISION SHALL BE FINAL.
11. SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN THEY ARE INDICTED OR IMPLIED ON SHOP DRAWINGS OR PRODUCT DATA SUBMITTALS WITHOUT SEPARATE WRITTEN REQUEST, OR WHEN ACCEPTANCE WILL REQUIRE A REVISION TO THE CONTRACT DOCUMENTS. IF SAID REVISION IS NECESSARY AND REQUESTED BY CONTRACTOR, CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIME AND MATERIAL OF SPECIFYING ARCHITECT TO COMPLETE REVISION.
12. SUBSTITUTIONS MAY BE CONSIDERED AFTER THE 30 DAY LIMITATION WHEN A PRODUCT BECOMES UNAVAILABLE THROUGH NO FAULT OF THE CONTRACTOR.
13. ARCHITECT SHALL REVIEW THE INITIAL SUBMITTAL OF SHOP DRAWINGS AND SAMPLE SUBMISSIONS AND ONE RESUBMITTAL WITHOUT COST TO CONTRACTOR. THE COST OF REVIEW OF MULTIPLE RESUBMITTALS SHALL BE BACK CHARGED TO CONTRACTOR AT A TIME AND MATERIALS BASIS.
14. IN THE EVENT A PRODUCT IS UNAVAILABLE, OUT OF STOCK OR NO LONGER MANUFACTURED, CONTRACTOR SHALL SUBMIT AN EQUAL PRODUCT AT NO ADDITIONAL COST TO OWNER.



LEGEND

- PEDESTRIAN CONCRETE PAVING, SEE CIVIL DRAWINGS
- TURF RESTORATION AND REROUTING OF EXISTING IRRIGATION TO BE COMPLETED BY FIELD SERVICES PER DIRECTOR OF P&R/DIRECTOR OF CD
- GREENTEX FIELD GREEN SYNTHETIC TURF. SEE DETAIL 6, SHEET L3.0
- CONCRETE WALL WITH STEEL PANELS, SEE DETAIL 3, SHEET L3.0
- CUSTOM BOXING RIG BY ADVANCED EXERCISE. SEE DETAIL 5, SHEET L3.0
- 4 POINT HYPAR SHADE SAIL STRUCTURE. SEE DETAIL 4, SHEET L3.0
- LIMIT OF WORK
- CONSTRUCTION JOINT



CONSULTANT:

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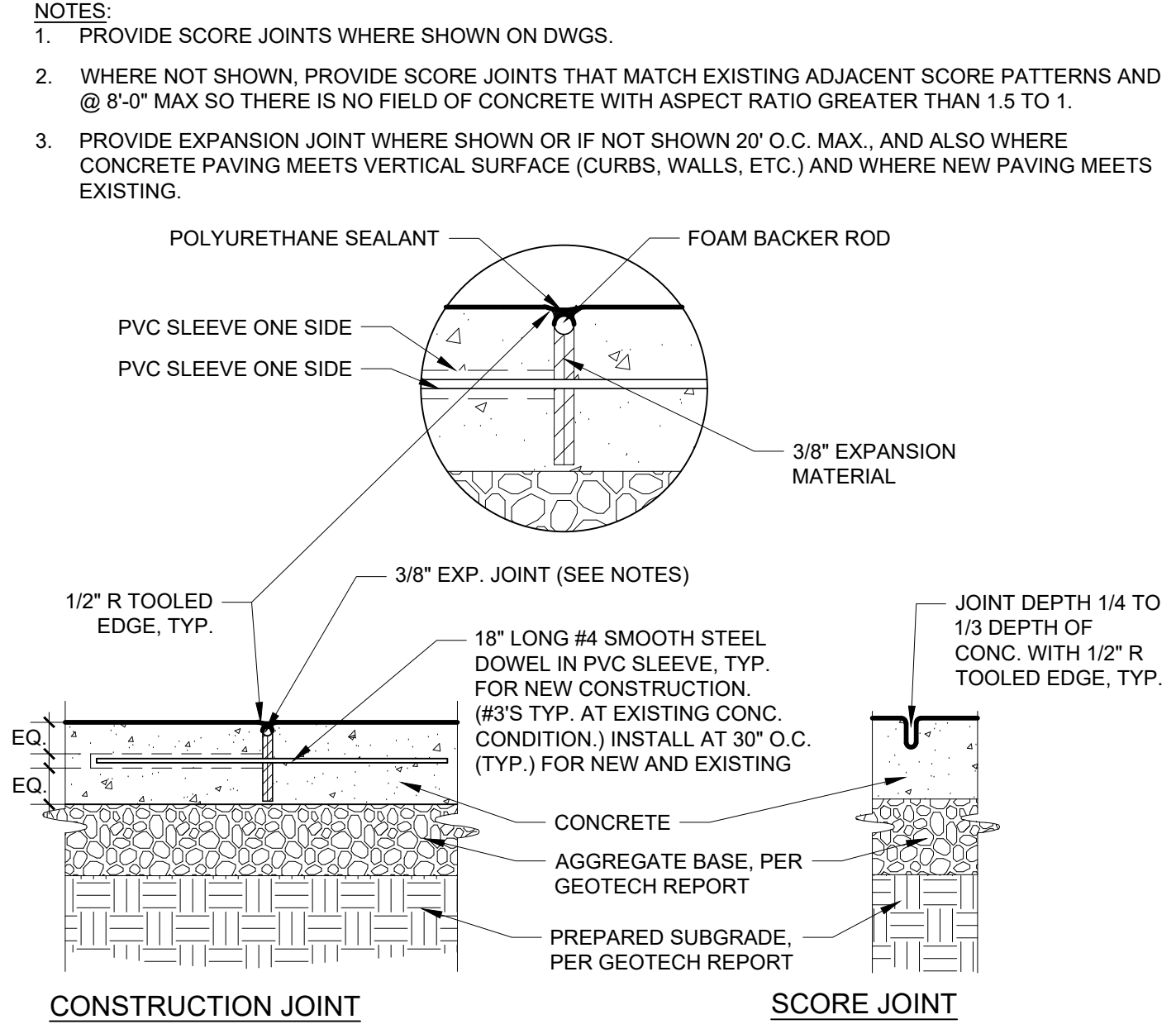
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CHECKED BY	OJ
DRAWN BY	AD, DG
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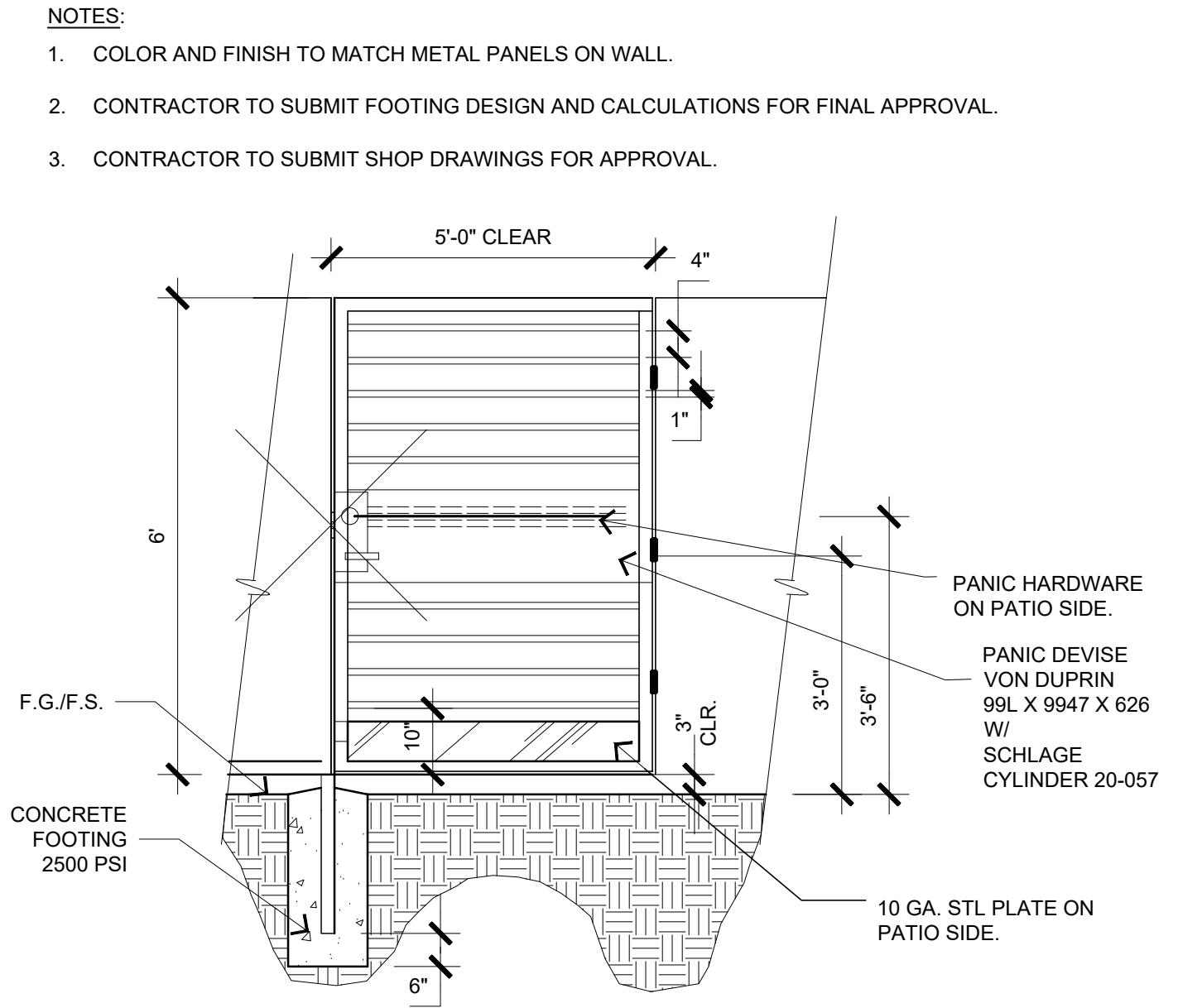
SHEET TITLE
LANDSCAPE
MATERIAL PLAN
AND GENERAL
NOTES

SHEET NO.
L2.0



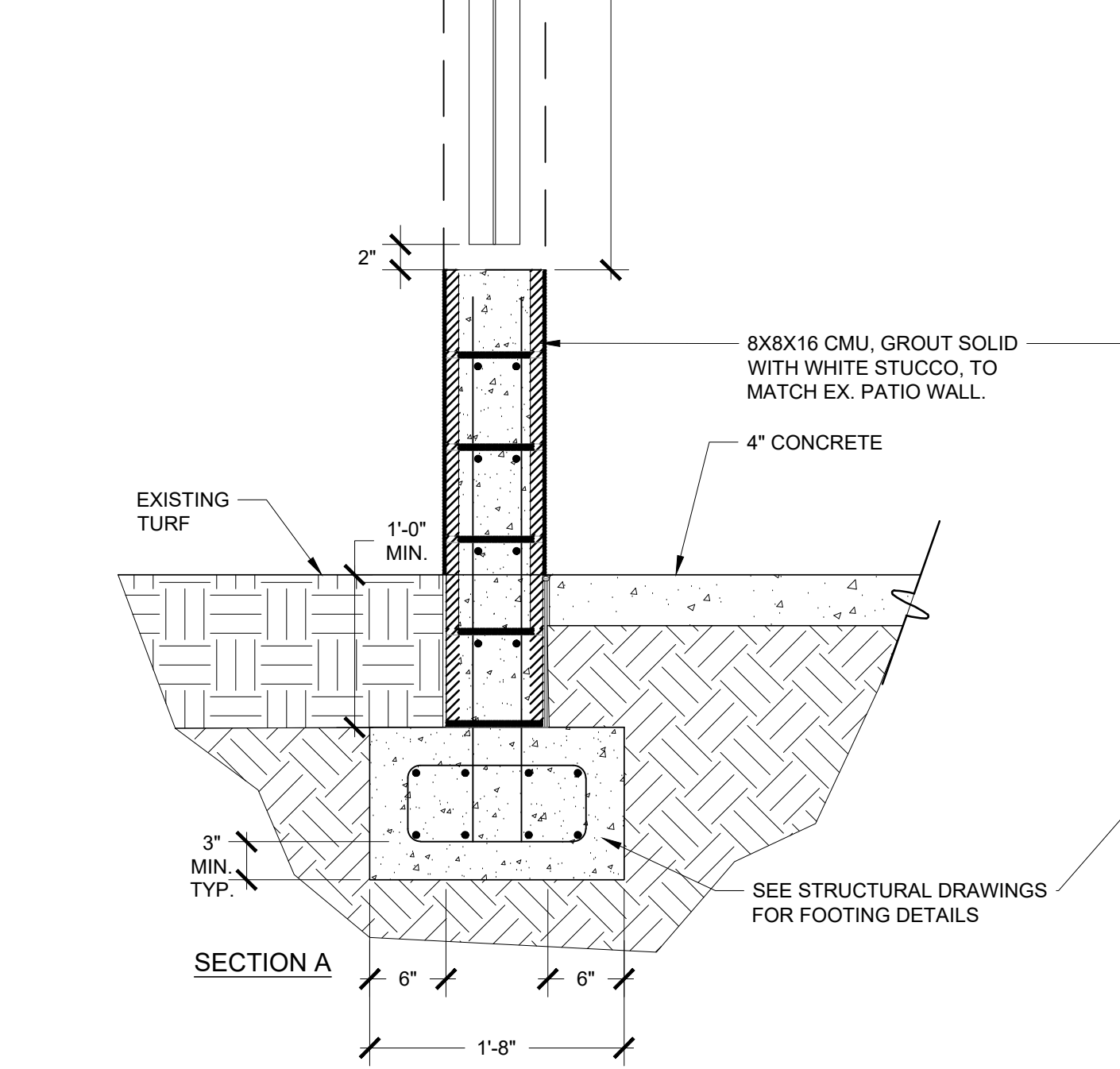
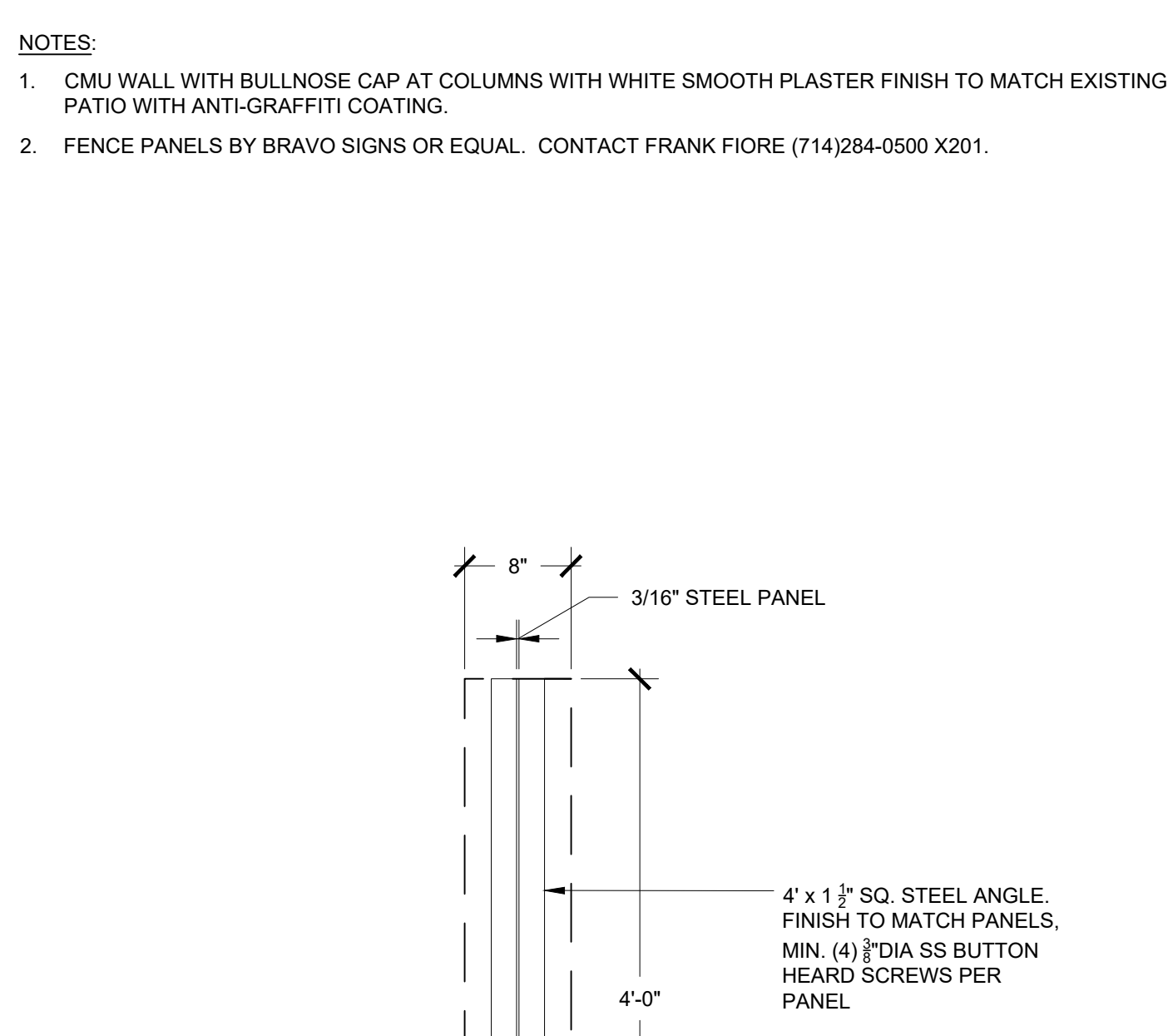
1 CONCRETE JOINTS

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



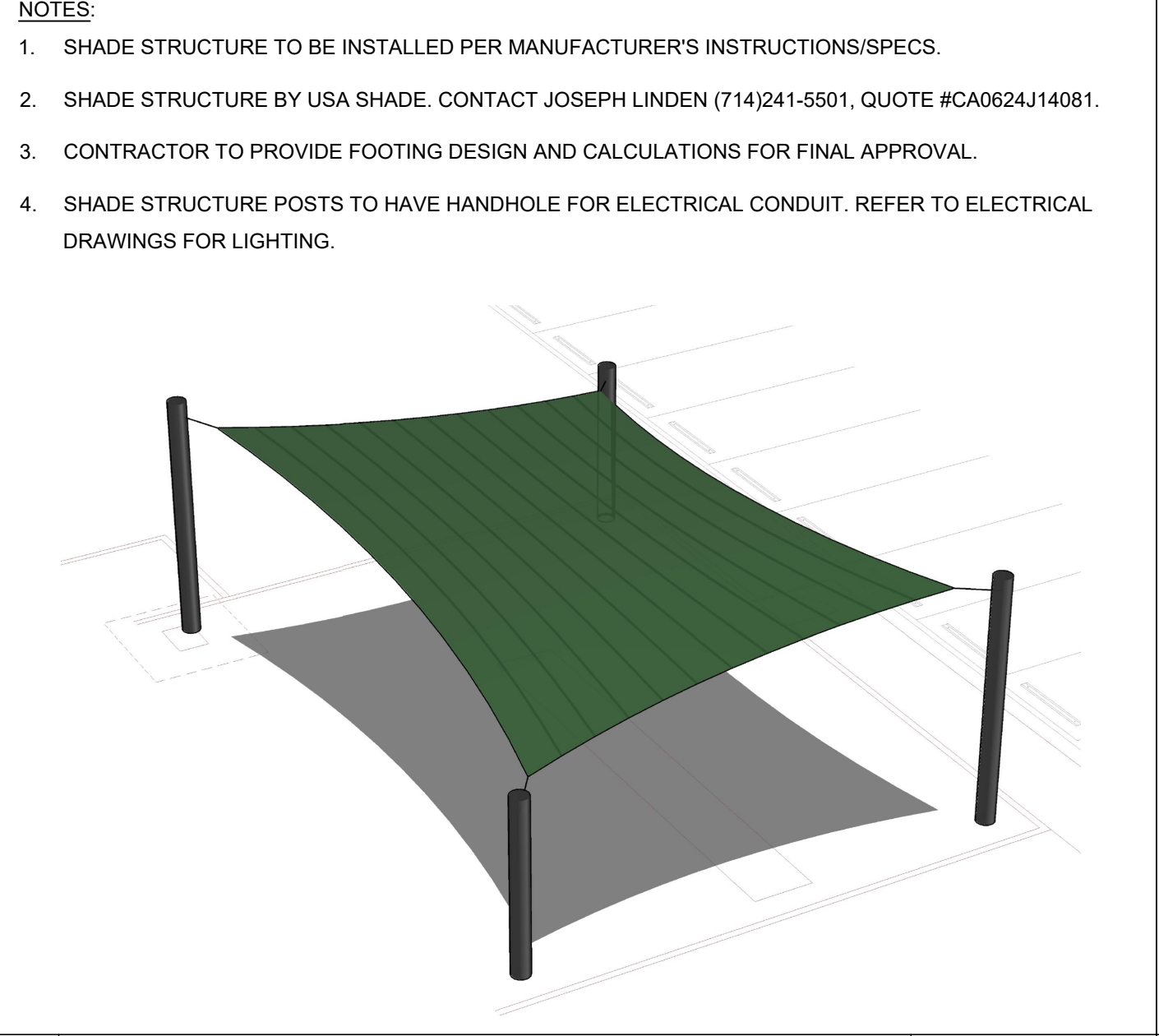
2 4' WIDE STEEL GATE

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



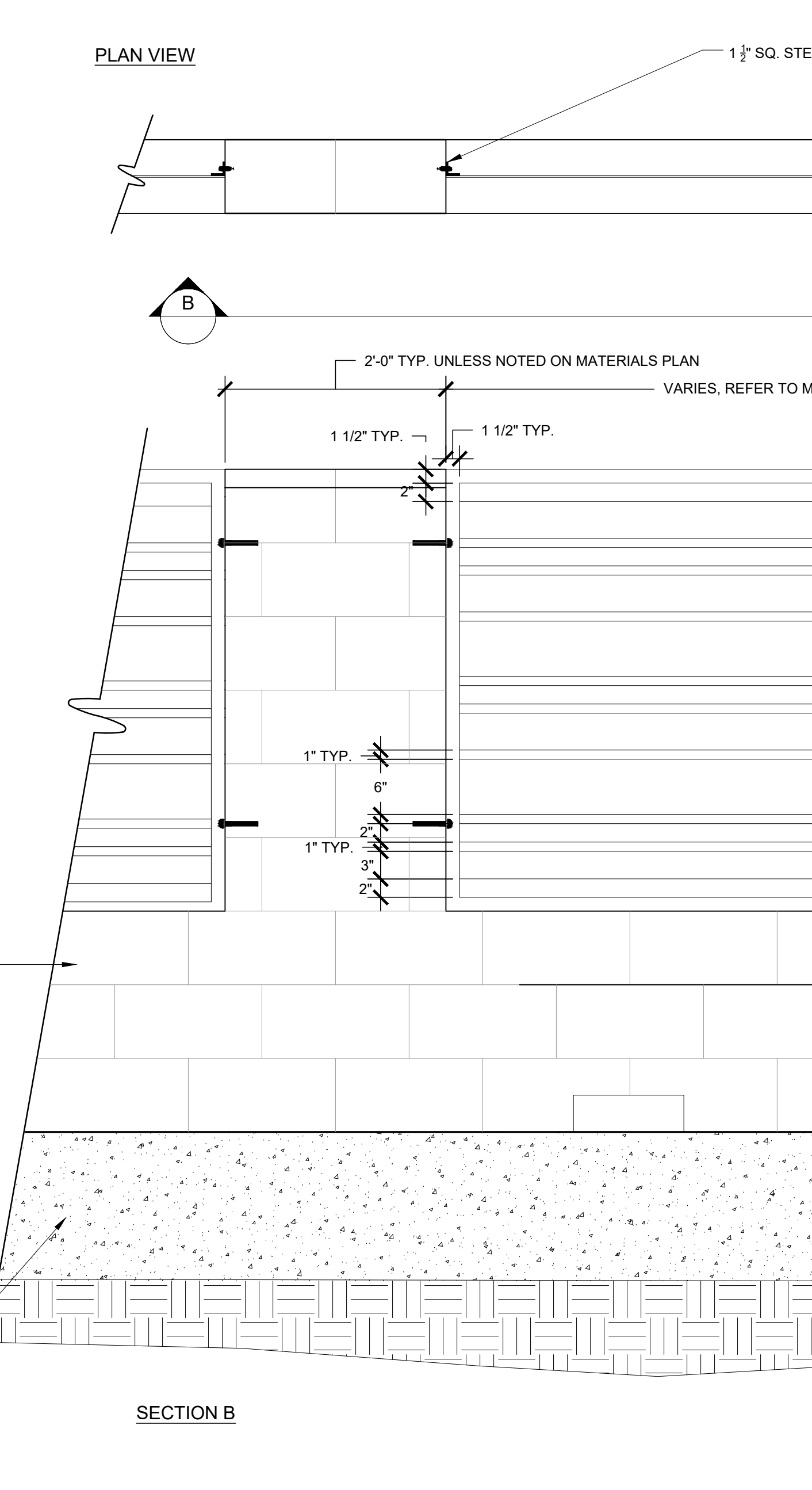
3 CMU PATIO WALL WITH STEEL PANELS

Scale: 1" = 1'-0"



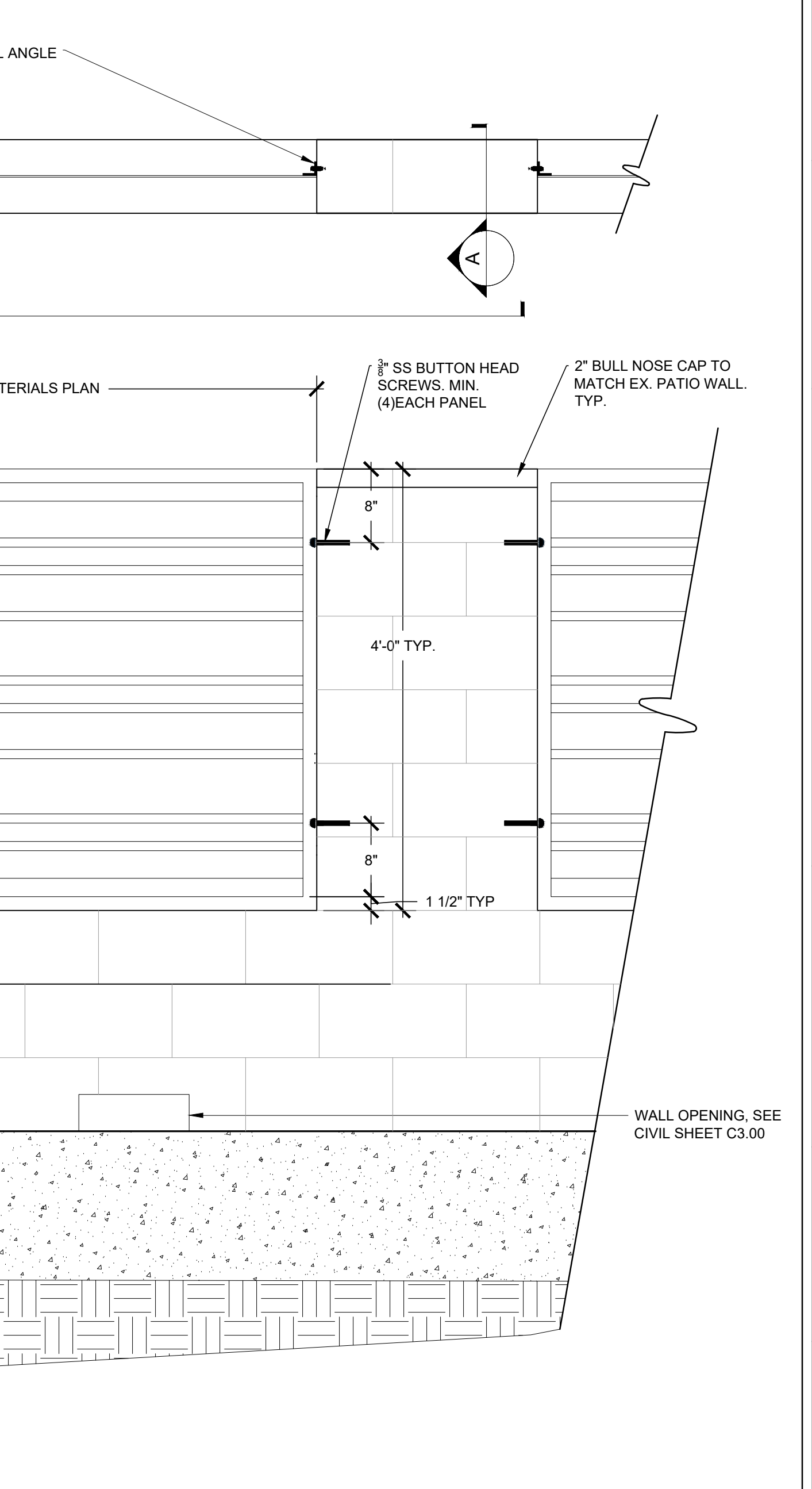
4 HYPAR SHADE SAIL STRUCTURE

Scale: 1" = 1"



5 CUSTOM BOXING RIG

Scale: 1" = 1"



6 GRASSTEX FIELD GREEN

Scale: N.T.S.