

COMPTON COMMUNITY SECURITY SERVICES DEMOLITION AND PARKING LOT IMPROVEMENTS

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PROJECT NAME LOCATION OWNER
COMMUNITY SECURITY SERVICES YARD SITE IMPROVEMENTS
4404 N ALAMEDA ST., COMPTON, CA 90221
CITY OF COMPTON COMMUNITY SERVICES

PROJECT ANALYSIS & COMPLIANCE

PROJECT IDENTIFICATION NON DESIGNATED PROJECT

THIS PROJECT DOES NOT FALL UNDER DESIGNATED REDEVELOPMENT AS IDENTIFIED IN THE LOW IMPACT DEVELOPMENT (LID) TO DESIGN MANUAL NOT INCLUDE ROUTINE MAINTENANCE ACTIVITIES THAT ARE CONDUCTED TO MAINTAIN ORIGINAL LINE AND GRADE, HYDRAULIC CAPACITY, ORIGINAL PURPOSE OF FACILITY OR EMERGENCY REDEVELOPMENT ACTIVITY REQUIRED TO PROTECT PUBLIC HEALTH AND SAFETY.

IMPERVIOUS SURFACE REPLACEMENT, SUCH AS THE RECONSTRUCTION OF PARKING LOTS AND ROADWAYS, WHICH DOES NOT DISTURB ADDITIONAL AREA AND MAINTAINS THE ORIGINAL GRADE AND ALIGNMENT, IS CONSIDERED ROUTINE MAINTENANCE ACTIVITY. REDEVELOPMENT DOES NOT INCLUDE REPAVING OF EXISTING ROADS TO MAINTAIN ORIGINAL LINE AND GRADE.

THE PROJECT FALLS UNDER NON DESIGNATED PROJECTS, PER THE CALCULATION BASED ON THE DELTA STORM WATER QUALITY DESIGN VOLUME (Δ SWQDV), THE DIFFERENCE IN THE VOLUME OF RUNOFF BETWEEN UNDEVELOPED (1% IMPERVIOUS SURFACES) AND POST-DEVELOPED CONDITION USING THE WATER QUALITY DESIGN STORM EVENT SHALL BE INFILTRATED AT THE LOT LEVEL.

CALCULATING BUILDING AND LOT COVERAGE PERCENTAGES
LOT AREA: 344,124 SQ.FT.
TOTAL BUILDING COVERAGE (GROSS FLOOR AREA): 81,658 SQ.FT.
BUILDING COVERAGE PERCENTAGE: 81,658 SQ.FT / 344,124 SQ.FT = 0.23279 = 23.3%
TOTAL LOT COVERAGE: 140,350 SQ.FT.
LOT COVERAGE PERCENTAGE: 140,350 SQ.FT / 344,124 SQ.FT = 0.40785 = 40.8%

TOTAL DISTURBED AREA .79 (ACRES) *
• PRE-DEVELOPMENT IMPERVIOUS AREA .79 (ACRES) *
• POST-DEVELOPMENT IMPERVIOUS AREA .79 (ACRES) *
• CONSTRUCTION & DEMOLITION DEBRIS RECYCLING AND REUSE PLAN (RPP ID) DEFERRED SUBMITTAL *
(PROPERTY INFORMATION)
• PROPERTY ADDRESS 404 NORTH ALAMEDA STREET, COMPTON, CA.
• TRACT / PARCEL MAP NO. 7102-730-163
• PROPERTY OWNER CITY OF COMPTON COMMUNITY SECURITY SERVICES

PROJECT'S SCOPE

THE DEMOLITION AND PARKING LOT IMPROVEMENTS PROJECT COMPRISES APPROXIMATELY 0.79 ACRES. THERE IS AN EXISTING 2,300 SQ.FT BUILDING IN THE PARKING LOT ON THE PROJECT SITE SCHEDULED TO BE REMOVED AS THE DEMOLITION PORTION OF THIS PROJECT, PARKING LOT ASPHALT TO BE REPLACED WITH NEW ASPHALT & RE-PAINTED WITH (N) STRIPING THAT HAS BEEN DESIGNED TO MAXIMIZE THE PARKING STALLS WHILE MAINTAINING MIN. HANDICAP TO PARKING STALLS COMPLIANCE PER LOS ANGELES COUNTY MUNICIPAL CODE.

THIS PROJECT WILL REPLACE THREE EXISTING VEHICLE GATES, ASSOCIATED GATE MOTORS, PHOTO SAFETY BEAMS, AND IN-GROUND SAFETY LOOPS WILL BE REMOVED AND REPLACED TO SUIT THE NEW VEHICLE GATES.

SITE IS TO BE RE-GRADED AS SHOWN ON THE PROPOSED GRADING PLAN FOR PROPER RE-PAVEMENT & PROPER SLOPES TO MAINTAIN THE EXISTING DRAINAGE COMPLIANCE SINCE NO EXTRA RUN-OFF OF THE PRE-DEVELOPMENT TO POST DEVELOPMENT WILL RESULT FROM THE IMPROVEMENTS OF THIS PROJECT AND THE PROJECT DOES NOT EXCEED THE 50% RULE OF THE DEVELOPMENT AREA FOR SITES LESS THAN 1 ACRE PER THE LOS ANGELES COUNTY LOW IMPACT DEVELOPMENT DESIGN STANDARDS & WQMP GUIDANCE MANUAL.

THE WHOLE BLOCK DRAINS FROM THE NORTHEAST TO THE SOUTHWEST AT ALAMEDA STREET GUTTER, AT APPROXIMATELY 3% AVERAGE SLOPE. THE PROPERTY IS OWNED BY CITY OF COMPTON AND IS BEING DEVELOPED BY THE CITY OF COMPTON COMMUNITY SECURITY SERVICES.

PER LA COUNTY MUNICIPAL CODE SECTION 22.112.070-A 1 SPACE PER 200 SF

TOTAL PARKING REQUIRED:	32K / 200 = 25 STALLS MIN.
TOTAL PARKING PROVIDED:	95-97 STALLS O.K

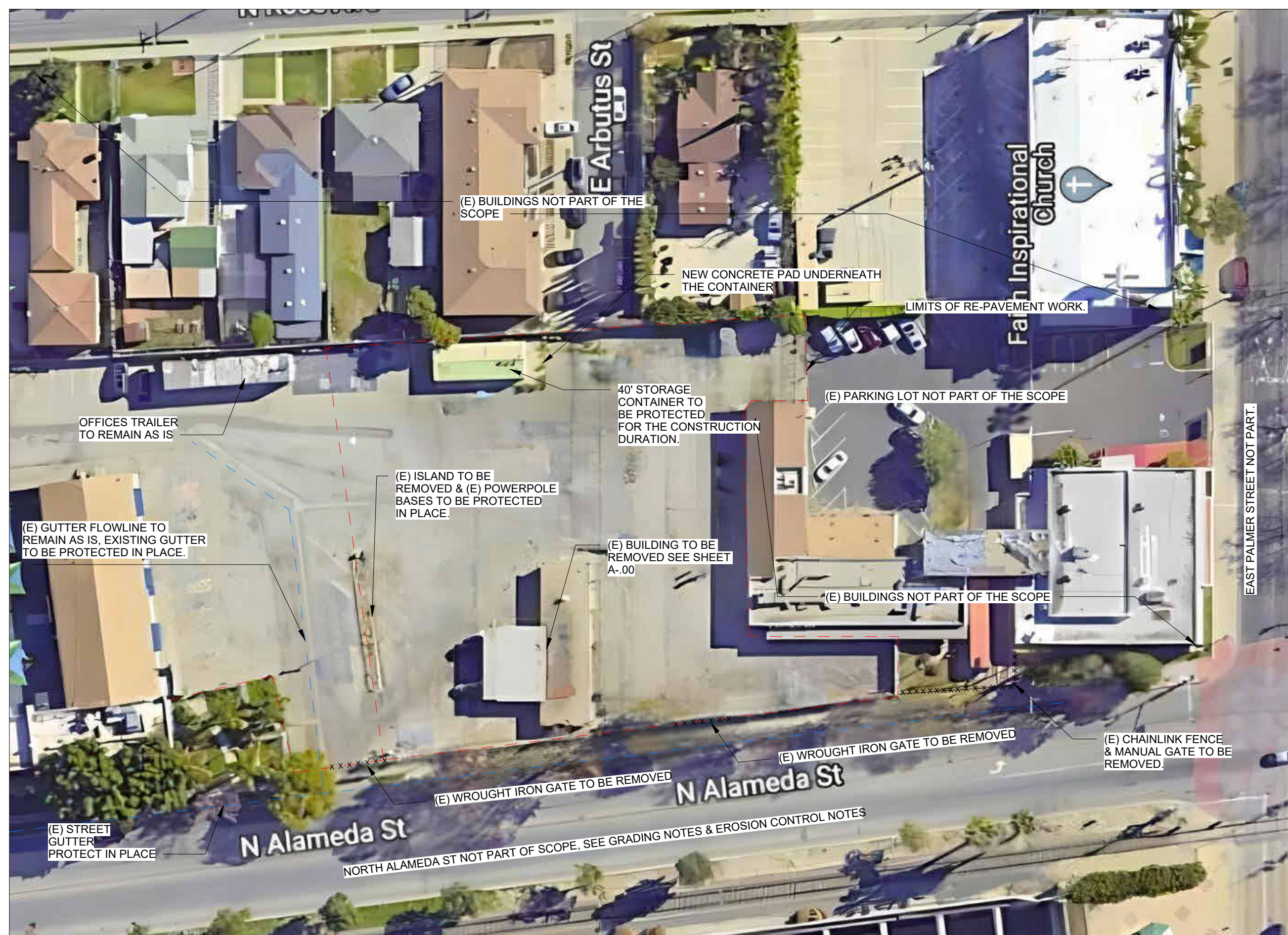
ACCESSIBLE PARKING SPACES REQUIREMENTS FOR 201-300

	REQUIRED	EXISTING AVAILABLE
PER TABLE 11B-208.2 ACCESSIBLE PARKING SPACES (TOTAL)	3	3
ACCESSIBLE VAN SPACES	1	1 O.K

1. SEE ENLARGED SITE PLAN FOR ADDITIONAL INFORMATION

SHEET NAME	SHEET NUMBER
COVER PAGE - SHEET INDEX	G00
GENERAL NOTES - SYMBOLS & ABBREVIATIONS.	G1.0
OVERALL EXISTING SITE PLAN	A-100
CONSTRUCTION PLAN	A-200
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ELEVATIONS & SECTIONS	A-500
ISOMETRIC VIEW FOR CLARIFICATION ONLY	A-501
GATES DETAILS	AS-504
GATES DETAILS	AS-505
STRUCTURAL NOTES	S-001
STRUCTURAL NOTES	S-002
STRUCTURAL DETAILS	S-003
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STRUCTURAL DETAILS	S-005
ELECTRICAL NOTES & SPECIFICATIONS	E-0-1
SINGLE LINE DIAGRAM	E-0-2
ELECTRICAL SITE PLAN	E-1-1
ELECTRICAL DETAILS	E-02.1

TOTAL SHEETS: 18



EXISTING SATELLITE ARIAL VIEW SITE PLAN
N.T.S
THIS SITE PLAN IS NOT TO SCALE AND FOR CLARIFICATION ONLY, REFER TO SITE PLAN ON SHEET A-1.0 FOR DIMENSIONS & SCALED MEASUREMENTS DRAWINGS.

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY OF COMPTON STANDARD PLANS, THE CONTRACT PROVISIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK"). ALL REFERENCE SPECIFICATIONS AND STANDARD SHALL BE THE LATEST EDITION UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND METHODS ARE SUBJECT TO THE APPROVAL OF THE CITY OF COMPTON ENGINEER.
- CONSTRUCTION PERMITS SHALL BE OBTAINED FROM THE CITY OF COMPTON, BUILDING & SAFETY DEPARTMENT PRIOR TO START OF ANY WORK.
- THE CONTRACTOR SHALL CONFORM TO ALL TRAFFIC CONTROL POLICIES, METHODS AND PROCEDURES DESCRIBED IN STATE OF CALIFORNIA MANUAL OF TRAFFIC CONTROLS, LATEST NON-METRIC EDITION UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN BARRICADES, DELINEATORS OR OTHER TRAFFIC CONTROL DEVICES AT ALL TIMES.
- THE LOCATIONS OF UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION, HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE, IN THE FIELD, THE TRUE LOCATION AND ELEVATION OF ANY EXISTING UTILITIES, AND TO EXERCISE PROPER PRECAUTION TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 811 TWO WORKING DAYS BEFORE EXCAVATION.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL UTILITY COMPANIES INCLUDING, BUT NOT LIMITED TO, GAS, TELEPHONE, ELECTRIC, CABLE TELEVISION, LANDSCAPING, LANDSCAPE IRRIGATION, DOMESTIC WATER, RECLAIMED WATER, SEWER, STORM DRAIN, FLOOD CONTROL AND CALTRANS. ALL UTILITY COMPANIES SHALL BE GIVEN TWO WORKING DAYS NOTICE PRIOR TO WORK AROUND THEIR FACILITIES.
- THE CONTRACTOR SHALL NOT OPERATE ANY FIRE HYDRANT OR WATER MAIN VALVES WITHOUT APPROPRIATE AGENCY AUTHORIZATION. CONTRACTOR SHALL COORDINATE WITH THE WATER DEPARTMENT, CITY OF COMPTON FOR VALVE OPERATION AND WATER REQUIREMENTS.
- CURVE DATE REFERS TO THE FACE OF CURB, UNLESS OTHERWISE NOTED. STATIONING REFERS TO THE CENTERLINE OF STREETS EXCEPT WHERE OTHERWISE NOTED. ADEQUATE CONSTRUCTION CONTROL STAKES SHALL BE SET BY THE ENGINEER TO ENABLE THE CONTRACTOR TO CONSTRUCT THE WORK TO THE PLAN GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF BENCHMARKS AND CONSTRUCTION CONTROL STAKING DURING CONSTRUCTION, A TEMPORARY BENCH MARK CAN BE MARKED ON SITE BY THE DESIGNER ENGINEER IF THERE IS NO SURVEYED BENCHMARK FOR ACCURATE ELEVATIONS READING.
- REMOVAL AND REPLACEMENT OF EXISTING SURVEY CONTROL, INCLUDING SURVEY MONUMENTS, MONUMENT TIES AND BENCH MARKS, SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR. SURVEY MONUMENTS THAT WILL BE DESTROYED AS A RESULT OF THIS CONSTRUCTION SHALL BE REPLACED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER ONE WEEK PRIOR TO CONSTRUCTION SO THAT TIES TO MONUMENTS CAN BE ESTABLISHED FOR LATER REPLACEMENT OF THE MONUMENTS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFECTIVE MEANS OF DUST CONTROL, INCLUDING ADEQUATE WATERING, AT ALL TIMES.
- THE CONTRACTOR SHALL NOT CAUSE ANY EXCAVATED MATERIAL, MUD, SILT, OR DEBRIS TO BE DEPOSITED ONTO PUBLIC OR PRIVATE PROPERTY ADJACENT TO THE RIGHT OF WAY DURING CONSTRUCTION WITHOUT PRIOR WRITTEN APPROVAL.
- NO TRENCH BACKFILL SHALL TAKE PLACE WITHOUT PRIOR APPROVAL OF THE CITY INSPECTOR.
- A GEOTECHNICAL ENGINEER SHALL CERTIFY ALL BACKFILL COMPACTION. FAILURE TO OBTAIN THE REQUIRED DENSITY SHALL REQUIRE RE-WORKING OF THAT PORTION OF THE WORK UNTIL THE SPECIFIED DENSITY IS OBTAINED.
- CARE SHOULD BE TAKEN TO PREVENT GRADES, DITCHES, AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITE, THE CITY ENGINEER MAY REQUIRE TEMPORARY NON-ERODEABLE SWALES ENTERING OR LEAVING IMPROVEMENTS.
- ALL EXPOSED PAVEMENT SURFACES SHALL CONFORM IN GRADE, COLOR AND FINISH TO MATCH EXISTING.
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO PAVING.
- PAVEMENT STRUCTURAL SECTIONS SHOWN ARE MINIMUM AND SUBJECT TO REVISION AND APPROVAL OF THE CITY ENGINEER AS DETERMINED BY SOILS TESTS TAKEN AFTER COMPLETION OF ROUGH GRADING AND IN CONSIDERATION OF THE APPROPRIATE R-VALUE. ACTUAL THICKNESS OF A.C. PAVEMENT AND/OR BASE COURSE MATERIAL FOR STRUCTURAL STREET SECTIONS SHALL BE RECOMMENDED BY A GEOTECHNICAL REPORT AND SUBMITTED TO THE CITY OF COMPTON FOR APPROVAL UPON COMPLETION OF ROUGH GRADING.
- ALL MANHOLES, CLEAN OUT FRAMES, COVERS AND VALVE BOXES SHALL BE RAISED TO FINISHED GRADE BY THE PAVING CONTRACTOR UPON COMPLETION OF PAVING AND PER THE CITY OF COMPTON'S REQUIREMENTS.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL RESTORE ALL SIGNING, STRIPING, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE CITY ENGINEER.
- CONTRACTOR SHALL RELOCATE AND/OR REPLACE LANDSCAPING, SPRINKLERS AND SIDEWALKS AFFECTED BY THE CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER.

DESIGN & ENGINEERING

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PROJECT'S OWNER

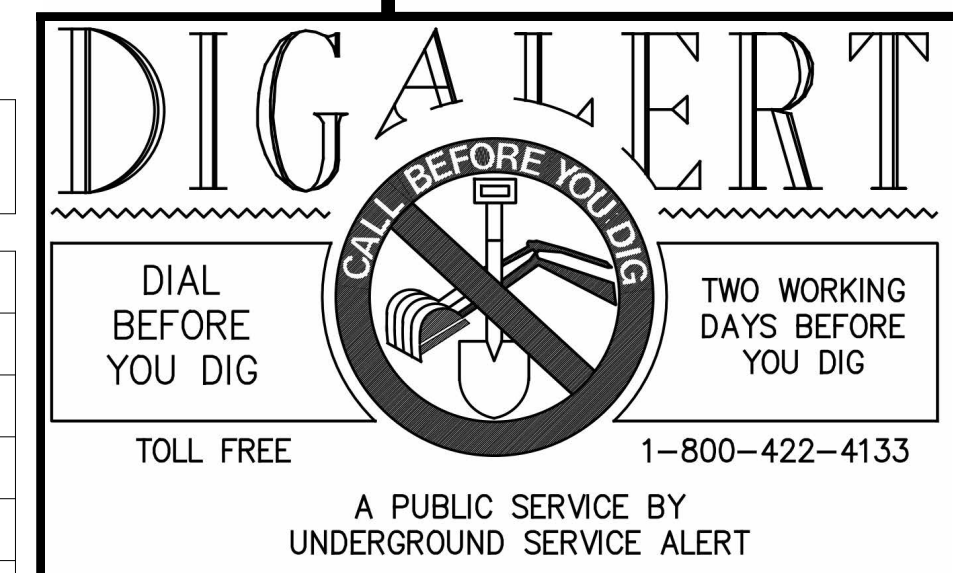
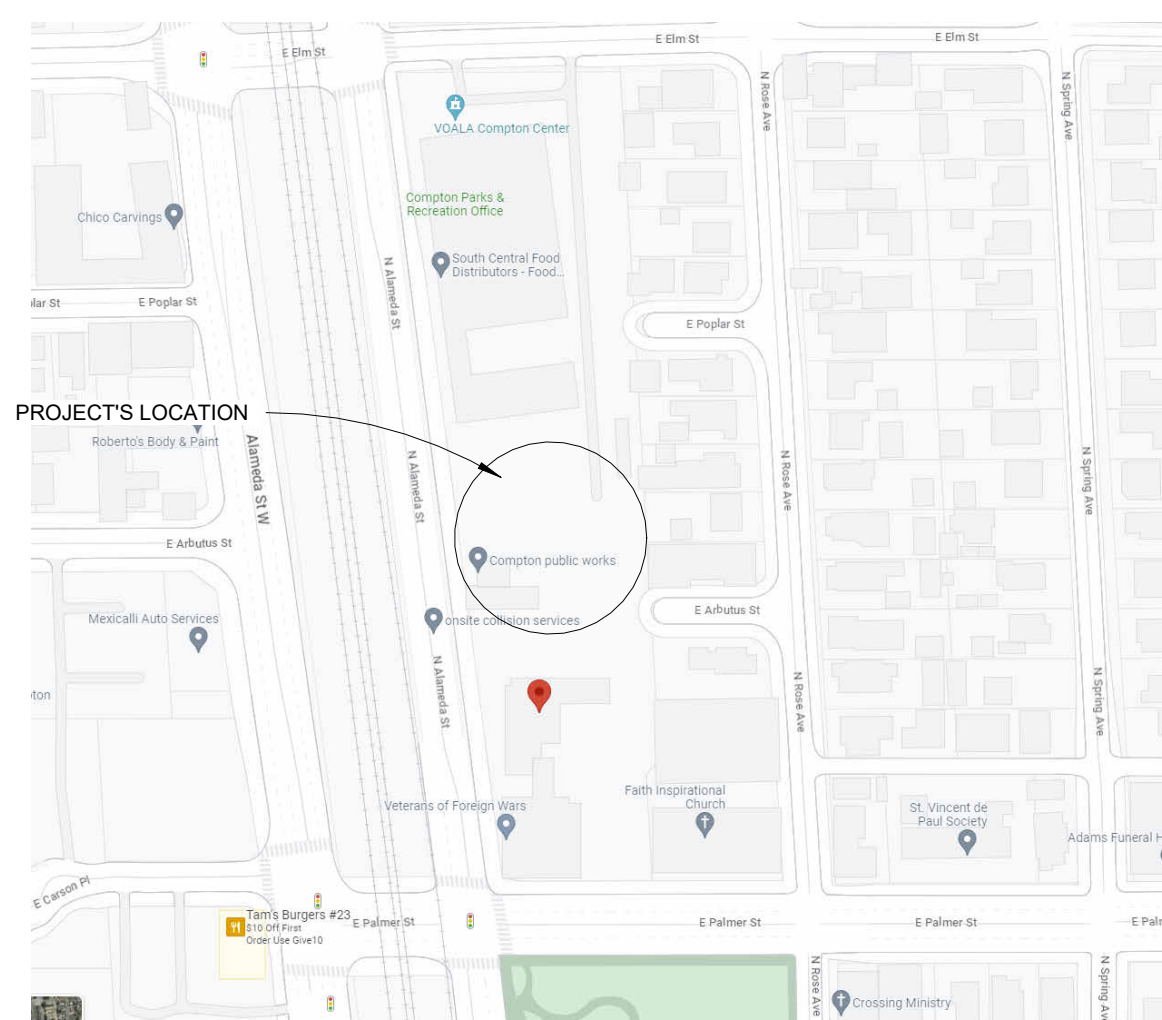
CITY OF COMPTON COMMUNITY SECURITY SERVICES

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COMMUNITY IMPROVEMENT SERVICES
DIRECTOR
205 S. WILLOWBROOK AVE
COMPTON, CA 90220
(310) 605-6317 DIRECT LINE

APPLICABLE CODES

- 2022 ASCE 7-22 & THE CURRENT EDITION OF ASCE 7-16 FOR STRUCTURAL SCOPE.
- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24, OCC
- 2022 CALIFORNIA BUILDING CODE (C.B.C.), TITLE 24, C.C.R. (2019 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (C.E.C.), 2001, TITLE 24, C.C.R. (2019 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION AGENCY, NFPA)
- 2022 CALIFORNIA MECHANICAL CODE (C.M.C.), TITLE 24, C.C.R. (2019 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- 2022 CALIFORNIA ENERGY CODE (C.P.C.), TITLE 24, C.C.R.
- 2022 CALIFORNIA FIRE CODE (C.F.C.), TITLE 24, C.C.R. (2019 INTERNATIONAL FIRE CODE OF THE INT'L CODE COUNCIL)
- 2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24, C.C.R. (2019 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL WITH AMMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, C.C.R.

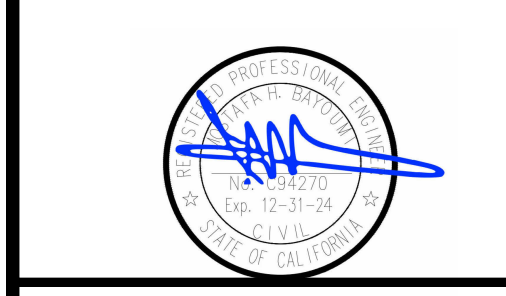
PROJECT VICINITY MAP



REVISION SCHEDULE

REVISION NUMBER	DATE

ENGINEER OF RECORD
THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED UNDER THE RESPONSIBLE CHARGE (THE DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER AND CERTIFIES THAT THE WORK WAS PERFORMED COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND ACCEPTABLE STANDARDS OF PRACTICE.
REVIEWED BY SEAL / STAMP



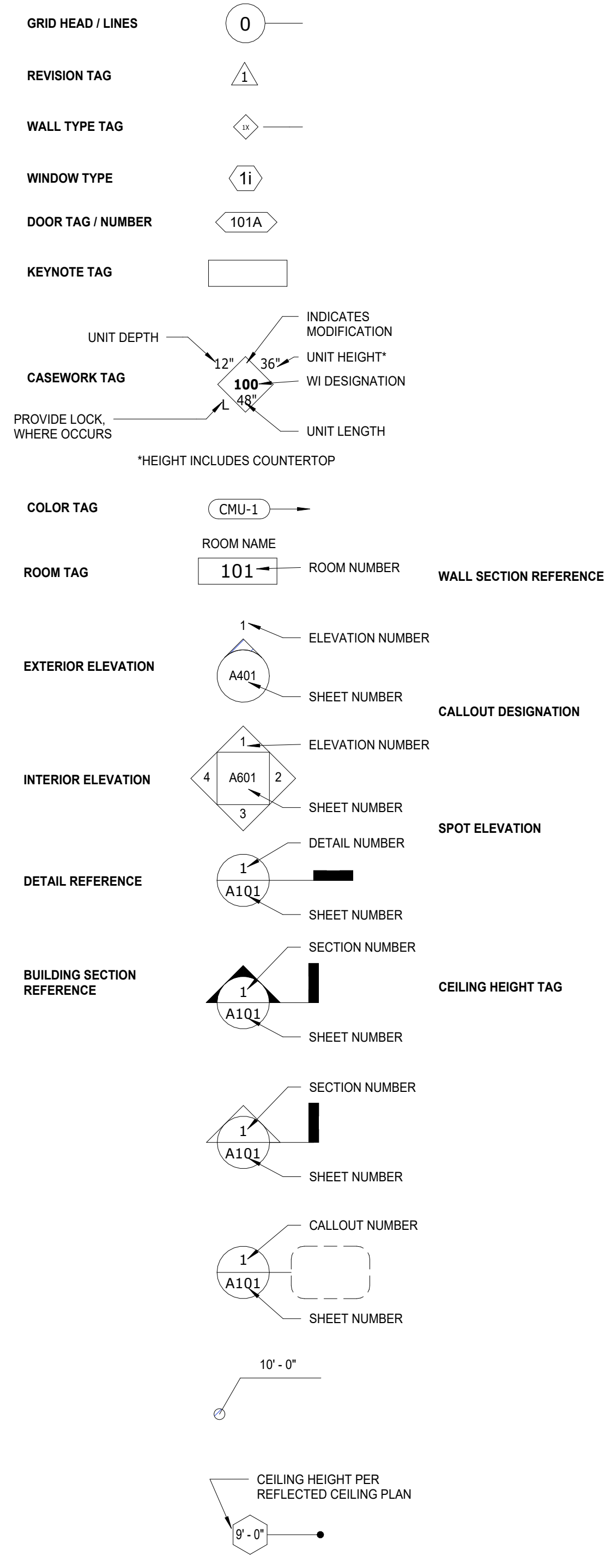
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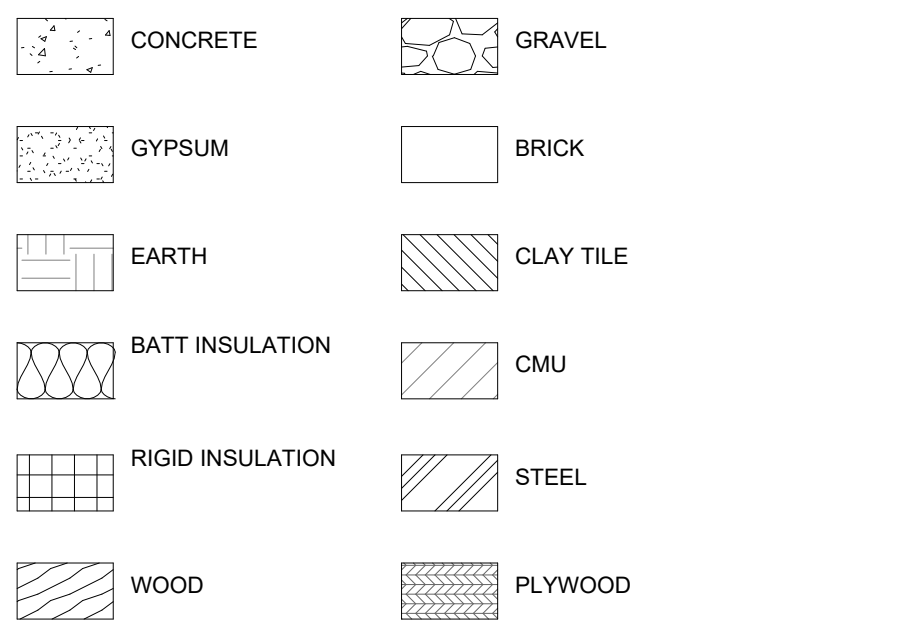
ABBREVIATIONS

(CENTERLINE	PLUMB, PLUMBING	
&	PLATE	PLYWOOD	
@	P.M.	PRESSED METAL	
AT OR ABOUT	P.N.L.	PANEL	
FOOT	P/P	PUSH-PULL	
INCH OR REPEAT	PR	PAIR	
POUND OR NUMBER	PREFAB.	PREFABRICATED	
VERIFY IN FIELD	PT.	POINT	
A.B.	ANCHOR BOLT	Q.T.	QUARRY TILE
A.C.	ASPHALTIC CONCRETE	R.	RISER / RADIUS
ACC.	AIR CONDITIONING	R.A.	RETURN AIR
ADJ.	ADJUSTABLE / ADJACENT	RAD.	RADIUS
A.F.F.	ABOVE FINISH FLOOR	R.C.P.	REINFORCED CLAY PIPE
AGGR.	AGGREGATE	R.D.	ROOF DRAIN
ALUM.	ALUMINUM	REC.	RECESSED / RECEIVING
ANOD.	ANODIZED	RECPT.	RECEPTACLE
APPROX.	APPROXIMATE	REF.	REFERENCE
ARCH.	ARCHITECTURAL	REFR.	REFRIGERATOR
ASPH.	ASPHALT	REV.	REVERSE
ASSY.	ASSEMBLY	REG.	REGISTER / REGULAR
ACT.	ACOUSTICAL TILE	REIN.	REINFORCED
		REQ.	REQUIRED
BD.	BOARD	RESIL.	RESILIENT
BITUM.	BITUMINOUS	R.H.	ROUND HEAD
BLDG.	BUILDING	RM.	ROOM
BLK.	BLOCK	R.O.	ROUGH OPENING
BLKG.	BLOCKING	RS	ROLLER SHADE
BM	BENCHMARK	RSM	ROLLER SHADE MOTORIZED
B.M.	BENCHMARK	RWD.	REDWOOD
BOT.	BOTTOM		
B/S	BOTH SIDES	S.	SOUTH / SPANDREL
B.W.	BOTH WAYS	S.C.	SOLID CORE
		SCHED.	SCHEDULE
CAB.	CABINET	SECT.	SECTION
C.B.	CATCH BASIN	SERV.	SERVICE / SERVING
CEM.	CEMENT	S.F.	SQUARE FOOT
CER.	CERAMIC	S.G.E.	SEMI-GLOSS ENAMEL
C.F.M.	CUBIC FEET PER MINUTE	SHT.	SHEET
C.I.	CAST IRON	SHTG.	SHEATHING
C.J.	CEILING JOIST OR CONTROL JOINT	SIM.	SIMILAR
CL.G.	CEILING	SL	SLIDING
CLO.	CLOSED	SL	SPECIFICATION
CLR.	CLEAR	SQ.	SQUARE
C.M.U.	CONCRETE MASONRY UNIT	S.S.	STAINLESS STEEL
COL.	COLUMN	SIS	SERVICE SINK
COMPO.	COMPOSITION	STA.	STATION
CONC.	CONCRETE	STD.	STANDARD
CONN.	CONNECTION	STL.	STEEL
CONSTR.	CONSTRUCTION	STOR.	STORAGE
CONT.	CONTINUOUS	STRUC.	STRUCTURAL
CONTR.	CONTRACTOR	SUSP.	SUSPENDED
CORR.	CORRIDOR	SYM.	SYMMETRICAL
C.R.B.	CRUSHER RUN BASE	SKLT.	SKYLIGHT
CSK.	COUNTERSINK		
C.T.	CERAMIC TILE	T.	TREAD / TEMPERED
CYL.	CYLINDER	T.B.	TOP OF BEAM
		T.C.	TOP OF CURB OR CONCRETE
DBL.	DOUBLE	TEL.	TELEPHONE
DEPT.	DEPARTMENT	TEMP.	TEMPERED / TEMPORARY
DET.	DETAIL	TERR.	TERRAZZO
D.F.	DRINKING FOUNTAIN	TEXT.	TEXTURED
DF	DOUGLAS FIR	T&G	TONGUE AND GROOVE
DG	DRYWALL GRID	THK.	THICK
DIA.	DIAMETER	THRSH.	THRESHOLD
DIAG.	DIAGONAL	T.L.	TOP OF LEDGER
DIM.	DIMENSION	TOIL.	TOILET
DISP.	DISPENSER / DISPOSAL	T.O.P.	TOP OF PARAPET
DN.	DOWN	T.O.S.	TOP OF STEEL
DO.	DITTO / REPEAT	T.V.	TELEVISION
DR.	DOOR	T.O.W.	TOP OF WALL
D.S.	DOWN SPOUT	TYP.	TYPICAL
D.S.P.	DRY STANDPIPE	TRNSF.	TRANSFORMER
DWG.	DRAWING		
DWR.	DRAWER	U.L.	UNDERWRITER'S LAB
		UNFIN.	UNFINISHED
(E)	EXISTING	U.N.O.	UNLESS NOTED OTHERWISE
E.	EAST / ENAMEL	URN.	URINAL
EA.	EACH	V.	VINYL
EE	EACH END	V.C.T.	VINYL COMPOSITION TILE
E.G.	EXISTING GRADE	VEN.	VENEER
E.J.	EXPANSION JOINT	VENT.	VENTILATOR
EL.	ELEVATION	VERT.	VERTICAL
ELEC.	ELECTRICAL	VEST.	VESTIBULE
ELEV.	ELEVATOR / ELEVATION	V.G.	VERTICAL GRAIN
EMER.	EMERGENCY	V.O.J.	VERIFY ON JOB
ENCL.	ENCLOSURE	V.T.R.	VENT THRU ROOF
E.O.S.	EDGE OF SLAB	V.W.C.	VINYL WALL COVERING
EQ.	EQUAL		
EQT.	EQUIPMENT		
E.S.	EACH SIDE	W.	WEST / WOMEN
E.W.	EACH WAY	W/	WITH
E.O.C.	EDGE OF CONCRETE	WSCT.	WAINSCOT
EXH.	EXHAUST	W.C.	WATER CLOSET
EXIST.	EXISTING	WD.	WOOD
EXP.	EXPANSION	W.H.	WATER HEATER
EXPO.	EXPOSED	W.I.	WROUGHT IRON
		WO	WITHOUT
FLUOR.	FLUORESCENT	WP.	WATERPROOF
FNDN.	FOUNDATION	W.R.	WATER RESISTANT
F.O.C.	FACE OF CONCRETE/CURB	W.S.	WOOD SCREW
F.O.F.	FACE OF FINISH	WT.	WEIGHT
F.O.A.	FACE OF ALUMINUM	W.W.M.	WOVEN WIRE MESH
F.O.G.	FACE OF GLAZING		

TYPICAL SYMBOLS



MATERIAL LEGEND



GRADING GENERAL NOTES

- THE FOLLOWING APPLICABLE NOTES ARE REQUIRED ON GRADING PLANS / EROSION CONTROL PLANS:
- 1- ALL GRADING SHALL CONFORM TO THE LOS ANGELES COUNTY MUNICIPAL CODE, TITLE 22 AND THE CURRENT CITY ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE.
 - 2- THIS PLAN IS FOR GRADING PURPOSES ONLY AND IS NOT TO BE USED FOR THE PURPOSE OF CONSTRUCTING ON-SITE OR OFF-SITE IMPROVEMENTS. ISSUANCE OF A PERMIT BASED ON THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS OR SIZES.
 - 3- PARKING LOT STRUCTURAL SECTIONS OR LAYOUT, ADA-RELATED REQUIREMENTS, BUILDING LOCATIONS OR FOUNDATIONS, WALLS, CURBING, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION.
 - 4- *ON-SITE IMPROVEMENTS OTHER THAN WHAT IS IN THE STRUCTURAL SHEETS OF THIS PLAN SHALL BE CONSTRUCTED FROM APPROVED BUILDING PERMIT PLANS. OFF-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM PLANS APPROVED FOR THIS PURPOSE BY THE PUBLIC WORKS DEPARTMENT.
 - 5- CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS.
 - 6- ALL MANUFACTURED SLOPES IN EXCESS OF 6 FEET IN VERTICAL HEIGHT ARE TO BE PROTECTED FROM EROSION DURING ROUGH GRADING OPERATIONS AND, THEREAFTER, UNTIL INSTALLATION OF FINAL GROUND COVER.
 - 7- ALL SLOPE PROTECTION SWALES TO BE CONSTRUCTED AT THE SAME TIME AS BANKS ARE GRADED.
 - 8- THE DEVELOPER AND HIS CONTRACTOR ARE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN AND SWPPP AND ALSO TO PROVIDE ANY ADDITIONAL EROSION CONTROL MEASURES.
 - 9- TO PREVENT EROSION AND/OR THE INTRODUCTION OF DIRT, MUD OR DEBRIS INTO EXISTING PUBLIC STREETS AND/OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION CONTROL MEASURES NOTED ABOVE DURING THE PERIOD OF CONSTRUCTION.
 - 10- AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK GERMS AND CHECK DAMS. SILT AND DEBRIS SHALL BE REMOVED FROM CITY OF COMPTON STREETS. THIS REQUIREMENT SHALL REMAIN IN EFFECT UNTIL CITY ACCEPTANCE OF THIS PROJECT.
 - 11- ANY IMPROVEMENTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE PUBLIC WORKS DEPARTMENT.
 - 12- ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT ARE TO BE PROTECTED IN IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).
 - 13- THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS DO NOT INTERFERE WITH PROVISION OF UTILITIES.
 - 14- IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ADEQUATE COMPACTION HAS BEEN ATTAINED ON THE ENTIRE GRADING SITE, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
 - 15- IT IS THE SOIL ENGINEER'S RESPONSIBILITY TO OBSERVE AND PERFORM COMPACTION TESTS DURING THE GRADING TO EVALUATE THE PREPARATION OF THE NATURAL GROUND SURFACE TO RECEIVE THE FILL AND THE COMPACTION ATTAINED IN THE FILL, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
 - 16- FOR GRADING OF AREAS OF 1 ACRE OR MORE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON-SITE AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).
 - 17- GRADING OPERATIONS SHALL BE LIMITED TO BETWEEN THE HOURS OF 7 A.M. AND 7 P.M. ON WEEKDAYS AND BETWEEN 8 A.M. AND 5 P.M. ON SATURDAYS. NO GRADING WILL BE PERMITTED ON SUNDAY OR FEDERAL HOLIDAYS.
 - 18- CONTRACTOR TO IDENTIFY TRASH COLLECTION DAYS AND SHALL NOT DISRUPT TRASH SERVICE DURING. ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT.
 - 19- CONTRACTOR SHALL OBSERVE, FOLLOW, AND IMPLEMENT ALL THE REQUIREMENTS OF THE NPDES AND STORMWATER POLLUTION PREVENTION PROGRAM AND KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING, AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS DURING PERIODS WHEN THE WORK IS SUSPENDED, THE CONTRACTOR SHALL MAKE APPROPRIATE ARRANGEMENTS FOR ANY EMERGENCY WORK, WHICH MAY BE REQUIRED.
 - 20- THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC, AND SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN HE CAN PROSECUTE PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC; CONVENIENT ACCESS TO DRIVEWAYS, HOUSES, AND BUILDINGS ALONG THE LINE OF WORK SHALL BE MAINTAINED AND TEMPORARY CROSSINGS SHALL BE FROWDED AND MAINTAINED IN GOOD CONDITION.
 - 21- CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE CITY ENGINEER, OR HIS/HER DESIGNEE, PRIOR TO THE START OF ANY WORK.
 - 22- CONTRACTOR SHALL CALL FOR INSPECTION AT LEAST 24 HOURS: IN ADVANCE.
 - 23- DIG ALERT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF EXCAVATION.
 - 24- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED IMPROVEMENTS
 - 25- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES. ANY DAMAGE TO SUCH FACILITIES CAUSED BY HIS WORK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
 - 26- THE CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION THE SATISFACTION OF THE CITY'S INSPECTOR. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION.
 - 27- CONSTRUCTION SHALL BE ADJUSTED AS NECESSARY TO MATCH EXISTING CONDITIONS. USES.

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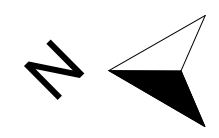


SHEET NAME

GENERAL NOTES - SYMBOLS & ABBREVIATIONS.

SHEET NUMBER

G1.0



SHEET NOTE LEGEND

- SN 2 RELOCATE (E) STORAGE CONTAINERS TEMPORARY TO INSTALL CONCRETE PAD, REINSTALL IN THE SAME LOCATION ON THE NEW CONCRETE PAD.
- SN 3 EXISTING BUILDINGS NOT PART, TO REMAIN AS IS AND PROTECTED IN PLACE.
- SN 4 EXISTING OFFICE TRAILER IS NOT PART, REMAIN AS IS AND PROTECTED IN PLACE.
- SN 6 EXISTING BUILDING TO BE DEMOLISHED
- SN 7 (E) ISLAND TO BE REMOVED TO ALLOW FOR NEW FENCE WALL CONSTRUCTION
- SN 8 (E) CHAINLINK FENCE TO BE REMOVED TO ALLOW FOR (N) FENCE WALL INSTALLATION.
- SN 9 (E) FENCE WALL WITH NO CLIMB FENCE PICKETS TO BE REMOVED TO ALLOW FOR NEW 10' CMU FENCE WALL INSTALLATION.

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SHEET NAME
OVERALL EXISTING SITE PLAN

SHEET NUMBER
A-100

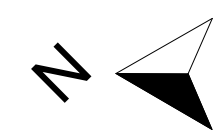


1 SITE PLAN
1" = 40'-0"

cont>67h

cont>67h

cont>66h



CONSTRUCTION GENERAL NOTES

1. ALL MATERIAL AND WORK SHALL CONFORM TO 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2018 CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, AND THE LATEST EDITION OF COUNTY OF LOS ANGELES STANDARDS.
2. ALL TRAFFIC STRIPES, PAVEMENT MARKINGS, AND SIGNS SHALL BE REFLECTORIZED. ALL STRIPING AND MARKING SHALL MATCH CALTRANS STANDARD PLANS DETAILS INCLUDING THE STENCILS FOR MARKING.
3. ALL PAVEMENT MARKINGS INCLUDING CROSSWALKS, LIMIT LINES, AND STOP BARS SHALL BE APPLIED WITH THERMOPLASTIC MATERIAL. ALL OTHER TRAFFIC STRIPES SHALL BE PAINTED IN TWO COATS.
4. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (811) AND ALL CONCERNED UTILITY COMPANIES AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGING UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL CONTROL DUST AND OTHER NUISANCES, AND KEEP COUNTY RIGHT-OF-WAY CLEAN OF DEBRIS AT ALL TIME.
6. THE CONTRACTOR SHALL LAYOUT (CAT-TRACK) THE PROPOSED SIGNING, STRIPING, AND PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS AND OBTAIN THE ENGINEER'S APPROVAL PRIOR TO ACTUAL INSTALLATION.
7. CONTRACTOR SHALL APPLY ASPHALT EMULSION TO ALL SURFACE THAT WERE SANDBLASTED OR GRINDED PRIOR TO RESTRIPIRING AND REAPPLYING THERMOPLASTIC MATERIAL.
8. CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC STRIPES, RAISED PAVEMENT MARKERS (RPMs), PAVEMENT MARKINGS AND SIGNS IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER.
9. CONTRACTOR SHALL INSTALL ALL RPMs WITHIN SEVEN WORKING DAYS OF ROADWAY STRIPING. ALL EXISTING RPMs WITHIN THE PROJECT AREA SHALL BE REPLACED IN KIND OR REMOVED IN ACCORDANCE WITH THE PLANS OR AS DIRECTED BY THE ENGINEER.
10. CONTRACTOR SHALL INSTALL SIGN ON A 2" SQUARE PERFORATED STEEL TUBE POST PER LOS ANGELES COUNTY STANDARD UNLESS NOTED OTHERWISE. STREET NAME SIGNS SHALL CONFORM TO APPLICABLE LOS ANGELES COUNTY STANDARD NO.
11. MATCH AC/CONCRETE FINISH SURFACES.
12. ALL GRADING, OVEREX, 6" SCARIFY, 90% RECOMPACTION, IMPORT OR EXPORT SHALL BE A PART OF THE WORK AS REQUIRED.
13. ALL FINISH GRADING SHALL BE SMOOTH AND MATCH ADJACENT SURFACES.
14. ALL DEMO'ED AC AND CONC. AND EXCAVATED ITEMS SHALL BE REMOVED AS PART OF THE WORK.
15. NO SOILS REPORT HAS BEEN FURNISHED.
16. REMOVE OR REPAIR ALL UTILITIES, ETC.
17. FIRE DEPARTMENT VEHICLES ACCESS SHALL REMAIN CLEAR.
18. PROVIDE KNOX BOX PER COUNTY STANDARDS AT ALL GATES.

SITE LEGEND

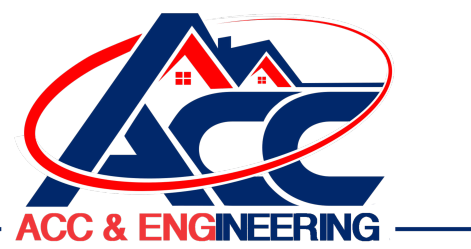
- ← FLOW LINE
- ▭ EXISTING BUILDING(S) NOT PART OF THIS CONTRACT
- ▭ NEW CONCRETE PAD
- ▭ NEW 3" AC PAVEMENT
- ⊗ SPECIFIED LOCATION
- ⊗ DIMENSION POINT OF REFERENCE

SHEET NOTE

- SN 1 LIMITS OF WORK
- SN 2 RELOCATE (E) STORAGE CONTAINERS TEMPORARY TO INSTALL CONCRETE PAD, REINSTALL IN THE SAME LOCATION ON THE NEW CONCRETE PAD.
- SN 4 EXISTING OFFICE TRAILER IS NOT PART, REMAIN AS IS AND PROTECTED IN PLACE.
- SN 10 ALIGN WITH FACE OF (E) BUILDING
- SN 11 (N) MANUAL WROUGHT IRON SLIDING GATE PER DETAILS
- SN 12 (N) CONCRETE CURB & WALK WAY / MAINTAIN 5% SLOPE AWAY FROM THE BUILDING.
- SN 13 PAINT 4" SOLID WHITE LINE. (TYP.)
- SN 16 PAINT WHITE AND BLUE INTERNATIONAL SYMBOL OF ACCESSIBILITY PAVEMENT MARKING PER CALTRANS STD. PLAN A24C (2 COATS)
- SN 23 INSTALL NEW BUMPER BLOCKS (ADA). PAINT BUMPER BLOCKS BLUE (2 COATS).
- SN 24 PAINT WHITE "NO PARKING" PAVEMENT LEGEND MARKING PER CALTRANS STD. PLAN A24E (2 COATS).
- SN 25 NEW LIGHT POLE FIXTURE - ELECTRICAL CONTRACTOR TO SUBMIT SHOP-DRAWINGS & POWER LAYOUT PLAN TO THE ENGINEER OF RECORD FOR APPROVAL. PLANS TO INCLUDE PHOTOMETRIC STUDY FROM THE MANUFACTURER.
- SN 27 TYPICAL WROUGHT IRON GATE TYPE I - AUTOMATIC
- SN 29 NEW CMU PERIMETER FENCE WALL 10' PER STRUCTURE DETAILS SHEET S-003 (TYPICAL)
- SN 30 NEW PEDESTRIAN GATE PER DETAILS SHEET A-504
- SN 31 INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA BMP TC-1, 30'X30'

1 CONSTRUCTION PLAN
1/16" = 1'-0"

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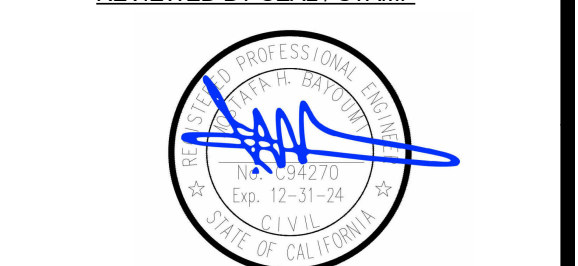
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ENGINEER OF RECORD
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SHEET NAME
CONSTRUCTION PLAN

SHEET NUMBER
A-200

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL EROSION CONTROL FACILITIES AS SHOWN ON THE APPROVED EROSION PLAN OR AS DIRECTED BY THE CITY ENGINEER AT THE END OF EACH WORKING DAY.
2. WHENEVER THE 5-DAY RAIN PROBABILITY EXCEEDS 40% (RAINY SEASON) EROSION CONTROL FACILITIES WILL BE INSPECTED DAILY.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL AS INDICATED BELOW.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EMERGENCY WORK CREW AT ALL TIMES DURING THE RAINY SEASON.
5. THE CONTRACTOR SHALL CONSTRUCT DESILTING FACILITIES AS NECESSARY FOR THE DURATION OF THE PROJECT.
6. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT RUNOFF OVER THE TOP OF SLOPES.
7. THE CONTRACTOR SHALL REMOVE ALL SLIT, STANDING WATER, AND DEBRIS FROM EROSION CONTROL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT PUBLIC ACCESS INTO AREAS WHERE STANDING WATER POSES A POTENTIAL HAZARD.
9. IN HIGH WIND AREAS, THE CONTRACTOR SHALL WATER SPRAY ATTACKED AREAS ON A BASIS TO CONTROL DUST DURING WIND MEASURES. WHEN NECESSARY, THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE DUST CONTROL BELOW DESIRES BY INSTALLING DEBRIS FENCES, ADDITIONAL TRASH ENCLOSURES, CHEMICAL LANGE CONTROL, TEMPORARY EROSION CONTROL MEASURES FOR ANY AREA THAT IS NOT IMPROVED IN A TIMELY MANNER FOLLOWING GRADING. LONG TERM WIND EROSION CONTROL MEASURES INCLUDE BUT NOT LIMITED TO: PERIMETER WALLS AND BARRIERS, SOIL DUST DILUTANTS, SOIL RETAINERS, WIND WIND BARRIERS NOT OVERLY TALL LIVE TO TOP. PERIMETER WALLS AND THE IRRIGATION SYSTEM.
10. THE ENGINEER RESERVES THE RIGHT TO REQUIRE ALTERNATIVE OR ADDITIONAL EROSION CONTROL FACILITIES AS HE DEEMS NECESSARY.

NOTES

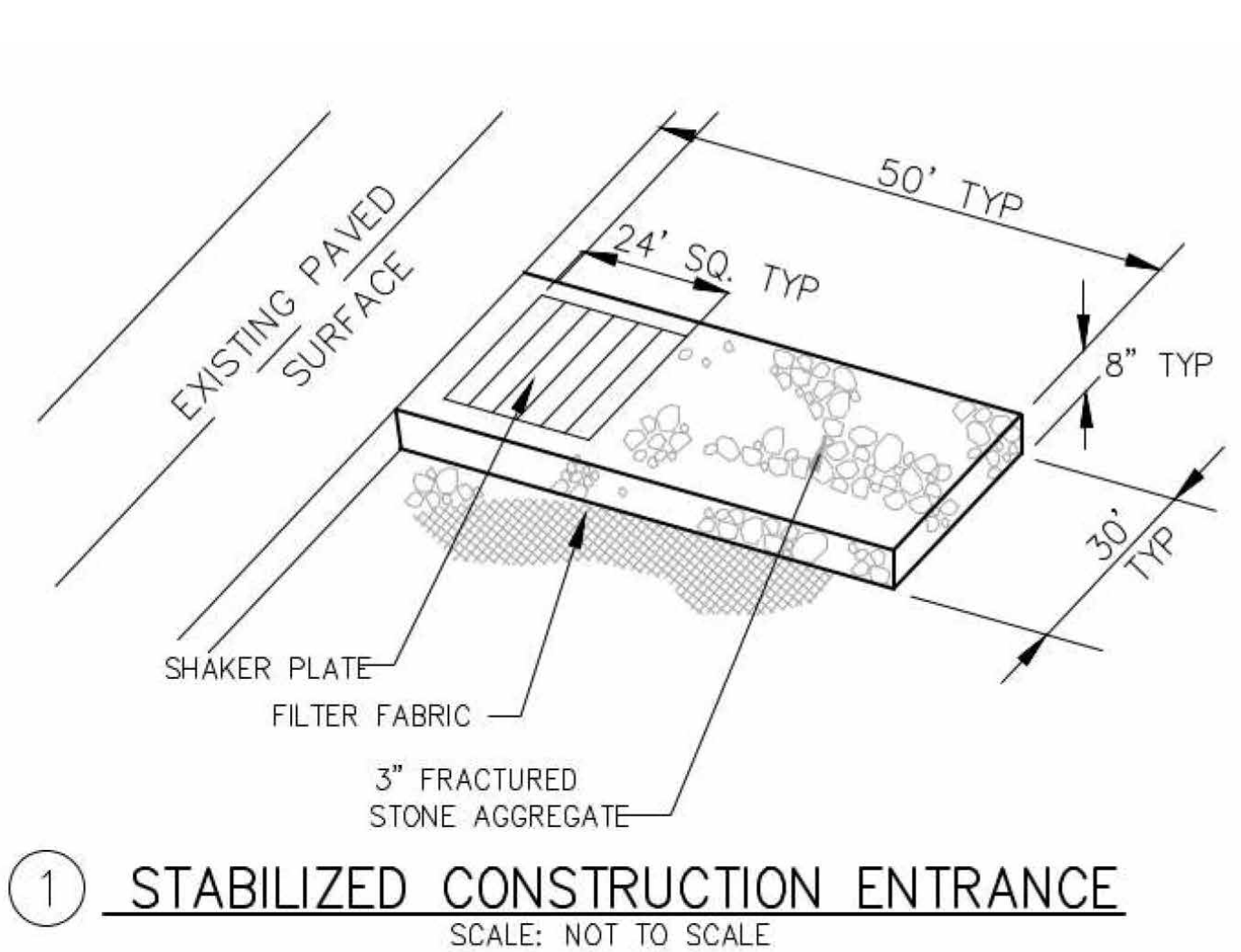
1. CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP'S) FOR THE MANAGEMENT OF STORMWATER AND NON-STORMWATER DISCHARGES SHALL BE DOCUMENTED ON THE GRADING PLAN. ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO RETAIN THE APPROVED BMP'S ON-SITE THROUGHOUT THE TIME OF CONSTRUCTION. TO IMPLEMENT VIABLE MAINTENANCE OF THE SITE BMP'S IS REQUIRED. SEDIMENTATION AND EROSION AND SEDIMENTATION ARRANGEMENTS SHALL BE MAINTAINED BY THE DEVELOPER TO MAINTAIN BMP'S THROUGHOUT THE TIME OF CONSTRUCTION.
2. TO PREVENT AND/OR MINIMIZE THE ENRICHMENT AND SOIL IN RUNOFF FROM DISTURBED SOIL AREAS IN CONSTRUCTION SITES, SEDIMENT CONTROL BMP'S SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT AND/OR MINIMIZE THE IMPACT OF SEDIMENTATION.
3. GRADING SHALL BE PHASED TO LIMIT THE AMOUNT OF DISTURBED AREA EXPOSED TO THE EXTENT FEASIBLE.
4. AREAS THAT ARE CLEARED AND GRADED SHALL BE RESTORED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. THE CONSTRUCTION SITE SHALL BE MANAGED TO MINIMIZE THE EXPOSURE OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
5. ONCE DISTURBED SOILS (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 21 DAYS DURING STORM SEASON. ALL SLOPES SHALL BE STABILIZED PRIOR TO PREDICTED STORM EVENT. CONSTRUCTION SITES SHALL BE REVEGETATED AS EARLY AS FEASIBLE AFTER SOIL DISTURBANCE.
6. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO BE ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE OR SITES. DEBRIS FACILITIES OF ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
7. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT A STORM DOES NOT CARRY AWAY STORMWATER POLLUTANTS OFF THE SITE. DISCHARGES OTHER THAN STORMWATER (NON-STORMWATER DISCHARGES) ARE PROHIBITED, EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT. THE STATE'S GENERAL PERMIT CONSTRUCTION ACTIVITY POLLUTION ELIMINATION INCLUDE BUT ARE NOT LIMITED TO: SOLVENT, OIL, HYDRAULICS, SPIELS; WASTE FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, AND PESTICIDES HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES, LIME, ASBESTOS, REFRIGERANT FLUIDS OR SUCTION REFRIGERANTS; FLUIDS, OILS, LUBRICANTS, AND HYDRAULIC FLUIDS OR GREASES; FUELS, VOLATILE WASTES; RELIABLE CUTTING OR CARBON FORM BUTTER; FLOATABLES MATERIALS FROM WASTE/REFUSE/REFUSE CLEANING AND CHEMICAL DETREATING ENGINES; FORM STREET CLEANING; OR SEPTIC, DRAINAGE, POTABLE WATER FROM LINE FLUSHING AND FLUSHING DURING CONSTRUCTION. DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE. PHYSICALLY DISPOSE OF POLLUTANT STORAGE. SECURE WITH SUITABLE RESTRAINT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
8. RUNOFF FROM CONSTRUCTION SITE VEHICLES MUST NOT BE DISCHARGED TO RECEIVING WATERS OR LOCAL STORM DRAIN SYSTEM.
9. APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO ELIMINATE OR REDUCE ADJACENT PROPERTIES BY WIND OR DRAINAGE FACILITIES, OR DURING STORM EVENT SITE TO STREETS, RUNOFF.
10. ALL CONSTRUCTION CONTRACTORS AND SUBCONTRACTOR PERSONNEL ARE TO BE TRAINED IN THE IMPLEMENTATION AND USE OF THE REQUIRED BMP'S AND HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS AND ALL TRAINING DOCUMENTATION SHALL BE MAINTAINED AT THE SITE.
11. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY THE DRAINAGE/EXCAVATION/CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON-STORMWATER ASSOCIATED WITH PRODUCTION BY DEWATERING ACTIVITIES MAY REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD.
12. BMP'S SHALL BE MAINTAINED AT ALL TIMES, AND ACTIVITIES SHALL BE IMPLEMENTED PRIOR TO PRODUCTION STORM EVENTS, AND FOLLOWING STORM EVENTS.
13. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN TRASH OR RECYCLE BINS.
14. CONTRACTOR TO PROVIDE AND HAVE A QUALIFIED STORMWATER PRACTITIONER RESPONSIBLE FOR IMPLEMENTING AND MEETING THE SWPPP REQUIREMENTS.

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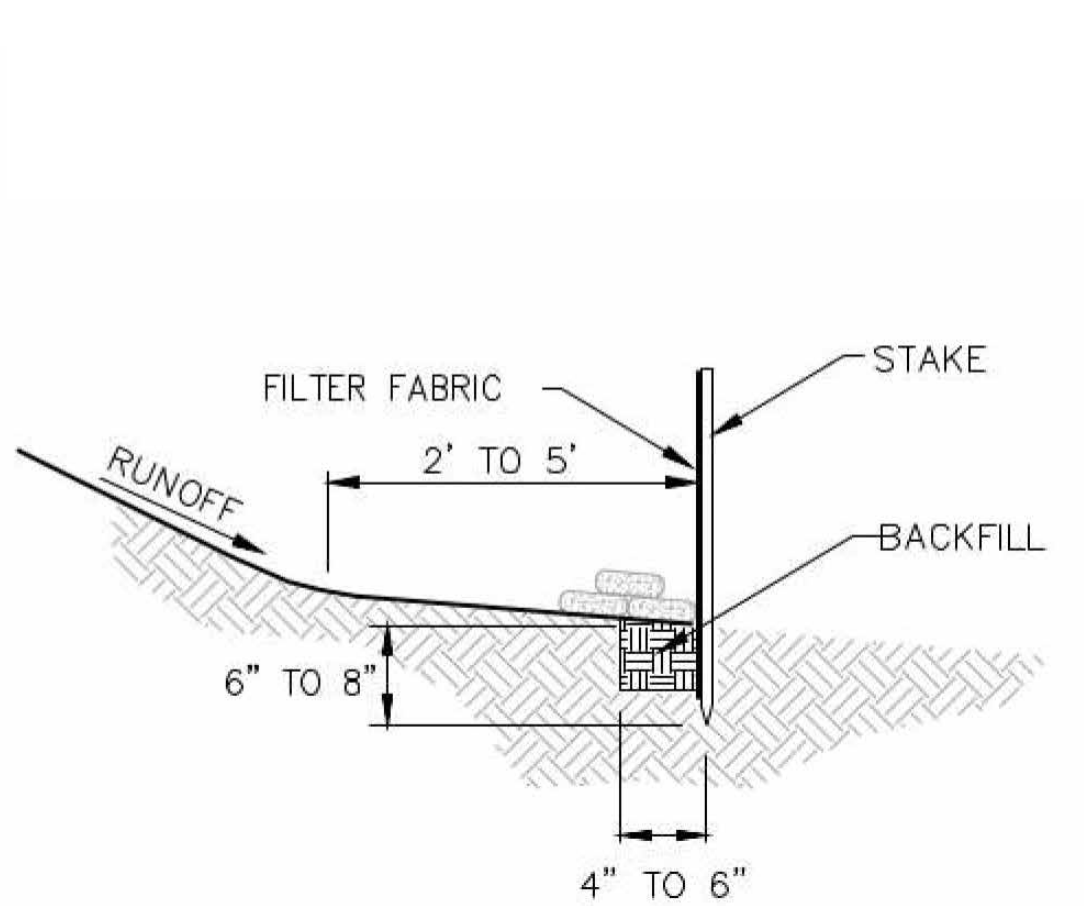


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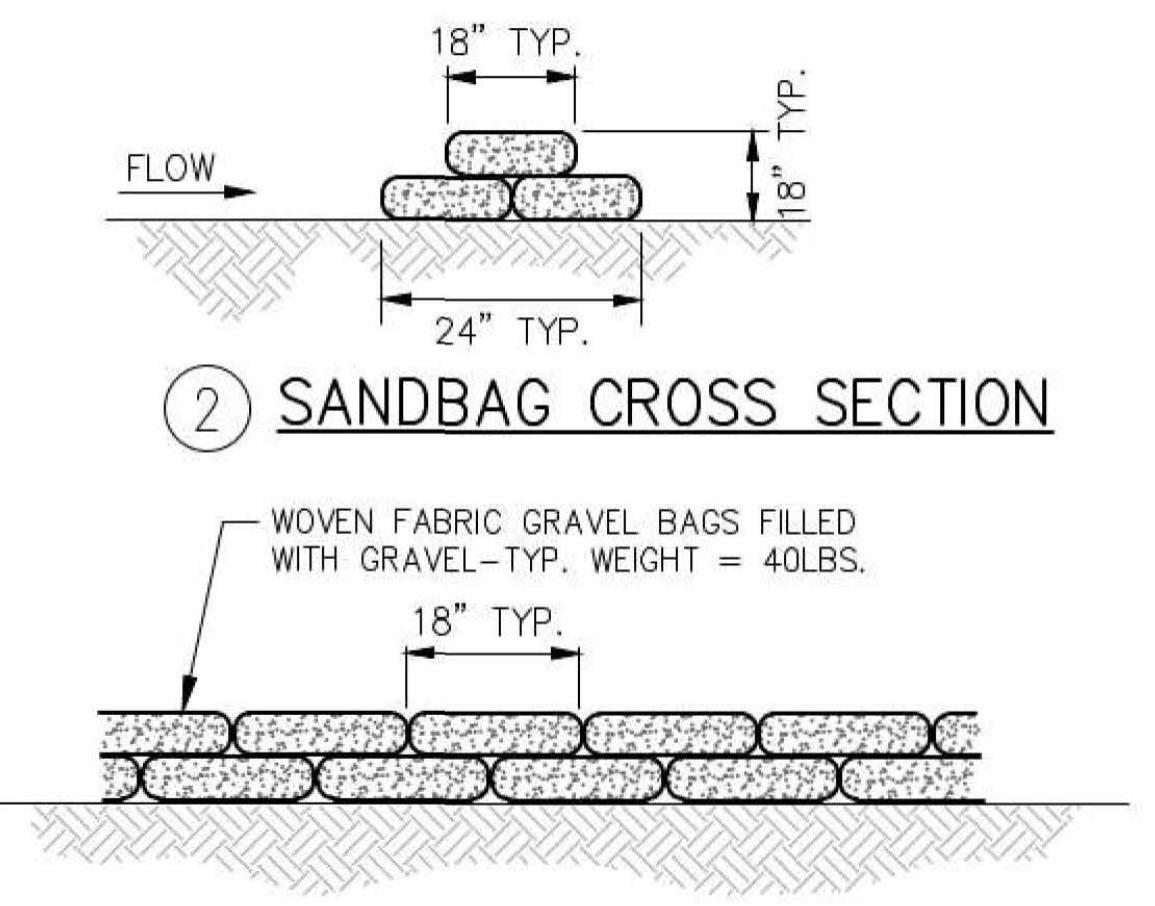
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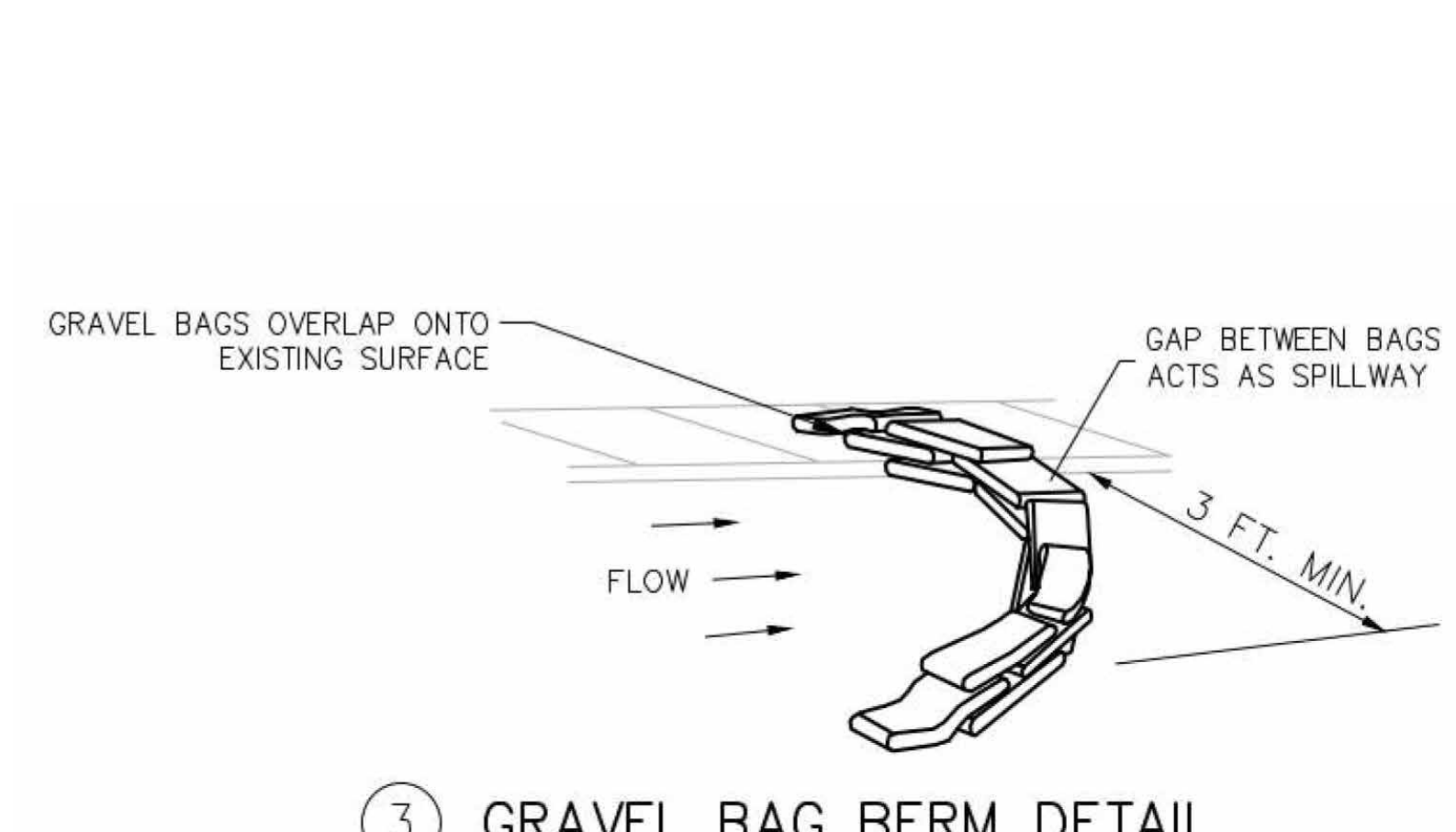
① STABILIZED CONSTRUCTION ENTRANCE
SCALE: NOT TO SCALE



② SILT FENCE DETAIL
SCALE: NOT TO SCALE



② SANDBAG FRONT VIEW



③ GRAVEL BAG BERM DETAIL
SCALE: NOT TO SCALE

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SHEET NUMBER
EROSION CONTROL

SHEET NUMBER
A-201

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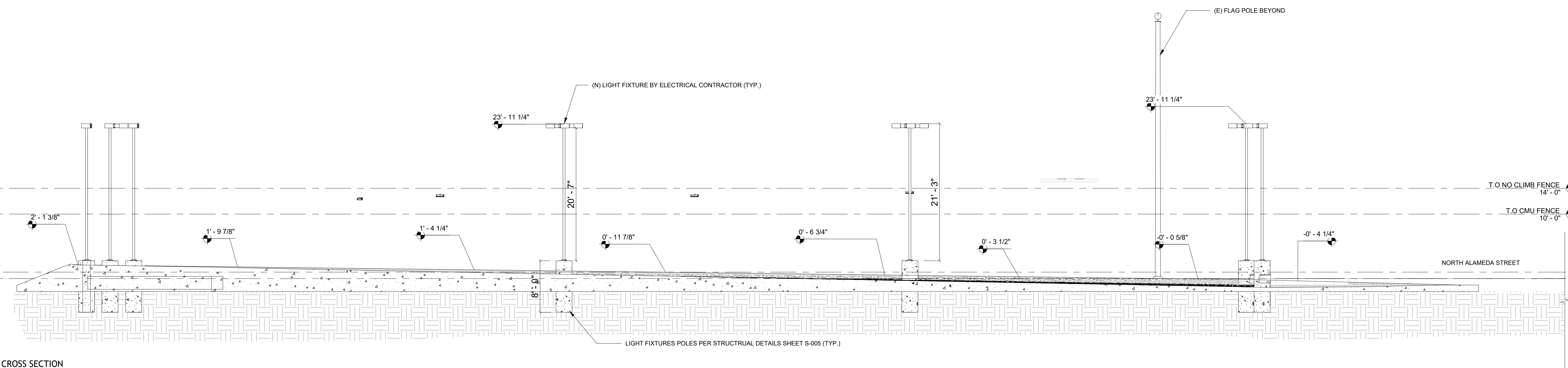
1517 PLAN SUBMITTAL# 09090003

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REVISION NUMBER	DATE

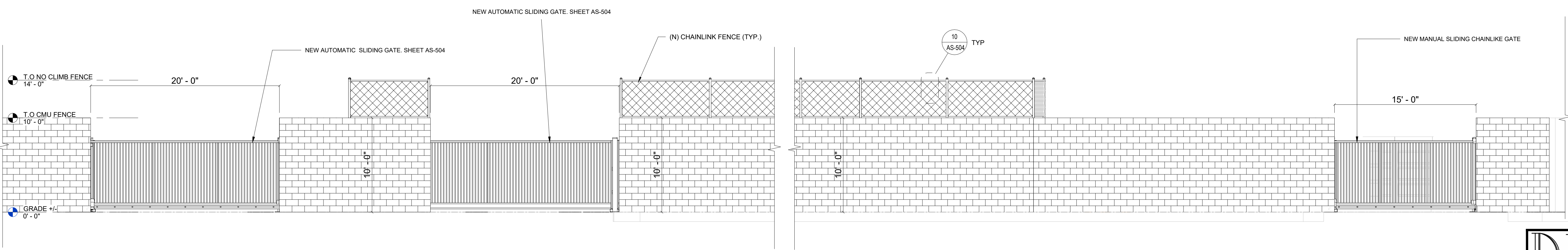
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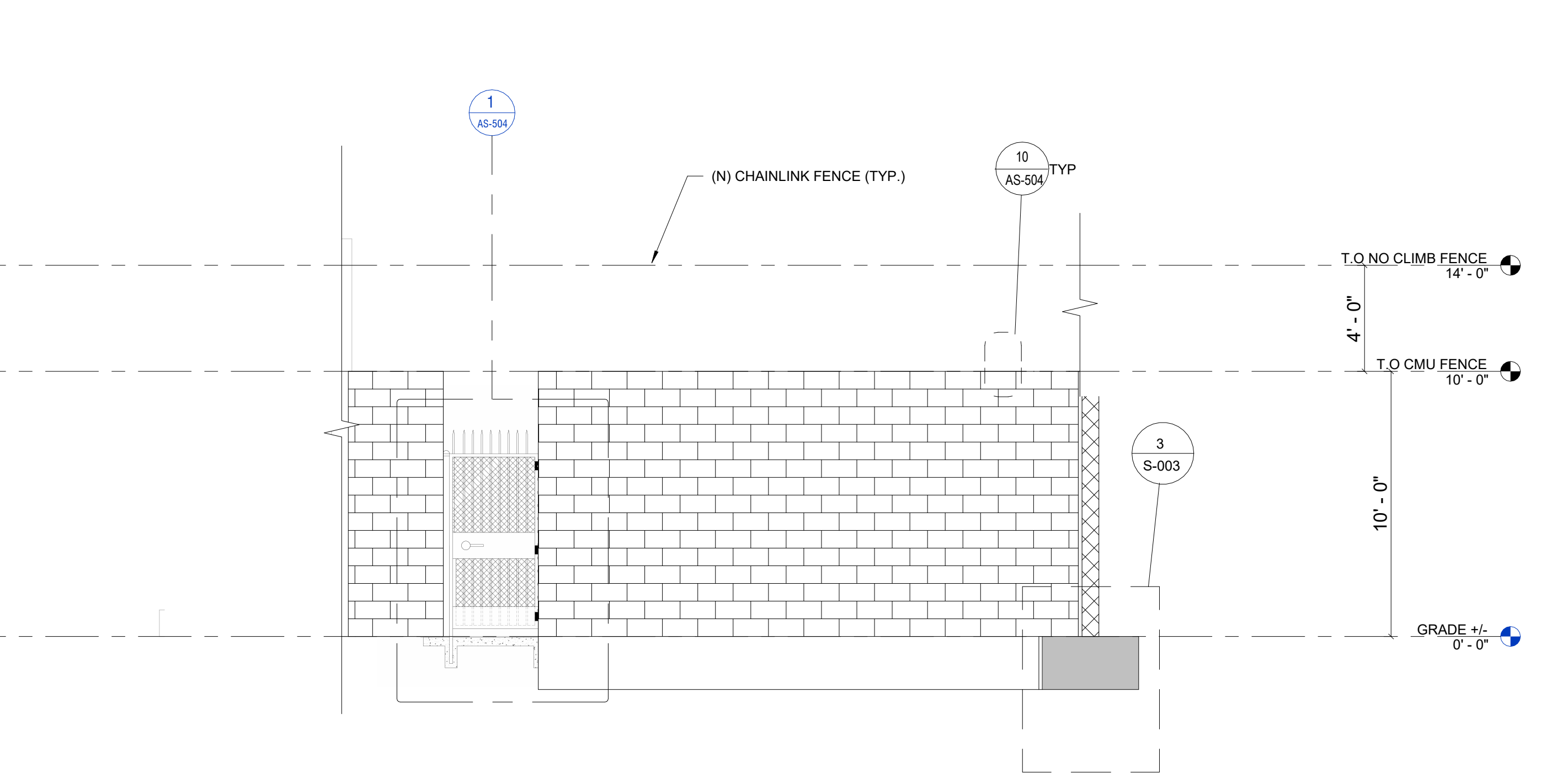
SHEET NAME
ELEVATIONS & SECTIONS
SHEET NUMBER
A-500



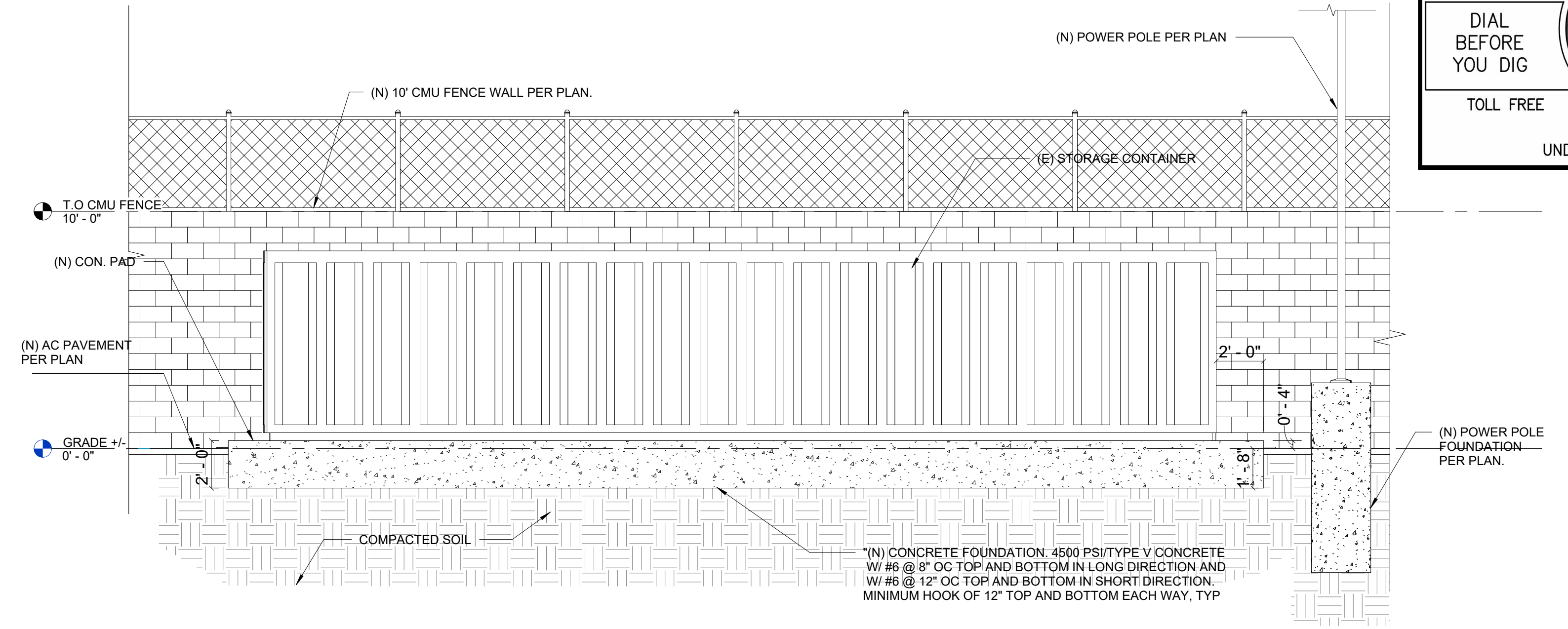
1 PARKING LOT CROSS SECTION
1/8" = 1'-0"



2 EXTERIOR - ALAMEDA STREET ELEVATION
3/16" = 1'-0"



3 PEDESTRIAN GATE ELEVATION
1/4" = 1'-0"



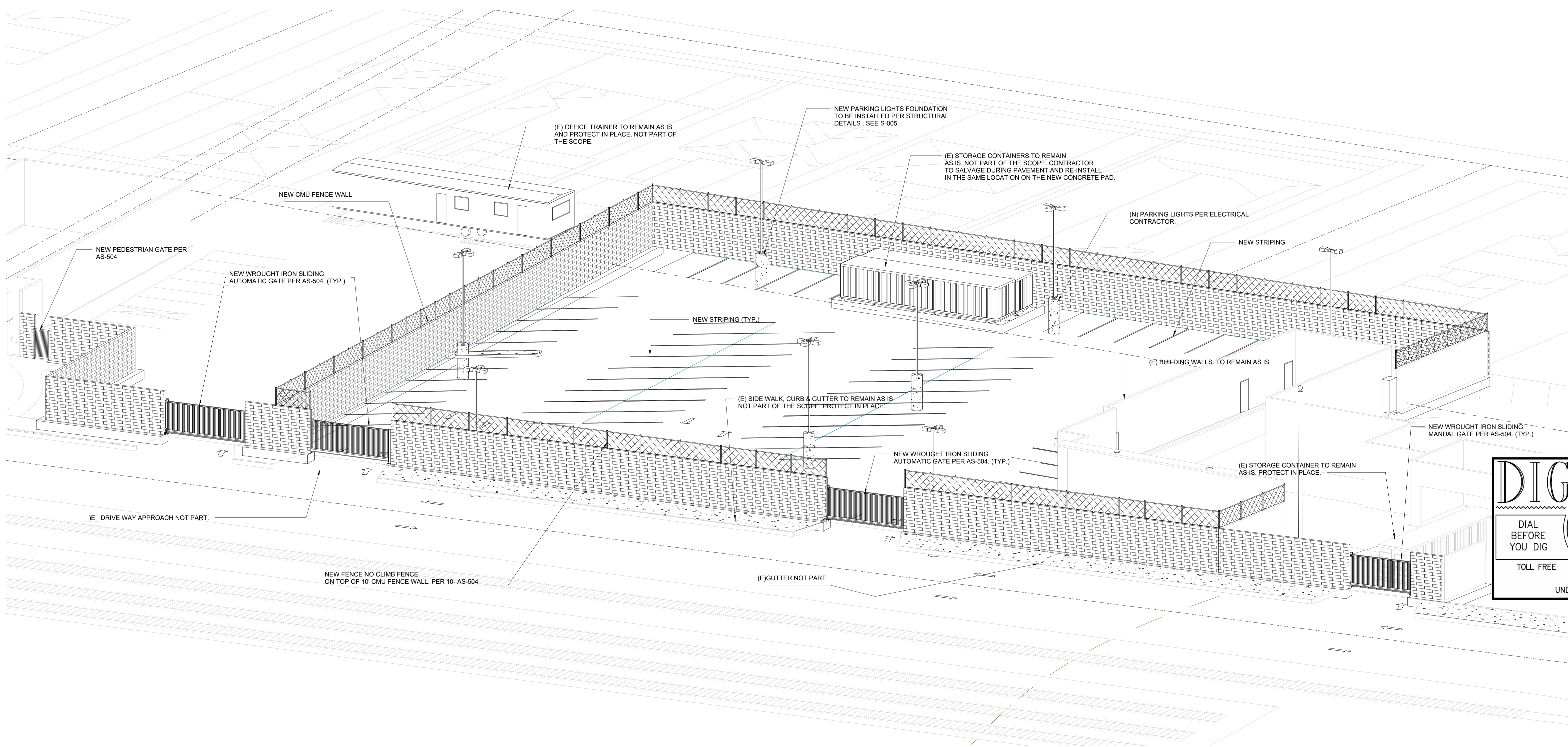
4 STORAGE CONTAINER CONCRETE PAD
1/4" = 1'-0"

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1 PROPOSED - 3D VIEW

JURISDICTION HAVING AUTHORITY

1537 PLAN SUBMITTAL# 15-0920023

REVISION SCHEDULE	
REVISION NUMBER	DATE

ENGINEER OF RECORD
 THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED UNDER THE RESPONSIBLE CHARGE (THE DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER AND CERTIFIES THAT THE WORK WAS PERFORMED COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND ACCEPTABLE STANDARDS OF PRACTICE.
 REVIEWED BY SEAL / STAMP



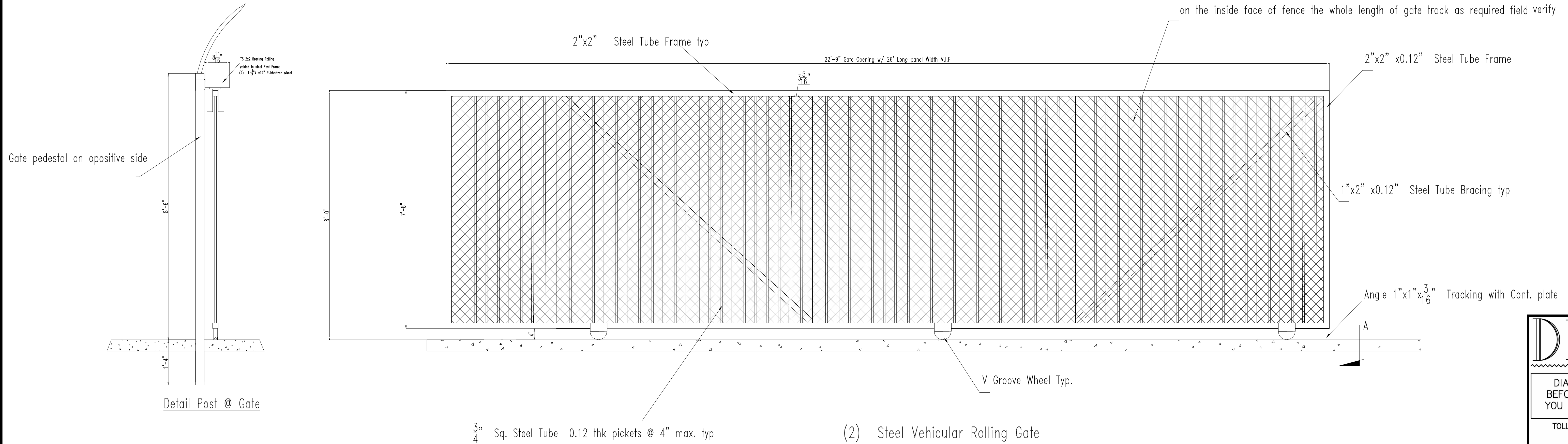
SHEET NAME
 ISOMETRIC VIEW FOR CLARIFICATION ONLY

SHEET NUMBER
 A-501

GATE NOTES

ELECTRIC OPERATED WITH (1) 1.25 HP AC MOTOR WITH PERFORATED METAL SAFETY MESH (PER UL 325)
 PROVIDE GATE MOTOR W/ ADJUSTABLE AUTOMATIC TIMED GATE ENCLOSING DEVICE
 ALL GATE OPERATOR AND SAFETY FUNCTIONS SHALL COMPLY WITH UL 325 (NO EXCEPTIONS).
 ALL GATE STEEL SHALL BE 0.12 THK MIN.
 IF GATE IS TOO LARGE FOR GALV. THEN PROVIDE COLD GALV GALVANIZATION AND GROUND ALL WELD SMOOTH
 ALL GATE COMPONENTS SHALL BE POWER POLYESTER COATED, USE TWO COAT SYSTEM, PRIMER & POWDER COAT WITH
 BLACK MATE FINISH.
 PROVIDE KNOX KEY SWITCH AS REQUIRED CONTRACT09R TO OBTAIN ORDER FORM FROM THE COUNTY OF LOS ANGELES
 FIRE DEPARTMENT
 GATE PINS SHAL BE RATED WITH SHEAR PIN FORCE NOT EXCEED 30 FOOT POUND.
 NO FIELD WELDING

Perforated metal safety mesh (per UL 325) on exterior face provide bracing as required
 Provide perforated metal safety mesh 16ga $\frac{1}{4}$ " opening & powder coated
 on the inside face of fence the whole length of gate track as required field verify



$\frac{3}{4}$ " Sq. Steel Tube 0.12 thk pickets @ 4" max. typ

(2) Steel Vehicular Rolling Gate

01 ORNAMENTAL GATE OPTION 2
 N.T.S

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PROJECT NAME LOCATION OWNER
 COMMUNITY SERVICES YARD SITE IMPROVEMENTS
 4404 N ALAMEDA ST., COMPTON, CA 90221
 CITY OF COMPTON COMMUNITY SERVICES

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 REVIEWED BY SEAL / STAMP



SHEET NAME
GATES DETAILS

SHEET NUMBER
AS-505

ABBREVIATIONS

AB. ANCHOR BOLT
ADJ. ADJACENT
ALLOW. ALLOWABLE
ALT. ALTERNATE
APPROX. APPROXIMATE
BDRY. BOUNDARY
BL. BOTTOM LAYER
BOT. BOTTOM
B.S. BOTH SIDES
BT. BENT
CLR. CLEAR
COL. COLUMN
CONC. CONCRETE
CONT. CONTINUOUS
CSK. COUNTERSUNK
CJ. CEILING JOIST
CB. CEILING BEAM
DBL. DOUBLE
DEPR. DEPRESSION
DIA. DIAMETER
DIM. DIMENSION
DN. DOWN
DS. DOUBLE STIRRUPS
DWLS. DOWELS
EA. EACH
E.F. EACH FACE
EQ. EQUAL
EQUIP. EQUIPMENT
E.W. EACH WAY
E. EXISTING
EXT. EXTERIOR
FB. FLOOR BEAM
FDN. FOUNDATION
F.F. FINISH FLOOR
FG. FLOOR GIRDER
F.J. FLOOR JOIST
FLG. FLANGE
FLR. FLOOR
F.O.S. FACE OF STUD
F.P. FULL PENETRATION
F.S. FAR SIDE
FTG. FOOTING
GA. GAGE
GALV. GALVANIZED
GLB. GLUE LAMINATED BEAM
GR. GRADE
HORIZ. HORIZONTAL
H.S. HIGH STRENGTH
HSS. HOLLOW
STRUCT. SECTION
I.D. INSIDE DIAMETER
I.F. INSIDE FACE
INT. INTERIOR
JST. JOIST
JT. JOINT
K.P. KING POST
L.G. LONG
LGTH. LENGTH
LTWT. LIGHTWEIGHT
MECH. MECHANICAL
MFR. MANUFACTURER
N.I.C. NOT IN CONTRACT
NLB. NON-LOAD BEARING
NO. NUMBER
N-S. NORTH-SOUTH
N.T.S. NOT TO SCALE
O.D. OUTSIDE DIAMETER
O.F. OUTSIDE FACE
OPNG. OPENING
OPP. OPPOSITE
P.P. PROPERTY LINE
P.L. PARTIAL PENETRATION
QTY. QUANTITY
REG. REGULAR
REINF. REINFORCEMENT
REQD. REQUIRED
ROOF BEAM
RC. REINFORCED CONC.
RR. ROOF RAFTER
SCHD. SCHEDULE
SECT. SECTION
SHTG. SHEATHING
S.O.G. SLAB ON GRADE
SPCG. SPACING SQUARE
STAG. STAGGERED
STD. STANDARD
STIRR. STIRRUPS
STL. STEEL
STR. STRAIGHT
STRUCT. STRUCTURAL
SUPPT. SUPPORT
SW. SHEAR WALL
SYM. SYMMETRICAL
T & B. TOP AND BOTTOM
T.C. TOP OF CURB
TEMP. TEMPERATURE
T.S. TOP OF STEEL
TOW. TOP OF WALL
TOR. TOP OF RAILING
TYP. TYPICAL
U.N.O. UNLESS NOTED OTHERWISE
VERT. VERTICAL
V.I.F. VERIFY IN FIELD
WWM. WELDED WIRE MESH

GENERAL:

- 1. THE CONTRACTOR SHALL VERIFY ALL CONTRACT DOCUMENTS, SITE DIMENSIONS, AND CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. UNLESS SHOWN OR NOTED OTHERWISE, TYPICAL DETAILS AND GENERAL NOTES SHALL BE USED WHENEVER APPLICABLE.
3. UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS, CONTRACTOR SHALL FURNISH ADEQUATE SHORING, BRACING, ETC. AS REQUIRED TO SAFELY EXECUTE ALL WORK, AND SHALL BE FULLY RESPONSIBLE FOR SAME.
4. COPIES OF ALL INSPECTION REPORTS, TEST RESULTS, ETC. SHALL BE SENT TO THE ENGINEER.
5. ANY CONFLICT BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS MUST BE VERIFIED WITH ENGINEER BEFORE CONSTRUCTION CAN PROCEED.
6. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.

Design Criteria:

Table with 2 columns: Dead Loads and Seismic Loads. Rows include CMU Wall DL, Wind Loads, V, Design Pressure, Site Class, Ss, S1, Sds, D.

CONCRETE:

- 1. CAST-IN-PLACE CONCRETE SHALL BE REGULAR WEIGHT STONE AGGREGATE CONCRETE. UNLESS NOTED OTHERWISE, MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:
A. FOOTINGS AND SLABS: 2500 psi.
B. GRADE BEAMS, AND PILES: 3000 psi.
C. DEEP FOUNDATIONS: 4000 psi.
D. ALL OTHER CONCRETE: 2500 psi.
2. CYLINDER TESTS SHALL BE MADE FOR ALL CONCRETE GREATER THAN 2500 PSI AND TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE GREATER THAN 2500 PSI SHALL BE SUBJECT TO CONTINUOUS INSPECTION IN CONFORMANCE WITH THE BLDG. CODE.
3. CEMENT SHALL CONFORM TO ASTM C150 TYPE II, UNLESS ALKALINE SOILS ARE PRESENT.
4. AGGREGATES SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.005.
5. READY MIX CONCRETE SHALL COMPLY WITH ASTM C94.
6. UNLESS NOTED OTHERWISE, ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.
7. UNLESS NOTED OTHERWISE, ON THE DRAWINGS, MIN. CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
A. CONCRETE CAST AGAINST EARTH: 3"
B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER: 1-1/2"
I. #5 BARS AND SMALLER: 1-1/2"
II. ALL BARS LARGER THAN #5: 2"
C. FORMED CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: 3/4"
I. SLABS AND WALLS: 3/4"
II. BEAMS AND COLUMNS: 1-1/2"
11. MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5/8" DIA. AB @ 48" O.C., WITH 7" EMBEDMENT, AND 3"x3"x1/4" PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 4 1/2" MINIMUM FROM THE END OF PLATE (CBC 1905.1.8)
12. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS ITEMS TO BE CAST INTO CONCRETE AND MASONRY. DO NOT CUT OR DEFORM PRIMARY REINFORCING BARS WITHOUT CONSENT OF THE ENGINEER.
13. HOT DIP GALVANIZE OR PROVIDE 3" MINIMUM CONCRETE COVER AROUND ALL STRUCTURAL STEEL BELOW GRADE. STRUCTURAL STEEL EMBEDDED IN CONCRETE OR MASONRY SHALL BE UNPAINTED.
A. THE CONTRACTOR SHALL HAVE A MINIMUM OF 2 WORKING VIBRATORS PRIOR TO ANY CONCRETE PLACEMENT.
B. THE CONTRACTOR SHALL SUBMIT BOTH A COLD WEATHER AND A HOT WEATHER PROTECTION PLANS TO THE AOR AND SEOR FOR APPROVAL PRIOR TO THE PLACEMENT ANY CONCRETE.
C. WHEN CONCRETE IS ≥ 12" IN DEPTH, IT SHALL BE VIBRATED TO THE FULL DEPTH.

REINFORCING STEEL:

- 1. REINFORCING STEEL FOR TIES AND STIRRUPS SHALL BE ASTM A615 GRADE 60; ALL OTHER REINFORCING STEEL SHALL BE ASTM A615 GRADE 60, U.N.O.
2. ALL WELDED REINFORCEMENT SHALL COMPLY WITH ASTM A706, U.N.O.
3. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185.
4. MIN. REINFORCING STEEL LAP SPLICE SHALL BE LARGER OF VALUES IN REINFORCEMENT SCHEDULE ON DETAIL 10 SHEET S-0.2, 40 BAR DIA., OR 1'-8".
5. REINFORCEMENT DEVELOPMENT LENGTH SHALL BE PER REINFORCEMENT SCHEDULE ON DETAIL 10 SHEETS S-0.2
6. ALL REINFORCEMENT SHALL BE SECURELY TIED AND BRACED IN PLACE PRIOR TO POURING CONCRETE OR GROUTING MASONRY.
A. INSPECTION OF MATERIAL:
1. ALL REINFORCING STEEL SHALL BE PROPERLY IDENTIFY BY THE DEPUTY INSPECTOR OR THE IOR AT THE TIME OF DELIVERY TO THE PROJECT SITE OR TO THE FABRICATORS SHOP.
2. THE CONTRACTOR SHALL COORDINATE THE SCHEDULING OF THIS INSPECTION OF MATERIAL WITH THE DELIVERY OF MATERIAL (SITE OR FABRICATOR SHOP) OF A MINIMUM OF 24 HOURS IN ADVANCE.
3. THE MATERIAL IS NOT TO BE UNLOADED UNTIL IT IS ACCEPTED
B. ACCEPTANCE OF MATERIAL:
1. BOTH MILL CERTIFICATION(S) AND MILL TAG(S) MUST BE RECEIVED AT THE TIME OF DELIVERY OR INSPECTION.
2. ALL ACCEPTED MATERIAL CAN BE UNLOADED AND STORE IN THE PROPER MANNER.
C. REJECTED MATERIAL:
1. IF BOTH MILL CERTIFICATION(S) AND MILL TAG(S) ARE NOT RECEIVED AT THE TIME OF DELIVERY OR INSPECTION, THE MATERIAL IS REJECTED.
2. ALL REJECTED MATERIAL SHALL NOT BE UNLOADED OR STORE ON THE PROJECT SITE.
3. IF THE MATERIAL IS REJECTED, THE MATERIAL MAY BE TESTED AT THE CONTRACTORS EXPENSE. THE TESTING WILL BE DONE AT A RIVERSIDE COUNTY'S APPROVED FIRM ACCORDING TO ASTM 615 OR ASTM 706.

FOUNDATION:

- 1. REFER TO PLANS, DETAILS FOR FOUNDATIONS SIZES AND REINFORCEMENT.
2. CONTRACTOR IS RESPONSIBLE TO REVIEW AND COMPLY WITH ALL RECOMMENDATIONS FOUND IN SOILS REPORT FOR THIS PROJECT.
3. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED UNLESS ALREADY PROVIDED FOR THIS PROJECT.
4. MINIMUM FOOTING REINFORCEMENT SHALL BE (2) #4 BAR TOP AND BOTTOM (CBC 1905.1.6)
5. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN SOILS REPORT. IF SOILS REPORT IS NOT AVAILABLE FOR THIS PROJECT FOUNDATION DESIGN SHALL BE IN ACCORDANCE WITH CALIFORNIA BUILDING CODE TABLE 1806.2 AND AS FOLLOWS U.N.O. ON PLANS. (RECOMMENDATIONS IN SOILS REPORT SHALL GOVERN OVER TABLE BELOW):
A. SOIL TYPE: PER SOILS REPORT. IF SOILS REPORT IS NOT AVAILABLE, ASSUME EXPANSIVE SOILS.
B. MAXIMUM VERTICAL BEARING: 1,500 psf
C. MAXIMUM LATERAL BEARING: 100 psf/ft below natural grade
D. COEFFICIENT OF FRICTION: 0.25

- 6. MINIMUM FOOTING DIMENSIONS SHALL BE AS FOLLOWS U.N.O. ON PLANS. DRAWINGS & CALCULATION REPORT SHALL GOVERN OVER BELOW):
A. CONTINUOUS FOOTINGS WIDTH: 18"
B. CONTINUOUS FOOTING EMBEDMENT: 24"
C. PAD FOOTING WIDTH: 24"
D. PAD FOOTING EMBEDMENT: 24"

- 7. CONTRACTOR IS RESPONSIBLE TO OBTAIN MINIMUM 95% COMPACTION U.N.O. IN SOILS REPORT.
8. NOTIFY ENGINEER IF SUPERIMPOSED LOADING FROM FOUNDATION, ETC. EXISTS ON ADJACENT PROPERTY WITHIN A DISTANCE DEFINED BY A 45 DEGREE IMAGINARY LINE PROJECTED UPWARD FROM TOP OF FOOTING.
9. FOOTING DEPTHS SHOWN ARE A MINIMUM AND MAY BE INCREASED BY CONTRACTOR OR PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
10. GEOTECHNICAL ENGINEER SHALL VERIFY IN WRITING TO THE ENGINEER THAT THE SITE GRADING WORK COMPLIES WITH ALL OF THE RECOMMENDATIONS AND CONCLUSIONS OF THE GEOTECHNICAL REPORT, IF SUCH REPORT IS PRESENT.
11. THE FOOTING EXCAVATIONS SHALL BE KEPT FREE FROM LOOSE MATERIAL AND STANDING WATER AND SHALL BE NEAT AND TRUE TO LINE BEFORE ANY CONCRETE IS PLACED. EXCAVATIONS SHALL BE CHECKED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER TO INSURE COMPLIANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT, IF SUCH REPORT IS PROVIDED.
12. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
13. DOWELS BETWEEN FOOTING AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL REINFORCEMENT. U.N.O.

STRUCTURAL STEEL:

- 1. STRUCTURAL STEEL SHALL CONFORM TO A992, GRADE 50. STRUCTURAL STEEL PIPE SHALL BE ASTM A53 B. STRUCTURAL STEEL SQUARE AND/OR RECTANGULAR TUBING SHALL BE GRADE B, CONFORMING TO ASTM A580. STEEL PLATES SHALL CONFORM TO ASTM A36.
2. FABRICATION AND ERECTION SHALL BE IN COMPLIANCE WITH CURRENT AISC SPECIFICATIONS FOR BUILDINGS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, INCLUDING THE COMMENTARY AND SUPPLEMENTS.
3. STRUCTURAL STEEL FABRICATOR'S QUALIFICATION: STRUCTURAL STEEL FABRICATOR MUST BE ON THE CITY'S PRE APPROVED LIST OR PARTICIPATE IN THE AISC CERTIFICATION PROGRAM DESCRIBED IN AISC CERTIFIED PLANT. CATEGORY STANDARD.
4. MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS, UNLESS NOTED OTHERWISE ON DRAWINGS:
A. W-SHAPES - ASTM A992, FY=50 KSI
B. PLATES FOR W-SHAPE MEMBERS AND STRUCTURAL TUBES - ASTM A572 GR 50
C. OTHER ROLLED SECTIONS (ANGLES, CHANNELS, PLATES, ETC.) - ASTM A36, FY=36 KSI
D. WHERE NOTED 50 KSI ON DRAWINGS - ASTM A572, FY=50 KSI
E. STEEL PIPE - ASTM A53, TYPE E, GR. B, FY=35KSI
F. STRUCTURAL ROUND (HSS) - ASTM A500, GR. C, FY=46KSI
G. STRUCTURAL TUBES (HSS) - ASTM A500, GR. C, FY=50KSI
H. STRUCTURAL BOLTS U.N.O. - ASTM A325 (TYPE N CONNECTION)
I. ANCHOR RODS/BOLTS - ASTM F1554, GRADE 36,
J. SHEET STEEL - ASTM A1011 GR36
K. WELDING RODS - E-70XX SERIES LOW HYDROGEN
5. ANCHOR RODS
A. PROVIDE HEADED OR THREADED AND NUTTED ANCHOR RODS. HOOKED ANCHOR RODS ARE NOT ACCEPTABLE.
B. FOR THREADED ANCHOR RODS, PROVIDE A SINGLE HEAVY HEX NUT. TACK WELD THE BOTTOM OF THE NUT TO THE ROD AT THE EMBEDDED END, UNLESS NOTED OTHERWISE. THE TOP OF THE EMBEDDED HEAD OR NUT IS THE BASIS FOR MEASUREMENT OF EMBEDMENT. PROVIDE A RIGID TEMPORARY STEEL TEMPLATE TO LOCATE ANCHOR RODS DURING CONCRETE PLACEMENT.
C. DO NOT HEAT OR BEND ANCHOR RODS.
6. HEADED ANCHOR STUDS (HAS)/SHEAR CONNECTOR STUDS
A. NELSON HEADED STUDS TYPE-B ICC-ES EVALUATION REPORT #ESR-2856 (FY=65 KSI) OR APPROVED EQUAL. STUDS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT.
B. USE 3/4" MINIMUM DIAMETER STUDS. STUDS SHALL BE AT LEAST 3" LONG, AND SHALL EXTEND AT LEAST 1 1/2" ABOVE THE TOP FLUTE OF THE ADJACENT METAL DECK. STUDS SHALL BE EQUALLY SPACED ACROSS BEAM OR SPACED AS SHOWN ON DRAWINGS. STUDS MAY BE HAMMER TESTED BY BENDING 15 DEGREES FROM THE VERTICAL.
C. WELDING AND INSPECTION SHALL BE IN ACCORDANCE WITH AWS D1.1.
D. CONTRACTOR TO VERIFY SOUND WELDS BY 100% ACOUSTICAL TESTING. CONTRACTOR TO REPLACE STUDS OR REPAIR DEFICIENT WELDS IN ACCORDANCE WITH AWS D1.1.
7. DEFORMED BAR ANCHORS SHALL BE NELSON DEFORMED ANCHORS ICC-ES EVALUATION REPORT ESR-2907 OR APPROVED EQUAL. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE NELSON STUD WELDING EQUIPMENT. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
8. FINISHES
A. STEEL COMPLETELY ENCASED IN CONCRETE SHALL NOT BE PAINTED AND AT THE TIME THE CONCRETE IS PLACED, SHALL BE CLEAN AND FREE FROM ANY SUBSTANCE THAT MIGHT IMPAIR THE BOND BETWEEN THE STEEL AND THE CONCRETE. IF EXPANSION ANCHORS ARE USED IN MASONRY, ALL ANCHORS SHALL BE 3/4 INCH MIN. INSTALL IN SOLID GROUTED CELLS AND SUBMIT PRODUCT DATA SHEETS AND ICC-ES EVALUATION REPORT FOR APPROVAL.
B. SUBMIT SHOP DRAWINGS AND INCLUDE THE STRUCTURAL CALCULATIONS PER REQUIREMENTS FOR DEFERRED SUBMITTALS.
C. WELDING SHALL CONFORM TO THE FOLLOWING AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODES AS APPLICABLE.
I. AWS D1.1 STRUCTURAL WELDING CODE-STEEL.
II. AWS D1.3 STRUCTURAL WELDING CODE-SHEET STEEL.
III. AWS D1.4 STRUCTURAL WELDING CODE-REINF'G STEEL.
IV. AWS D1.6 STRUCTURAL WELDING CODE-STAINLESS STEEL.
V. AWS D1.7 GUIDE FOR STRENGTHENING AND REPAIRING EXISTING STRUCTURES.
VI. AWS D1.8 STRUCTURAL WELDING CODE SEISMIC SUPPLEMENT.
B. WELDERS SHALL HOLD VALID CERTIFICATES ISSUED BY AN ACCEPTED TESTING AGENCY.
C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS. SPLICES OF STEEL MEMBERS NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE START OF WORK.
D. GRIND SMOOTH ALL EXPOSED WELDS AND CUT EDGES. FINAL APPROVAL IS BY THE ARCHITECT.
E. WELDING SHALL BE BY EITHER THE SHIELDED METAL ARC WELDING (SMAW) METHOD OR SHALL CONFORM TO AWS CODE FOR ARC AND GAS WELDING CONSTRUCTION.
I. MECHANICAL PROPERTIES FOR THE IN-PLACE WELD (FILLER MATERIAL) SHALL HAVE CHARPY V-NOTCH IMPACT TOUGHNESS OF AT LEAST 20 FOOT-POUNDS AT 0 DEGREES.
II. FIELD WELDS MAY NOT BE APPLIED OVER SHOP WELDS UNLESS A MANUFACTURER APPROVED COMPATIBLE ELECTRODE IS USED IN BOTH THE SHOP AND FIELD.
III. CONTRACTOR SHALL BE RESPONSIBLE FOR THE JOINT PREPARATION AND WELDING PROCEDURES, BUT NOT LIMITED TO: REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPEES, SURFACE ROUGHNESS VALUES, AND TAPERS AND TRANSITIONS OF UNEQUAL PARTS.
G. PROVIDE MINIMUM WELD SIZES PER AISC SPECIFICATIONS FOR GENERAL PROVISIONS FOR CONNECTIONS, JOINTS AND FASTENERS UNLESS SHOWN OTHERWISE ON DRAWINGS.

NONDESTRUCTIVE TESTING (NDT):

- A. VISUAL INSPECTION WILL BE PERFORMED ON ALL WELDING PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.
B. PERIODIC WELDING INSPECTIONS REQUIRE THAT THE MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK; PERIODIC INSPECTIONS ARE MADE DURING THE WORK; AND ALL WELDS RECEIVE A FINAL VISUAL INSPECTION.
C. MAGNETIC PARTICLE TESTING
I. TEST ENDS OF FULL PENETRATION WELDS AFTER REMOVING RUN-OFF TABS AND GRINDING SMOOTH, AND PRIOR TO ULTRASONIC TESTING.
II. TEST FILLET WELDS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
D. ULTRASONIC TESTING
I. TEST BASE METAL THICKER THAN 1.5 INCHES IN THICKNESS AND CORNER JOINTS FOR DISCONTINUITIES BEHIND AND ADJACENT TO WELDS AFTER JOINT COMPLETION.
II. TEST ENTIRE LENGTH OF FULL PENETRATION WELDS.
10. BOLTING:
A. MANUFACTURER CERTIFICATIONS OF BOLTING FOR FASTENER COMPONENTS USED IN THE FASTENER ASSEMBLIES SHALL BE MADE AVAILABLE TO THE ENGINEER OF RECORD AND INSPECTOR PRIOR TO ASSEMBLY OR ERECTION OF STRUCTURAL STEEL.
B. THE USE OF FULL TENSION TORQUE CONTROL BOLT ASSEMBLIES IN SNUG TIGHT BEARING CONNECTIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

HOLD HARMLESS / INDEMNIFICATION CLAUSES

- I. SUBJECT: EXCLUDING CONSTRUCTION REVIEW

IT IS AGREED THAT THE PROFESSIONAL SERVICES OF ACC & ENGINEERING DO NOT EXTEND TO OR INCLUDE THE REVIEW OR SITE OBSERVATION OF THE CONTRACTOR'S WORK OR PERFORMANCE. IT IS FURTHER AGREED THAT THE OWNER WILL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIM OR SUIT OR SUIT WHATSOEVER, INCLUDING BUT NOT LIMITED TO ALL PAYMENTS, EXPENSES OR COSTS INVOLVED, ARISING FROM OR ALLEGED TO HAVE ARISEN FROM THE CONTRACTOR'S PERFORMANCE OR FAILURE OF THE CONTRACTOR'S WORK TO CONFORM TO THE DESIGN INTENT AND THE CONTRACT DOCUMENTS. ACC & ENGINEERING AGREE TO BE RESPONSIBLE FOR HIS OWN OR HIS EMPLOYEE'S NEGLIGENCE ACTS, ERRORS OR OMISSIONS.

- II. SUBJECT: REMODELING AND REHABILITATION

IN AS MUCH AS THE REMODELING AND / OR REHABILITATION OF AN EXISTING BUILDING REQUIRES THAT CERTAIN ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS AND BECAUSE SOME OF THESE ASSUMPTIONS CANNOT BE VERIFIED WITHOUT EXPENDING GREAT SUMS OF ADDITIONAL MONEY, OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE BUILDING, THE OWNER AGREES THAT, EXCEPT FOR NEGLIGENCE ON THE PART OF THE ENGINEER, THE OWNER WILL HOLD HARMLESS AND INDEMNIFY THE ENGINEER FROM AND AGAINST ANY AND ALL CLAIMS DAMAGES, AWARDS, AND COSTS OF DEFENSE ARISING OUT OF THE PROFESSIONAL SERVICES PROVIDED UNDER THIS AGREEMENT.

- III. SUBJECT: OWNERSHIP OF DOCUMENTS

THE OWNER ACKNOWLEDGES THAT THE PLANS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICES. NEVERTHELESS, THE PLANS AND SPECIFICATIONS PREPARED UNDER THIS AGREEMENT SHALL BECOME THE PROPERTY OF THE OWNER.

THE OWNER AGREES TO HOLD HARMLESS AND INDEMNIFY THE ENGINEER AGAINST ALL DAMAGES, CLAIMS AND LOSSES ARISING OUT OF ANY REUSE OF THE PLANS AND AGAINST ALL DAMAGES, CLAIMS AND LOSSES ARISING OUT OF ANY REUSE OF THE PLANS AND SPECIFICATIONS WITHOUT THE AUTHORIZATION OF ACC & ENGINEERING.

Table with 2 columns: PROJECT ADDRESS, DESCRIPTION OF WORK, STRUCTURAL OBSERVATION PROGRAM AND DESIGNATION OF THE STRUCTURAL OBSERVER, PERMIT APPL. NO., STRUCTURAL OBSERVATION ONLY CHECKED ITEMS ARE REQUIRED.

ACC & ENGINEERING TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION BY DESIGNATION THE FOLLOWING EMPLOYEE AS THE OBSERVER FOR THIS PROJECT.
NAME: MOSTAFA BAYOUMI PHONE: 905-903-2284 CALIFORNIA REGISTRATION : C94270

Table with 4 columns: FOUNDATION, WALL, FRAME, DIAPHRAGM. Rows include FOOTING, STEM WALLS, PIERS; MAR FOUNDATION; CAISSON, PILES, GRADE BEAMS; STEPPED/RETAIN'G FOUNDATION, HILLSIDE SPECIAL ANCHORS.

DECLARATION BY OWNER
I, THE OWNER OF THE PROJECT, DECLARE THAT THE ABOVE LISTED FIRM HIRED BY ME TO BE THE STRUCTURAL OBSERVER

SIGNATURE DATE

DECLARATION BY THE DESIGNER/MAKER OF THIS PLANS (REQUIRED: THE STRUCTURAL OBSERVER BE DIFFERENT FROM THE ARCHITECT OR THE ENGINEER OF RECORD.)

I, BEN HAMED ON BEHALF OF ACC & ENGINEERING DECLARE THAT THE ABOVE LISTED EMPLOYEE (ARCHITECT, ENGINEER) IS DESIGNATED BY ME TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION

SIGNATURE DATE

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PROJECT NAME LOCATION OWNER

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CITY OF COMPTON COMMUNITY SERVICES

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SHEET NAME
STRUCTURAL NOTES

SHEET NUMBER

S-001

MASONRY CONSTRUCTION:

1.01 DESCRIPTION:

- A. This section includes the requirements for material proportioning, and requirements for installation of masonry construction.

1.02 SUBMITTALS:

- A. Masonry shop drawings shall include the following items:
 1. Complete layout of masonry walls including modular planning and special shapes. show details for each condition encountered. provide plans and elevations drawn at 1/4-inch scale and details drawn at 1 1/2 inch scale. show items required to be built into masonry.
 2. Masonry control joint locations and details:
 3. Location, extent and configuration of embedded and penetrating items to be built into the unit masonry.
 4. Drawings for fabrication, bending and placement of reinforcing bars. including bar schedules, bar diagrams, stirrup spacing, lateral ties and other items required for fabrication and placement of masonry reinforcing.

1.03 QUALITY ASSURANCE:

- A. Minimum 28-day compressive strength of each wythe of concrete masonry, f'm = 1500 psi.

2.01 MATERIALS:

- A. Load bearing hollow concrete masonry units: normal weight with compressive strength of 1900 psi on the net area. units shall conform to ASTM c-90.
- B. Grout: 2000 psi, minimum 28 day compressive strength. mechanically vibrate grout immediately after pouring and again after no later than 20 minutes for reconsolidation. grout shall conform to ASTM c 476 and aci-530 building code. mix grout for at least five minutes and until mix has been attained. grout shall have sufficient water added to produce a consistency for pouring without segregation (8" to 11" slump). use grout within 1 1/2 hours after adding water to the mix.
- C. Mortar shall be portland cement-lime type s conforming to ASTM c 270, with a minimum average 28 day compressive strength of 1800 psi and maximum air content of 12%. do not use masonry cement in mortar. the mixture of cementitious material, aggregate, and water shall conform to the following proportions by volume:
 1. 1 part portland cement or blended cement conforming to ASTM C 150 and ASTM C515 respectively.
 2. 1/4 to 1/2 parts hydrated lime or lime putty conforming to ASTM c 207.
 3. Volume of aggregate, measured in damp loose condition, equal to 2 1/4 to 3 times the sum of the volumes of the above cementitious materials.

2.02 MINIMUM WALL VERTICAL REINFORCEMENT:

- A. Provide continuous full height vertical reinforcing in center of grouted vertical cells as shown on plans. provide minimum vertical reinforcement of (1) #5 at 48" on center, unless noted otherwise on drawings.
- B. For openings 16" and greater, provide 1 #5 within 16" of each side of openings. extend reinf same length as adjacent wall reinforcement. openings smaller than 16" only need additional reinforcement if typical reinforcement is disrupted.
- C. Provide (3) #5 at corners, (4) #5 at intersections (1) #5 each side of movement joints, and (1) #5 at wall ends.

2.03 MINIMUM WALL HORIZONTAL REINFORCEMENT:

- A. Provide 8" deep continuous grouted bond beams with: provide (2) #5 at slab on grade (SOG), (2) #5 bars at wall midheight (8'-0" max above finished floor), roof diaphragm connection, and (2) #5 at top of parapets. extend reinforcing through expansion and control joints, wrapping bars with two-layers of 1/8" thick bond breaking tape 2'-0" both sides of joint. do not splice bond beam reinforcing within 6'-0" of an expansion or control joint. provide bond beam type block for all horizontal reinforcing.
- B. Joint Reinforcement: provide galvanized ladder type #9 joint reinforcing at 16" vertical spacing of cross wires at 16" spacing do not use truss type joint reinforcing. conform to ASTM A951
- C. At pitched roof lines, bond beam shall be stepped to match the wall/diaphragm junction.
- D. Provide (1) #5 bar above and below all openings with ends extending 24" past the opening, unless otherwise noted on drawing or by lintel details or lintel schedule.

2.04 SPLICES

- A. Rebar Lap Splices:

REBAR LAP SPLICES		REBAR LAP SPLICES	
REBAR SIZE	LAP LENGTH	REBAR SIZE	LAP LENGTH
#3	24"	#7	63"
#4	36"	#8	72"
#5	45"	#9	81"
#6	54"	#10	90"

3.03 GROUT PLACEMENT:

- A. Prior to grouting, clean out spaces to be filled with grout. remove mortar projections greater than 1/2 inch, mortar droppings and other foreign material. Spaces designated to be grouted shall be filled completely with grout and the grout shall be confined to those specific spaces. remove debris from bottom of masonry cells prior to grouting.
- B. Grout solid walls in contact with earth (retaining walls, stem walls, etc.) and as noted on drawings. Grouted masonry shall be constructed in such a manner that all elements of the masonry act together as a structural element.
- C. The grouting of any section of wall shall be completed in one day with no interruptions greater than one hour.
- D. Between grout pours, a horizontal construction joint shall be formed by stopping all wythes at the same elevation and with the grout stopping a minimum of 1 1/2" below a mortar joint, except at the top of the wall. Where bond beams occur, the grout pour shall be stopped a minimum of 1/2 inch below the top of the masonry.
- E. Cells and spaces containing reinforcement, anchor bolts, or headed anchor studs (has) shall be filled with grout. Embeds shall be tied or fixed in place prior to grouting.
- F. Grout shall be consolidated by mechanical vibration during placement before loss of plasticity in a manner to fill the grout space. Grout pours greater than 12 inches in height will be reconsolidated by mechanical vibration to minimize voids. grout pours 12 inches or less in height shall be mechanically vibrated or puddled and rodded with smooth bar with rounded end. vibrators shall be 120V, 60 Hertz, battery powered vibrator are prohibited.
- G. Provide continuous wire lath grout barriers at top and bottom of bond beams in partially grouted walls to prevent grout from flowing up and out of cells.
- H. Beam pockets shall be grouted full with non-shrink grout after all welds/connection have been structurally inspected.

3.04 EMBEDDED ITEMS:

- A. Where masonry encompasses steel beams provide dovetail anchors at 16 inches on center.
- B. Holes in masonry units shall be drilled. Holes made by chipping will not be accepted.
- C. Minimum embedment of bolts in masonry or grout perpendicular to the plane of the wall shall be 6" with a head at the embedded end or 5" with a 3" hook at the embedded end. Minimum embedment of bolts projecting vertical out of the top of masonry wall shall be 8" w/ a head bolt at the embedded end or 5" with a 3" hook at the embedded end.
- D. Provide dovetail anchors at 16 inches o.c. when new masonry walls abut with new concrete walls and columns
- E. Where drawing call for the use of split-face type block or fluted type block the contractor shall chip off and grind smooth split-face and chipped surface areas so that face mounted steel embed plates will be installed flush to block surface. Contractor may be required to supply additional steel spacer plates of different thickness to align embeds.

Concrete Masonry Units:

1. Hollow concrete block masonry units shall be medium weight Grade N, f'm=1500 psi. conforming to ASTM C90.
2. Cement shall conform to ASTM C150.
3. Reinforcing steel shall be deformed bars conforming to ASTM A615 Grade 60, U.N.O.
4. All welded reinforcement shall comply with ASTM A706, U.N.O.
5. Aggregate for masonry grout shall conform to ASTM C404 and shall be 2500 psi at 28 days.
6. All cells shall be filled solidly with grout.
7. CMU walls shall be reinforced w/ #6 rebar @ 16" O.C. hor.&ver., U.N.O. on plan.
8. Provide cleanout openings at the bottom of all vertically grouted cells if grout lift exceeds 4'-0".
9. No pipes or ducts shall be placed in masonry walls unless specifically noted or detailed.
10. Dowels in masonry walls shall be the same size and spacing as vertical wall reinforcing U.N.O..
11. All vertical reinforcing in masonry walls not retaining earth shall be located in center of the walls U.N.O.
12. Min. edge distance of embedded anchor bolt shall be 2" U.N.O.
13. Min. embedment length of anchor bolt shall be 4 times bolt dia. U.N.O.

ADDITIONAL NOTES:

1. Nuts of the primary and secondary anchors fasteners shall be finger tight with 2 wrench turn prior to inspection and covering.
2. Power driven fasteners shall not be used to anchor sill plates except at interior non bearing walls not designed as shear walls.
3. Exterior anchor bolts and post bases shall be galvanized and each anchor bolts shall have at least two galvanized nuts above the base plate.
4. The top of exterior pedestals must be sloped for positive drainage.
5. All main footing and grade beam reinforcement steel shall be bent into the intersecting footing and fully developed around each corner and intersection.
6. Continuous inspection by a licensed Deputy Inspector is required for all structural connections, footings, grade beams and retaining walls during installation.
7. Fasteners in preservative treated wood or fire retardant treated wood shall be of hot dipped zinc coated galvanized steel or stainless steel. (ASTM A153)
8. All hardware shall be installed per manufacturer specifications and recommendations.

- B. Lap joint reinforcing 12" minimum at splices. splices shall contain at least one cross wire of each piece of reinforcement in the lapped distance.

2.05 JOINTS:

- A. See plans for masonry control joints (mcj) locations. space masonry control joints 24'-0" on center unless shown otherwise. locate control joints no more than 12'-0" from wall corners. locate control joints at vertical interfaces of changes in wall height or wall thickness unless shown different on drawings.
- B. Expansion joints, control joints, and continuous vertical mortar joints, shall be at least 16" away from bearing plates and openings of jambs.

3.01 MASONRY UNIT PLACEMENT:

- A. Lay units in running bond. corners shall be standard bond with overlapping units.
- B. Maximum grout lift without clean-outs and inspection of cleanouts shall be 5'-4".
- C. Provide lintel type blocks at the bottom of lintels. provide double open end half web height block for remainder of lintel depth. place all blocks of lintel in running bond throughout span and at jambs.
- D. Concrete masonry units shall not be wetted.

- A. Tie vertical reinforcing at each end of bar and at 4'-0" maximum vertical spacing using single wire loop type ties as manufactured by a.a. wire products company or approved alternate.
- B. Reinforcing shall be clear of masonry face shells and other reinforcing not spliced: 1/4" for fine grout and 1/2" for course grout.

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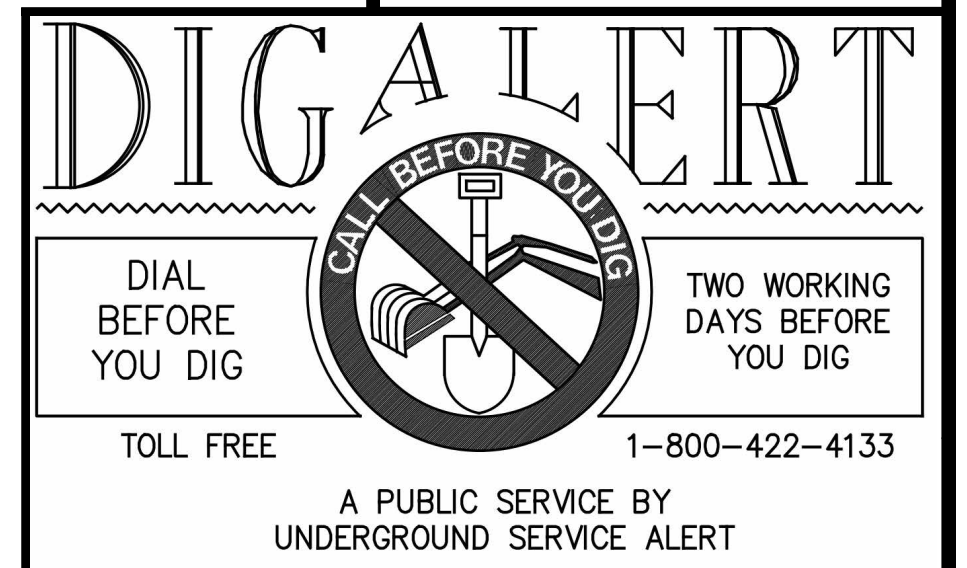


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107 PLAN SUBMITTAL 01-0900002

REVISION SCHEDULE	
REVISION NUMBER	DATE

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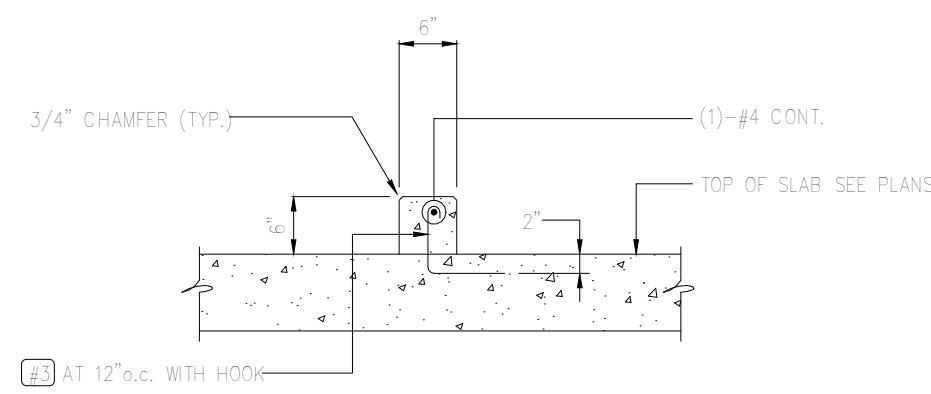


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STRUCTURAL NOTES

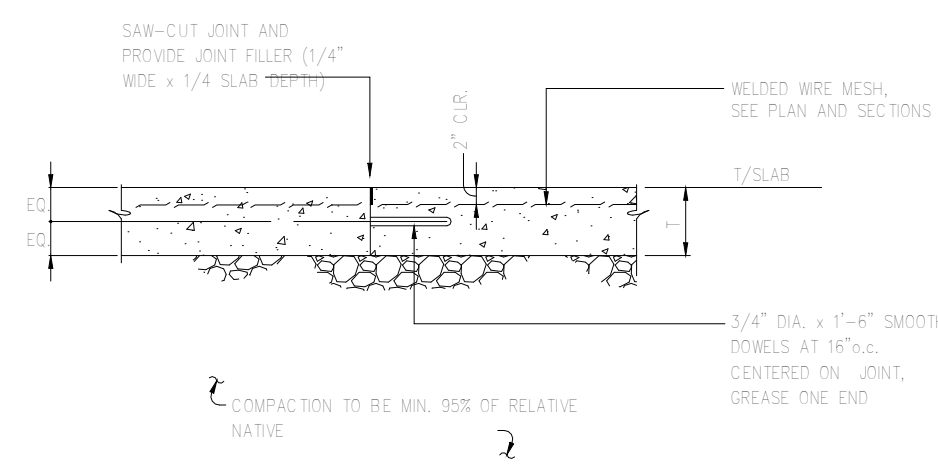
SHEET NUMBER
S-002

ATTENTION OWNERS / CONTRACTORS

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE ALL PLANS AND SPECIFICATIONS PRIOR TO STARTING THE CONSTRUCTION WORK. CONTRACTOR SHALL VERIFY ALL DISCREPANCIES AND OMISSIONS. CONTRACTOR MAY CONTACT ARCHITECT/ENGINEER FOR ANY QUESTIONS DETAILS, SPECIFICATIONS AND CLARIFICATIONS. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY SHORTCOMING ON THE PART OF THE CONTRACTOR OR ANY ERROR CAUSED BY THE CONTRACTOR AS A RESULT OF LACK OF PLANNING AND/OR FORESIGHT. EACH CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS, GRADES AND CONDITIONS AT THE SITE BEFORE COMMENCING WORK AND REPORT ALL DISCREPANCIES AND MODIFIED FIELD CONDITIONS TO THE ARCHITECT/ENGINEER IN WRITING. CONTRACTOR MAY PROVIDE ONLY PRELIMINARY BIDS BASED ON THIS PLAN, IF THIS IS NOT APPROVED AND STAMPED BY THE CITY. FINAL BIDS SHALL BE BASED ON APPROVED PLANS ONLY. IF NO GENERAL CONTRACTOR IS RETAINED FOR THE JOB, KNOWLEDGEABLE PROJECT MANAGER, JOB SUPERVISOR TO ACT AS HIS AGENT AND ASSUME ALL RESPONSIBILITIES.

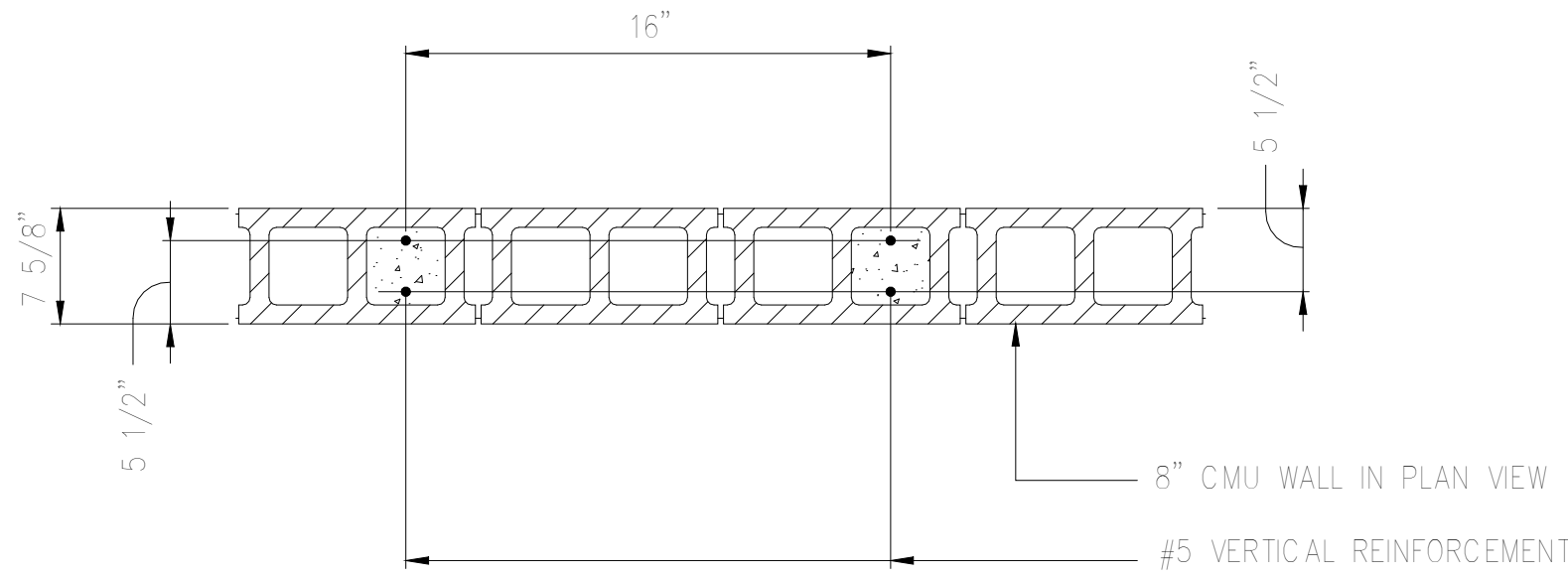


SECTION AT CURB

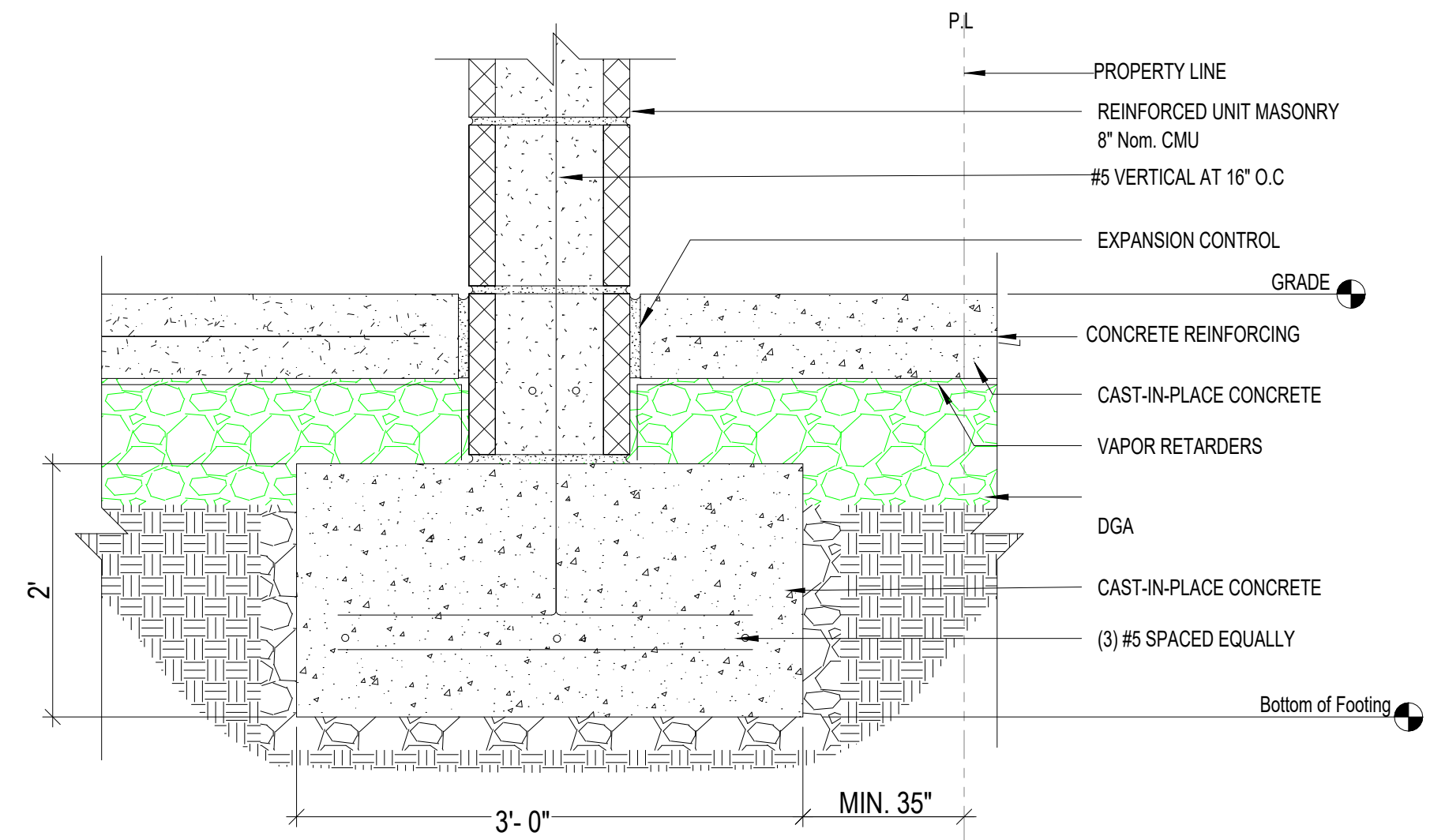


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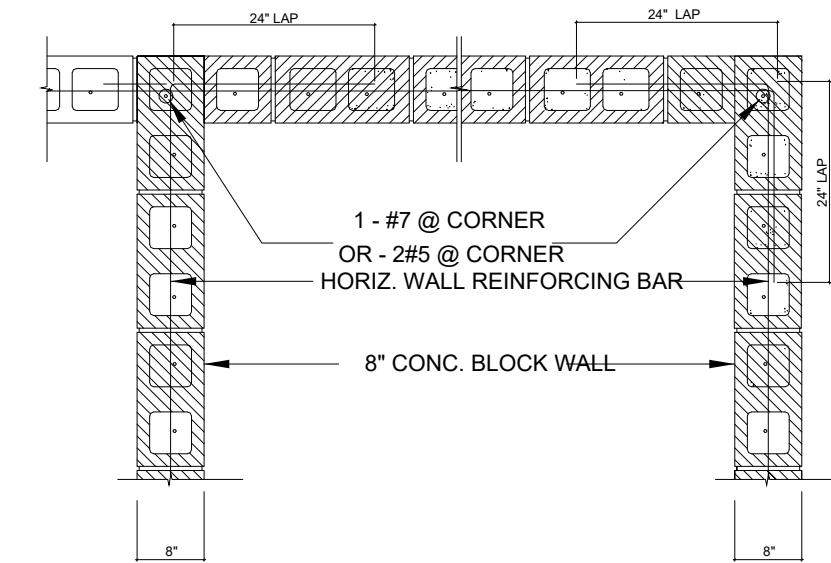
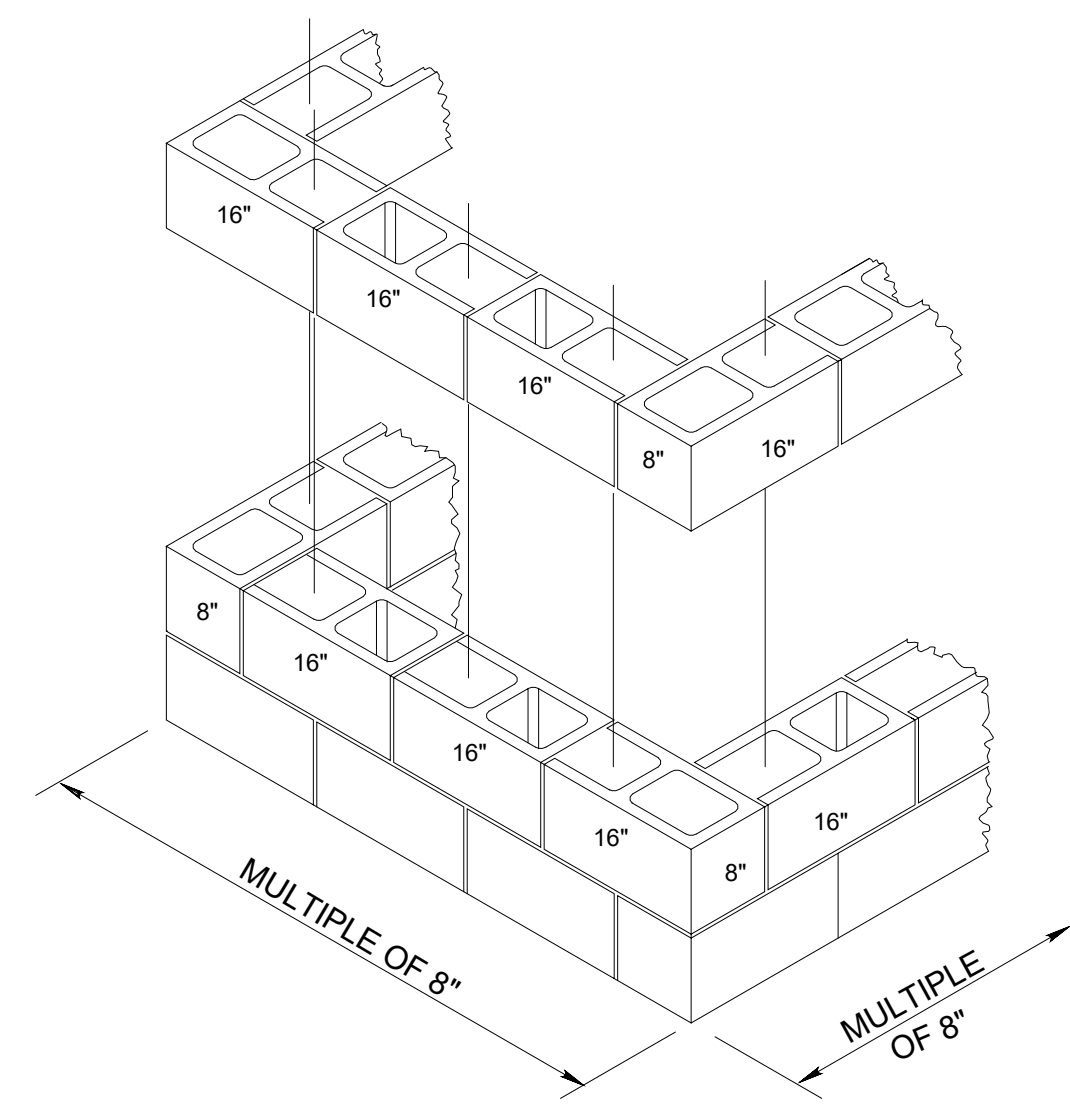
1. PROVIDE DOWELS WITH HOOKS INTO FOUNDATION AT ALL VERTICAL REINFORCEMENT. DOWELS TO MATCH VERTICALS IN SIZE AND SPACING.
2. ALL CELLS CONTAINING VERTICAL REINFORCEMENT SHALL BE SOLID GROUTED FULL HEIGHT.



8" MASONRY WALL REINFORCING

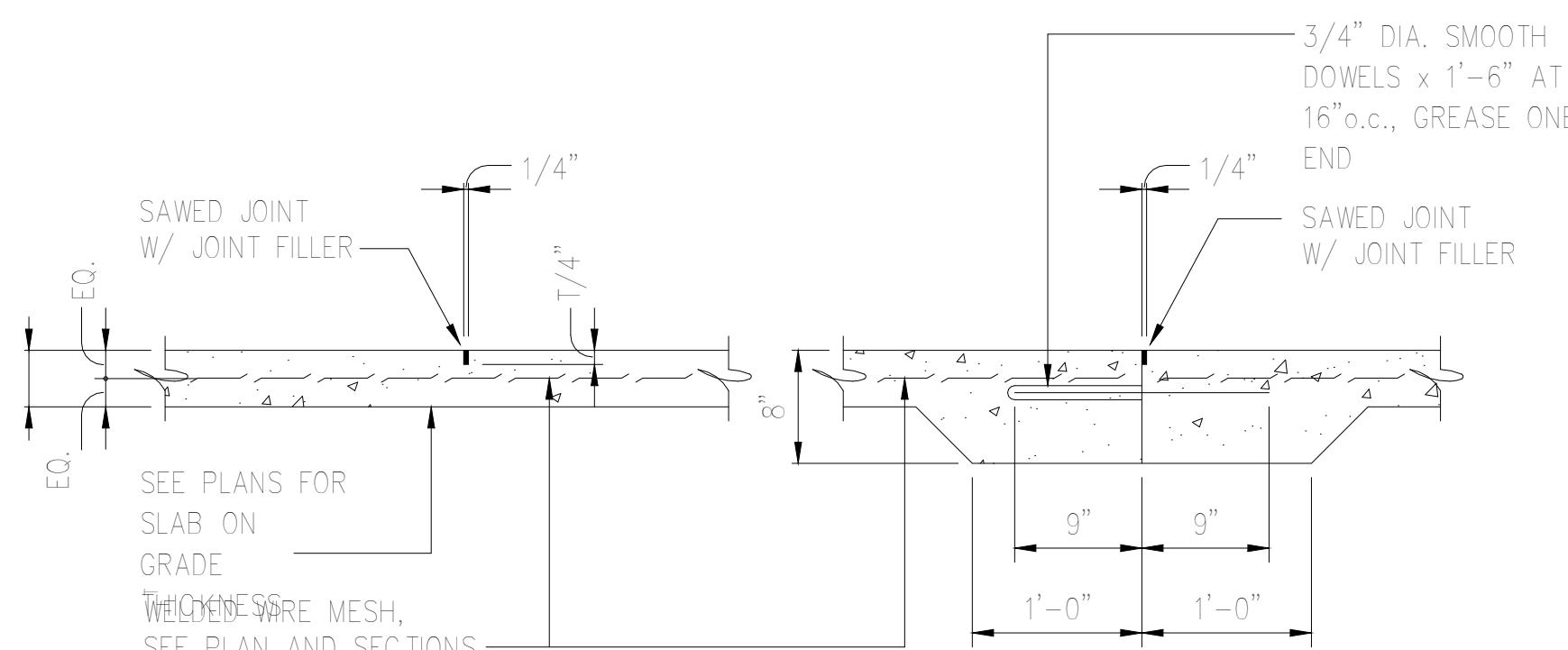


8" CMU EXTERIOR WALL FOUNDATION DETAIL



NOTE
USE #5 DOWELS TO MATCH HORIZONTAL WALL REINF. IF EXTENSION OF WALL REINF. IS IMPOSSIBLE, DOWELS TO BE

CORNER DETAIL, 8-INCH CMU WALL



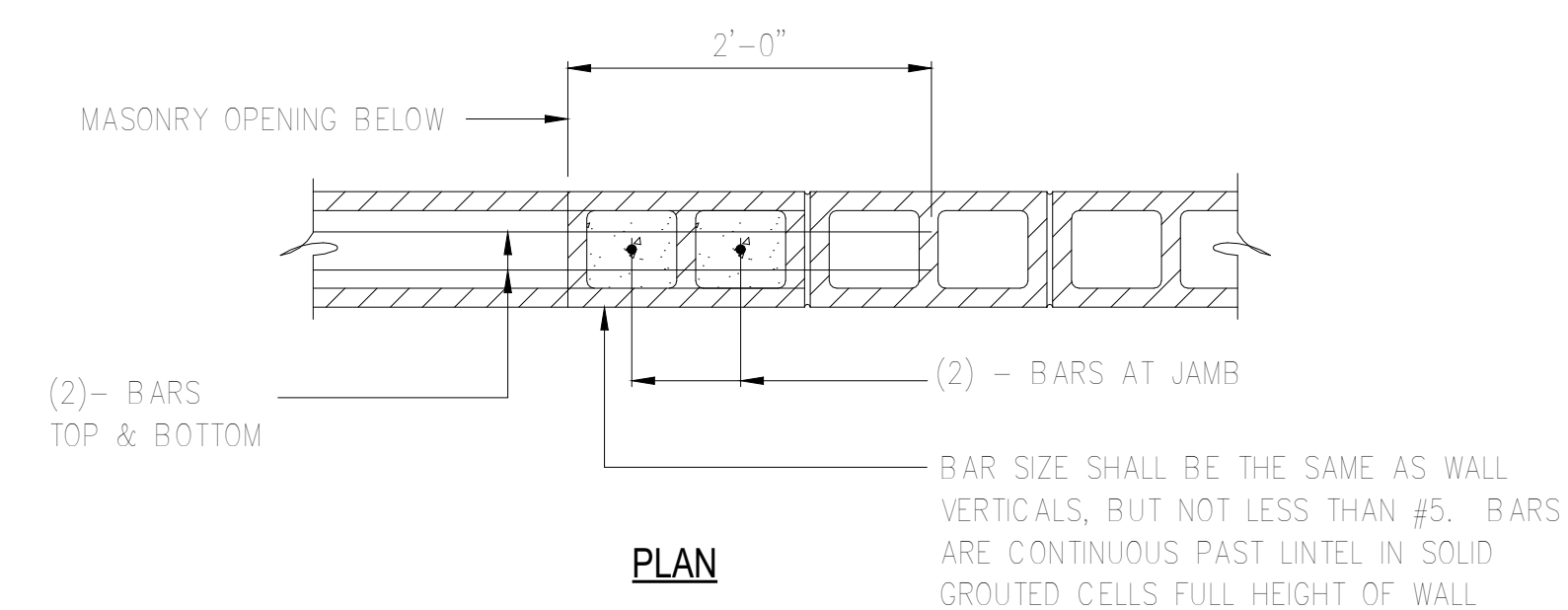
CONTROL JOINT

CONSTRUCTION JOINT

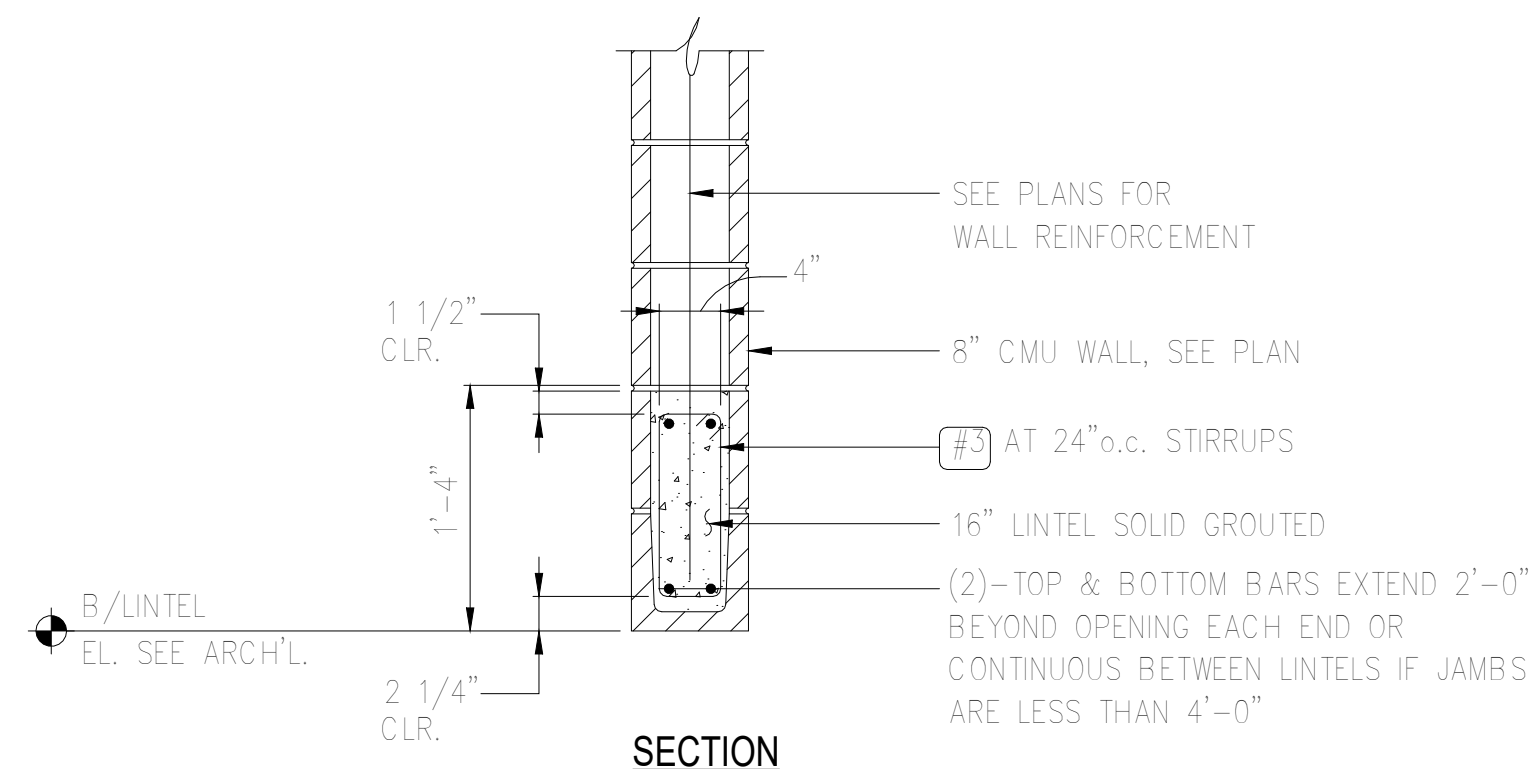
NOTES:

1. JOINTS TO BE PLACED TO FORM APPROXIMATE SQUARE PANELS.
2. JOINTS FOR INTERIOR SLABS ON GRADE WITH WIRE MESH.

TYPICAL SLAB CONSTRUCTION JOINT

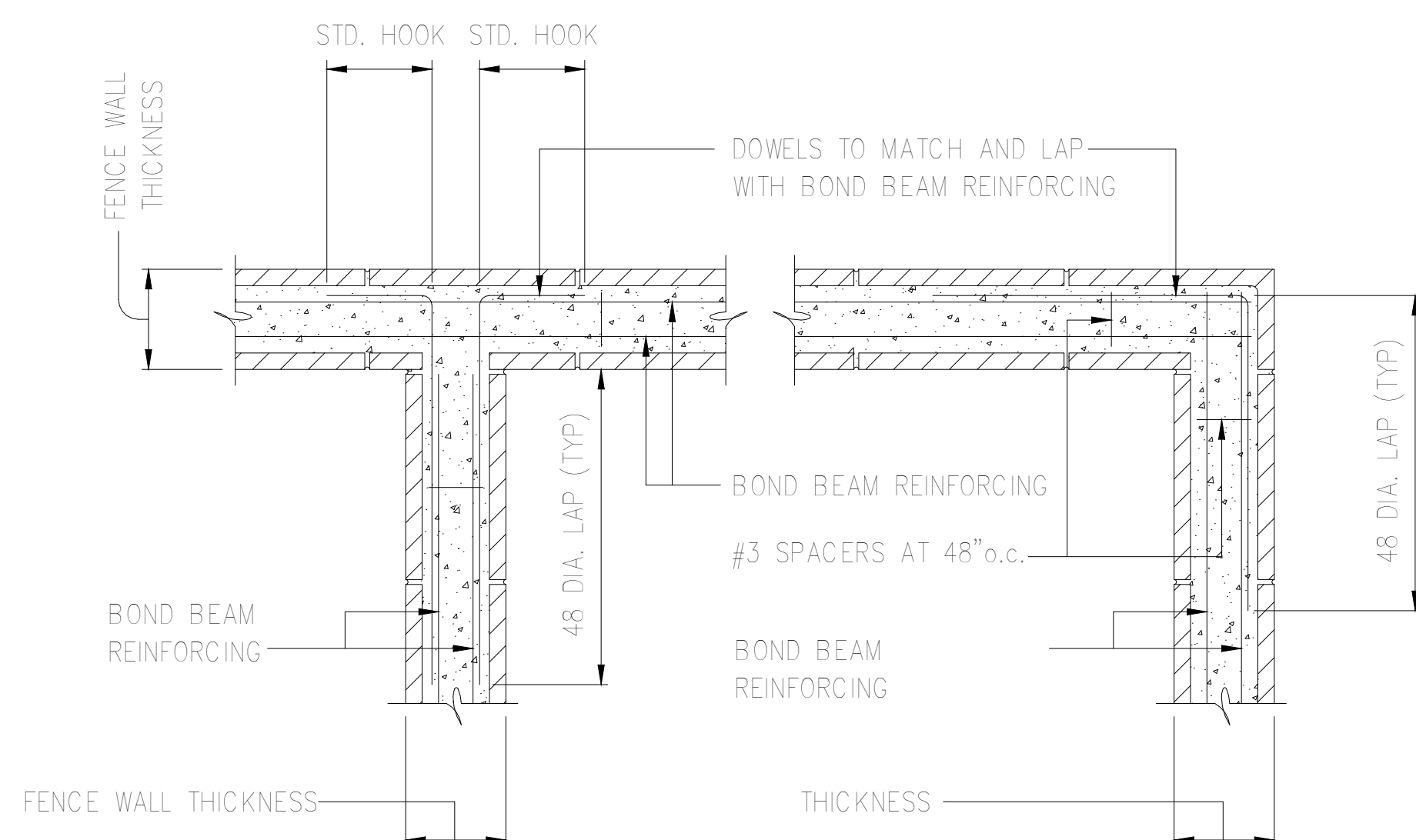


PLAN

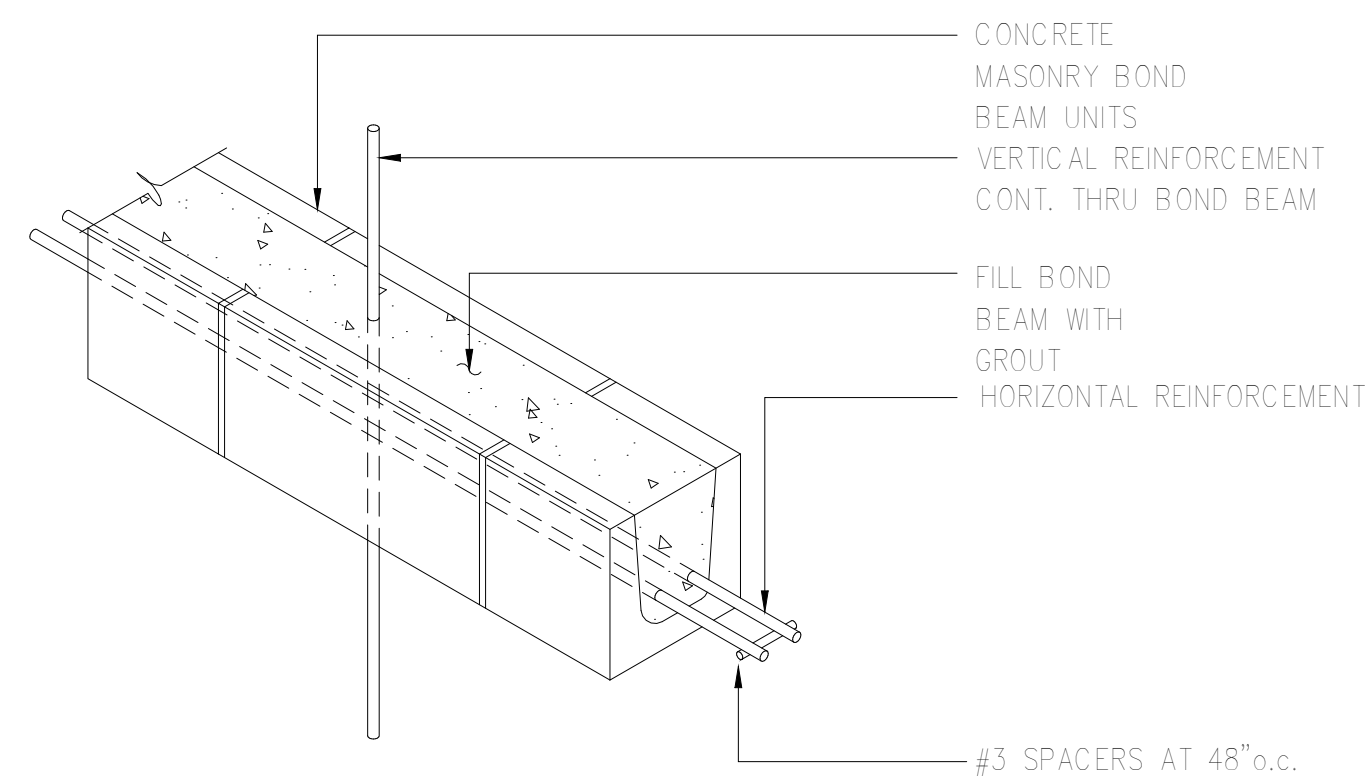


SECTION

16" DEEP MASONRY LINTEL DETAIL



TYPICAL BOND BEAM REINFORCEMENT



TYPICAL MASONRY BOND BEAM

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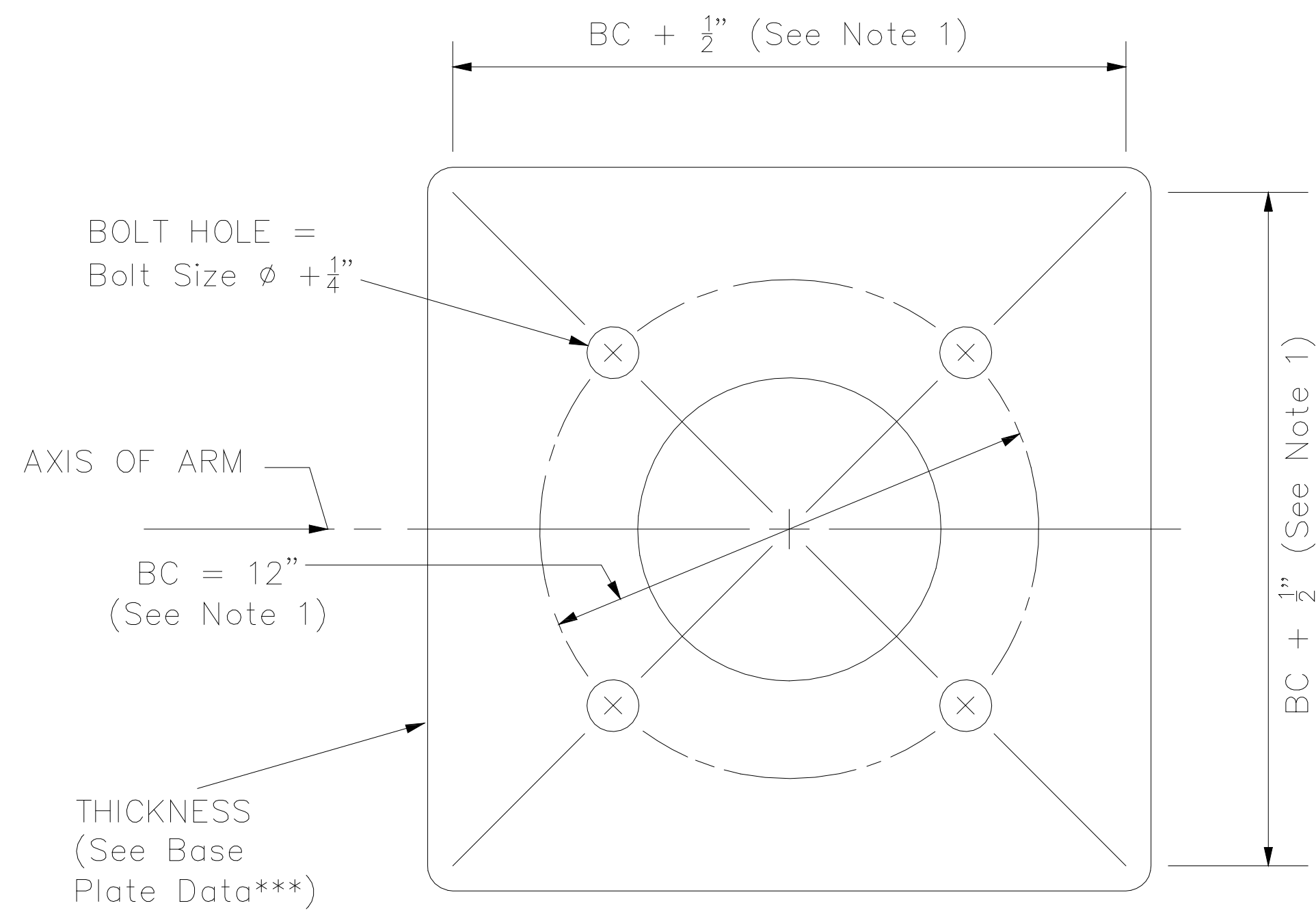
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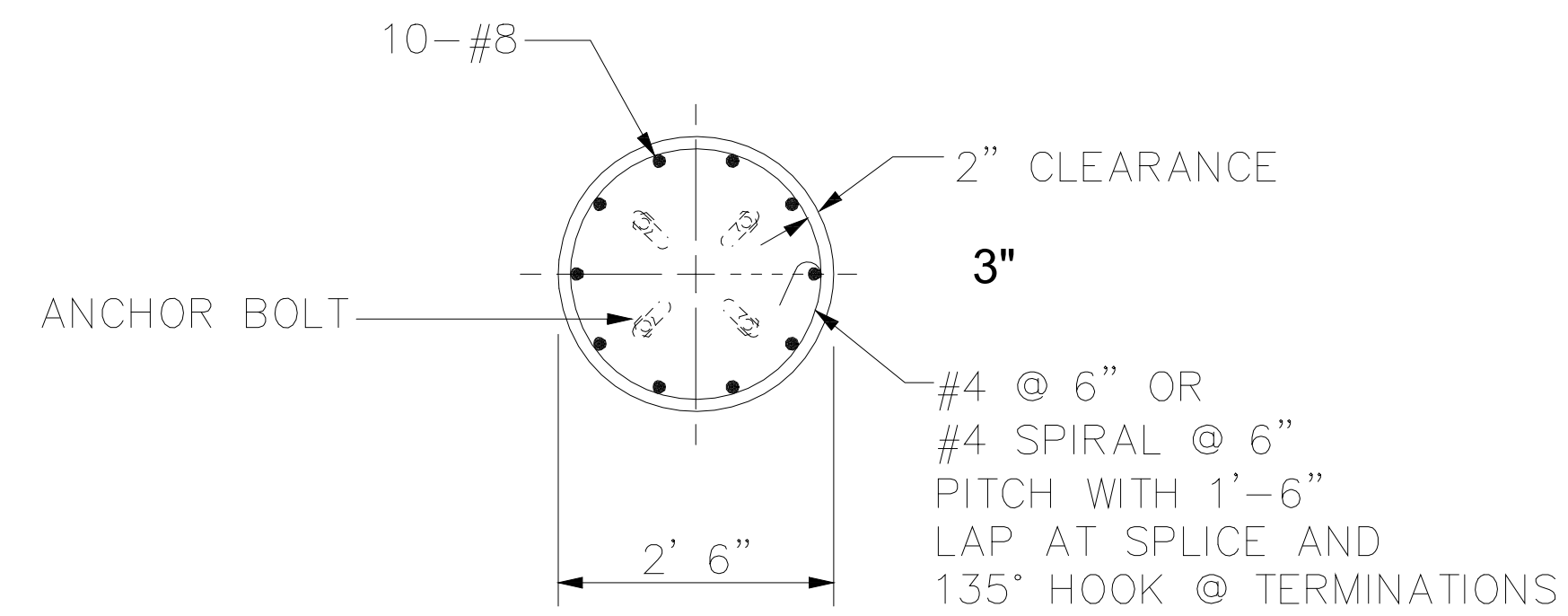
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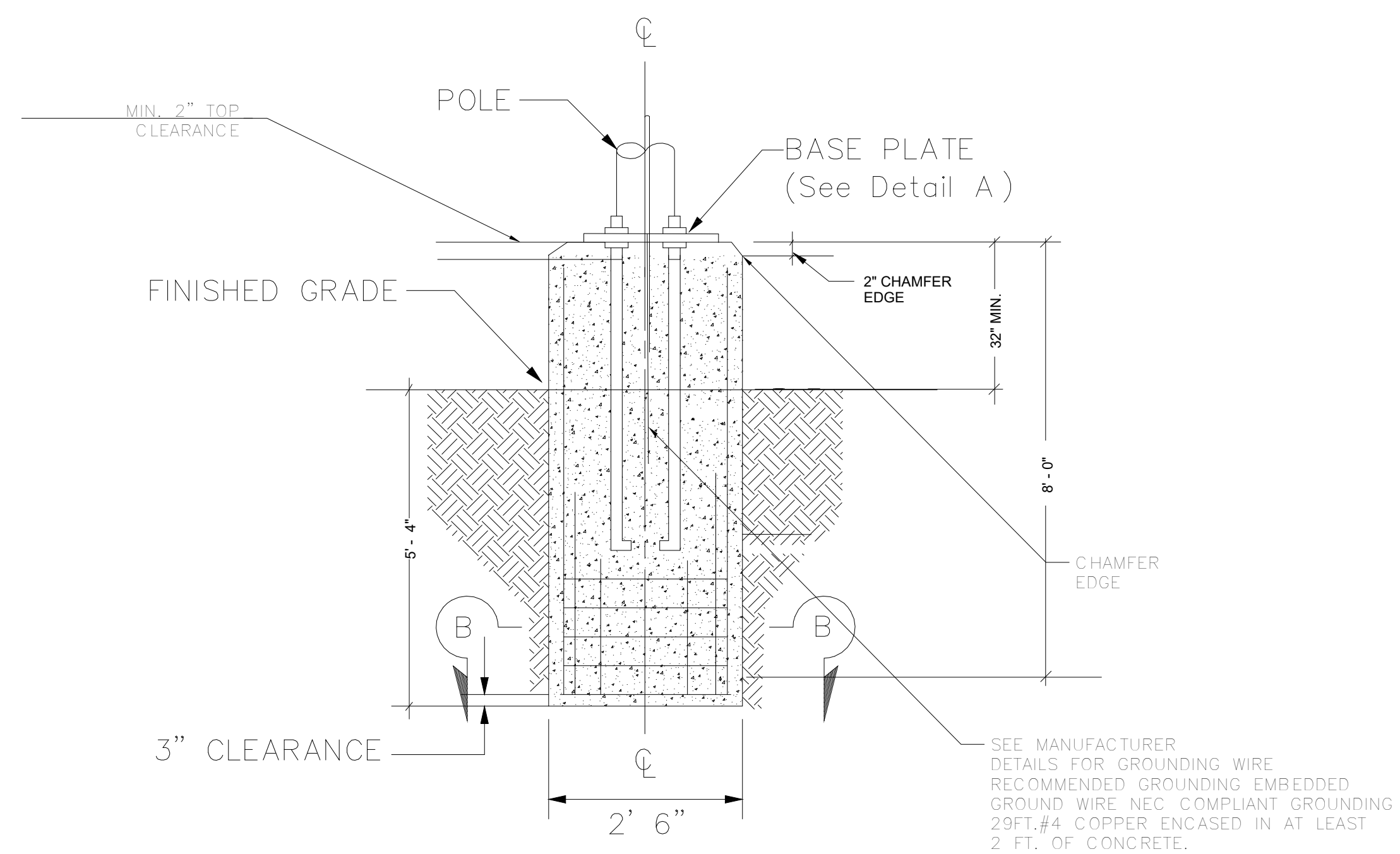
S-003



DETAIL A



SECTION B-B



POLE FOUNDATION DETAIL

N.T.S

NOTES:

- BC = Bolt Circle to suit (match intended pole).
- Materials (Reinforced concrete):
f'c = 4,000 psi (6 sack concrete), fy = 60,000 psi
- Anchor bolts to be used on base plate should be 90° F1554 Grade 36 Anchor bolts* set at 3" above grade for leveling the pole. Refer to Base Plate Data***.

BASE PLATE DATA***

Thickness	Bolt Size
1 1/2"	1" ϕ x 36" *

* Or Approved Equal or Approved Substitute

ADDITIONAL NOTES:

- ALL POLE BASES IN THE PARKING-LOT TO BE MIN. 32"- 34" ABOVE FINISH SURFACE & TO BE PAINTED WITH SAFETY CONTRAST YELLOW COLOR.
- ALL EXPOSE MATERIAL SHALL BE GALVANIZED.

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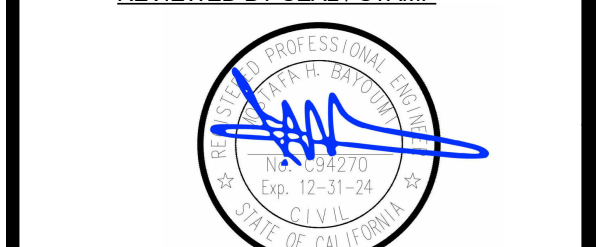
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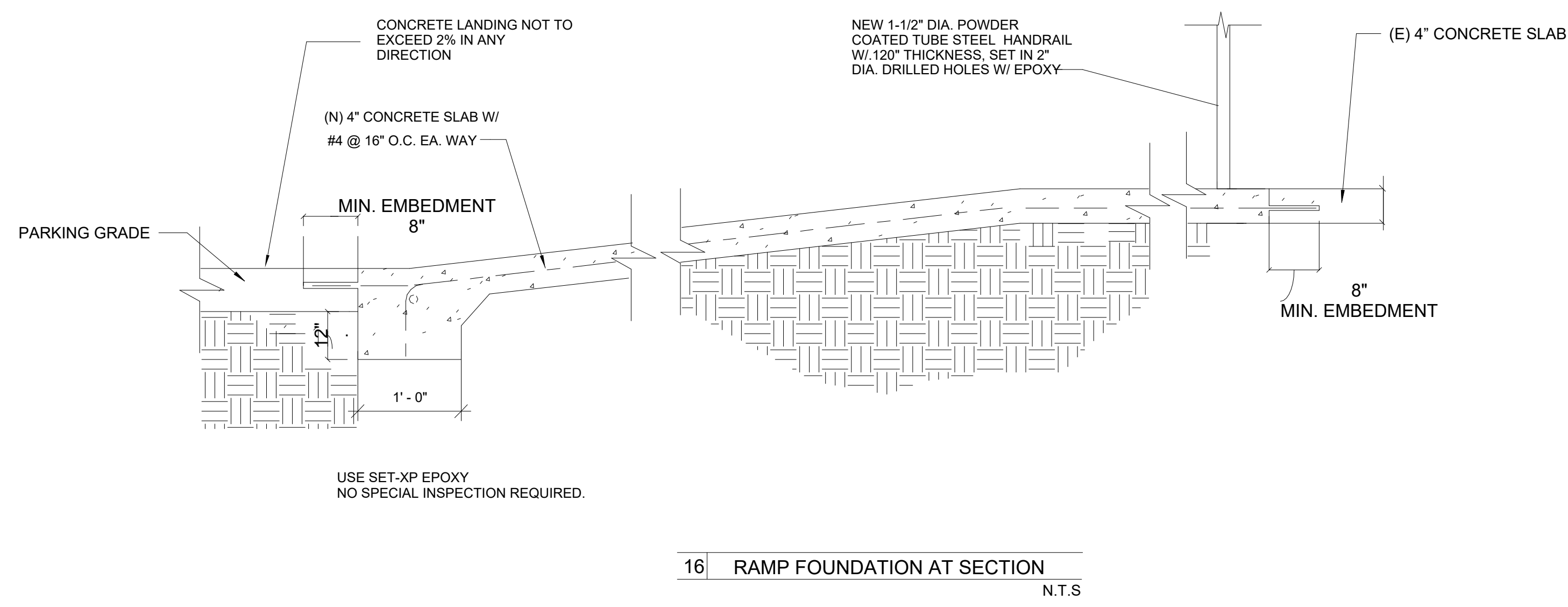
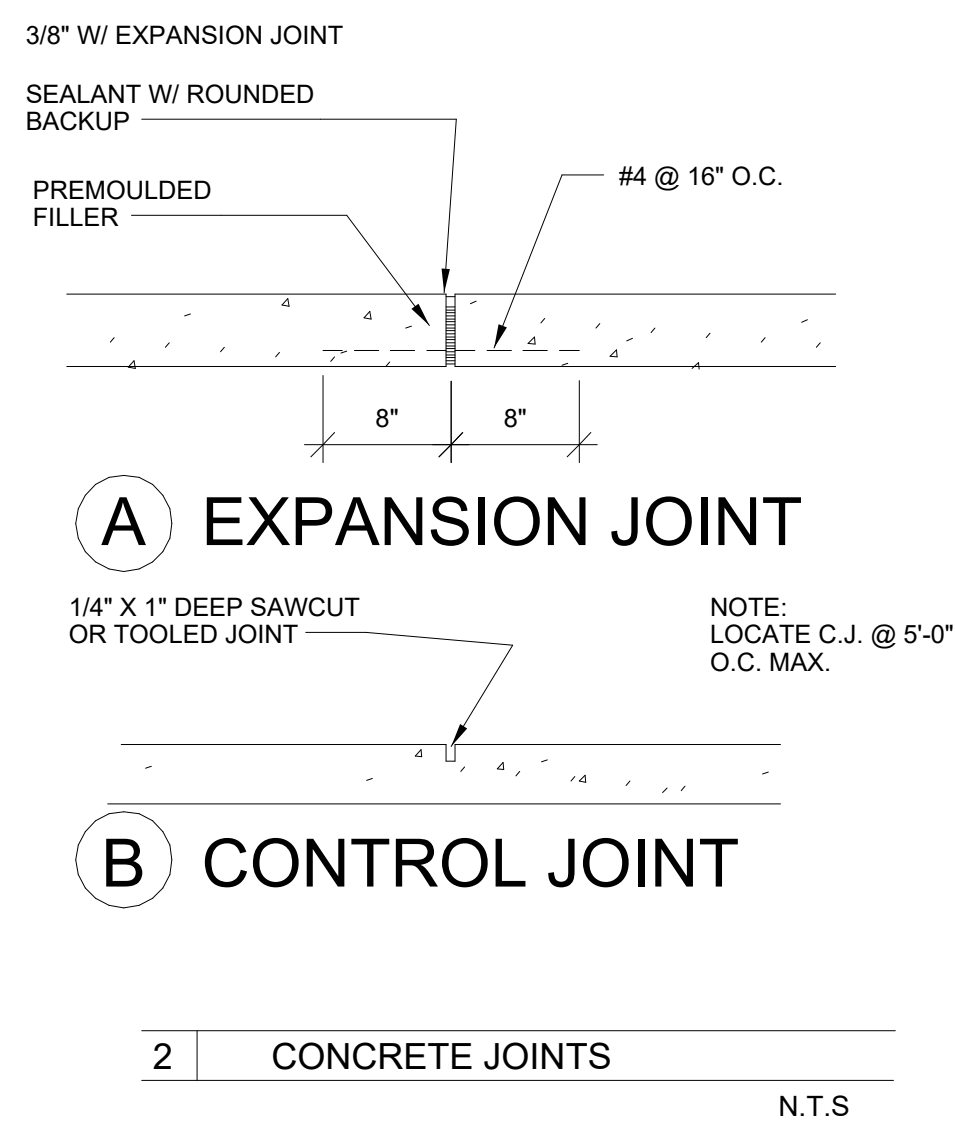
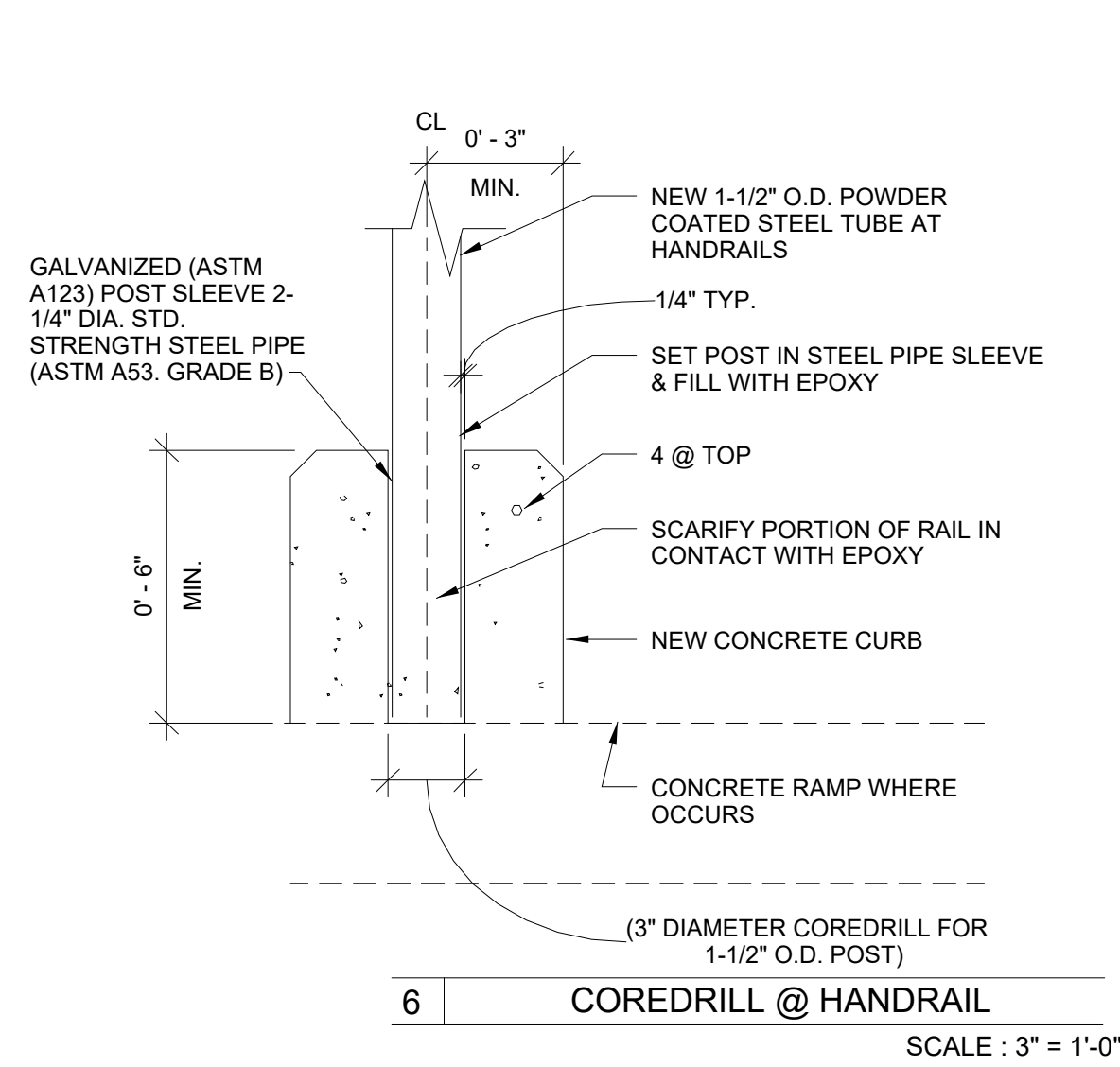
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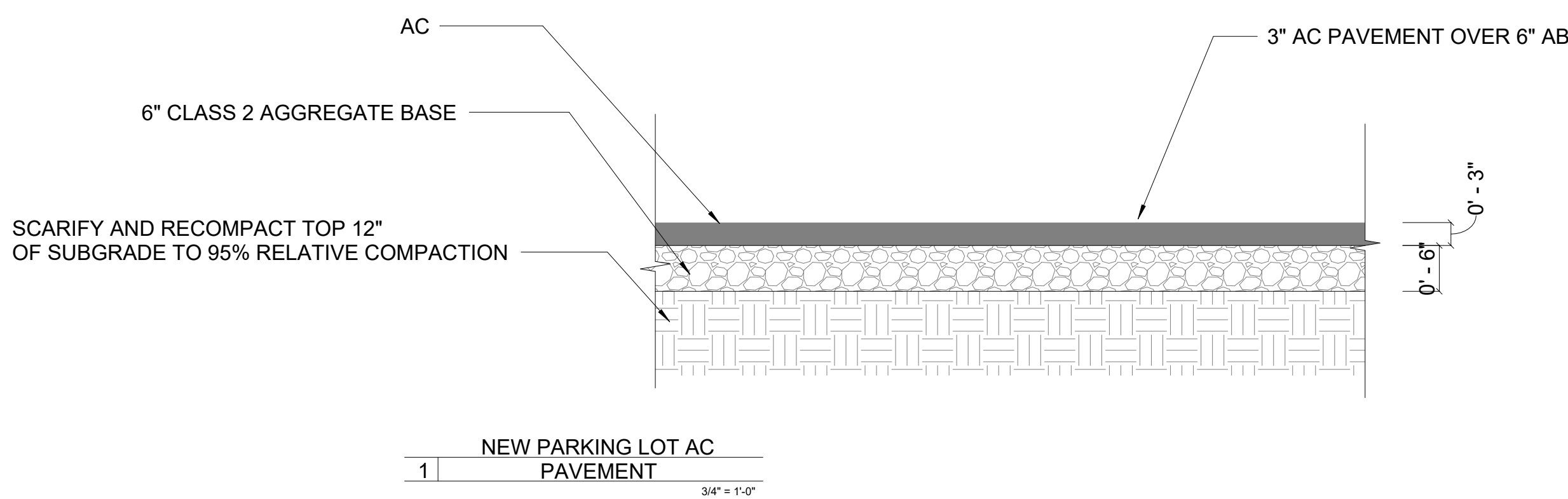
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STRUCTURAL DETAILS

SHEET NUMBER
S-004



RAMP NOTES

- 1- RAMP FLOOR AND GROUND SURFACE SHALL PROVIDE STABLE, FIRM, AND SLIP RESISTANT. A STATIC COEFFICIENT OF FRICTION OF 0.6 IS RECOMMENDED FOR ACCESSIBLE ROUTES AND 0.8 FOR RAMPS.
 - 2-RISE OF RAMP RUN SHALL NOT EXCEED 30 INCHES MAXIMUM. SEE ASSUMED ELEVATIONS. CONTRACTOR TO FIELD VERIFY.
 - 3-HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1½ INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.
 - 4-ABRUPT CHANGES IN LEVEL EXCEEDING 4\"/>
- WALKING SURFACES:**
- 1- CHANGES IN LEVEL BETWEEN NEW AND EXISTING WALK/RAMPS SHALL NOT EXCEED 1/4\"/>



SECTION 32 12 16 – ASPHALT CONCRETE PAVING

THE PROVISIONS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND THE "CITY OF COMPTON " SHALL APPLY

ADJUSTMENT OF MANHOLES, COVERS AND CLEANOUTS:

ALL MANHOLES, COVERS AND CLEANOUTS SHALL BE ADJUSTED TO FINISH GRADE BY THE CONTRACTOR.

AGGREGATE BASE:

INSTALL CRUSHED AGGREGATE BASE IN ACCORDANCE WITH SECTION 301-2 OF THE GREENBOOK STD. SPECS.

CRUSHED AGGREGATE BASE MATERIAL CONFORMING TO SECTION 200-2.1 OF THE STD. SPECS. IN LIEU OF CRUSHED AGGREGATE BASE, THE CONTRACTOR MAY USE, AT HIS OPTION, CRUSHED SLAG BASE AS PER SECTION 200-2.3, PROCESSED MISC. BASE AS PER SECTION 200-2.5 OF THE GREENBOOK STANDARD SPECIFICATIONS OR CLASS 2 AGGREGATE BASE AS PER SECTION 200-1.1.2 OF THE GREENBOOK STANDARD SPECIFICATIONS.

ASPHALT CONCRETE PAVEMENT:

THE A.C. PAVEMENT SHALL BE PG-64-10.

THICKNESS OF AGGREGATE BASE COURSE AND FOR ASPHALTIC CONCRETE SURFACING AFTER COMPACTION SHALL BE AS NOTED ON THE DRAWINGS. DEPTH OF BASE SHALL BE PER THE FOUNDATION INVESTIGATION.

AGGREGATE BASE SHALL BE INSTALLED PER SECTION 301-2 OF THE GREENBOOK STANDARD SPECS.

A. C. PAVEMENT SHALL BE CONSTRUCTED PER SECTION 302-5 OF THE GREENBOOK STANDARD SPECS.

A. C. FINISH COURSE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 40 F. HEADERS ARE NOT REQUIRED.

AT JOIN LINES ALONG NEW CONCRETE GUTTERS, THE FINISHED SURFACE SHALL NOT VARY MORE THAN 0.00' TO 0.05' HIGHER THAN THE CONCRETE SURFACE THAT IS BEING JOINED.

STRIPING

INSTALL STRIPING FOR PARKING STALLS AND OTHER MARKINGS AS SHOWN ON THE PLANS IN ACCORDANCE WITH SECTION 214-4 OF THE GREENBOOK STANDARD SPECS.

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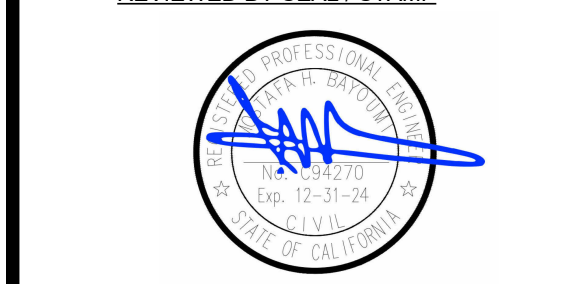
COMPTON

REVISION NUMBER	DATE

ENGINEER OF RECORD

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED UNDER THE RESPONSIBLE CHARGE (THE DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER AND CERTIFIES THAT THE WORK WAS PERFORMED COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND ACCEPTABLE STANDARDS OF PRACTICE.

REVIEWED BY SEAL / STAMP



SHEET NAME
STRUCTURAL DETAILS

SHEET NUMBER
S-005

ELECTRICAL SPECIFICATIONS (AS APPLICABLE)

DIVISION 16 - ELECTRICAL
SECTION 16000

BASIC ELECTRICAL REQUIREMENTS

A. NOTE

- 1. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 16.
2. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTORS RESPONSIBILITY TO PROVIDE HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
3. THIS ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH TENANT/ARCHITECT'S SCHEDULE AND THE PROJECT COMPLETION DATE.
4. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS WORK.
5. REFER TO RESPONSIBILITY SCHEDULE FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT THE BID.

B. GENERAL REQUIREMENTS

- 1. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR ARCHITECTS SHALL BE PROVIDED BY THIS CONTRACTOR. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE LANDLORD AND ARCHITECTS, AS REQUIRED.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF THE CONTRACT.
3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
4. ALL WORK IN THIS SECTION SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.
5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY THE ARCHITECTS AND THE LANDLORD. ALL PATCHING SHALL BE BY G.C. AND SHALL MATCH THE SURROUNDING SURFACES.
8. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

C. TEMPORARY LIGHT AND POWER

- 1. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY WIRING AND RELATED GROUND FAULT INTERRUPTION PROTECTION FOR LIGHT AND POWER FOR ALL CONTRACTORS AND SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY WIRING.
2. THE GENERAL CONTRACTOR SETS UP ALL ELECTRICAL UTILITIES IN THE NAME OF THE TENANT. TENANT PAYS FOR ALL UTILITIES THROUGHOUT CONSTRUCTION.

D. CODES

- 1. ALL WORK SHALL CONFORM TO THE LANDLORD'S CRITERIA, THE STATE'S, COUNTY'S, CITY'S AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGE ORDERS FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED BY OWNER, UNLESS ALLOWANCES HAVE PREVIOUSLY BEEN AGREED UPON.

E. LICENSES, PERMITS, INSPECTIONS & FEES

- 1. THIS OWNER SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS WORK.
2. FURNISH TO ARCHITECTS ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

F. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

- 1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY ARCHITECTS/ENGINEERS THROUGH SHOP DRAWING SUBMITTAL PROCESS FOR ACCEPTANCE PRIOR TO INSTALLATION. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. GENERAL CONTRACTOR SHALL SUBMIT ONLY SUBSTITUTION REQUESTS TO ARCHITECTS/ENGINEERS FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW FOUR (4) WORKING DAYS FOR ARCHITECTS/ENGINEERS REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOBS PROGRESS. SUBMITTALS SHALL BEAR THE STAMP AND/OR THE SIGNATURE OF THE GENERAL CONTRACTOR AND THE SUB-CONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.

G. GUARANTEE

- 1. THE EQUIPMENT MANUFACTURER SHALL PROVIDE A 12 MONTH GUARANTEE TO TENANT FROM THE DATE OF ACCEPTANCE. THIS CONTRACTOR SHALL WARRANT THE INSTALLATION OF THIS EQUIPMENT AND WILL BE RESPONSIBLE FOR ANY DAMAGE AND/OR MALFUNCTION CAUSED BY THE INSTALLATION. THIS CONTRACTOR SHALL NOT BEAR ADDITIONAL WARRANTIES BEYOND A COMPLETE WORKING SYSTEM.

H. RECORD DRAWINGS

- 1. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
a. LOCATION OF CONCEALED CONDUIT AND EQUIPMENT.
b. REVISIONS, ADDENDUMS, AND CHANGE ORDERS.
c. SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THIS CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. FAILURE TO KEEP THESE RECORDS WILL ALLOW TENANT/ARCHITECTS TO DIRECT THE GENERAL CONTRACTOR TO PROVIDE THESE RECORDS AT HIS EXPENSE PRIOR TO FINAL PAYMENT.

I. DISCREPANCIES IN DOCUMENTS

- 1. DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE ELECTRICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTAL OF BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE PROJECT MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, TENANT/ARCHITECTS INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

J. PHASING REQUIREMENTS

- 1. THIS CONTRACTOR IS TO INCLUDE IN HIS BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE STORE'S ELECTRICAL SERVICE IN OPERATION. CONTRACTOR MUST SCHEDULE IN WRITING WITH TENANT/ARCHITECTS AND THE LANDLORD ONE WEEK PRIOR TO ANY SHUT DOWN OF THE ELECTRICAL SYSTEM.

K. DEMOLITION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
2. THE CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING ELECTRICAL EQUIPMENT, CONDUITS, ETC. NOT TO BE REUSED ON THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR MUST VERIFY WITH THE LANDLORD ALL PRESUMED ABANDONED EQUIPMENT PRIOR TO REMOVAL. ALL EXTRANEIOUS ITEMS IN THE SPACE OR ON THE ROOF NOT APPLICABLE TO THE NEW WORK MUST BE REMOVED AND ROOF/FLOOR PATCHED/REPAIRED TO MATCH EXISTING STRUCTURE. EXISTING ABANDONED CONDUIT OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE, OR OTHERWISE INACCESSIBLE ARE TO BE CUT OFF AND SEALED BELOW OR WITHIN FLOOR OR WALL LEVEL WHEN THEY ARE NOT TO BE REUSED IN THIS PROJECT. IF REQUIRED BY LANDLORD OR CODES, ABANDONED CONDUIT MUST BE REMOVED TO POINT OF ORIGIN. CONFIRM THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.

L. SLEEVES

- 1. THE CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR MUST COORDINATE THROUGH THE LANDLORD ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.
2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "3M" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.
3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.

M. HANGERS

- 1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
2. HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO UPPER CHORD OF BAR JOIST, WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT. HANGER TYPES AND INSTALLATION METHODS ARE ALSO SUBJECT TO LANDLORD CRITERIA.
3. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DIELECTRICALLY SEPARATED.

N. FINAL ELECTRICAL INSPECTIONS

- 1. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, TENANT/ARCHITECTS MAY HAVE AN INDEPENDENT ELECTRICAL CONTRACTOR INSPECT THE FINISHED ELECTRICAL INSTALLATION UPON COMPLETION FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES. THE INSTALLING CONTRACTOR WILL BE RESPONSIBLE TO BRING ALL ITEMS REPORTED BY THE INDEPENDENT ELECTRICAL CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS.

A. CONTRACTOR NOTES

- 1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
a. A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING THE INSTALLATION OF SAFETY AND DISCONNECT SWITCHES, MOTOR STARTERS AND LIGHTING. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INCLUDE IN HIS BID FOR PROVIDING SERVICE EQUIPMENT NECESSARY FOR TIE-IN TO LANDLORD'S DISTRIBUTION EQUIPMENT OR TO OBTAIN SERVICE FROM LOCAL UTILITY COMPANY. REFER TO ELECTRICAL RESPONSIBILITY SCHEDULE AND ELECTRICAL POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
b. CONTRACTOR MUST ALSO INCLUDE IN BID ALL NECESSARY MATERIALS REQUIRED TO COMPLETE THE SYSTEM INCLUDING, BUT NOT LIMITED TO, FEEDERS, BRANCH CIRCUITS, JUNCTION BOXES, OUTLET BOXES, WIRING DEVICES, COVER PLATES, CONDUITS, ETC.
c. METERING AND CURRENT TRANSFORMERS AS REQUIRED BY DRAWINGS, UTILITY COMPANY, AND/OR LANDLORD.
d. THE WIRING OF MECHANICAL EQUIPMENT AS OUTLINED ON THE BID SET DRAWINGS AND IN THE SPECIFICATIONS. WORK SHALL INCLUDE WIRING OF ALL STARTERS, DISCONNECTS, AND POWER WIRING OF MECHANICAL EQUIPMENT EXCEPT AS SPECIFICALLY NOTED OTHERWISE. ALL LOW VOLTAGE (24 VOLT) EMS TEMPERATURE CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS NOTED SPECIFICALLY ON DRAWING.
e. INSTALLATION OF LIGHT FIXTURES AND LAMPS AS SHOWN ON THE DRAWINGS INCLUDING ALL DEVICES, EQUIPMENT, ETC. REQUIRED FOR MOUNTING.
f. A COMPLETE CONDUIT SYSTEM FOR TELEPHONE/DATA INCLUDING BRANCH CONDUITS, OUTLET BOXES, PULL WIRES, GROUND CONDUCTORS, COVER PLATES, ETC. OR AS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
g. A COMPLETE EMERGENCY AND EXIT LIGHTING SYSTEM AS SHOWN ON THE DRAWINGS.
h. TEMPORARY SERVICE AS INDICATED IN THE SPECIFICATIONS, INCLUDING ITS REMOVAL.
i. FINAL CONNECTIONS TO ALL SIGNS, CORNICE LIGHTING, CASE LIGHTING, ETC. AS SHOWN ON DRAWINGS.
j. IF INDICATED ON DRAWINGS, INSTALLATION AND WIRING OF SPEAKERS, AMPLIFIERS, CONDUIT AND FINAL CONNECTIONS FOR SOUND SYSTEM AS SHOWN.
k. SMOKE/FIRE ALARM WIRING, DEVICES AND CONDUIT, AS SHOWN OR DESCRIBED ON DRAWINGS OR AS NECESSARY TO MEET LANDLORD, STATE, LOCAL, INSURANCE AND FIRE DEPARTMENT REQUIREMENTS.
l. INSTALLATION OF CONDUITS STUBBED TO ABOVE CEILING FOR HVAC. ALSO, ANY ADDITIONAL CONDUIT FOR HVAC CONTROL EQUIPMENT WHERE PLENUM RATED CABLES ARE NOT PERMITTED.
m. BALANCING LOADS.
n. AS-BUILTS, PANEL DESCRIPTION AND CIRCUIT BREAKER SPECIFIC LABELING.
2. THE FOLLOWING ITEMS OF ELECTRICAL CONSTRUCTION ARE NOT INCLUDED IN THIS CONTRACT:
a. TELEPHONE INSTRUMENTS AND WIRING UNLESS NOTED OTHERWISE.
b. DATA CABLE WIRING UNLESS NOTED OTHERWISE.
3. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, MECHANICAL AND PLUMBING PLANS, SHOP DRAWINGS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE ELECTRICAL SYSTEM, MATERIALS AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.

B. CONDUIT

- 1. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, LIGHTING, RECEPTACLES, HEATING, AIR CONDITIONING, PLUMBING EQUIPMENT, TELEPHONE, DATA, SPEAKERS, SECURITY, PAGER, TRAFFIC COUNTING SYSTEM AND ELECTRICAL EQUIPMENT.
2. ALL CONDUITS SHALL BE GALVANIZED IMC OR EMT UNLESS OTHERWISE SPECIFIED IN SPECIFICATIONS OR ON DRAWINGS. ALL CONDUIT IS TO BE UL LABELED. EMT CONNECTORS SHALL BE STEEL COMPRESSION OR SET SCREW TYPE. CONDUIT UNDER SLAB ON GRADE SHALL BE RIGID STEEL, OR SCHEDULE 40 PVC WITH RIGID STEEL ELLS WHERE PERMITTED BY LANDLORD OR CODE.
3. MINIMUM SIZE OF CONDUIT SHALL BE:
a. MAIN FEEDER CONDUIT 2" OR LARGER FOR ALL APPLICATIONS.
b. 1/2" FOR INDIVIDUAL LIGHTING FIXTURE CONNECTIONS OR TO INDIVIDUAL LIGHT SWITCHES (IF ACCEPTABLE BY THE LANDLORD AND LOCAL CODE OFFICIALS) AND 3/4" FOR ALL OTHER LOCATIONS.

- c. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4", UNLESS NOTED OTHERWISE ON DRAWINGS.
d. ALL IN/UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
4. SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACINGS, IN ACCORDANCE WITH THE NEC AND LOCAL CODES.
5. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY PROJECT MANAGER. PAINTING OF CONDUITS, NOTED ON DRAWINGS OR SPECIFICATIONS WILL BE BY GENERAL CONTRACTOR.
6. CONNECTION TO ANY OUTDOOR EQUIPMENT MUST BE WEATHERPROOF.
7. PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
8. HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD TIGHT TO STRUCTURE ABOVE OR AS REQUIRED TO ALLOW PROPER SERVICE ACCESS AND OTHER TRADES WORK. CONDUIT MUST BE TRAPEZED TO ALLOW 3 FEET MINIMUM CLEARANCE ABOVE CEILING.
9. ALL CONDUITS MUST BE SIZED PER NEC AND LOCAL CODES.
10. ALL SENSORMATIC WIRINGS MUST BE PLACED IN CONDUIT (PVC PIPE NOT PERMITTED).

FITTINGS

- 1. USE COMPRESSION OR THREADED FITTINGS ONLY.
2. SET-SCREW FITTINGS SHALL NOT BE PERMITTED.

OUTLET BOXES

- 1. ALL OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL OF THE STANDARD KNOCKOUT TYPE. NO ROUND OUTLET BOXES SHALL BE PERMITTED UNLESS INDICATED AND FOR LIGHTING THAT REQUIRE SUCH CONFIGURATION. CONCEALED BOXES SHALL NOT BE LESS THAN 4" SQUARE AND 1 1/2" DEEP, WITH PLASTER RINGS.
2. ALL KNOCKOUT BOXES, UPON WHICH LIGHTING FIXTURES ARE TO BE INSTALLED, SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS.
3. EXTERIOR BOXES SHALL BE CAST RUST-RESISTING METAL WITH GASKETED COVERS.
4. INSTALL BOXES RIGIDLY FROM BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE SUITABLE BOX EXTENSIONS TO EXTEND BOXES TO FINISHED FACES OF FLOORS, CEILINGS, WALLS ETC. ALL OUTLET BOXES TO BE PROVIDED WITH CADDY "QUICK-MOUNT BOX SUPPORT" TO MINIMIZE THE DEFLECTION THAT OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.
5. UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRICAL CODE, HANDICAP CODES OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS:
a. SWITCH HEIGHT 48" FROM FINISHED FLOOR TO TOP OF OUTLET.
b. CONVENIENCE OUTLETS: MOUNTED ON WALL NO MORE THAN 48-INCHES, MEASURED FROM TO TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING AND; NO LESS THAN 15-INCHES, MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING, TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM UNLESS OTHERWISE INDICATED OR HORIZONTALLY MOUNTED IN BASEBOARD BENEATH CABINETS, AS SHOWN ON DRAWINGS, OR AS REQUIRED BY LOCAL CODES, SEE DRAWINGS.
c. TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.

JUNCTION AND PULL BOXES

- 1. THE PLANS INDICATE ONLY SCHEMATIC ROUTINGS FOR CONDUIT RUNS. THIS CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL BOXES WHERE REQUIRED BY FIELD CONDITIONS OR BY CODE.
2. BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE SIZE.
3. INSTALL BOXES RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE AND SUPPORTED INDEPENDENT OF THE CONDUIT SYSTEM.
4. ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHOULD BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS.
5. JUNCTION AND PULL BOXES MUST BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.

WIRING

- 1. CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE #12. THE CONDUCTORS SHALL BE 600 VOLT INSULATION, TYPE THW, THWN OR THHN.
2. MINIMUM WIRE SIZE - 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FURTHEST OUTLET.
a. #12 LESS THAN 100 FEET
b. #10 BETWEEN 100-150 FEET
c. #8 BETWEEN 150 - 250 FEET
d. #6 OVER 250 FEET
3. ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANEL BOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.
4. CONDUCTORS MAY BE STRANDED FOR SIZES #10 AWG AND LARGER. CONDUCTOR SIZE #12 SHALL BE SOLID (NOT STRANDED).
5. ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE, WHERE REQUIRED BY LANDLORD. CONDUCTOR CONNECTION MUST BE PER MANUFACTURERS REQUIREMENTS. CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM GENERAL CONTRACTOR AND PROJECT MANAGER WHEN USED.
6. ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (IE. LOW VOLTAGE PLENUM RATED WIRE).
7. THE USE OF SHARED NEUTRALS IS REQUIRED FOR LIGHTING CIRCUITS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES. ALL OTHER EQUIPMENT REQUIRING A NEUTRAL CONDUCTOR SHALL HAVE A DEDICATED FULL SIZE NEUTRAL.
8. WIRE CONNECTORS SHALL BE EQUAL TO "SCOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO T & B "LOCKTIGHT" FOR #6 AWG AND LARGER.
9. ALL WIRING TO BE COLOR-CODED AS FOLLOWS:
120/208 VOLT SYSTEM NEUTRAL - WHITE
PHASE A OR L1 - BLACK
PHASE B OR L2 - RED
PHASE C OR L3 - BLUE
GROUND - GREEN
277/480 VOLT SYSTEM NEUTRAL - GRAY
PHASE A OR L1 - YELLOW
PHASE B OR L2 - ORANGE
PHASE C OR L3 - BROWN
GROUND - GREEN WITH YELLOW TRACER

ELECTRICAL SYMBOLS LIST

Table with columns: CLG, WALL, FLR, DESCRIPTION. Lists various electrical symbols and their corresponding descriptions, such as Duplex Receptacle, Ground Fault Interrupting Duplex Receptacle, Junction Box, etc.

SYMBOL NOTES:

SYMBOL LIST SHOWN IN FOR GENERAL REFERENCE ONLY. A PRESENCE OF A SYMBOL DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWING FOR SPECIFIC SYMBOLS USED.

SCOPE OF WORK

- EXISTING PARKING LOT TENANT IMPROVEMENT.
REPLACE EXISTING PARKING LOT LIGHT FIXTURES TO L.E.D / SAME CIRCUITS TO BE USED.
PROVIDE NEW CONDUITS TO ELECTRICAL PANEL.

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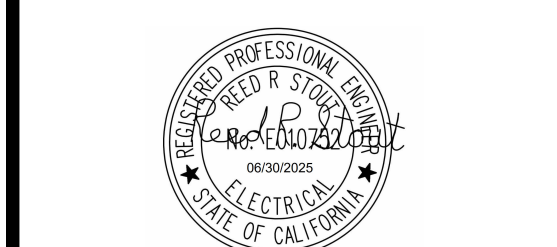
109 PLAN SUBMITTAL 09-09-2020

REVISION SCHEDULE

Table with columns: REVISION NUMBER, DATE

ENGINEER OF RECORD

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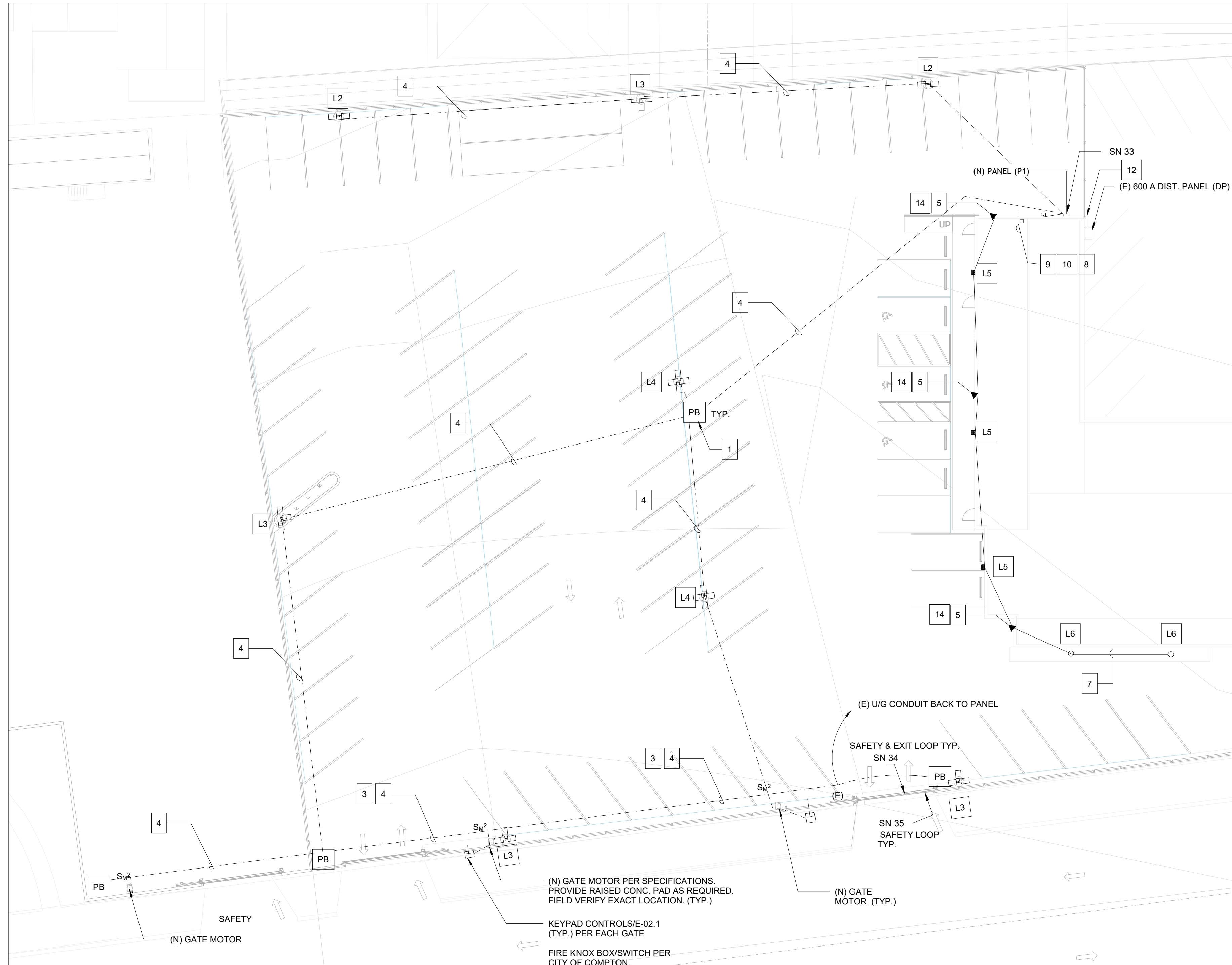


SHEET NAME

ELECTRICAL NOTES & SPECIFICATIONS

SHEET NUMBER

E-0.1



1 ELECTRICAL SITE PLAN
1/16" = 1'-0"

ELECTRICAL PLAN SHEET NOTES

- SN 33 INSTALL NEW 225-AMP. SURFACE-MOUNTED ELECTRICAL PANEL, CONFORMING TO NEC CLEARANCE AND ACCESSIBILITY REQUIREMENTS; ENSURE PANEL IS UL LISTED AND LABELED FOR COMMERCIAL USE.
- SN 34 MOTORIZED GATE EXIT LOOP - TYP. SAW CUT EXISTING A.C. & PROVIDE SEALANT AS REQUIRED - FIELD VERIFY
- SN 35 MOTORIZED GATE SAFETY LOOP - TYP. SAW CUT EXISTING A.C. & PROVIDE SEALANT AS REQUIRED - FIELD VERIFY

GENERAL NOTES:

1. REFER TO 'GENERAL NOTES' ON ELECTRICAL SPECIFICATIONS AND NOTES SHEET.
2. COORDINATE TRENCH ROUTING AND EQUIPMENT LOCATIONS WITH EXISTING CONDITIONS AND NEW WORK.
3. ALL SITE BRANCH CIRCUIT WIRING SHALL BE #10 AWG. OR LARGER.
4. CONTRACTOR SHALL VERIFY EXISTING BUILDING FOOTING PRIOR TO INSTALLATION OF STUB-UP CONDUITS FOR NEW WALL MOUNTED JUNCTION BOX TO AVOID ANY INTERFERENCE.
5. CONTRACTOR SHALL UTILIZE 'GPR' GROUND PENETRATING RADAR TO SURVEY AND TRACE ALL EXISTING UNDERGROUND UTILITY LINES IN AREAS WHERE NEW TRENCHING IS PLANNED. CONTRACTOR TO SUBMIT "GPR" REPORT TO PROJECT MANAGER FOR REVIEWING PRIOR TO TRENCHING.
6. ALL SITE UNDERGROUND CONDUIT TO BE 1" MIN. UNLESS OTHERWISE NOTED.
7. SUPPORT CONDUIT(S) EVERY 10'-0" AND WITHIN 3'-0" OF ANY JUNCTION BOX OR TERMINATION.
8. ALL PANELS, CONDUITS, TRANSFORMERS, AND ELECTRICAL COMPONENTS SHOWN ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. THESE EXISTING COMPONENTS SHALL BE USED AS THE BASIS FOR THE PROJECT.
9. THIS DIAGRAM IS OBTAINED FROM THE AS-BUILT DOCUMENTATION PROVIDED BY THE OWNER AND SHALL BE VERIFIED IN THE FIELD FOR ACCURACY AND COMPLETENESS. ANY DISCREPANCIES FOUND DURING THE VERIFICATION PROCESS MUST BE PROMPTLY REPORTED.
10. IN CASE OF ANY INCONSISTENCIES OR DISCREPANCIES BETWEEN THIS AS-BUILT DIAGRAM AND THE ACTUAL FIELD COMPONENTS, THE ENGINEER MUST BE NOTIFIED IMMEDIATELY TO ADDRESS AND RESOLVE THE ISSUES.
11. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING THOROUGH FIELD VERIFICATION TO ENSURE THE PRECISE LOCATION AND CONDITION OF EXISTING ELECTRICAL ELEMENTS BEFORE PROCEEDING WITH ANY MODIFICATIONS OR NEW INSTALLATIONS.
12. ANY DEVIATIONS OR CHANGES REQUIRED FOR THE SUCCESSFUL IMPLEMENTATION OF THE PROJECT MUST BE DOCUMENTED AND APPROVED BY THE ENGINEER BEFORE IMPLEMENTATION.
13. ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL RELEVANT CODES, REGULATIONS, AND SAFETY STANDARDS. THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE GUIDELINES TO MAINTAIN THE INTEGRITY AND SAFETY OF THE ELECTRICAL SYSTEM.

CONSTRUCTION NOTES:

- 1 PROVIDE 11"x17" UNDERGROUND PULL BOX FOR POWER, WITH TRAFFIC RATED LOCKABLE LID.
REFER TO DETAIL: $\frac{2}{E2.1}$
- 2 PROVIDE 11"x17" UNDERGROUND PULL BOX FOR SIGNAL.
REFER TO DETAIL: $\frac{2}{E2.1}$
- 3 PROVIDE THE FOLLOWING UNDERGROUND SIGNAL CONDUITS:
(1) 1" C.O. - FUTURE CONTROLS
(1) 1" C. - LOW VOLTAGE POWER
(1) 1" C. - SPARE
REFER TO TRENCHING DETAIL: $\frac{5}{E2.1}$
- 4 PROVIDE NEW UNDERGROUND CONDUIT FOR POWER TO GATE MOTOR. REFER TO SINGLE LINE DIAGRAM FOR FEEDER AND CONDUIT SIZING.
REFER TO TRENCHING DETAIL: $\frac{5}{E2.1}$
- 5 PROVIDE SURFACE MOUNTED NEMA 3R POWER PULL BOX, MOUNTED HIGH ON WALL.
REFER TO DETAIL: $\frac{3}{E2.1}$
- 6 PROVIDE SURFACE MOUNTED NEMA 3R SIGNAL PULL BOX, MOUNTED HIGH ON WALL.
REFER TO DETAIL: $\frac{3}{E2.1}$
- 7 PROVIDE NEW EXPOSED CONDUIT. REFER TO DETAIL: $\frac{7}{E2.1}$
- 8 PROVIDE (1) 1-1/4" C.O. SIGNAL CONDUIT SLEEVE. PROVIDE FIRE CAULKING FOR PENETRATIONS WHERE NECESSARY.
REFER TO PENETRATION DETAIL: $\frac{4}{E2.1}$
- 9 PROVIDE (1) 2" C.O. SIGNAL CONDUIT SLEEVE ABOVE ATTIC SPACE FOR FUTURE LOW VOLTAGE CONTROLS. PROVIDE FIRE CAULKING FOR PENETRATIONS WHERE NECESSARY.
REFER TO PENETRATION DETAIL: $\frac{4}{E2.1}$
- 10 PROVIDE 24"x24" CANOPY CEILING MOUNTED ACCESS PANEL.
REFER TO DETAIL: $\frac{6}{E2.1}$
- 11 PROVIDE NEW CONDUIT FOR POWER TO GATE MOTORS. REFER TO SINGLE LINE DIAGRAM FOR FEEDER AND CONDUIT SIZING.
- 12 PROVIDE NEW FEEDERS IN EXISTING 2" CONDUIT, CONNECTING EXISTING DIST. PANEL 'DP' WITH EXISTING PANEL 'P1'. REFER TO SINGLE LINE DIAGRAM FOR FEEDER SIZING.
REFER TO MOUNTING DETAIL: $\frac{8}{E2.1}$
- 14 PROVIDE NEW CONDUIT ROUTED ALONG WALL TO NEW PULL BOX.
REFER TO CONDUIT TRANSITION DETAIL: $\frac{9}{E2.1}$

SITE PLAN LUMINAIRE SCHEDULE

TAG	DESCRIPTION	MTG	WATT		LED		DRIVER		APPROVED MANUFACTURER/OR APPROVED EQUAL	
			ANSI WATT S	PER	TYPE	QTY	DELIVERED LUMENS (MIN)	VOLTS		CONTROLS
L3	AL-200-50K-D_XE_G3-T3-120V	POLE	193.2	FIX	LED	4	28596	120 - 277 V	OSD/LIR	ALEO LIGHTING, INC.
L2	AL-200-50K-D_XE_G3-T3-120V	POLE	193.2	FIX	LED	2	28596	120 - 277 V	OSD/LIR	ALEO LIGHTING, INC.
L4	AL-200-50K-D_XE_G3-T3-120V	POLE	193.2	FIX	LED	2	28596	120 - 277 V	OSD/LIR	ALEO LIGHTING, INC.
L5	WPE-60-XE-GE-120V	WALL	52.1	FIX	LED	4	28596	120 - 277 V	OSD/LIR	ALEO LIGHTING, INC.
L6	RPC-55 CT-120V-14	WALL	52-26	FIX	LED	2	28596	120 - 277 V	OSD/LIR	ALEO LIGHTING, INC.

SCHEDULE NOTES

- 1-INSTALL 4 UNITS OF AL-200-50K-D_XE_G3-T3-277V FIXTURES, LABELED AS L1_3, ENSURING ALIGNMENT WITH PROJECT LIGHTING SPECIFICATIONS AND ELECTRICAL CODES.
- 2- PROVIDE 2 UNITS OF AL-200-50K-D_XE_G3-T3-277V LUMINAIRES, LABELED AS L1_2, IN ACCORDANCE WITH DESIGN LAYOUT AND INSTALLATION STANDARDS.
- 2- MOUNT 2 SETS OF AL-200-50K-D_XE_G3-T3-277V LIGHTING FIXTURES, DESIGNATED L1_4, FOLLOWING PRESCRIBED ELECTRICAL AND SAFETY PROTOCOLS.
- 3- NSTALL 4 UNITS OF WPE-60 50_XE G3-277V FIXTURES, DESIGNATED L5.
- 4- PROVIDE 2 UNITS OF RPC-55 CT-277V-14 LUMINAIRES, LABELED AS L6.
- 5- OSD/LIR: MULTI LEVEL OCC. SENSOR W/WIRELESS CONFIG.

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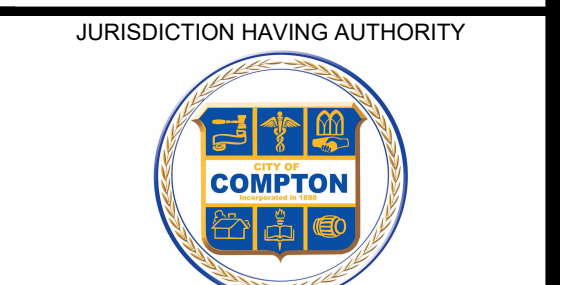


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PROJECT NAME LOCATION OWNER

COMMUNITY SECURITY SERVICES YARD
SITE IMPROVEMENTS
4404 N ALAMEDA ST., COMPTON, CA 90221
CITY OF COMPTON COMMUNITY SERVICES

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REVISION SCHEDULE

REVISION NUMBER	DATE
2	06/07/2023

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REVIEWED BY SEAL / STAMP



SHEET NAME
ELECTRICAL SITE PLAN

SHEET NUMBER
E-1.1

3 #8 THHN, 4" C. - 4FT.

PROPOSED ELECTRICAL PANEL SCHEDULE		(N) PANEL "P1"		FEEDER: MDP					
VOLTAGE: 120/240V, 3Ø 4W		LOAD VA		MAINS/MLO		BUS: 200A		A.I.C: 10,000	
CIRCUIT DESCRIPTION:	BKR	CIR NO.	Ø A	Ø B	Ø A	Ø B	CIR NO.	BKR	CIRCUIT DESCRIPTION:
NEW GATE MOTORS - 2	N	20/1	1	208	208		2	20/1	N NEW GATE MOTOR - 1
NEW GATE MOTORS - 2	N	20/2	3		208	208	4		N NEW GATE MOTOR - 1
BUILDING EXTERIOR LIGHTS	L	20/1	5	464	464		6	20/1	L PARKING LOT LIGHTS
PARKING LOT LIGHTS	L	20/1	7		464	464	8	20/1	L PARKING LOT LIGHTS
SPARE			9				10		SPARE
SPARE		20/1	11				12	20/1	SPARE
SPARE			13				14	20/1	SPARE
SPARE	R	20/1	15				16	20/1	SPARE
SPARE	N	20/1	17	750			18	20/1	SPARE
SPARE		20/1	19				20	20/1	SPARE
SPARE			21				22	20/1	SPARE
SPARE	K	20/1	23				24	20/1	SPARE
SPARE	K	20/1	25	1000			26	30/2	SPARE
SPARE			27				28	20/1	SPARE
SPARE	C	50/2	29				30	45/2	SPARE
PHASE TOTALS		A		B					
		1344		1344					
TOTAL LOAD				2691 WATTS		FOR DEMAND LOAD SEE BELOW			
MIN. C/B AIC: 10,000									

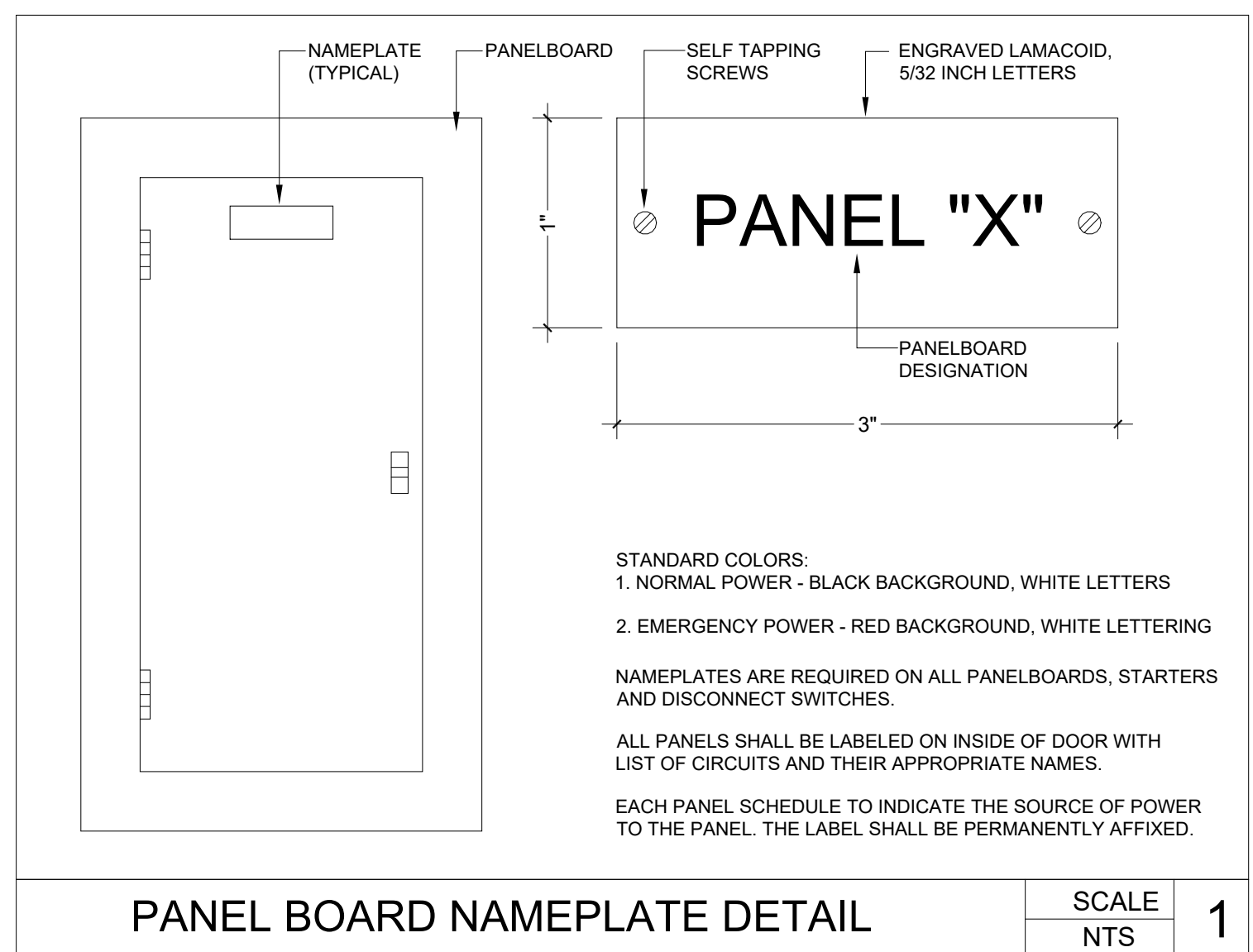
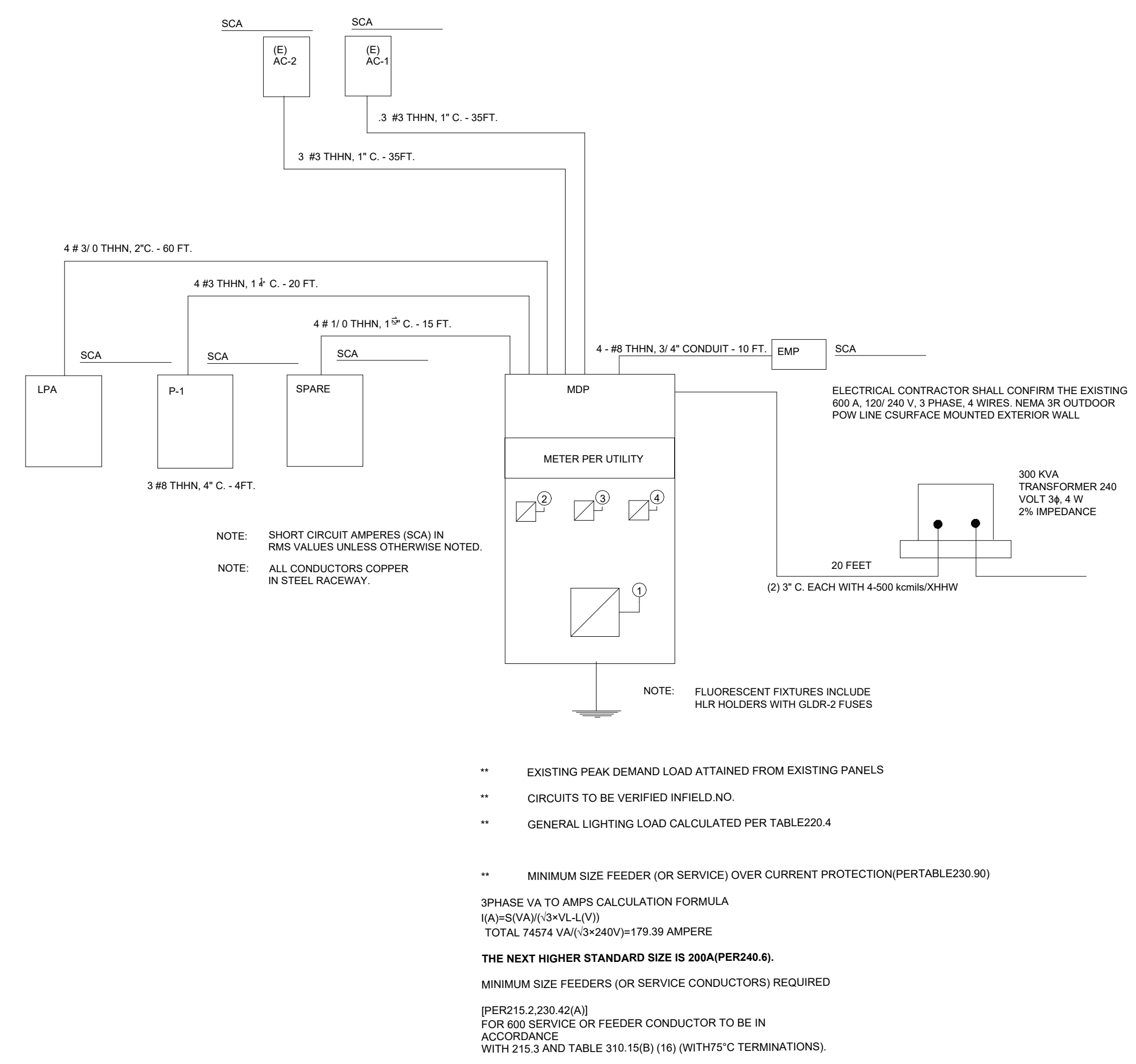
*DEMAND LOAD CALCULATION:
L=LIGHTING LOADS: 1.25X1859.2 = 2324 VA
C=CONTINUOUS LOADS, OTHER: 1.25X0 = 0 VA
M=MOTOR LOADS (INCL LGST): 1X0 = 0VA
LARGEST, VA: 25X3904=1952 VA
R=RECEPTACLES: 1ST 10K: 1 X 4860 = 4860 VA
BALANCE: 5X0=0 VA
K=KITCHEN: 0
N=NONCONTINUOUS LOADS, OTHER: 1X832 = 832 VA
(P= PANEL, INCL. IN ABOVE)
TOTAL N.E.C DEMAND LOAD = 9968 VA = 83.07 AMPS
PROPOSED PANEL OK.

NOTES:
EMPTY LOADS: SPARE

120V, SINGLE POLE, MAX 3% VOLTAGE DROP						
	LENGTH OF RUN					
	25'	50'	100'	150'	200'	AMP LOAD
COPPER	14	12	10	8	6	15 AMP
COPPER	12	12	8	6	4	20AMP
COPPER	10	10	6	4	4	30 AMP
COPPER	1	1	1	2/0	4/0	100 AMP
ALUMINUM	1/0	1/0	2/0	4/0	300	100 AMP
COPPER	3/0	3/0	3/0	300	500	200 AMP
ALUMINUM	250	250	300	600	900	200 AMP

NOTE:
THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CIRCUIT CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.

From the lighting fixture schedule provided:
L3: 4 fixtures at 193.2 watts each = 772.8 watts
L2: 2 fixtures at 193.2 watts each = 386.4 watts
L4: 2 fixtures at 193.2 watts each = 386.4 watts
L5: 4 fixtures at 52.1 watts each = 208.4 watts
L6: 2 fixtures at 52.6 watts each = 105.2 watts
Total wattage for lighting fixtures = 1859.2 watts
For the gate motors:
Each gate motor: 416 watts
Two gate motors: 2 x 416 watts = 832 watt



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PROJECT NAME: COMMUNITY SECURITY SERVICES YARD SITE IMPROVEMENTS
LOCATION: 4404 N ALAMEDA ST., COMPTON, CA 90221
OWNER: CITY OF COMPTON COMMUNITY SERVICES

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157 PLAN SUBMITTAL# 09090203

REVISION SCHEDULE	
REVISION NUMBER	DATE

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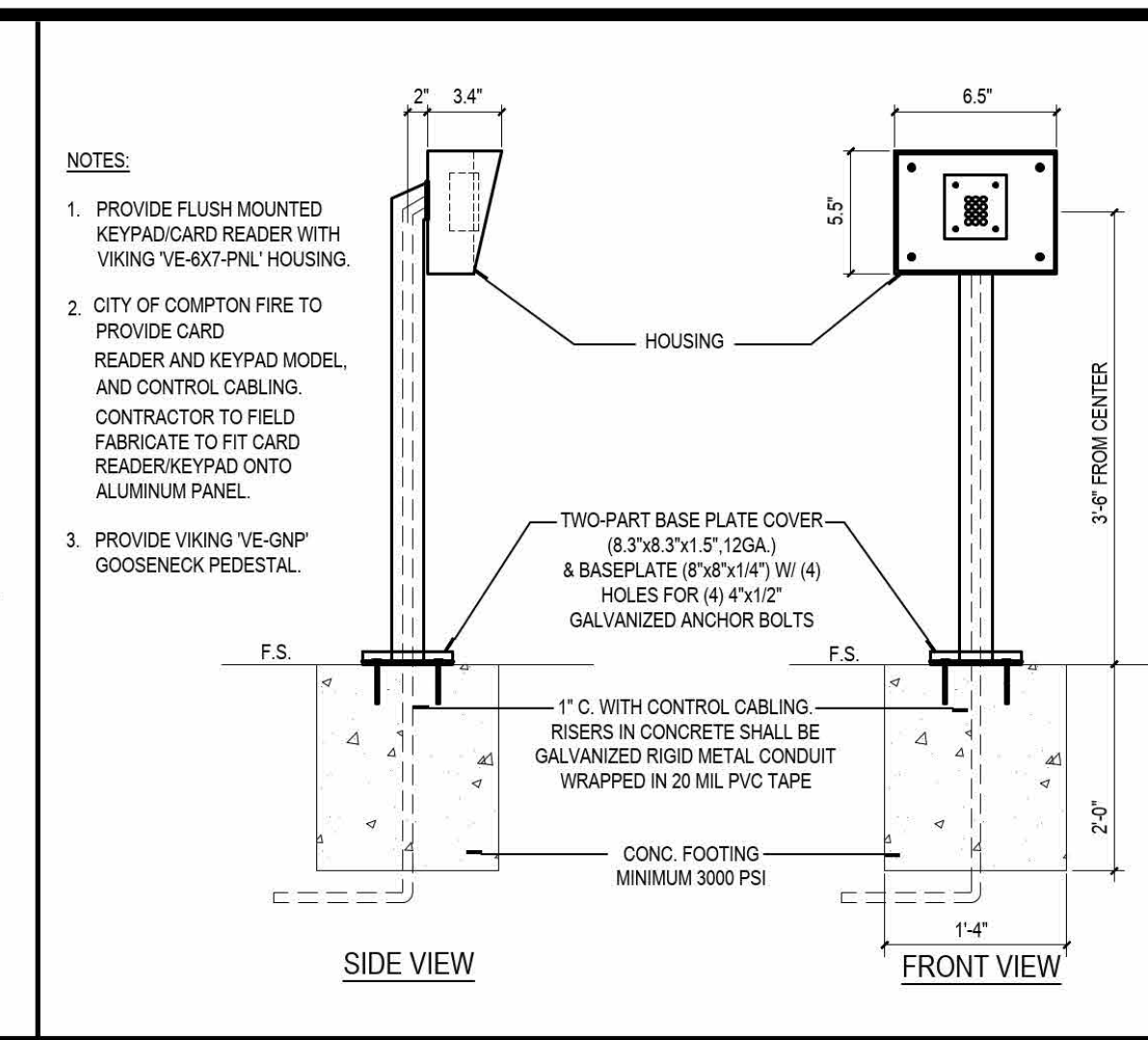
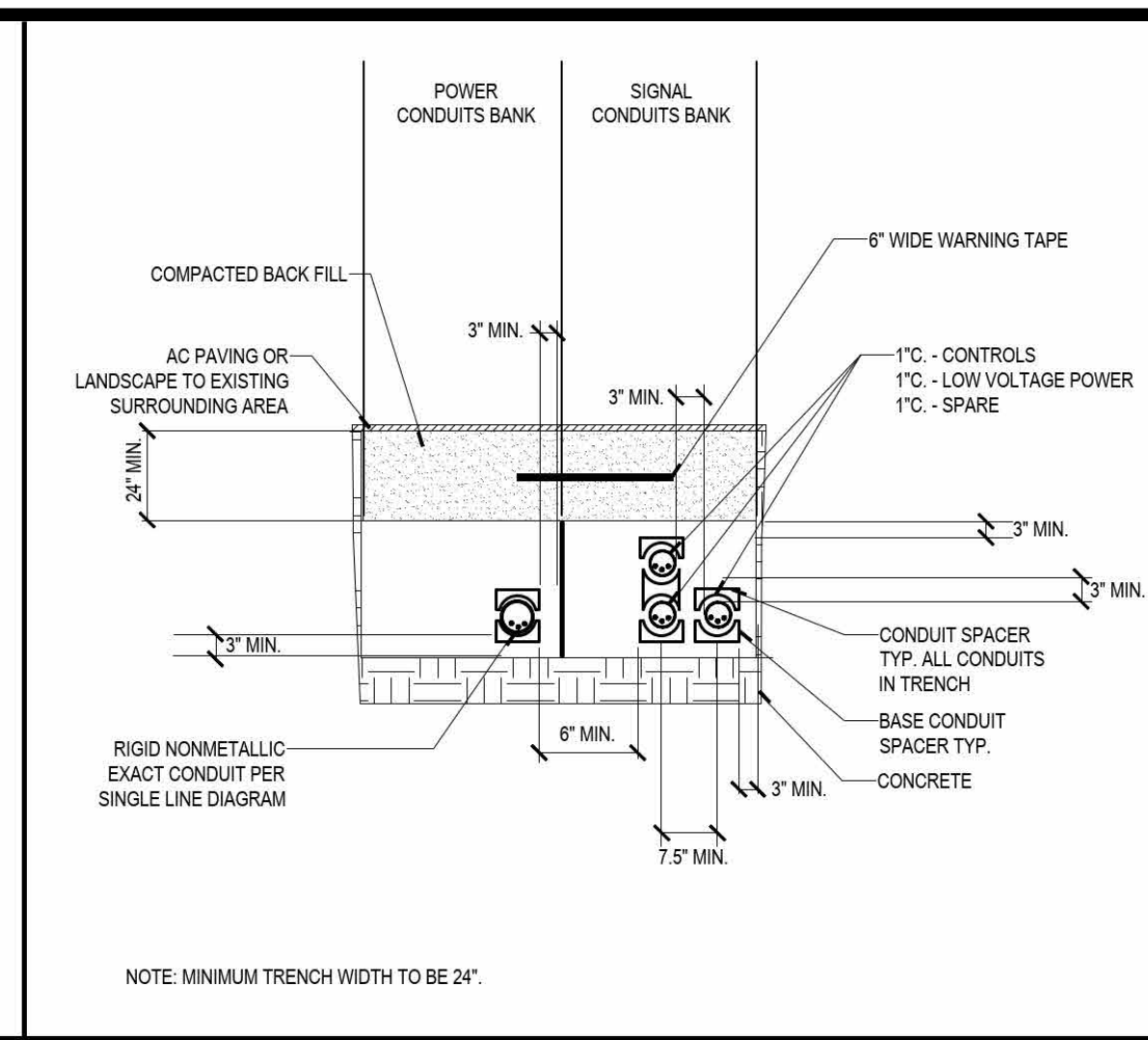
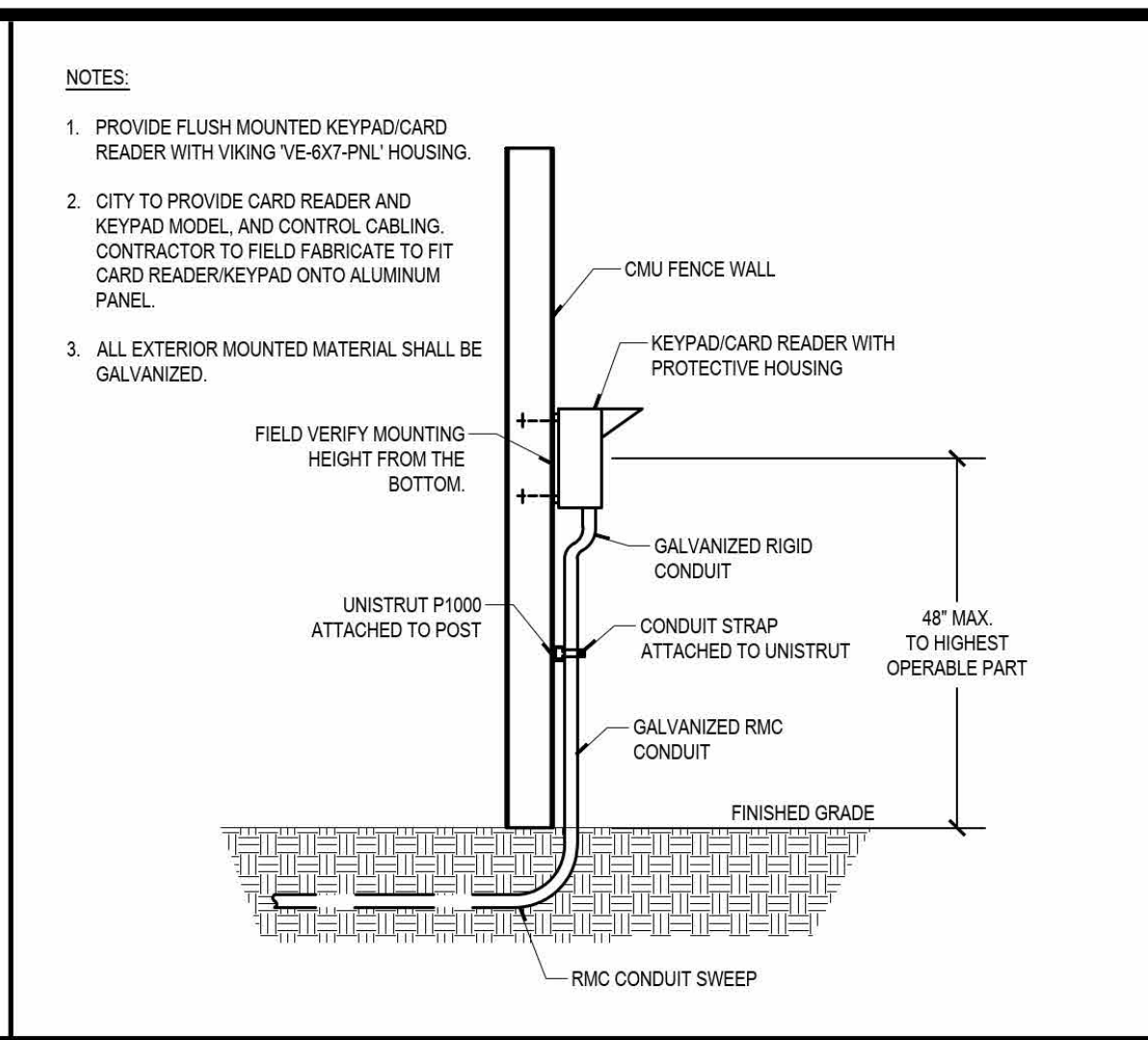


SHEET NAME
SINGLE LINE DIAGRAM

SHEET NUMBER
E-0.2

- 16

- 12

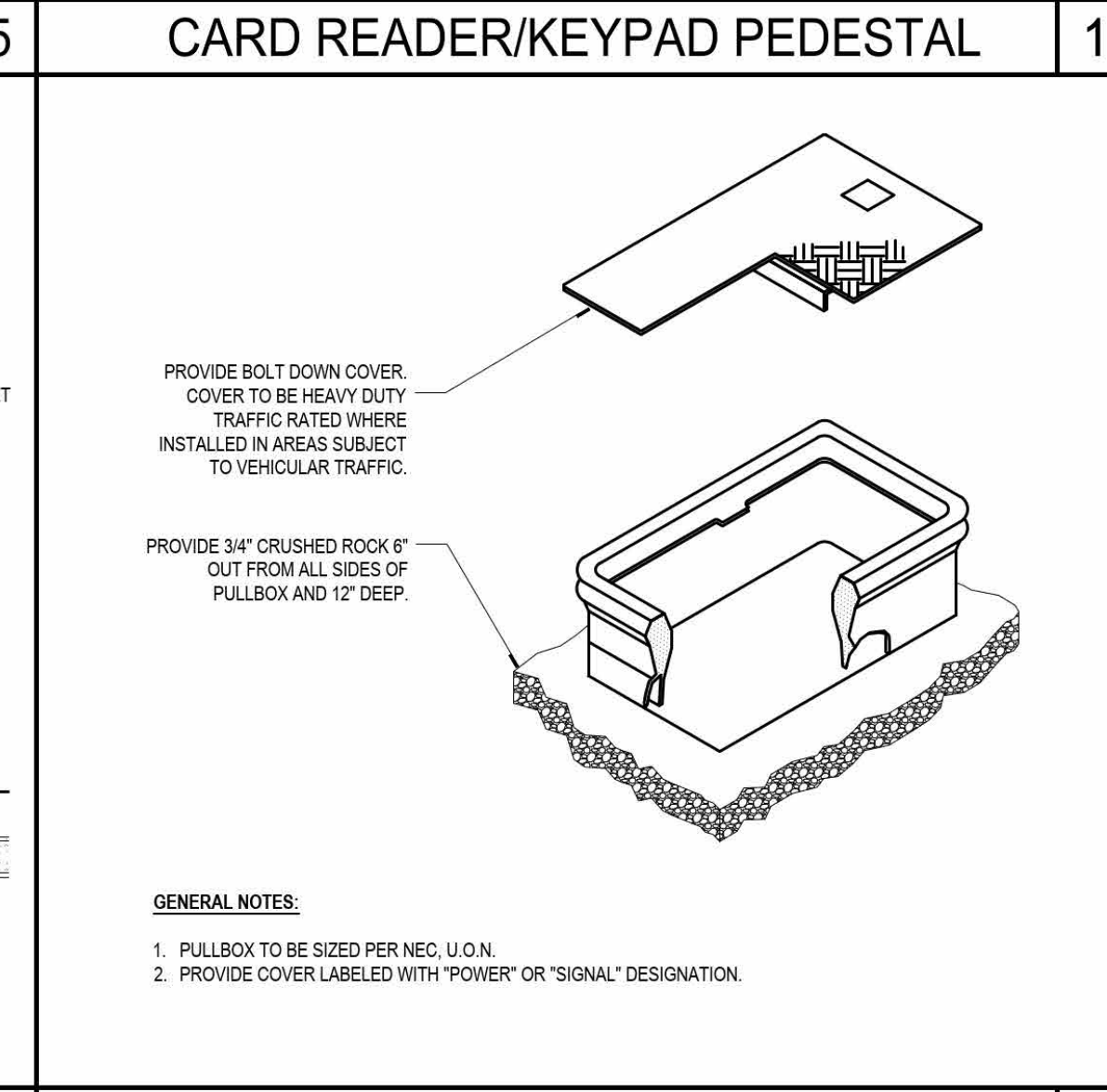
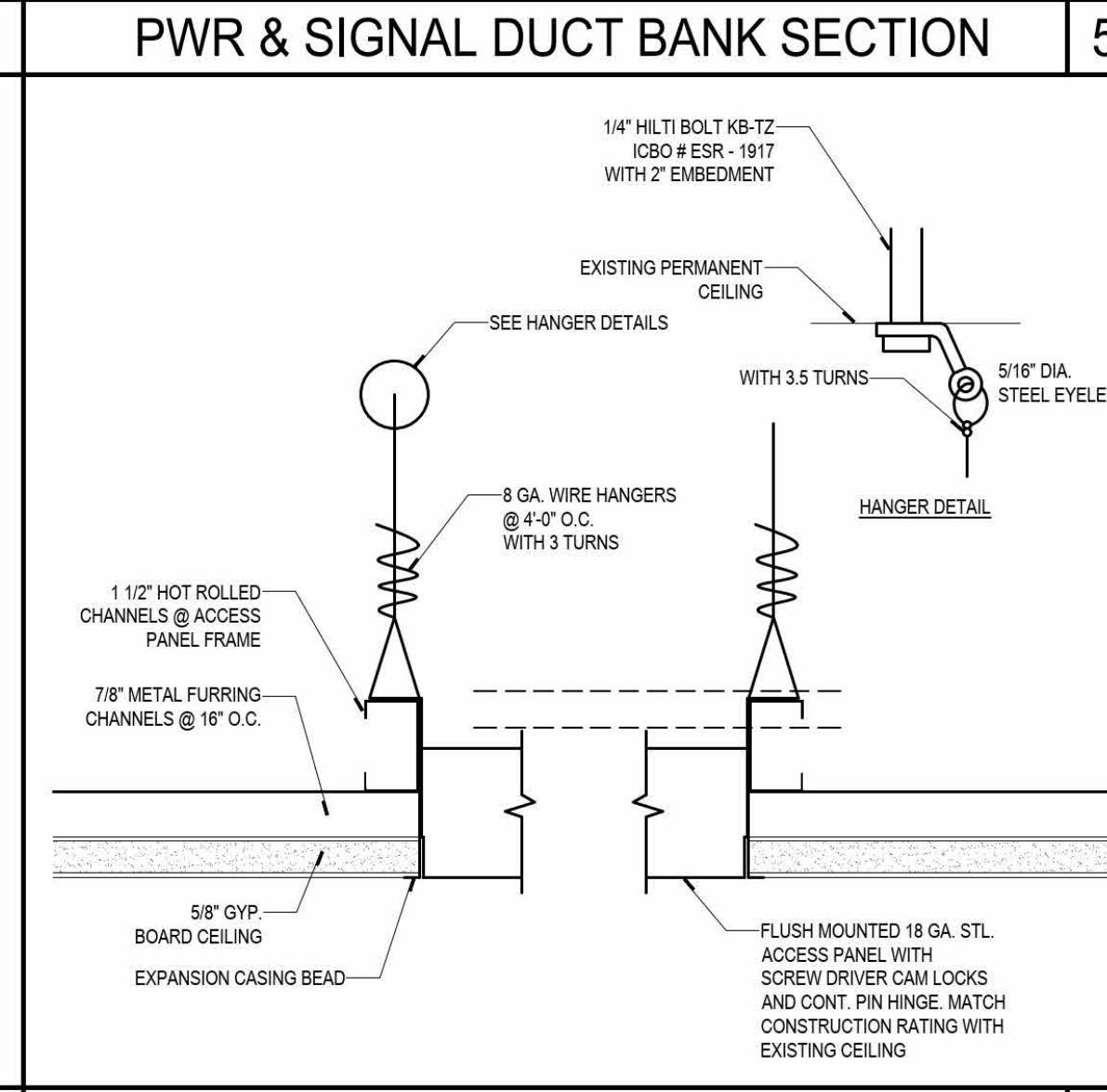
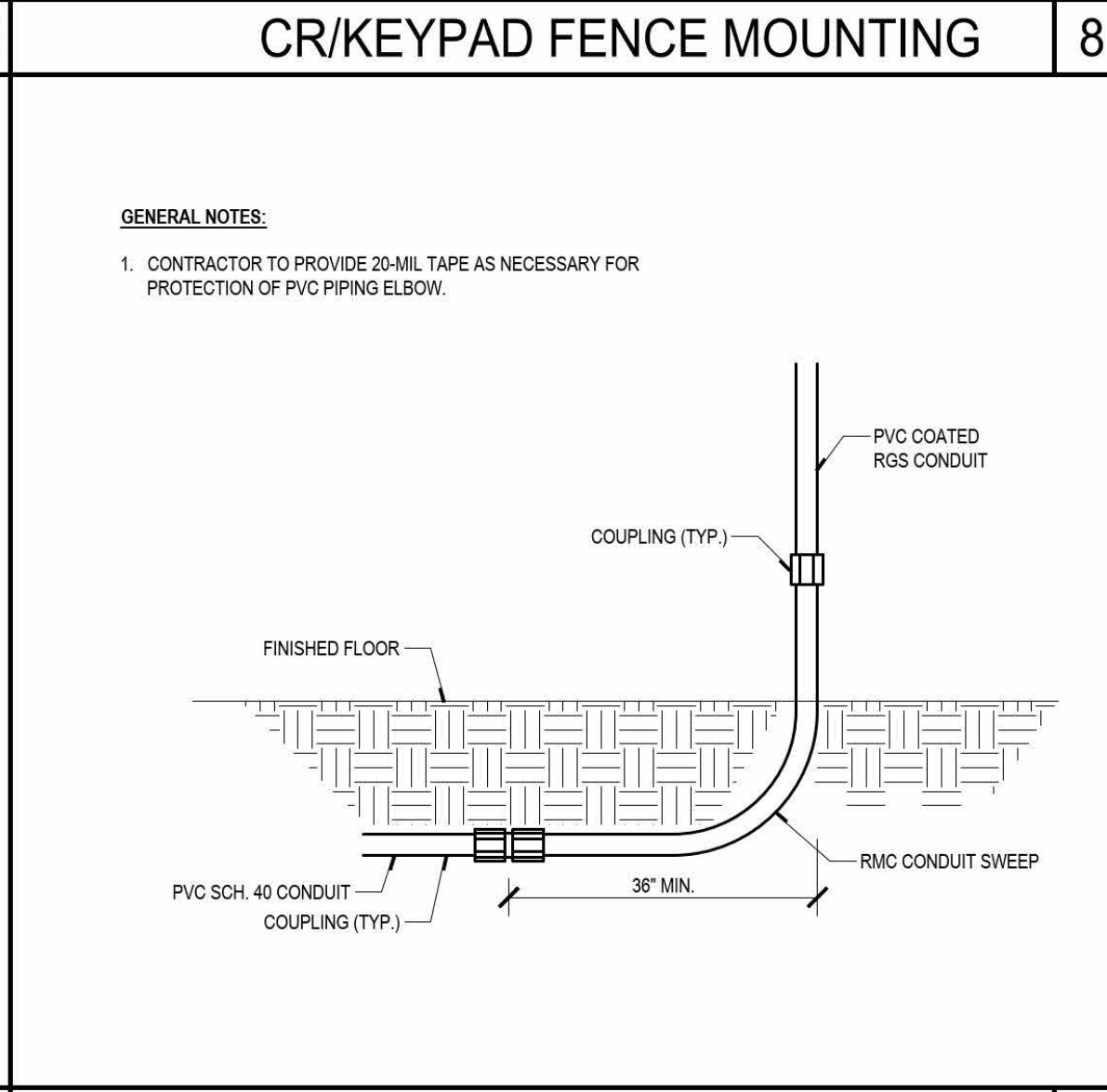
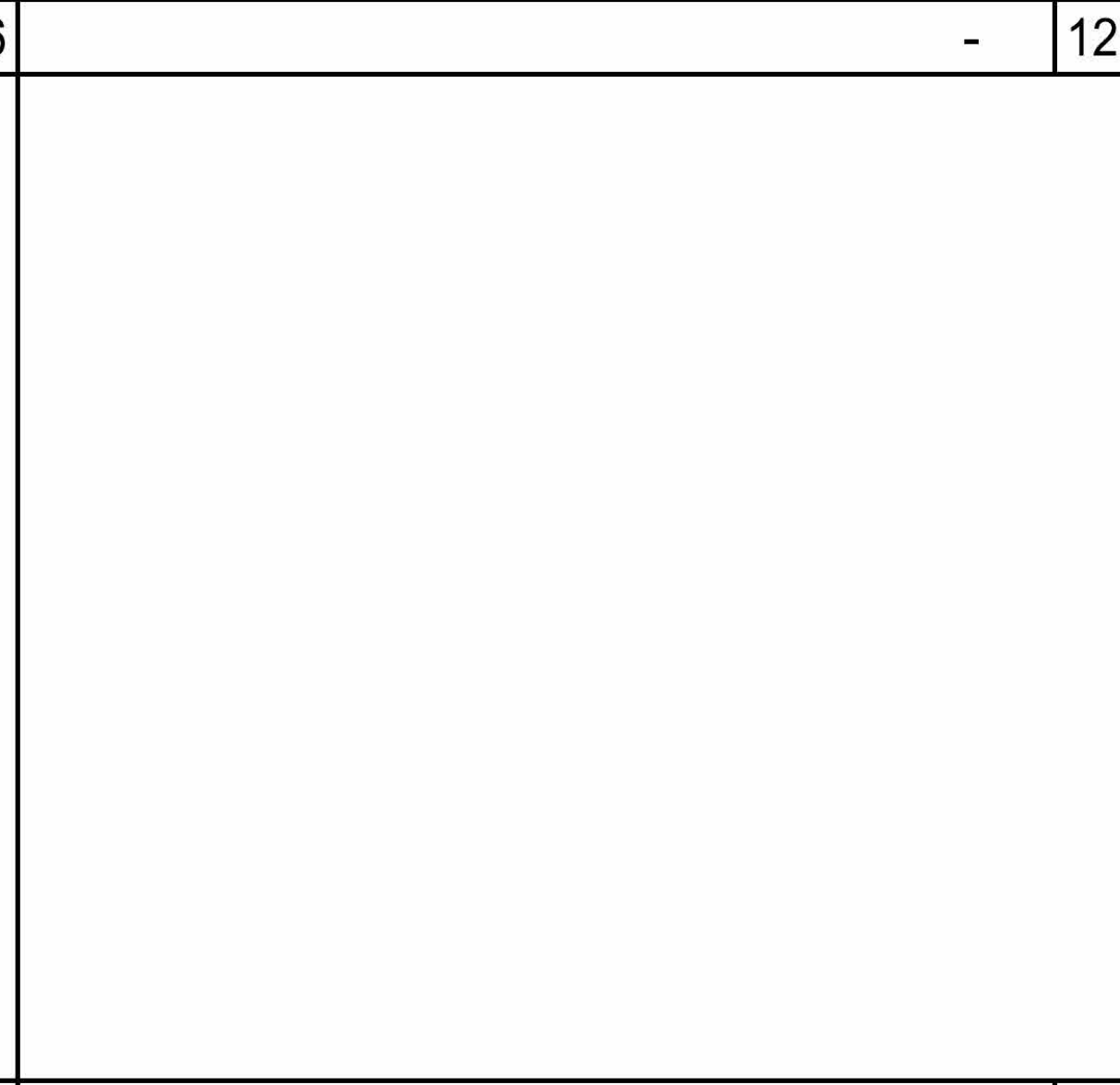


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- 17



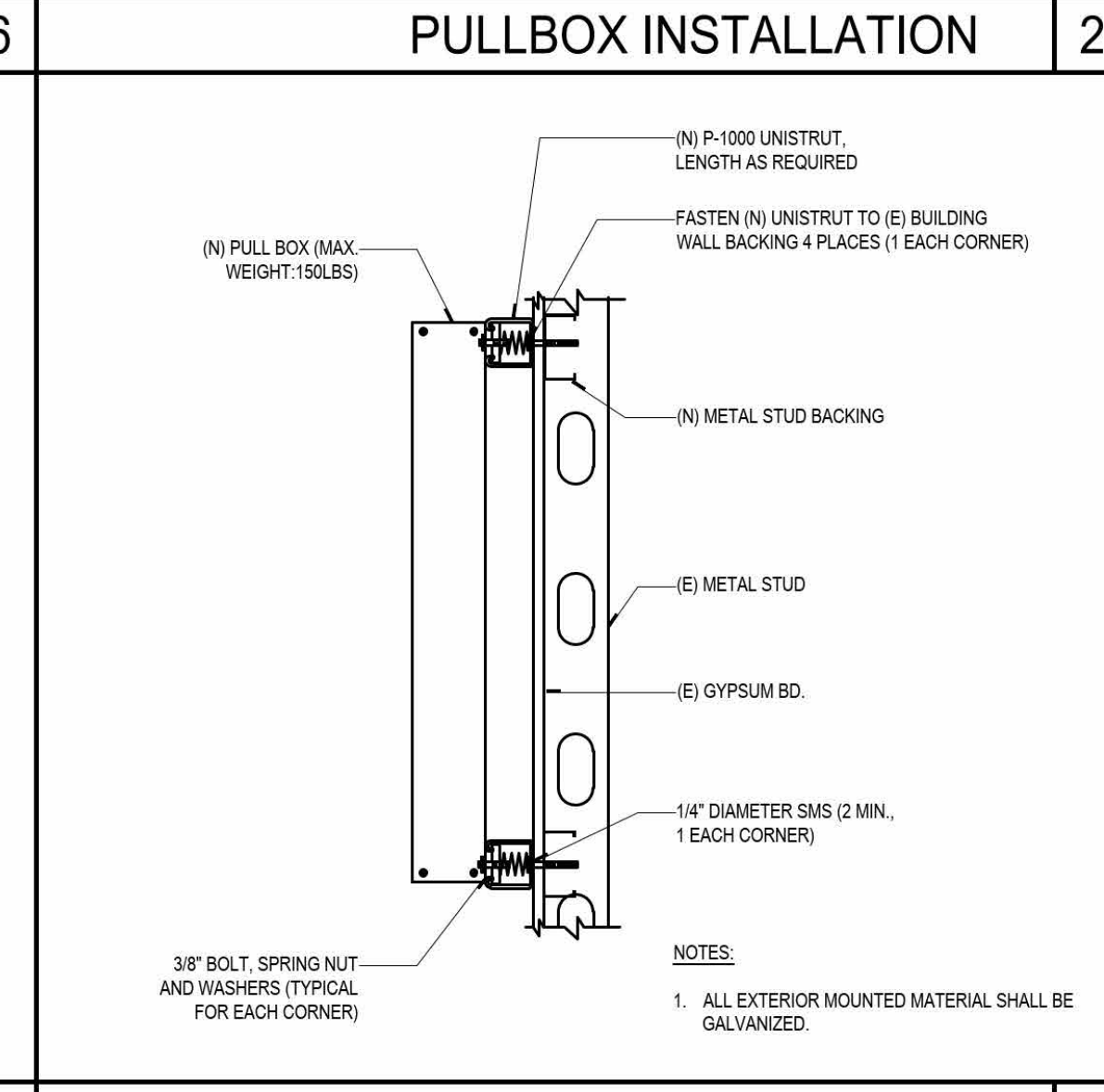
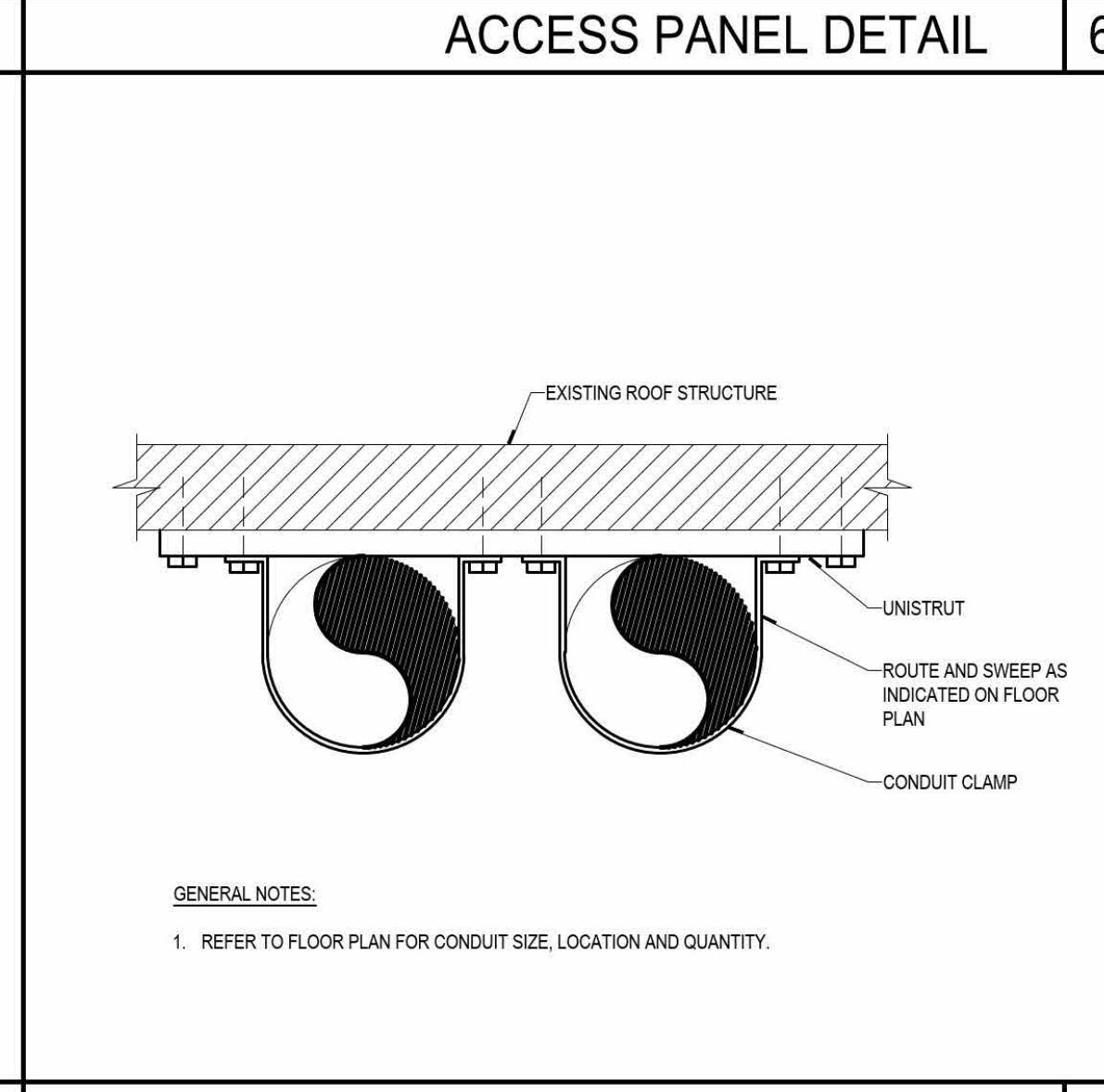
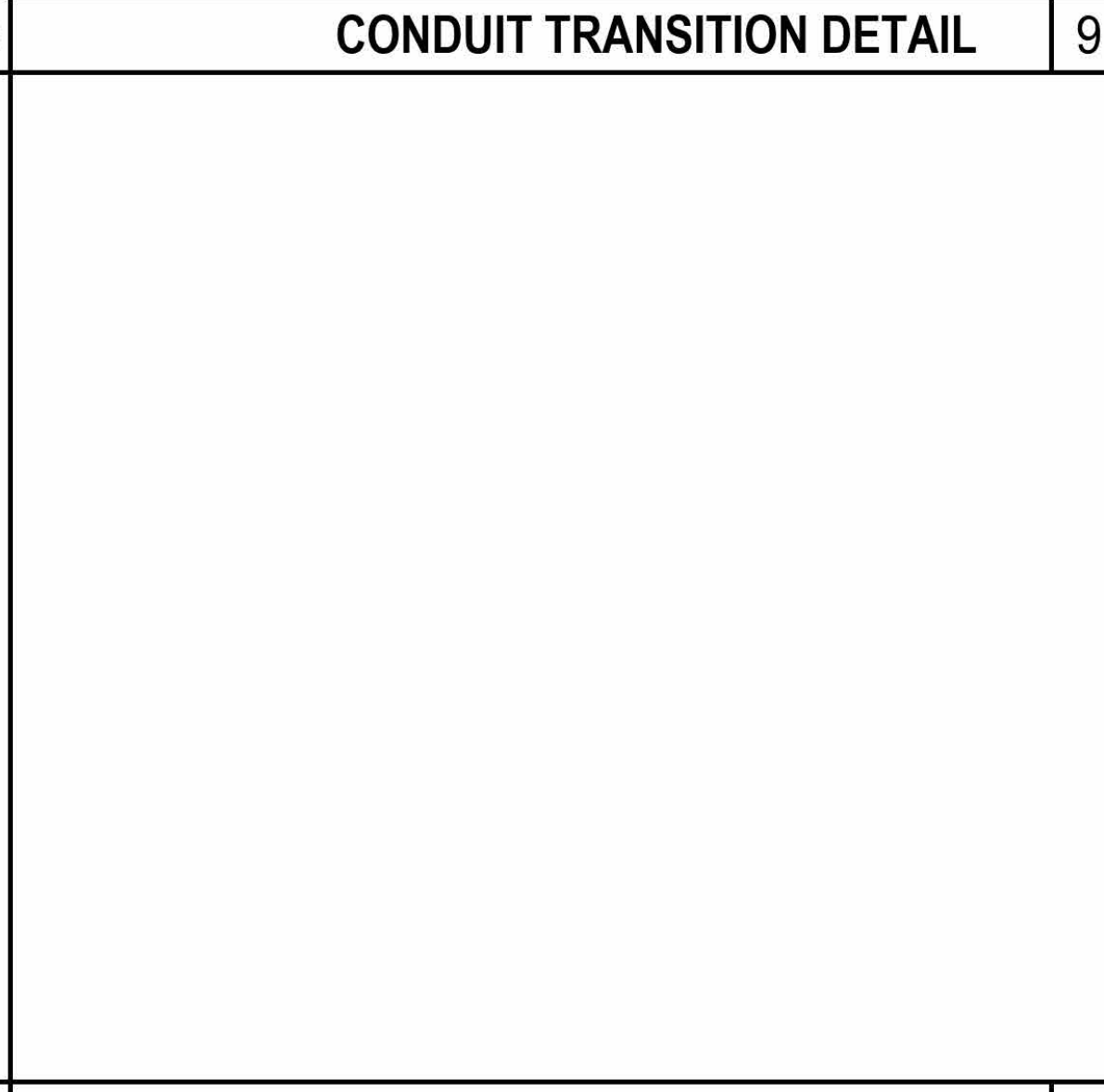
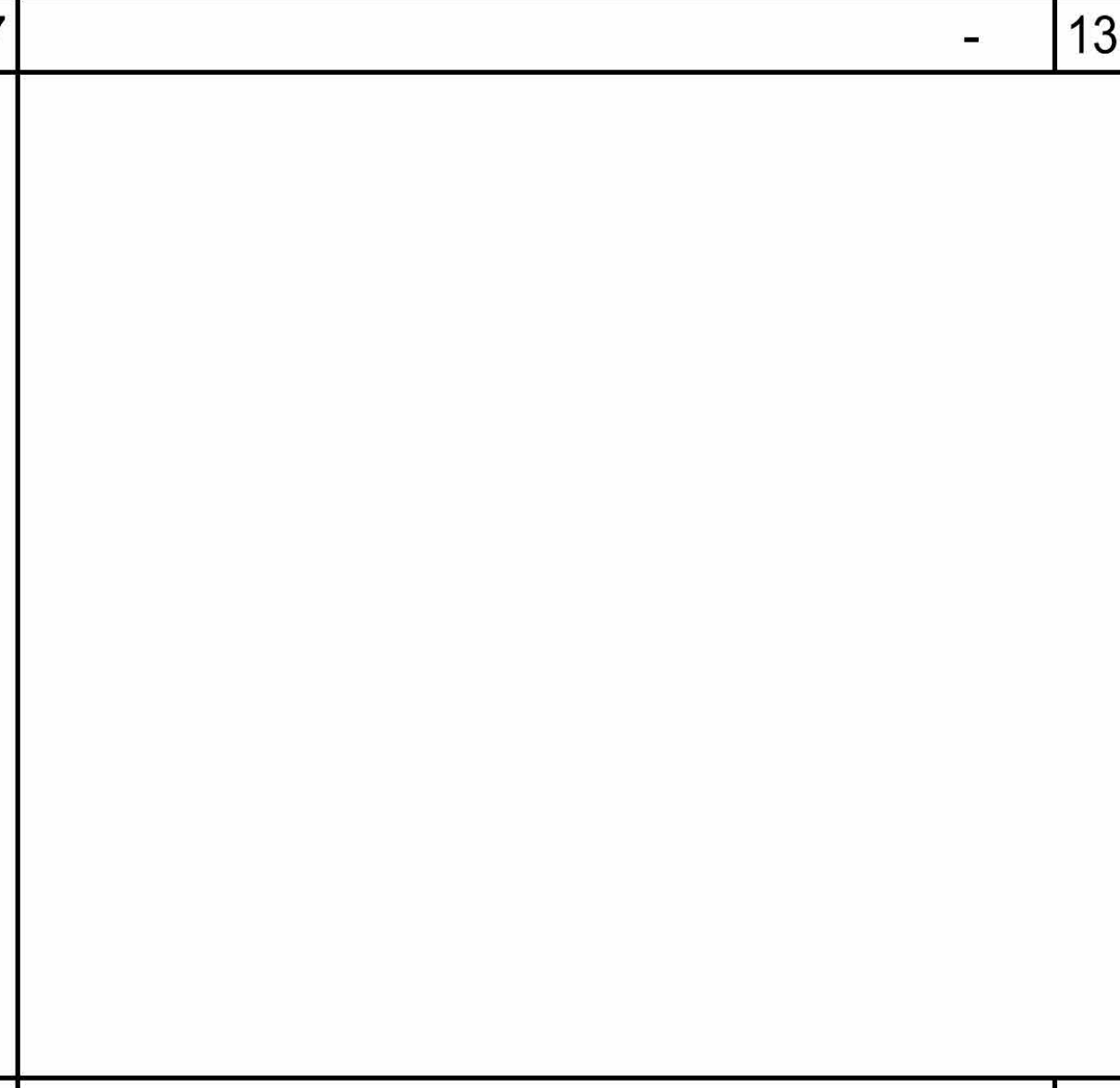
PROJECT NAME LOCATION OWNER

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CITY OF COMPTON COMMUNITY SERVICES

- 18



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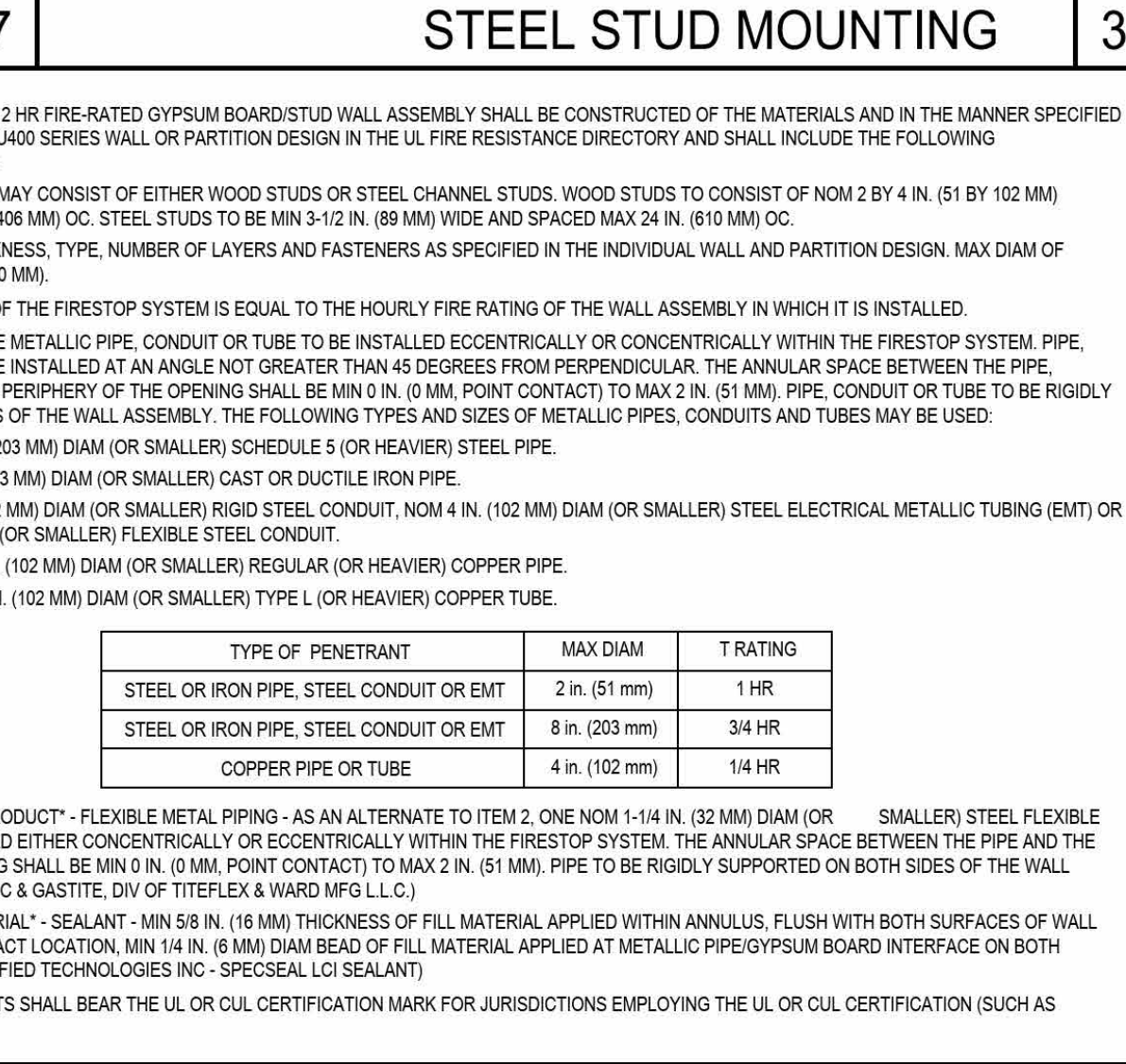
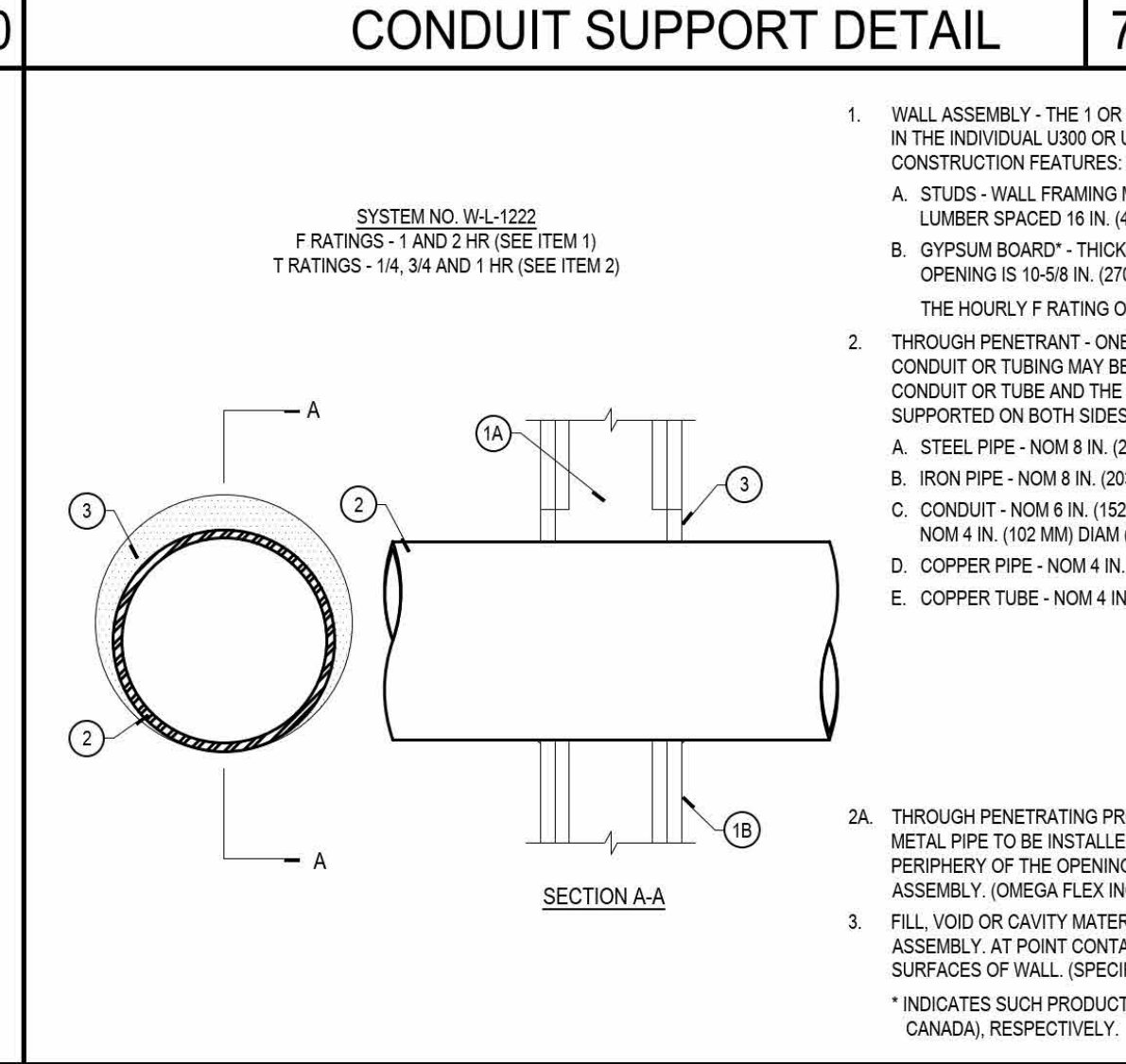
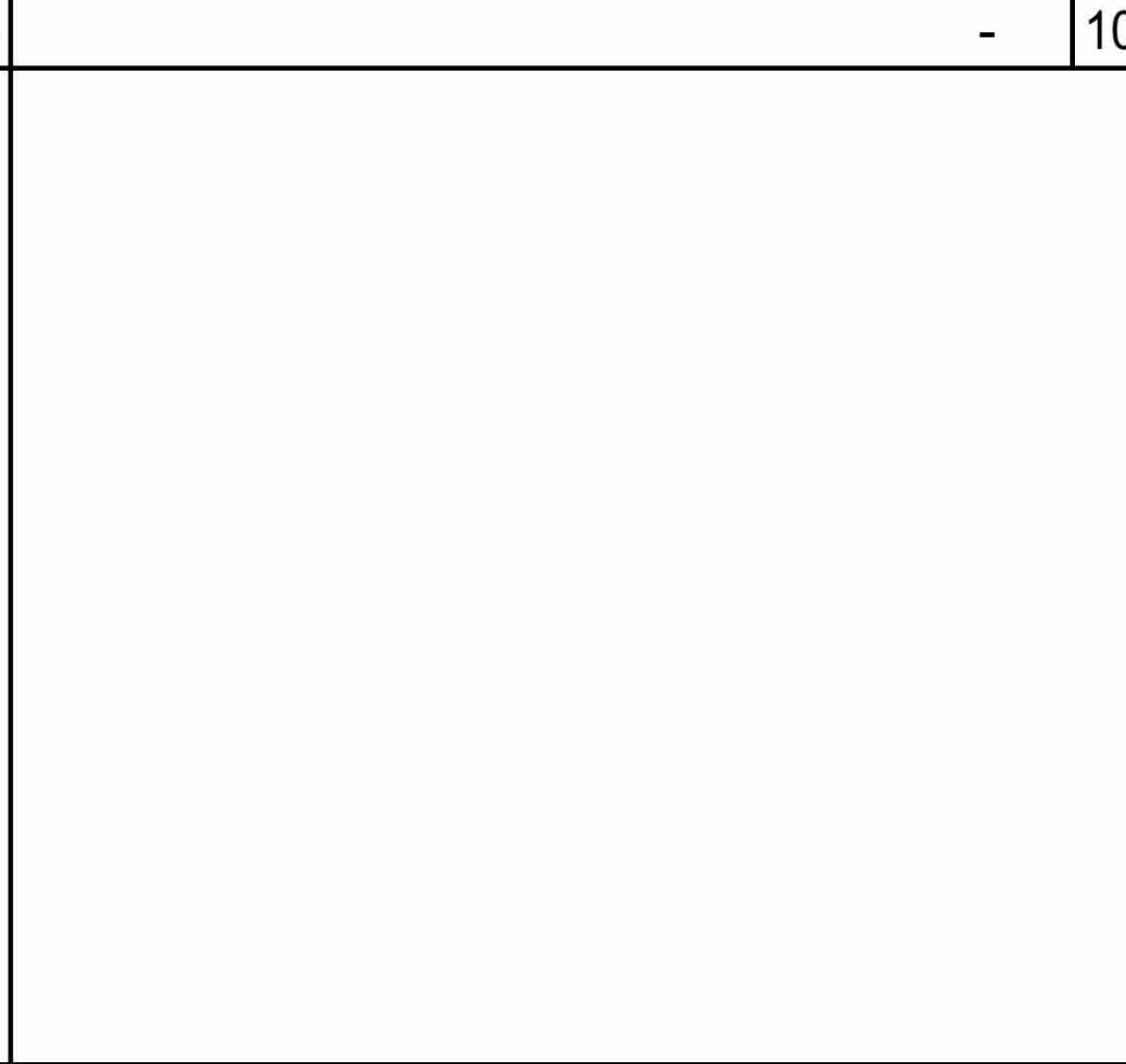
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REVISION SCHEDULE

REVISION NUMBER DATE

- 19

- 15



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SHEET NAME

ELECTRICAL DETAILS

SHEET NUMBER

E-02.1