

NO.	BY:	REVISION COMMENTS			APPROVED BY:
				CITY OF CALEXICO	
				Community Development Department	
				ENGINEERING DIVISION	
			CALEXICO	608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	
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			Tonese Chageran Dear Treacorrace		ENGINEER

# CITY OF CALEXICO IMPERIAL COUNTY, CALIFORNIA CONSTRUCTION PLANS FOR

# **CALEXICO INTERMODAL TRANSPORTATION CENTER MARCH 2022**

## **GENERAL NOTES (CON'T)**

CITY OF CALEXICO APPROVED PLANS WILL TAKE PRECEDENCE. ENCROACHMENT PERMIT WILL

2. THE STRUCTURAL PAVEMENT SECTION SHALL BE IN ACCORDANCE WITH CITY OF CALEXICO STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE PUBLIC WORKS

3. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF

4. ALL PROPOSED NEW UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB,

5. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON

LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.

NO LESS THAN 7 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE

- CITY OF CALEXICO ENGINEERING DEPARTMENT (760) 768-2100 - CITY OF CALEXICO GENERAL SERVICES DEPARTMENT (760) 768-2160 - IMPERIAL IRRIGATION DISTRICT (IID) (POWER) (760) 339-9280

- SOUTHERN CALIFORNIA GAS CO. (800) 422-4133/(800) 227-2600

BEFORE EXCAVATING FOR THIS CONTRACT. VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.

CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY FACILITIES SHOWN HEREON AND ANY OTHER EXISTING FACILITIES NOT OF RECORD OR NOT

ACCURATE VERIFICATION AS TO SIZE. LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE CITY OF CALEXICO. THE SOUTHERN CALIFORNIA GAS COMPANY. AT&T TELEPHONE COMPANY. IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES. ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF

CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE CITY OF CALEXICO DEPARTMENT OF DEVELOPMENT SERVICES FOR ANY EXCAVATION OR CONSTRUCTION WITHIN CITY OF CALEXICO ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED, AT 811, TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. ALL WORK

11. NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE CITY OF CALEXICO ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE

DATE\_\_\_

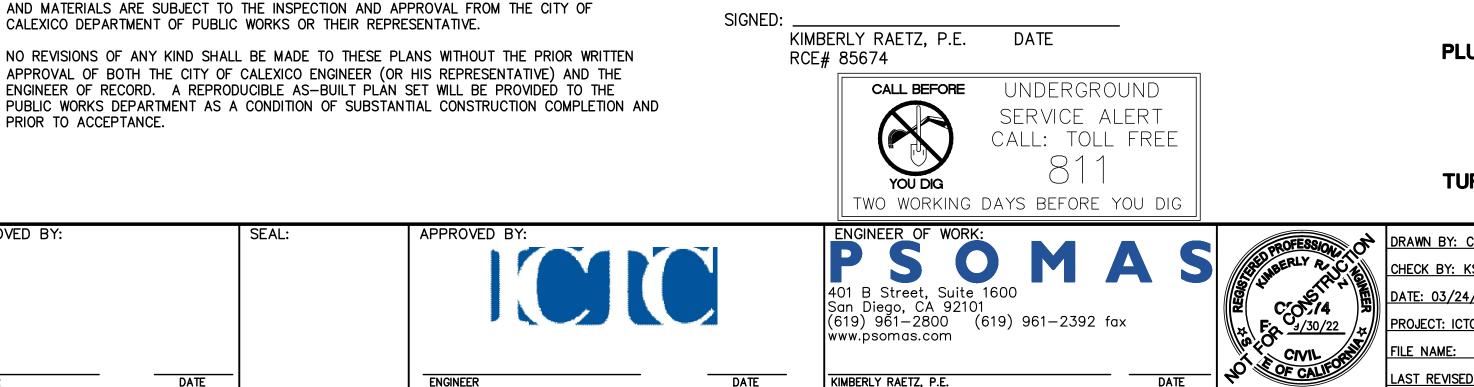
- 12. ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE CITY OF CALEXICO DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY OTHER REFERENCED STANDARDS OR SPECIFICATIONS AND THE SPECIFICATIONS AND REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF THE CITY OF CALEXICO; WHERE, OR IF, CONFLICTS OCCUR, THE CITY OF CALEXICO REQUIREMENTS SHALL GOVERN.
- 13. IF NECESSARY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
- 14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. CONTACT "STATE WATER RESOURCES CONTROL BOARD. DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT. P.O. BOX 1977, SACRAMENTO, CALIFORNIA 95812.
- 15. CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- 16. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE CITY OF CALEXICO ENGINEER.
- 17. ANY EXISTING SURVEY MONUMENTS OR CITY OF CALEXICO RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND TO THE SATISFACTION OF THE CITY OF CALEXICO ENGINEER/GENERAL SERVICES DIRECTOR. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.
- 18. THE NOTES LISTED ABOVE ARE A MINIMUM LIST. THIS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH ADDITIONAL NOTES THAT ARE SHOWN OR REFERENCED HEREIN.
- 19. CONTRACTOR SHALL COORDINATE WITH ADJACENT LANDOWNER FOR TRAFFIC CONTROL WITHIN AFFECTING ADJACENT LOTS.
- 20. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY FOR INSTALLATION OF ONSITE GAS LINE AND METER. CONTRACTOR IS RESPONSIBLE FOR ALL COST TO PROVIDE GAS SERVICE.
- 21. UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2018". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.

## DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CALEXICO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

KIMBERLY RAETZ, P.E. PSOMAS 401 B STREET, SUITE 1600 SAN DIEGO, CALIFORNIA 92101 (619) 961-2800



SHEET IND	<u>EX:</u>		
C1.0			
C1.1 C2.0 TO C2. <sup>7</sup>	• •	ABBREVIATIONS & LEGEND	
C3.0 TO C3. <sup>4</sup> C4.0 TO C4. <sup>4</sup>			
C4.2	HORIZONTAL CONTROL DATA 1		
C5.0 C6.0 TO C6.			
ARCHITECTU	RAL		
A—001 A—002			
A-010	CODE INFORMATION		
A-013 A-051	TYP. MOUNTING HEIGHT AND A	ACCESSIBILITY DETAILS	
A-052 A-053		EGULATORY SIGNAGE	
A–100 A–111	ARCHITECTURAL SITE PLAN		
A-112	BUILDING – RCP		
A—113 A—121		NS	
A-123 A-124			
A-211	BUILDING - ELEVATIONS		
A-212 A-311			
A-312 A-321		AND SECTIONS	
A-322	BUS CANOPY - DETAILS	AND SECTIONS	
A-331 A-400		AND ELEVATIONS	
A-401 A-451			
A-452	TRELLIS AND SHADE CANOPY		
A—500 A—541	INTERIOR DETAILS		
A-543 A-550			
A-600	FINISH SCHEDULE AND LEGENE	)	
A—601 A—610		ER SCHEDULES, LEGEND AND GENERAL	NOTES
A—611 A—711		ER DETAILS	
A-712 A-713	BUILDING FINISH RCP		
LANDSCAPE	BUILDING AND BUS CANOPT P		
LANDSCAFE L-01	LANDSCAPE TITLE SHEET		
L-02 TO L- L-04		AND FINISH SCHEDUILE	
L-05	HARDSCAPE NOTES AND LEGE		
L-06 TO L- L-12 TO L-			
L—15 L—16		S	
L-17 TO L-	19 IRRIGATION DETAILS		
L-20 TO L- L-23	PLANT LIST AND PLANTING NO	DTES	
L-24			
STRUCTURAL S-0.1 TO S-			
S–1.1			
S–1.2 S–1.3		OTINGS	
S-1.4 TO S- S-2.1			
S-2.2	CANOPY FOUNDATION AND RO	OF FRAMING PLAN	
S-3.1 S-3.2	HIGH ROOF FRAMING PLAN		
S-4.1 TO S- S-5.1	-4.2 FOUNDATION DETAILS FRAMING DETAILS		
S-6.1 TO S-			
ELECTRICAL			
E0.1 E0.2	•		
E0.3 E0.4	•	CALC, PANEL AND LIGHTING SCHEDULES	
E0.5	T–24 COMPLIANCE FORMS (OU	JTDOOR)	
E0.6 E1.1		– OUTDOOR	
E1.2 E1.3	OVERALL LIGHTING PLAN		
E2.1	ENLARGED LIGHTING PLAN		
E2.2 E2.3		JNICATION PLAN	
E3.1 E3.2	ELECTRICAL DETAILS		
MECHANICAL			
M0.1		ND, SHEET INDEX, AND SCOPE OF WORK	<
M0.2 TO M0. M1.1			
M2.1 TO M2.	2 MECH. FLOOR PLAN		
M4.1 M4.2 TO M4.			
M5.1	MECH. SCHEDULES		
PLUMBING			
P0.1 P0.2	PLUMB. SCHEDULES	ES, LEGEND AND SHEET INDEX	
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T1.0 TO T1.2		NCE ONLY - NOT FOR CONSTRUCTION)	C1.0
	PROJECT DESCRIPTION:	SHEET TITLE:	
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3Y: KSR	CALEXICO INTERMODAL	TITLE SHEET, VICINITY MAP	1
<u>3/24/22</u>	TRANSIT CENTER		OF
		GENERAL NOTES	
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## SPECIAL NOTES

- . ALL EXISTING IMPROVEMENTS INCLUDING A.C. BERM, A.C. OR P.C.C. PAVING, WHICH ARE BEING JOINED OR MATCHED IN CONNECTION WITH THIS PROJECT SHALL BE JOINED OR MATCHED IN A MANNER SATISFACTORY TO THE CITY ENGINEER INCLUDING NECESSARY SAWCUTTING, REMOVAL, REPLACEMENT AND CAPPING
- 2. THE CONTRACTOR SHALL DESIGN, PLACE AND MAINTAIN ALL SAFETY DEVICES INCLUDING SHORING AND BARRICADING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. THE CONTRACTOR IS REFERRED TO SECTION 5-7 "SAFETY" OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 3. ANY CONTRACTOR PERFORMING WORK ON THE PROJECT SITE SHALL FAMILIARIZE SELF WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM OPERATIONS. THE CONTRACTOR IS REFERRED TO SECTION 400 "PROTECTION AND RESTORATION" OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ACCESS FOR FIRE AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES DURING PROJECT CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL MEASURES THROUGHOUT THE DURATION OF PROJECT CONSTRUCTION. PROJECT SITE MAINTENANCE SHALL CONFORM TO SECTION 3-12 "WORK SITE MAINTENANCE" OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 6. ALL DISTANCES AND DIMENSIONS SHOWN ON THE PLANS ARE IN A HORIZONTAL PLANE UNLESS OTHERWISE NOTED.
- APPROVAL OF THESE PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT LIMITS OF WORK.
- 8. LOCATION AND ELEVATION OF IMPROVEMENTS SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF NECESSARY BECAUSE OF DISCREPANCIES.
- NEITHER THE CITY OF CALEXICO, NOR THE ENGINEER OF WORK, WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND **REGULATIONS.**
- 10. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 11. THE ENGINEER OF WORK SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NOR SHALL HEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK OR THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR OR SUBCONTRACTORS OR THEIR RESPECTIVE EMPLOYEES OR BY ANY OTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEER'S EMPLOYEES.

## PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS. AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND. INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

## TRAFFIC CONTROL PLAN NOTE

IT IS RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT THE TRAFFIC CONTROL PLAN FOR THIS PROJECT AT THE TIME OF REQUEST OF THE CITY OF CALEXICO ENCROACHMENT PERMIT

## STANDARD SPECIFICATIONS

- 1. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION.
- 2. CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, 2018 EDITION.
- 3. CALEXICO CITY ENGINEERING STANDARDS.
- COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DESIGN GUIDELINES MANUAL, PREPARED 2002, REVISED 2004.

### AGENCY CONTACTS

**CALTRANS** 4050 TAYLOR STREET SAN DIEGO, CA 92110 PHONE: (619) 688-6158 FAX: (619) 688-6157

### **IMPERIAL IRRIGATION** DISTRICT ENERGY DEPARTMENT 333 E. BARIONI BLVD. IMPERIAL, CA. 92251 PHONE: 760-335-3640 FAX: 760-339-9471

**TELEPHONE** AT&T PHONE: 1-800-750-2355

SOUTHERN CALIFORNIA

GAS COMPANY CONTACT: ENRIQUE CUEVAS 602 E. ROSS ROAD, SC8054 EL CENTRO, CA 92243-1515 PHONE: 760-370-5812 FAX: 760-352-5721

TIME WARNER CABLE PHONE: (888) 892-2253

CITY OF CALEXICO CONTACT: LILLIANA FALOMIR 608 HEBER AVENUE CALEXICO, CA 92231 PHONE: 760-768-2100 FAX: 760-768-0854 EMAIL: FALOMIRL@CALEXICO.CA.GOV FIRE CONTACT: F. VILLA CALEXICO FIRE DEPARTMENT 415 FOURTH STREET CALEXICO, CA. 92231 PHONE: 760-768-2150 EMAIL: FVILLA@CALEXICO.CA.GOV POLICE CALEXICO POLICE DEPARTMENT 420 E. FIFTH STREET CALEXICO, CA. 92231 PHONE: 760-768-2140 EMAIL: POLICE@CALEXICO.CA.GOV CITY OF CALEXICO UTILITY SERVICE DEPARTMENT

WATER: 760-768-2160 SEWER: 760-768-2160 GENERAL SERVICES: 760-768-2160

## **EXISTING CONDITIONS LEGEND**

**ITEM** 

PROPERTY / BOUNDARY LINE PROPERTY / BOUNDARY LINE CENTER LINE EXIST OVERHEAD ELECTRICAL EXIST GAS LINE EXIST UNDERGROUND TELEPHONE LINE EXIST ELECTRICAL UNDERGROUND LINE EXIST ELECTRICAL/CATV OVERHEAD LINE EXIST FENCE LINE EXIST FIRE HYDRANT EXIST PALM TREE EXIST TREE EXIST MAILBOX EXIST SEWER MANHOLE EXIST STORM DRAIN MANHOLE EXIST POWER POLE EXIST SIGN EXIST ELECTRICAL PULL BOX EXIST BOLLARD EXIST PAYPHONE EXIST CATCH BASIN EXIST WATER VALVE EXIST PARKING METER EXIST WATER METER EXIST ROOF DRAIN EXIST SEWER CLEAN OUT EXIST FIRE SERVICE CONNECTION EXIST SEWER LINE EXIST STORM DRAIN EXIST STREET LIGHT EXIST LIGHT STANDARD EXIST HANDICAP PARKING EXIST POST/POLE EXIST DRAIN INLET EXIST WATER VALVE EXIST WATER LINE EXIST WATER METER EXIST SPOT ELEVATION EXIST TOPO CONTOUR EXIST CURB & GUTTER EXIST SIDEWALK EXIST CONCRETE EDGE EXIST RETAINING WALL EXIST BUILDING FOOT PRINT LINE

EXIST BULD OUTLINE/OVERHANG

## ESTIMATED EARTHWORK QUANTITIES

EXCAVATION	5,290	CY	(EXCAVATE/REMOVE EXIST PAVEMENTS & SOILS)
FILL	275	CY	
EXPORT	5,015	CY	(EXCAVATE/REMOVE EXIST PAVEMENTS & SOILS)

EARTHWORK QUANTITIES SHOWN ARE ESTIMATED & ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PERFORM THEIR OWN INDEPENDENT EARTHWORK QUANTITY CALCULATIONS.

### SWPPP NOTE

CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT. THE SWPPP MUST BE PREPARED BY A QUALIFIED SWPPP DEVELOPER (QSD) AND SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL THEN SUBMIT THE SWPPP TO THE STATE SMARTS SYSTEM. CONTRACTOR MUST MAINTAIN THE SERVICE OF A QUALIFIED SWPPP PRACTITIONER (QSP) DURING WORK OPERATIONS TO MONITOR THE WORK AND PROVIDE REQUIRED REPORTING INTO SMARTS.

NO.	BY:	REVISION COMMENTS			APPROVED BY:	SEAL:
				CITY OF CALEXICO		
				COMMUNITY DEVELOPMENT DEPARTMENT		
				ENGINEERING DIVISION		
			CALEXICO	608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854		
			<b>LUTTUILO</b>	engineering@calexico.ca.gov • www.calexico.ca.gov		
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### AB AGGREGATE BASE ABAND ABANDONED AC ASPHALTIC CONCRETE ACP ASBESTOS CEMENT PIPE APPROX APPROXIMATE ASPH ASPHALT AVV AIR VACUUM VALVE BOV BLOW-OFF VALVE BFV BUTTERFLY VALVE C&G CURB AND GUTTER CATV CABLE TELEVISION CENTERLINE C.L CHAIN LINK CLR CLEAR CAST IRON CO CLEANOUT CONC CONCRETE DUCTILE IRON DIA DIAMETER D/W DRIVEWAY DWG DRAWING EAST ELECTRICAL ELEVATION EXISTING FIRE HYDRAN1 FLANGED JOIN1 FLOW LINE FIBER OPTIC FEET GAS GATE VALVE GV HORIZONTAL HORI HP HIGH PRESSURE IMPERIAL COUNTY TRANSPORTATION COMMISSION ICTC INVERT ELEVATION IMPERIAL IRRIGATION DISTRICT POUND LINEAL FEET LIP OF GUTTER LIGHT POLE **MECHANICAL** MANHOLE MECHANICAL JOINT MINIMUM NORTH OVERHEAD PROPERTY LINE P/L PRESSURE RATING POUNDS PER SQUARE INCH PSI POLYVINYL CHLORIDE PVC RPBF REDUCED PRESSURE BACKFLOW PREVENTER RIGHT OF WAY R/W SLOPE SOUTH SANITARY SEWER STORM DRAIN SEWER MANHOLE SMH STATION STA STANDARD STD TELEPHONE TOPO GRAPHIC TOPO TYPICAL TYP UNKNOWN UNK VITRIFIED CLAY PIPE VCP VERTICAL VERT WATER WEST W/

**ABBREVIATIONS** 

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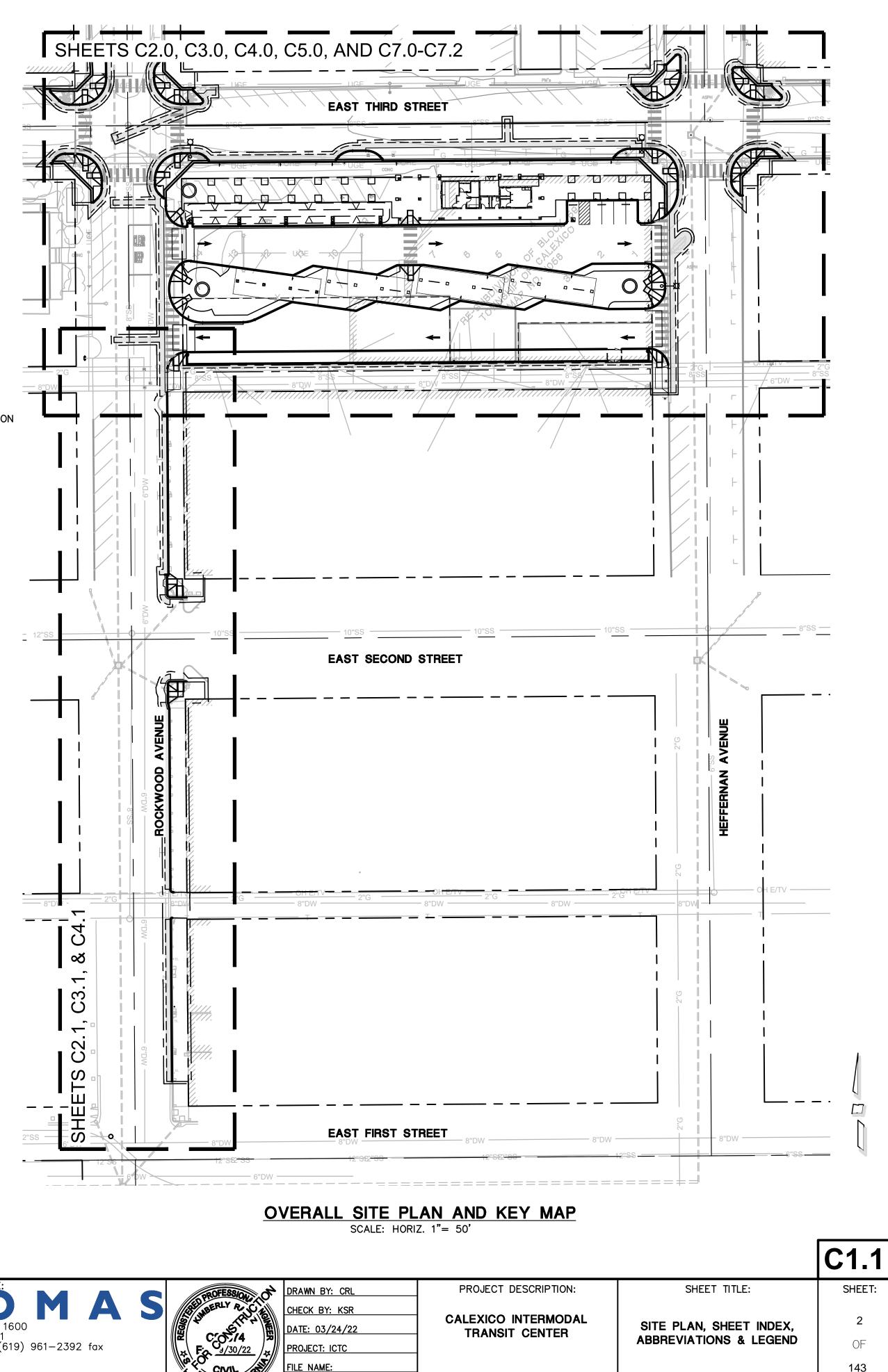
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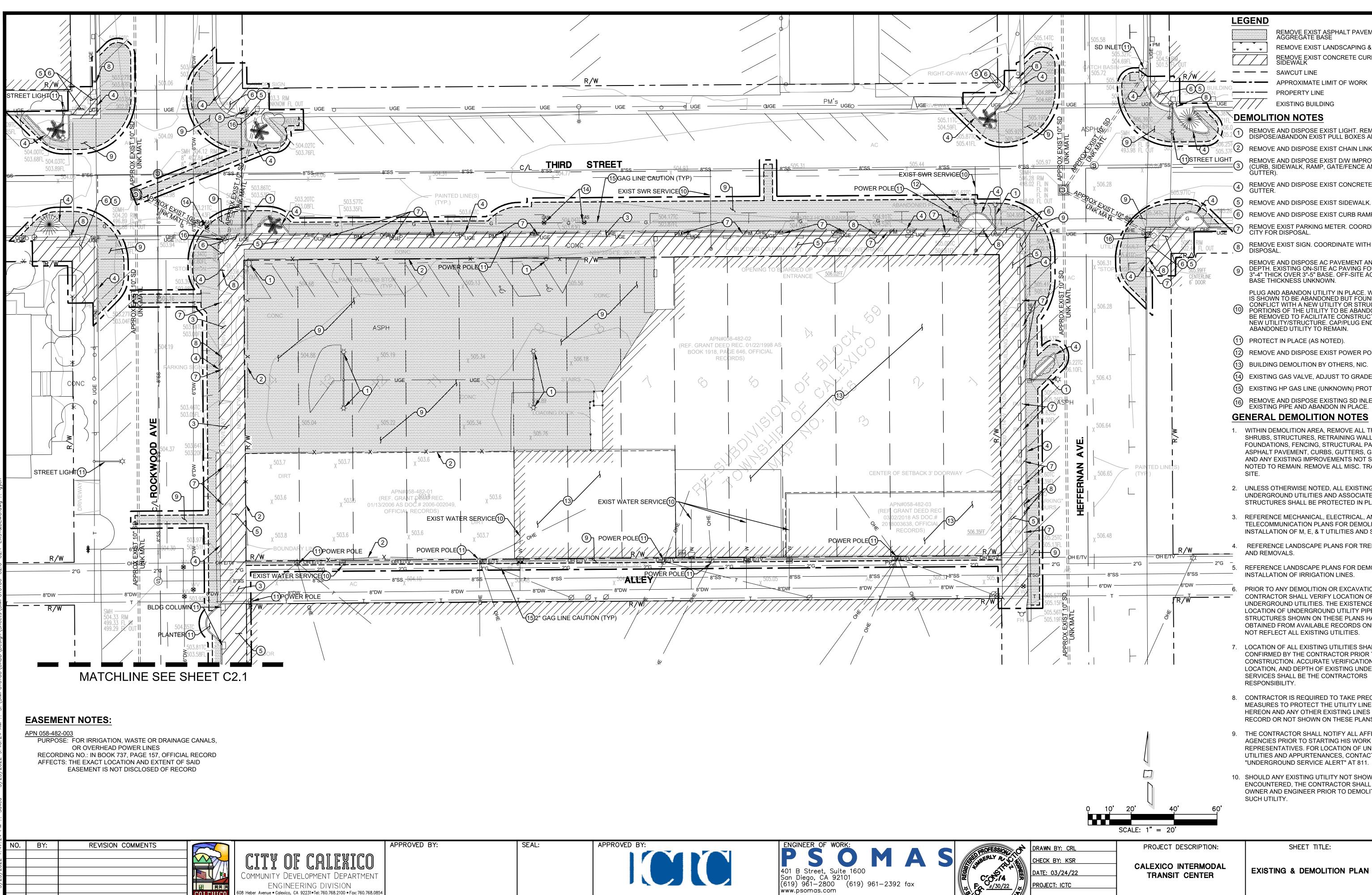
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SD





401 B Street, Suite 1600 San Diego, CA 92101 (619) 961-2800 (619) 961-2392 fax www.psomas.com ILE NAME: CIVI AST REVISED: KIMBERLY RAETZ, P.E. DATE



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CALEXICO					

engineering@calexico.ca.gov • www.calexico.ca.gov

APPROVED	BY:	

ENGINEER





REMOVE EXIST ASPHALT PAVEMENT AND AGGREGATE BASE **REMOVE EXIST LANDSCAPING & IRRIGATION** REMOVE EXIST CONCRETE CURB, GUTTER & SIDEWALK

----- APPROXIMATE LIMIT OF WORK

- EXISTING BUILDING

## **DEMOLITION NOTES**

REMOVE AND DISPOSE EXIST LIGHT. REMOVE AND DISPOSE/ABANDON EXIST PULL BOXES AND CONDUIT.

REMOVE AND DISPOSE EXIST CHAIN LINK FENCE/GATE REMOVE AND DISPOSE EXIST D/W IMPROVEMENTS

(CURB, SIDEWALK, RAMP, GATE/FENCE AND CROSS - (4) REMOVE AND DISPOSE EXIST CONCRETE CURB AND GUTTER.

- (6) REMOVE AND DISPOSE EXIST CURB RAMP.
- REMOVE EXIST PARKING METER. COORDINATE WITH
- REMOVE EXIST SIGN. COORDINATE WITH CITY FOR DISPOSAL.
- REMOVE AND DISPOSE AC PAVEMENT AND BASE, FULL DEPTH. EXISTING ON-SITE AC PAVING FOUND TO BE 3"-4" THICK OVER 3"-5" BASE. OFF-SITE AC PAVING AND BASE THICKNESS UNKNOWN.

PLUG AND ABANDON UTILITY IN PLACE. WHERE UTILITY IS SHOWN TO BE ABANDONED BUT FOUND TO BE IN CONFLICT WITH A NEW UTILITY OR STRUCTURE PORTIONS OF THE UTILITY TO BE ABANDONED SHALI BE REMOVED TO FACILITATE CONSTRUCTION OF THE NEW UTILITY/STRUCTURE. CAP/PLUG ENDS OF ABANDONED UTILITY TO REMAIN.

- (11) PROTECT IN PLACE (AS NOTED).
- (12) REMOVE AND DISPOSE EXIST POWER POLE (AS NOTED)
- (13) BUILDING DEMOLITION BY OTHERS, NIC.
- (14) EXISTING GAS VALVE, ADJUST TO GRADE.
- (15) EXISTING HP GAS LINE (UNKNOWN) PROTECT IN PLACE
- (16) REMOVE AND DISPOSE EXISTING SD INLET. CAP EXISTING PIPE AND ABANDON IN PLACE.

## **GENERAL DEMOLITION NOTES**

- WITHIN DEMOLITION AREA, REMOVE ALL TREES, ROOTS SHRUBS, STRUCTURES, RETRAINING WALLS, FOUNDATIONS, FENCING, STRUCTURAL PAVEMENT ASPHALT PAVEMENT, CURBS, GUTTERS, GROUND COVER AND ANY EXISTING IMPROVEMENTS NOT SPECIFICALLY NOTED TO REMAIN. REMOVE ALL MISC. TRASH FROM
- 2. UNLESS OTHERWISE NOTED, ALL EXISTING UNDERGROUND UTILITIES AND ASSOCIATED STRUCTURES SHALL BE PROTECTED IN PLACE.
- 3. REFERENCE MECHANICAL, ELECTRICAL, AND TELECOMMUNICATION PLANS FOR DEMOLITION AND INSTALLATION OF M, E, & T UTILITIES AND STRUCTURES.

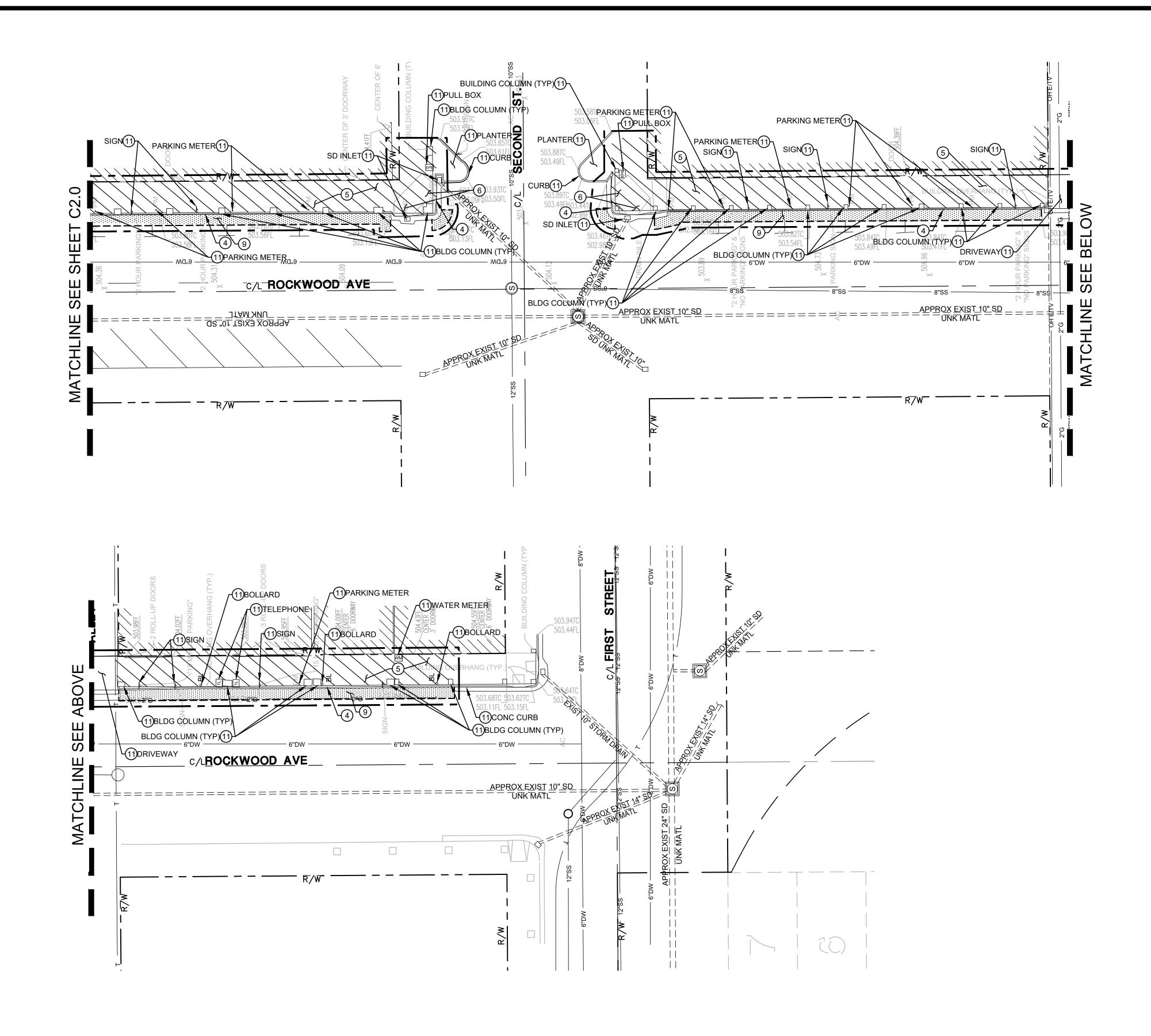
REFERENCE LANDSCAPE PLANS FOR TREE PROTECTION

5. REFERENCE LANDSCAPE PLANS FOR DEMOLITION AND INSTALLATION OF IRRIGATION LINES.

PRIOR TO ANY DEMOLITION OR EXCAVATION, CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES.

- 7. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS
- 8. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- 9. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.
- 10. SHOULD ANY EXISTING UTILITY NOT SHOWN HEREON BE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO DEMOLITION OF

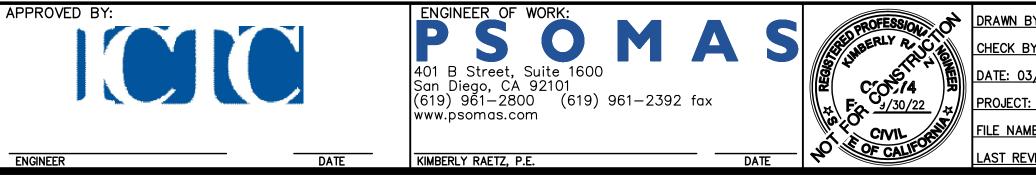
	C2.0
SHEET TITLE:	SHEET:
EXISTING & DEMOLITION PLAN	3
	OF
	143

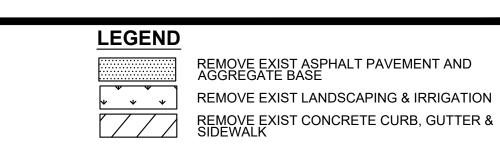


SEAL:

ENGINEER







— — — SAWCUT LINE ----- APPROXIMATE LIMIT OF WORK

PROPERTY LINE \_\_\_\_

EXISTING BUILDING

## **DEMOLITION NOTES**

- 1 REMOVE AND DISPOSE EXIST LIGHT. REMOVE AND DISPOSE/ABANDON EXIST PULL BOXES AND CONDUIT.
- 2 REMOVE AND DISPOSE EXIST CHAIN LINK FENCE/GATE
- 3 REMOVE AND DISPOSE EXIST D/W IMPROVEMENTS (CURB, SIDEWALK, RAMP, GATE/FENCE AND CROSS GUTTER).
- (4) REMOVE AND DISPOSE EXIST CONCRETE CURB AND GUTTER.
- 5 REMOVE AND DISPOSE EXIST SIDEWALK.
- (6) REMOVE AND DISPOSE EXIST CURB RAMP.
- REMOVE EXIST PARKING METER. COORDINATE WITH CITY FOR DISPOSAL.
- 8 REMOVE EXIST SIGN. COORDINATE WITH CITY FOR DISPOSAL.
- REMOVE AND DISPOSE AC PAVEMENT AND BASE, FULL 9 DEPTH. EXISTING ON-SITE AC PAVING FOUND TO BE 3"-4" THICK OVER 3"-5" BASE. OFF-SITE AC PAVING AND BASE THICKNESS UNKNOWN.

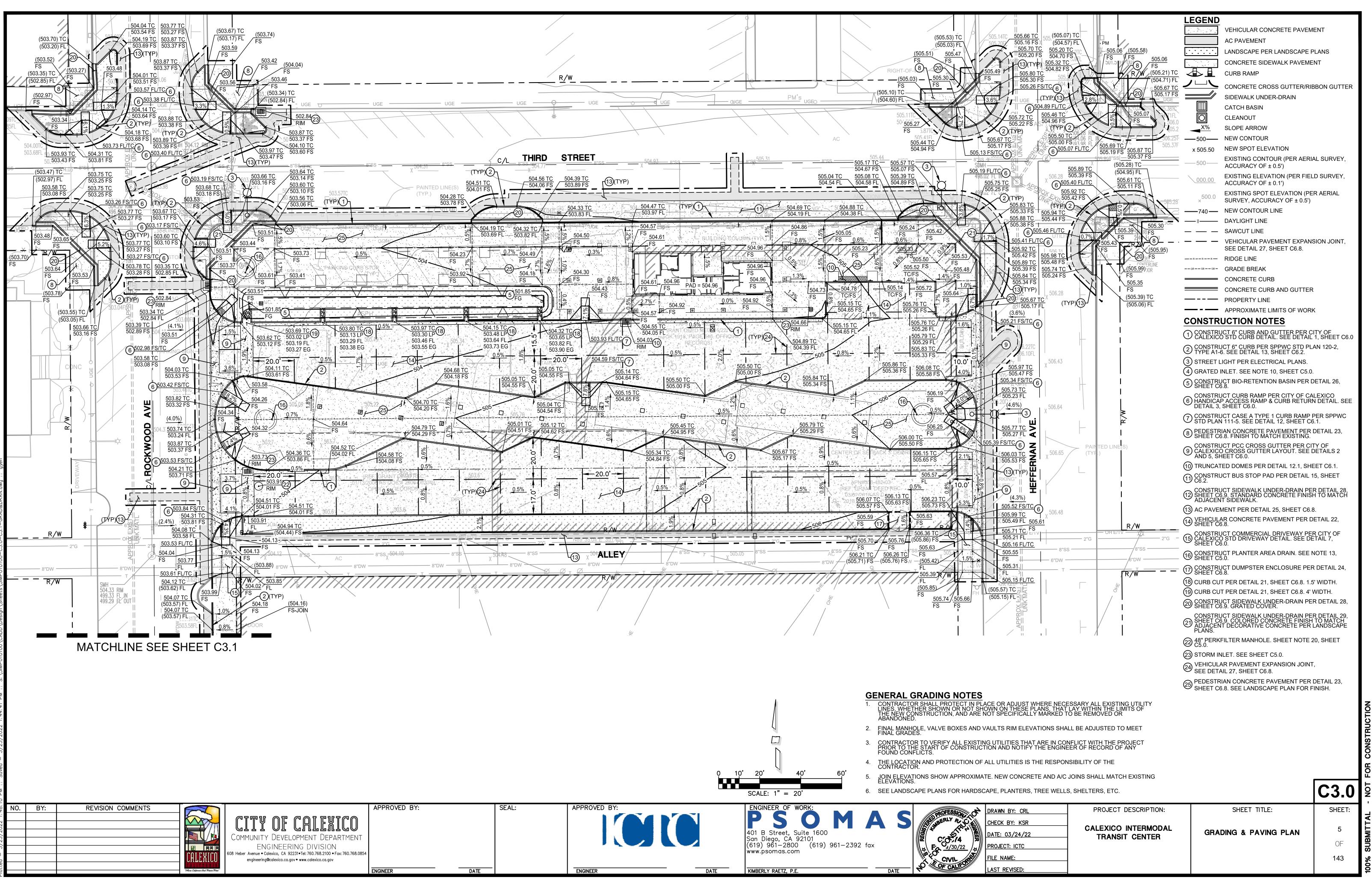
PLUG AND ABANDON UTILITY IN PLACE. WHERE UTILITY IS SHOWN TO BE ABANDONED BUT FOUND TO BE IN CONFLICT WITH A NEW UTILITY OR STRUCTURE (10) PORTIONS OF THE UTILITY TO BE ABANDONED SHALL BE REMOVED TO FACILITATE CONSTRUCTION OF THE NEW UTILITY/STRUCTURE. CAP/PLUG ENDS OF

- ABANDONED UTILITY TO REMAIN. (1) PROTECT IN PLACE (AS NOTED).
- (12) REMOVE AND DISPOSE EXIST POWER POLE (AS NOTED)
- (13) BUILDING DEMOLITION BY OTHERS, NIC.
- (14) EXISTING GAS VALVE, ADJUST TO GRADE.
- (15) EXISTING HP GAS LINE (UNKNOWN) PROTECT IN PLACE.
- (16) REMOVE AND DISPOSE EXISTING SD INLET. CAP EXISTING PIPE AND ABANDON IN PLACE.

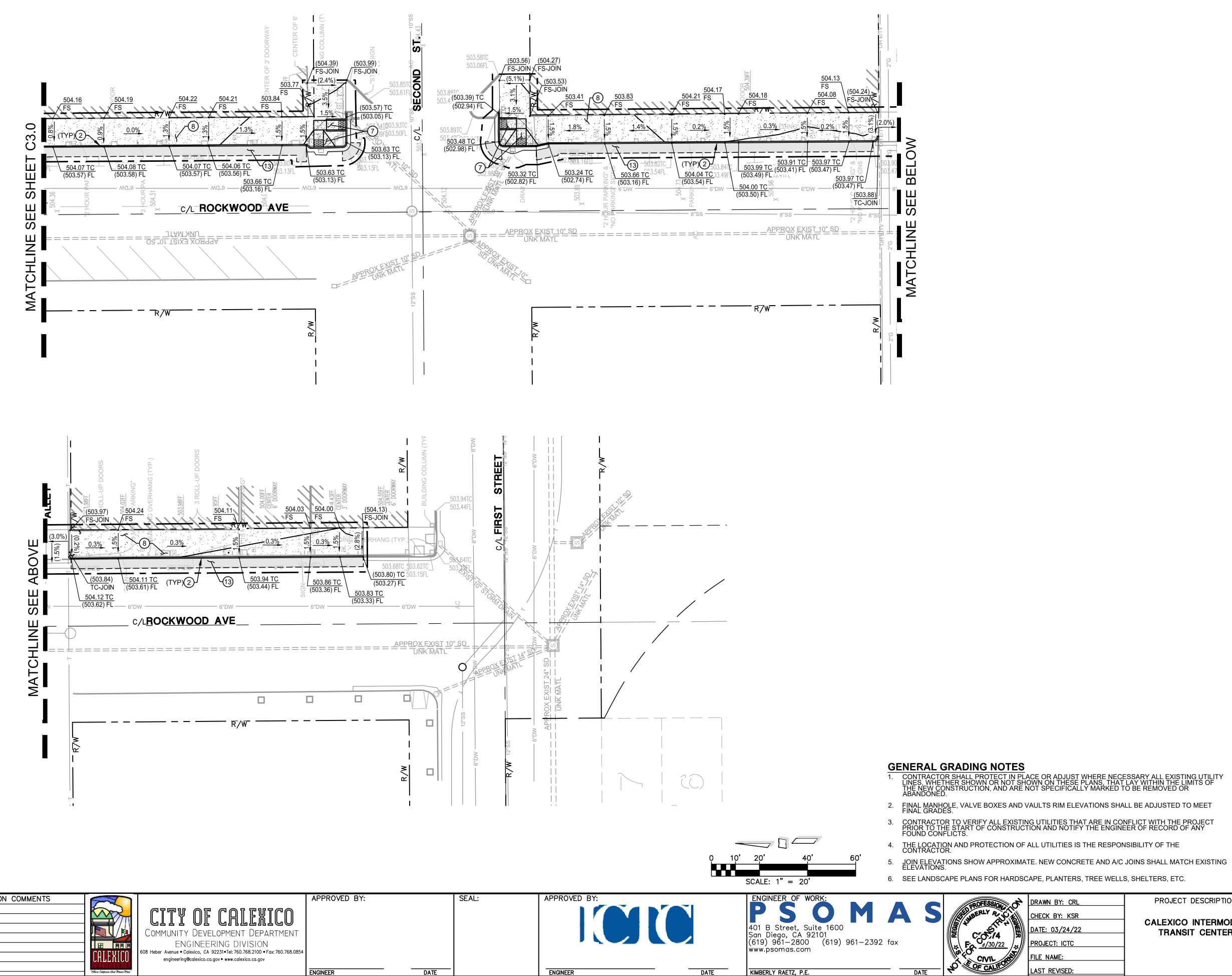
## **GENERAL DEMOLITION NOTES**

- 1. WITHIN DEMOLITION AREA, REMOVE ALL TREES, ROOTS, SHRUBS, STRUCTURES, RETRAINING WALLS, FOUNDATIONS, FENCING, STRUCTURAL PAVEMENT, ASPHALT PAVEMENT, CURBS, GUTTERS, GROUND COVER AND ANY EXISTING IMPROVEMENTS NOT SPECIFICALLY NOTED TO REMAIN. REMOVE ALL MISC. TRASH FROM SITE.
- 2. UNLESS OTHERWISE NOTED, ALL EXISTING UNDERGROUND UTILITIES AND ASSOCIATED STRUCTURES SHALL BE PROTECTED IN PLACE.
- 3. REFERENCE MECHANICAL, ELECTRICAL, AND TELECOMMUNICATION PLANS FOR DEMOLITION AND INSTALLATION OF M, E, & T UTILITIES AND STRUCTURES.
- 4. REFERENCE LANDSCAPE PLANS FOR TREE PROTECTION AND REMOVALS.
- 5. REFERENCE LANDSCAPE PLANS FOR DEMOLITION AND INSTALLATION OF IRRIGATION LINES.
- 6. PRIOR TO ANY DEMOLITION OR EXCAVATION, CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES.
- 7. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY.
- 8. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- 9. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.
- 10. SHOULD ANY EXISTING UTILITY NOT SHOWN HEREON BE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER PRIOR TO DEMOLITION OF SUCH UTILITY.

0 10'	20' 40' 60' SCALE: 1" = 20'		C2.1
BY: CRL	PROJECT DESCRIPTION:	SHEET TITLE:	SHEET:
8Y: KSR 3/24/22 : ICTC /E: VISED:	CALEXICO INTERMODAL TRANSIT CENTER	EXISTING & DEMOLITION PLAN	4 OF 143



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NO.	BY:	REVISION COMMENTS			APPROVED BY:	
				CITY OF CALEXICO		
				COMMUNITY DEVELOPMENT DEPARTMENT		
			CALEXICO	ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov		
			Where California Cout Physics Pites"	cingineering@calexico.cd.gov - www.calexico.cd.gov	ENGINEER	DATE

LEGEND	VEHICULAR CONCRETE PAVEMENT
	AC PAVEMENT
	LANDSCAPE PER LANDSCAPE PLANS
• • • • • • . · ·	CONCRETE SIDEWALK PAVEMENT
	CURB RAMP
	CONCRETE CROSS GUTTER/RIBBON GUTTER
	SIDEWALK UNDER-DRAIN
	CATCH BASIN
O	CLEANOUT
X%	SLOPE ARROW
<u> </u>	NEW CONTOUR
x 505.50	
500	EXISTING CONTOUR (PER AERIAL SURVEY, ACCURACY OF $\pm$ 0.5')
000.00	EXISTING ELEVATION (PER FIELD SURVEY, ACCURACY OF $\pm 0.1$ ')
× <sup>500.0</sup>	EXISTING SPOT ELEVATION (PER AERIAL SURVEY, ACCURACY OF ± 0.5')
110	
II	
	SAWCUT LINE VEHICULAR PAVEMENT EXPANSION JOINT,
	SEE DETAIL 27, SHEET C6.8.
——————————————————————————————————————	RIDGE LINE
— — GB — — GB — — GB —	
	CONCRETE CURB
	PROPERTY LINE
	APPROXIMATE LIMITS OF WORK
CONSTR	UCTION NOTES
	ICT 6" CURB AND GUTTER PER CITY OF STD CURB DETAIL. SEE DETAIL 1, SHEET C6.0
	ICT 6" CURB PER SPPWC STD PLAN 120-2.
	5. SEE DETAIL 13, SHEET C6.2. IGHT PER ELECTRICAL PLANS.
×	NLET. SEE NOTE 10, SHEET C5.0.
$\cup$	ICT BIO-RETENTION BASIN PER DETAIL 26, 3.8.
	ICT CURB RAMP PER CITY OF CALEXICO
OETAIL 3,	P ACCESS RAMP & CURB RETURN DETAIL. SEE SHEET C6.0.
	ICT CASE A TYPE 1 CURB RAMP PER SPPWC I 111-5. SEE DETAIL 12, SHEET C6.1.
	IAN CONCRETE PAVEMENT PER DETAIL 23, 5.8. FINISH TO MATCH EXISTING.
(9) CALEXICO	ICT PCC CROSS GUTTER PER CITY OF D CROSS GUTTER LAYOUT. SEE DETAILS 2 IEET C6.0.
	ED DOMES PER DETAIL 12.1, SHEET C6.1. ICT BUS STOP PAD PER DETAIL 15, SHEET
	ICT SIDEWALK UNDER-DRAIN PER DETAIL 28, 6.9. STANDARD CONCRETE FINISH TO MATCH T SIDEWALK.
	MENT PER DETAIL 25, SHEET C6.8.
	AR CONCRETE PAVEMENT PER DETAIL 22, 3.8.
	ICT COMMERCIAL DRIVEWAY PER CITY OF STD DRIVEWAY DETAIL, SEE DETAIL 7.
	ICT DUMPSTER ENCLOSURE PER DETAIL 24.
$\sim$	T PER DETAIL 21, SHEET C6.8. 1.5' WIDTH.
	T PER DETAIL 21, SHEET C6.8. 4' WIDTH.
20 CONSTRU SHEET CE	JCT SIDEWALK UNDER-DRAIN PER DETAIL 28, 3.9. GRATED COVER.
ର SHEET Ce	ICT SIDEWALK UNDER-DRAIN PER DETAIL 29, 3.9. COLORED CONCRETE FINISH TO MATCH T DECORATIVE CONCRETE PER LANDSCAPE
PLANS.	FILTER MANHOLE. SHEET NOTE 20, SHEET
$\sim$	ILET. SEE SHEET C5.0.
	AR PAVEMENT EXPANSION JOINT,
	AIL 27, SHEET C6.8. IAN CONCRETE PAVEMENT PER DETAIL 23,
	8.8. SEE LANDSCAPE PLAN FOR FINISH.
,	

DRAWN BY: CRL					
CHECK BY: KSR					
DATE: 03/24/22					
PROJECT: ICTC					
FILE NAME:					
AST REVISED:					

DATE

KIMBERLY RAETZ, P.E.

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

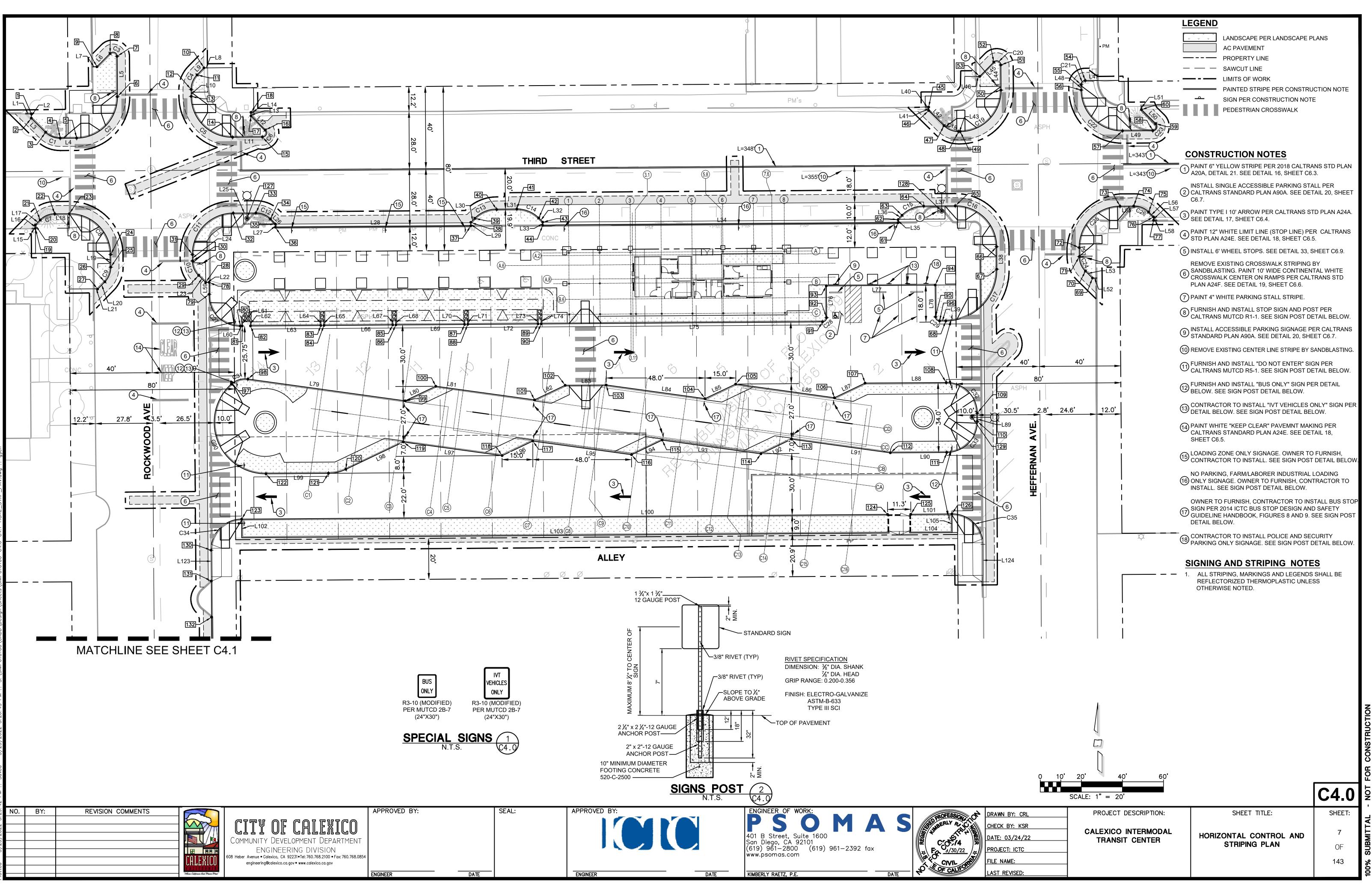
C3.'
SHEET:

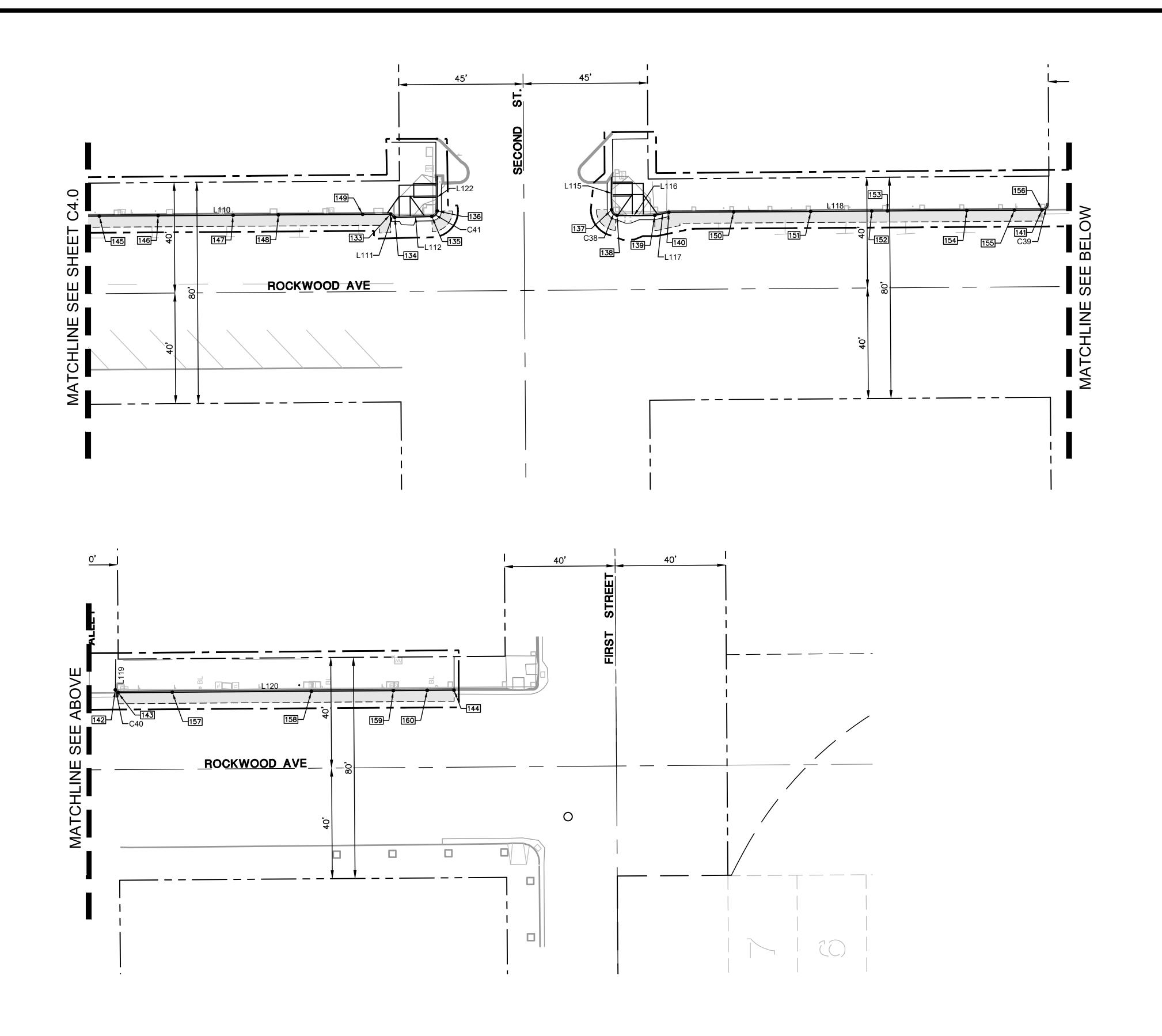
GRADING & PAVING PLAN

SHEET TITLE:

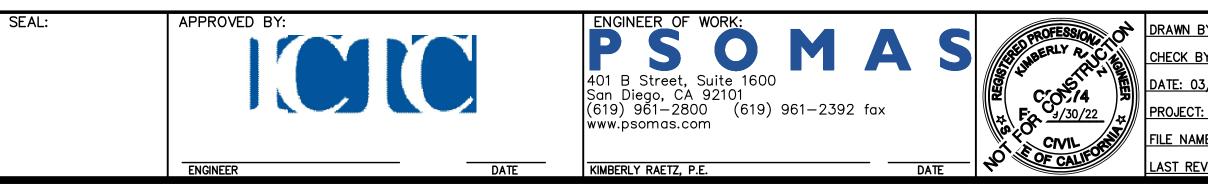
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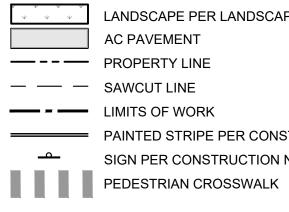




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י ז ע				CITY OF CALEXICO		
				Community Development Department		
				ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854		
			CALEXICO	engineering@calexico.ca.gov • www.calexico.ca.gov		
			"Where California Cent Mexico Maet"		ENGINEER	DATE



## LEGEND



LANDSCAPE PER LANDSCAPE PLANS AC PAVEMENT ---- PROPERTY LINE — — — SAWCUT LINE \_\_\_\_\_ LIMITS OF WORK PAINTED STRIPE PER CONSTRUCTION NOTE SIGN PER CONSTRUCTION NOTE

### **CONSTRUCTION NOTES**

- D PAINT 6" YELLOW STRIPE PER 2018 CALTRANS STD PLAN A20A, DETAIL 21. SEE DETAIL 16, SHEET C6.3.
- INSTALL SINGLE ACCESSIBLE PARKING STALL PER 2 CALTRANS STANDARD PLAN A90A. SEE DETAIL 20, SHEET C6.7.
- 3 PAINT TYPE I 10' ARROW PER CALTRANS STD PLAN A24A. SEE DETAIL 17, SHEET C6.4.
- PAINT 12" WHITE LIMIT LINE (STOP LINE) PER CALTRANS STD PLAN A24E. SEE DETAIL 18, SHEET C6.5.
- 5 INSTALL 6' WHEEL STOPS. SEE DETAIL 33, SHEET C6.9.
- REMOVE EXISTING CROSSWALK STRIPING BY 6 SANDBLASTING. PAINT 10' WIDE CONTINENTAL WHITE CROSSWALK CENTER ON RAMPS PER CALTRANS STD PLAN A24F. SEE DETAIL 19, SHEET C6.6.
- (7) PAINT 4" WHITE PARKING STALL STRIPE.
- 8 FURNISH AND INSTALL STOP SIGN AND POST PER CALTRANS MUTCD R1-1. SEE SIGN POST DETAIL BELOW.
- (9) INSTALL ACCESSIBLE PARKING SIGNAGE PER CALTRANS STANDARD PLAN A90A. SEE DETAIL 20, SHEET C6.7.
- 10 REMOVE EXISTING CENTER LINE STRIPE BY SANDBLASTING.
- 1 FURNISH AND INSTALL "DO NOT ENTER" SIGN PER CALTRANS MUTCD R5-1. SEE SIGN POST DETAIL BELOW.
- 12 FURNISH AND INSTALL "BUS ONLY" SIGN PER DETAIL BELOW. SEE SIGN POST DETAIL BELOW.
- (13) CONTRACTOR TO INSTALL "IVT VEHICLES ONLY" SIGN PER DETAIL BELOW. SEE SIGN POST DETAIL BELOW.
- 14 PAINT WHITE "KEEP CLEAR" PAVEMNT MAKING PER CALTRANS STANDARD PLAN A24E. SEE DETAIL 18, SHEET C6.5.
- 15 LOADING ZONE ONLY SIGNAGE. OWNER TO FURNISH, CONTRACTOR TO INSTALL. SEE SIGN POST DETAIL BELOW.
- NO PARKING, FARM/LABORER INDUSTRIAL LOADING (16) ONLY SIGNAGE. OWNER TO FURNISH, CONTRACTOR TO INSTALL. SEE SIGN POST DETAIL BELOW.
- OWNER TO FURNISH, CONTRACTOR TO INSTALL BUS STOP 17 SIGN PER 2014 ICTC BUS STOP DESIGN AND SAFETY GUIDELINE HANDBOOK, FIGURES 8 AND 9. SEE SIGN POST DETAIL BELOW.
- 18 CONTRACTOR TO INSTALL POLICE AND SECURITY PARKING ONLY SIGNAGE. SEE SIGN POST DETAIL BELOW.

### SIGNING AND STRIPING NOTES

1. ALL STRIPING, MARKINGS AND LEGENDS SHALL BE REFLECTORIZED THERMOPLASTIC UNLESS OTHERWISE NOTED.

0 1	0 10' 20' 40' 60'					
	SCALE: 1" = 20'		C4.1			
Y: CRL	PROJECT DESCRIPTION:	SHEET TITLE:	SHEET:			
′: KSR /24/22	CALEXICO INTERMODAL TRANSIT CENTER	HORIZONTAL CONTROL AND STRIPING PLAN	8 OF			
ICTC	-					
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		CUR	B LINE DATA 1	ABLE	
	Line #	Length	Direction	Remark	
	L1	2.87'	S89° 00' 35.50"W	6" CURB	
	L2	2.16'	N00° 26' 28.35"W	6" CURB	
	L3	9.76'	N45° 24' 55.60"W	6" CURB	
	L4	8.00'	S89° 35' 04.40"W	6" CURB	
	L5	19.63'	S00° 25' 14.25"E	6" CURB	
	L6	9.07'	N44° 34' 45.75"E	6" CURB	
	L7	2.17'	N89° 34' 45.75"E	6" CURB	
	L8	1.68'	N89° 34' 45.75"E	6" CURB	
	L9	4.81'	N44° 34' 45.75"E	6" CURB	
	L10	3.38'	N00° 25' 14.25"W	6" CURB	
	L11	14.53'	S89° 35' 04.40"W	6" CURB	
	L12	9.78'	S45° 24' 55.60"E	6" CURB	
	L13	1.67'	S00° 24' 55.60"E	6" CURB	
	L14	1.33'	S89° 35' 04.40"W	6" CURB	
	L15	1.67'	S89° 35' 04.40"W	6" CURB	
	L16	1.67'	S00° 24' 55.60"E	6" CURB	
	L17	3.40'	S44° 35' 04.40"W	6" CURB	
	L18	7.10'	S89° 35' 04.40"W	6" CURB	
	L19	6.16'	N00° 25' 14.25"W	6" CURB	
	L20	4.81'	N44° 34' 45.75"E	6" CURB	
	L21	1.67'	N89° 34' 45.75"E	6" CURB	
	L22	1.67'	S89° 35' 04.40"W	6" CURB	
	L23	4.81'	N45° 25' 14.25"W	6" CURB	
	L20	3.11'	N00° 24' 55.60"W	6" CURB	
	L24	11.00'	N89° 35' 04.40"E	6" CURB	
	L20	3.40'	S45° 24' 55.60"E	6" CURB	
	L20	1.67'	S00° 16' 08.30"E	6" CURB	
	L27	95.14'	N89° 35' 04.40"E	6" CURB & GUTTER	(2)
	L20	1.67'	N00° 24' 55.60"W	6" CURB	
	L23	2.74'	N44° 35' 31.16"E	6" CURB	
	L30	9.90'	N89° 35' 04.40"E	6" CURB	
	L31	2.74'	S45° 24' 28.84"E	6" CURB	
	L32	1.67'	S00° 24' 52.51"E	6" CURB	
	L33	172.97'	N89° 35' 06.12"E	6" CURB & GUTTER	(2)
	L35	1.67'	N00° 24' 53.36"W	6" CURB	
	L36	2.74'	N44° 35' 31.16"E	6" CURB	
	L37	15.38'	N89° 35' 04.40"E	6" CURB	
	L38	10.97'	S00° 21' 54.36"E	6" CURB	
	L39	3.03'	S89° 35' 08.73"W	6" CURB	
	L40	1.67'	N89° 35' 04.40"E	6" CURB	
	L40	1.67'	S00° 24' 55.60"E	6" CURB	
	L42	10.47'	S45° 24' 55.60"E	6" CURB	
	L42	0.80'	N89° 35' 04.40"E	6" CURB	
	L44	12.25'	N00° 25' 14.25"W	6" CURB	
	L45	9.78'	S44° 34' 45.75"W	6" CURB	
	L40	1.67'	S89° 34' 32.89"W	6" CURB	
	L47	6.00'	N89° 34' 45.75"E	6" CURB	
	L48	2.62'	N00° 25' 14.25"W	6" CURB	
	L40	14.73'	S89° 35' 04.40"W	6" CURB	
	L50	9.71'	S45° 24' 55.60"E	6" CURB	
	L50	1.67'	S00° 25' 14.25"E	6" CURB	
	L51	2.16'	N89° 08' 56.23"E	6" CURB	
	L52	4.81'	S45° 25' 14.25"E	6" CURB	
	L53	4.81	S45° 25' 14.25"E S00° 25' 14.25"E	6" CURB	
	L54 L55				
		6.79'	S89° 35' 04.40"W	6" CURB	
	L56	3.39'	N45° 24' 55.60"W	6" CURB	
	L57	1.67' 1.67'	N00° 22' 02.32"W	6" CURB	
	L58 L59	5.81'	S89° 37' 57.68"W N00° 24' 55.60"W	6" CURB	
	L59 L60	1.00'	S89° 35' 04.36"W	6" CURB & GUTTER	
		1.00			]
	NO.	BY:	REVISION	COMMENTS	
1					

		B LINE DATA 1		
_ine #	Length	Direction	Remark	
L61	2.00'	S00° 24' 55.66"E	VAR. HT. CURB	
L62	2.00'	N00° 24' 55.66"W	VAR. HT. CURB	
L63	34.25'	S89° 35' 04.38"W	6" CURB & GUTTER	$\bigcirc$
L64	2.00'	S00° 24' 55.66"E	VAR. HT. CURB	
L65	2.00'	N00° 24' 55.66"W	VAR. HT. CURB	
L66	33.50'	S89° 35' 04.38"W	6" CURB & GUTTER	$\bigcirc$
L67	2.00'	S00° 24' 55.66"E	VAR. HT. CURB	
L68	2.00'	N00° 24' 55.66"W	VAR. HT. CURB	
L69	33.50'	S89° 35' 04.36"W	6" CURB & GUTTER	$\bigcirc$
L70	2.00'	S00° 24' 55.66"E	VAR. HT. CURB	
L71	2.00'	N00° 24' 55.66"W	VAR. HT. CURB	
L72	34.25'	S89° 35' 04.40"W	6" CURB & GUTTER	(1)
L73	2.00'	S00° 24' 55.66"E	VAR. HT. CURB	<u> </u>
L74	2.00'	N00° 24' 55.66"W	VAR. HT. CURB	
L75	136.95'	S89° 35' 04.31"W	6" CURB & GUTTER	(1)
L76	15.50'	S00° 24' 55.57"E	6" CURB	
L77	53.00'	S89° 35' 04.42"W	0" CURB	
L78	15.50'	N00° 24' 55.81"W	6" CURB	
L78	77.26'	S82° 07' 05.88"E	6" CURB	(1)
L80	16.55'	N64° 34' 03.58"E	6" CURB	$\begin{pmatrix} -\\ 1 \end{pmatrix}$
			6" CURB	$\begin{pmatrix} -\\ 1 \end{pmatrix}$
L81	48.51'	S82° 07' 05.88"E		$\sim$
L82	16.55'	N64° 34' 03.58"E	6" CURB	(1)
L83	20.00'	N89° 35' 04.40"E	6" CURB	
L84	48.51'	S82° 07' 05.88"E	6" CURB	1
L85	16.55'	N64° 34' 03.58"E	6" CURB	$\left  \underbrace{1}{} \right $
L86	48.51'	S82° 07' 05.88"E	6" CURB	$\begin{pmatrix} 1 \\ \hline \end{pmatrix}$
L87	16.55'	N64° 34' 03.58"E	6" CURB	(1)
L88	39.48'	N89° 35' 04.40"E	6" CURB	$\underbrace{1}{}$
L89	4.00'	S00° 25' 14.25"E	6" CURB	$\bigcirc$
L90	27.45'	S89° 35' 04.40"W	6" CURB	$\bigcirc$
L91	48.51'	N82° 07' 05.88"W	6" CURB	$\bigcirc$
L92	16.55'	S64° 34' 03.58"W	6" CURB	$\bigcirc$
L93	48.51'	N82° 07' 05.88"W	6" CURB	$\bigcirc$
L94	16.55'	S64° 34' 03.58"W	6" CURB	$\bigcirc$
L95	48.51'	N82° 07' 05.88"W	6" CURB	$\bigcirc$
L96	16.55'	S64° 34' 03.58"W	6" CURB	$\overline{1}$
L97	48.51'	N82° 07' 05.88"W	6" CURB	$\underbrace{)}{1}$
L98	31.03'	S64° 34' 03.58"W	6" CURB	$\underbrace{)}{1}$
L99	30.42'	S89° 35' 04.40"W	6" CURB & GUTTER	$\overbrace{1}$
L100	314.43'	N89° 35' 04.40"E	6" CURB	$\underbrace{)}{1}$
L101	20.00'	N89° 35' 04.40"E	6" CURB	$\underbrace{)}{1}$
L102	9.00'	S00° 24' 55.60"E	VAR. HT. CURB	
L102	315.10'	N89° 35' 04.40"E	6" CURB	(1)
L100	20.67'	N89° 35' 27.76"E	6" CURB	$\begin{pmatrix} -\\ 1 \end{pmatrix}$
L104	9.00'	N00° 24' 55.60"W	VAR. HT. CURB	
L105	9.00	S00° 23' 16.89"E		
			6" CURB	
L111	1.97'	S36° 36' 17.46"W	6" CURB	
L112	13.39'	S01° 22' 48.52"E	6" CURB & GUTTER	
L115	11.82'	S89° 46' 10.86"W	6" CURB & GUTTER	
L116	13.66'	S00° 00' 00.00"E	6" CURB & GUTTER	
L117	5.21'	S11° 53' 36.34"E	6" CURB & GUTTER	
L118	134.97'	S00° 21' 36.67"E	6" CURB & GUTTER	
L119	10.87'	N89° 26' 45.88"W	6" CURB & GUTTER	
L120	121.53'	S00° 25' 23.63"E	6" CURB	
	14.99'	S00° 30' 08.21"E	6" CURB	
L123				
L123 L124	18.24'	S00° 00' 24.06"W	6" CURB	

	CURB	CURVE	DATA TAE	BLE
Curve #	Length	Radius	Delta	Remark
C1	7.85'	10.00'	045° 00' 00"	6" CURB
C2	31.42'	20.00'	090° 00' 19"	6" CURB
C3	4.71'	2.00'	135° 00' 00"	6" CURB
C4	7.85'	10.00'	045° 00' 00"	6" CURB
C5	31.41'	20.00'	089° 59' 41"	6" CURB
C6	4.71'	2.00'	135° 00' 00"	6" CURB
C7	7.85'	10.00'	045° 00' 00"	6" CURB
C8	31.41'	20.00'	089° 59' 41"	6" CURB
C9	7.85'	10.00'	045° 00' 00"	6" CURB
C10	7.85'	10.00'	045° 00' 00"	6" CURB
C11	31.42'	20.00'	090° 00' 00"	6" CURB
C12	7.85'	10.00'	045° 00' 00"	6" CURB & GUTTE
C13	11.78'	15.00'	044° 59' 33"	6" CURB
C14	11.78'	15.00'	045° 00' 27"	6" CURB
C15	11.78'	15.00'	044° 59' 33"	6" CURB
C16	31.43'	20.00'	090° 03' 01"	6" CURB
C17	39.25'	25.00'	089° 56' 48"	6" CURB
C18	7.85'	10.00'	045° 00' 00"	6" CURB
C19	31.42'	20.00'	090° 00' 19"	6" CURB
C20	4.71'	2.00'	135° 00' 00"	6" CURB
C21	3.14'	2.00'	090° 00' 00"	6" CURB
C22	31.41'	20.00'	089° 59' 41"	6" CURB
C23	4.71'	2.00'	135° 00' 00"	6" CURB
C24	7.85'	10.00'	045° 00' 00"	6" CURB
C25	31.42'	20.00'	090° 00' 19"	6" CURB
C26	7.85'	10.00'	045° 00' 00"	6" CURB
C27	24.14'	15.00'	092° 12' 50"	6" CURB
C28	3.14'	2.00'	090° 00' 00"	6" CURB
C29	3.14'	2.00'	089° 59' 57"	6" CURB
C30	60.48'	25.00'	138° 36' 33"	6" CURB
C31	8.67'	10.00'	049° 41' 17"	6" CURB
C32	23.56'	15.00'	089° 59' 41"	6" CURB
C33	23.56'	15.00'	090° 00' 19"	6" CURB
C34	23.56'	15.00'	090° 00' 19"	6" CURB & GUTTE
C35	23.56'	15.00'	090° 00' 00"	6" CURB & GUTTE
C38	3.13'	2.00'	089° 46' 11"	6" CURB & GUTTER
C39	3.82'	2.09'	104° 48' 07"	6" CURB & GUTTER
C40	1.74'	1.02'	098° 05' 28"	6" CURB
C41	3.09'	2.00'	088° 37' 11"	6" CURB & GUTTE
1) = PA		& FACE (	OF CURB RED	FOR NO PARKING

2 = PAINT TOP & FACE OF CURB WHITE FOR PASSENGER DROP-OFF

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APPROVED BY: CITY OF CALEXICO Community Development Department ENGINEERING DIVISION 3 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 ENGINEER

DATE

SEAL:

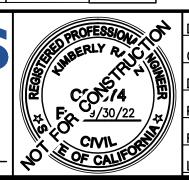


ENGINEER

PSOM	A
401 B Street, Suite 1600 San Diego, CA 92101 (619) 961–2800 (619) 961–2392 www.psomas.com	fax

KIMBERLY RAETZ, P.E.

DATE



DATE

RAWN IECK B FILE NAM LAST REVISED

	1.02'	098° 05' 28"	6" CURB
)'	2.00'	088° 37' 11"	6" CURB & GUTTER

HOR	IZ. CONTR	ROL CURB	DATA
Point #	Northing	Easting	Remark
1	1823599.3775	6793569.7840	CURB
2	1823597.2210	6793569.8006	CURB
3	1823590.3702	6793576.7515	CURB
4	1823587.4926	6793583.8436	CURB
5	1823587.5506	6793591.8434	CURB CURB
6	1823607.6969 1823627.3309	6793611.6979 6793611.5537	CURB
8	1823628.7200	6793608.1292	CURB
9	1823622.2573	6793601.7607	CURB
10	1823621.7214	6793653.8540	CURB
11	1823618.2954	6793650.4779	CURB
12	1823611.2030	6793647.6010	CURB
13	1823607.8219	6793647.6258	CURB
14	1823587.9692	6793667.7703	CURB
15	1823588.0746	6793682.2965	
16	1823591.4989	6793683.6859	CURB CURB
17 18	1823598.3644 1823600.0344	6793676.7201 6793676.7080	CURB
19	1823543.5977	6793571.7549	CURB
20	1823545.2677	6793571.7427	CURB
21	1823547.6861	6793574.1263	CURB
22	1823550.6662	6793581.1760	CURB
23	1823550.7177	6793588.2714	CURB
24	1823530.8650	6793608.4159	CURB
25	1823524.7048	6793608.4611	CURB
26	1823517.6124	6793605.5842	CURB
27	1823514.0452	6793602.0661	
28 	1823517.3173	6793654.6713	CURB CURB
29 30	1823520.6938 1823527.7432	6793651.2449 6793648.2641	CURB
31	1823530.8525	6793648.2416	CURB
32	1823550.9970	6793668.0960	CURB
33	1823551.0767	6793679.0986	CURB
34	1823548.1992	6793686.1907	CURB
35	1823545.6611	6793688.6066	CURB
36	1823544.1456	6793688.6169	CURB
37	1823544.8354	6793783.7568	CURB
38	1823546.5054	6793783.7447	CURB CURB
39 40	1823548.4574 1823552.7790	6793785.6691 6793796.3576	CURB
41	1823552.9980	6793806.1453	CURB
42	1823548.6803	6793816.7849	CURB
43	1823546.5891	6793818.7348	CURB
44	1823545.0891	6793818.7457	CURB
45	1823602.6227	6794006.6215	CURB
46	1823600.9527	6794006.6336	CURB
47	1823593.6055	6794014.0881	CURB
48	1823590.7279	6794021.1802	CURB
49	1823590.7338	6794021.9849	
50 51	1823610.8801 1823623.1322	6794041.8394 6794041.7494	CURB CURB
51	1823623.1322	6794038.3249	CURB
53	1823617.5548	6794038.3249	CURB
54	1823615.5582	6794082.8275	CURB
55	1823613.5436	6794080.8422	CURB
56	1823610.9274	6794080.8614	CURB
57	1823591.0748	6794101.0059	CURB
58	1823591.1816	6794115.7329	CURB
59	1823594.6060	6794117.1223	CURB
60	1823601.4209	6794110.2078	
61 62	1823546.3418 1823547.8433	6793991.7073 6793991.6964	CURB CURB
63	1823549.9652	6793993.6210	CURB
64	1823554.4340	6794004.1941	CURB
65	1823554.5455	6794019.5695	CURB
66	1823534.6735	6794039.7141	CURB
67	1823523.7023	6794039.7840	CURB
68	1823498.5449	6794014.9658	CURB
69	1823519.4145	6794086.3723	CURB
70	1823522.7905	6794082.9463	CURB
71	1823529.8398	6794079.9656	
	1823534.2358	6794079.9333	CURB
72	1000554 0004	6704000 70	יים וי
73	1823554.3821 1823554.4612	6794099.7877 6794106.4424	CURB CURB
	1823554.3821 1823554.4612 1823551.5538	6794099.7877 6794106.4424 6794113.6746	

HORI	Z. CONTR	OL CURB	DATA
Point #	Northing	Easting	Remark
77	1823547.5016	6794116.1011	CURB
78	1823517.3294	6793656.3413	CURB
79 80	1823511.5181 1823496.0544	6793656.3834	CURB CURB
81	1823496.0616	6793671.4916 6793672.4917	CURB
82	1823496.0906	6793676.4916	CURB
83	1823496.3390	6793710.7407	CURB
84	1823496.3499	6793712.2407	CURB
85 86	1823496.5928 1823496.6037	6793745.7398	CURB CURB
87	1823496.8466	6793747.2397 6793780.7389	CURB
88	1823496.8574	6793782.2388	CURB
89	1823497.1058	6793816.4879	CURB
90	1823497.1167	6793817.9879	CURB
91 92	1823498.1098 1823500.1242	6793954.9386 6793956.9240	CURB CURB
92	1823515.6238	6793956.9240	CURB
94	1823516.0081	6794009.8102	CURB
95	1823500.5085	6794009.9226	CURB
96	1823498.5230	6794011.9370	CURB
97	1823467.7778	6793667.1767	CURB CURB
98  99	1823470.2293 1823459.6353	6793675.2141 6793751.7403	CURB
100	1823466.7439	6793766.6891	CURB
101	1823460.0921	6793814.7386	CURB
102	1823467.2007	6793829.6875	CURB
103	1823467.3457	6793849.6870	CURB
104 105	1823460.6939 1823467.8025	6793897.7365 6793912.6853	CURB CURB
105	1823461.1507	6793960.7348	CURB
107	1823468.2593	6793975.6837	CURB
108	1823468.5455	6794015.1599	CURB
109	1823453.6561	6794030.2683	CURB
110	1823449.6562	6794030.2976	CURB CURB
111 112	1823434.5464 1823434.3474	6794015.4068 6793987.9605	CURB
113	1823440.9992	6793939.9110	CURB
114	1823433.8906	6793924.9622	CURB
115	1823440.5424	6793876.9127	CURB
116	1823433.4338	6793861.9638	CURB CURB
117 118	1823440.0856 1823432.9770	6793813.9143 6793798.9655	CURB
119	1823439.6288	6793750.9160	CURB
120	1823426.3016	6793722.8898	CURB
121	1823424.3640	6793714.4459	CURB
122	1823424.1434	6793684.0234	
123 124	1823402.0570 1823404.3369	6793672.1888 6793986.6140	CURB CURB
124	1823404.4191	6793997.9488	CURB
126	1823404.5641	6794017.9483	CURB
130	1823386.9472	6793657.2980	CURB
131	1823371.9586	6793657.4294	
132 133	1823354.3370 1823235.2442	6793657.5290 6793658.3674	CURB CURB
133	1823233.6660	6793657.1951	CURB
135	1823220.2783	6793657.5177	CURB
136	1823218.3264	6793659.5171	CURB
137	1823155.2686	6793659.9412	CURB
138 139	1823153.2686 1823139.6045	6793657.9493 6793657.9493	CURB CURB
140	1823134.5033	6793659.0236	CURB
141	1822999.5325	6793659.8721	CURB
142	1822978.0468	6793661.1547	CURB
143	1822977.0398	6793660.1548	CURB CURB
144 145	1822855.5064 1823340.5740	6793661.0525 6793657.6541	CURB
145	1823319.3032	6793657.7981	CURB
147	1823292.1948	6793657.9817	CURB
148	1823275.8001	6793658.0927	CURB
149	1823245.3264	6793658.2991	
150 	1823111.0945 1823083.1988	6793659.1708 6793659.3462	CURB CURB
152	1823061.1103	6793659.4850	CURB
153	1823055.3982	6793659.5209	CURB
154	1823026.7109	6793659.7013	CURB
155	1823009.5148	6793659.8267	CURB

HORIZ. CONTROL CURB DATA				
Point #	Northing	Easting	Remark	
156	1822999.5331	6793659.8721	CURB	
157	1822957.4442	6793660.3368	CURB	
158	1822907.1061	6793660.6713	CURB	
159	1822877.4774	6793660.8902	CURB	
160	1822865.2189	6793660.9808	CURB	

HORIZ. CONTROL LIGHT DATA				
Point #	Northing	Easting	Remark	
127	1823548.5453	6793674.7691	LIGHT	
128	1823551.9976	6794012.9707	LIGHT	
129	1823451.6378	6794027.7830	LIGHT	

C4.2
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SHEET:

9

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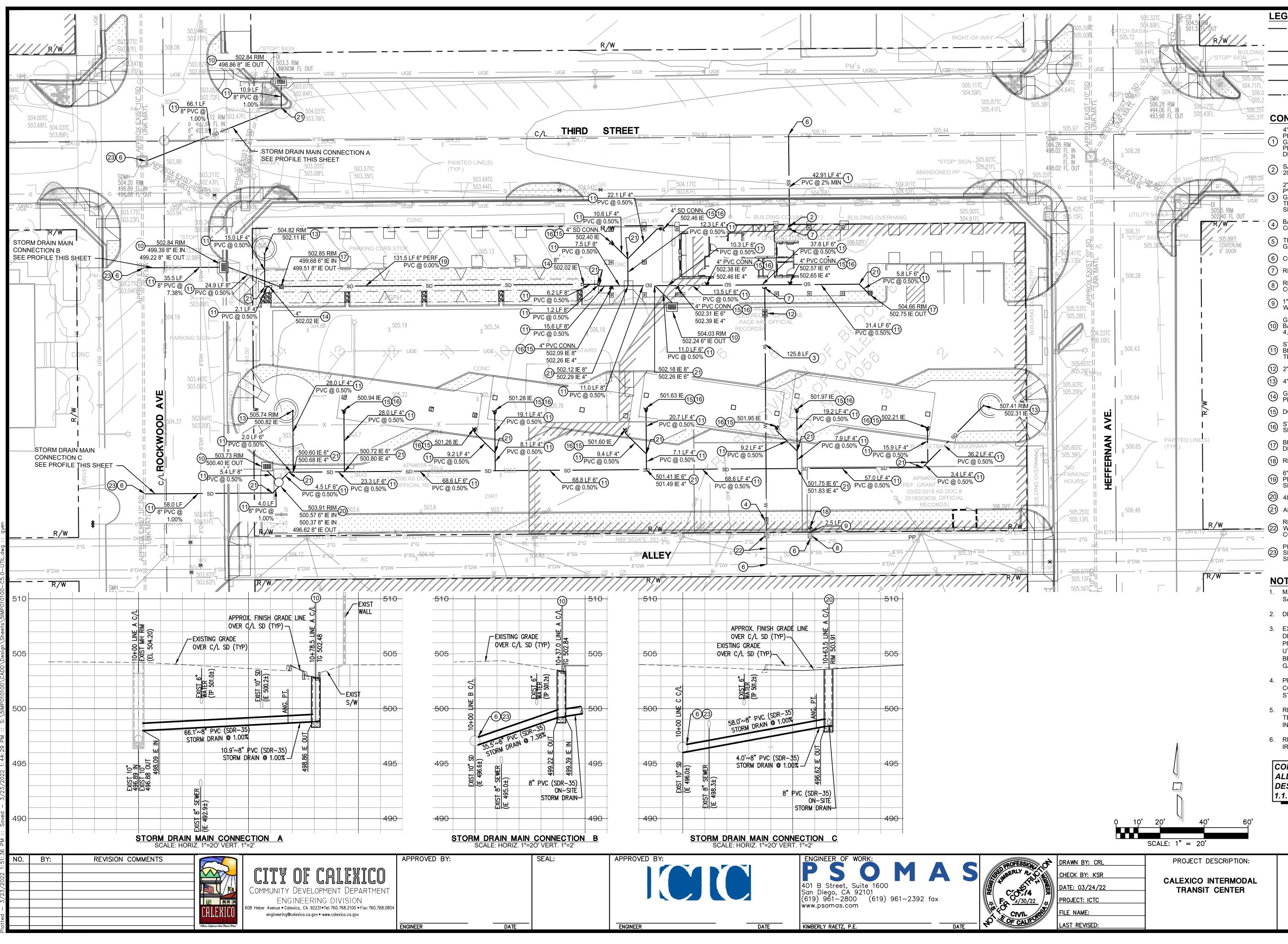
PROJECT DESCRIPTION:

## CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

HORIZONTAL CONTROL DATA TABLES

OF 143



LEGEND

- METER - PVC SEWER LINE PVC STORM DRAIN
- ---------------------------------PROPERTY LINE

### **CONSTRUCTION NOTES**

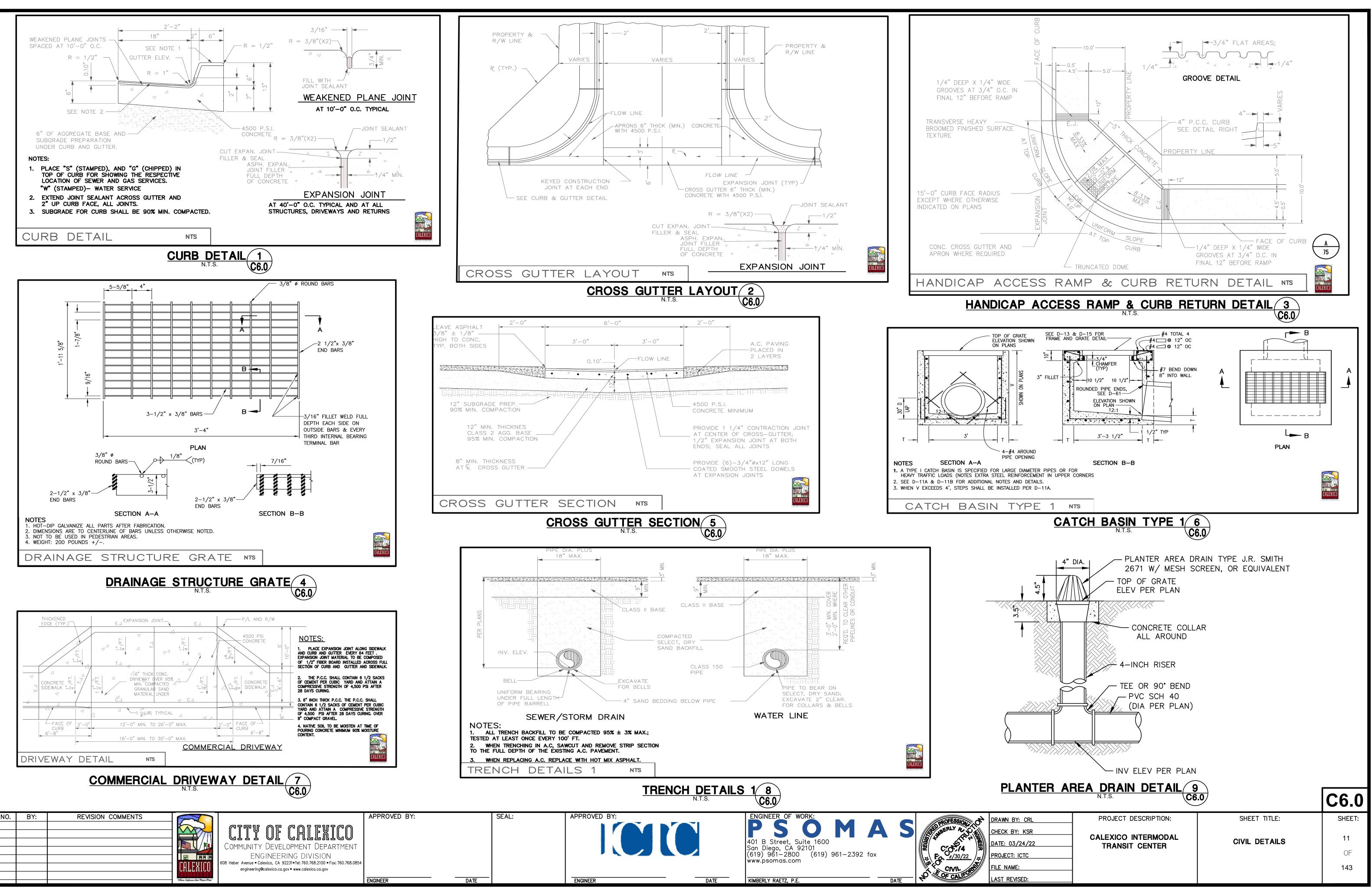
- 4" PVC (SDR 35) SEWER LINE, LENGTH AND SLOPE PER PLAN AND PER IMPERIAL COUNTY STD DWG NO. 1) GATEWAY-210. PIPE BEDDING AND TRENCH BACKFILL PER CITY OF CALEXICO STD TRENCH DETAIL. SEE DETAIL 10, SHEET C6.1 AND DETAIL 8, SHEET C6.0.
- 2 SANITARY SEWER CLEANOUT PER SPPWC STD PLAN 204-3. SEE DETAIL 14, SHEET C6.2.
- 2" TYPE K COPPER WATER SERVICE, SLEEVED WITH PVC. PER IMPERIAL COUNTY STD DWG NO. GATEWAY-105, LENGTH PER PLAN, PIPE BEDDING AND TRENCH PER CITY OF CALEXICO STD TRENCH DETAIL. SEE DETAIL 34, SHEET C6.10 AND DETAIL 8, SHEET C6.0
- A BACKFLOW PREVENTION DEVICE PER DETAIL 32, SHEET C6.9.
- 5 THRUST BLOCK PER IMPERIAL COUNTY STD DWG NO. GATEWAY-100. SEE DETAIL 36, SHEET C6.10
- (6) CONNECT TO EXISTING UTILITY. SEE NOTE 3 BELOW.
- (7) REFER TO PLUMBING SITE PLAN FOR CONTINUATION
- (8) REMOVE AND REPLACE EXISTING 3/4" WATER METER. CONTACT JOSE SALDANA AT THE CITY OF CALEXICO.
- 9 1" TYPE K COPPER IRRIGATION SERVICE, SLEEVED WITH PVC
- GRATED INLET PER CITY OF CALEXICO STD CATCH BASIN, TYPE 1. SEE DETAIL 6, SHEET C6.0 AND DETAIL 4, SHEET C6.0.
- 11 STORM DRAIN PIPE, SDR 35 PVC. SIZE PER PLAN. PIPE BEDDING AND TRENCH PER CITY OF CALEXICO STD TRENCH DETAILS. SEE DETAIL 8, SHEET C6.0.
- (12) 2" WATER SHUTOFF VALVE AND ENCASEMENT
- (13) 4" PLANTER AREA DRAIN PER DETAIL 9, SHEET C6.0.
- GALVANIZED STEEL FLARED END SECTION. SIZE PER PLAN.
- (15) DOWNSPOUT CONNECTION PER PLUMBING PLANS
- (16) STORM DRAIN CLEAN OUT PER SPPWC STD PLAN 204-3. SEE DETAIL 14, SHEET C6.2.
- BROOKS CATCH BASIN (1212CB), OR EQUIVALENT PER DETAIL 31, SHEET C6.9.
- (18) REFER TO IRRIGATION PLAN FOR CONTINUATION
- 6" PVC SDR 35 PERFORATED PIPE. LENGTH AND SLOPE PER PLAN. SEE BIO-RETENTION BASIN DETAIL 26 ON SHEET C6.8.
- 20 48" PERKFILTER MANHOLE PER DETAIL 30, SHEET C6.9.
- (21) ALL PROPOSED STORM DRAIN TO HAVE PVC FITTINGS.
- REMOVE EXISTING 1" WATER SERVICE AND REPLACE WITH 2" WATER SERVICE PER DETAIL 34, SHEET C6.10 CONTACT JOSE SALDANA AT CITY OF CALEXICO.
- 23 PIPE CONNECTION TO EXISTING STORM DRAIN PER SPPWC STD PLAN 335-2, CASE 2 SADDLE CONNECTION. SEE DETAIL 35, SHEET C6.10.

### NOTES

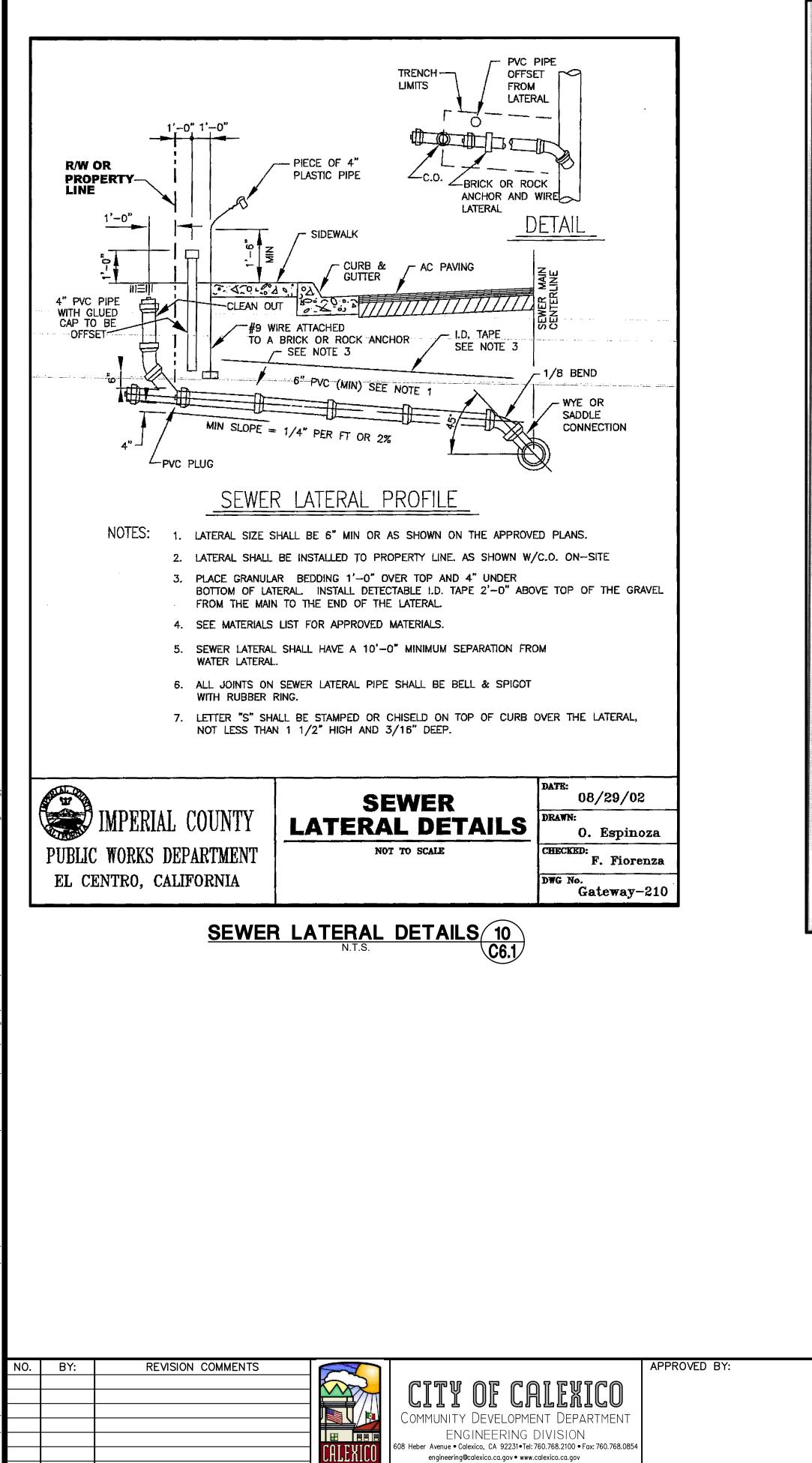
- 1. MAINTAIN 10' CLEARANCE BETWEEN DOMESTIC AND SANITARY SEWER PIPES OUTSIDE DIAMETERS.
- 2. DEPTH OF COVER BASED ON FINISHED SURFACE.
- 3. EXISTING UTILITY LOCATIONS, SIZES, MATERIALS AND DEPTHS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR TO POTHOLE UTILITIES BEING CONNECTED TO, AS WELL AS UTILITIES BEING CROSSED (STORM DRAIN, SEWER, WATER, AND GAS) PRIOR TO CONSTRUCTION.
- 4. PROVIDE PEDESTRIAN AND TRAFFIC RATED RIMS AND COVERS FOR RELOCATED OR ADJUSTED UTILITY STRUCTURES
- 5. REFERENCE MECHANICAL, ELECTRICAL AND TELECOMMUNICATION PLANS FOR DEMOLITION AND INSTALLATION OF M, E, & T UTILITIES AND STRUCTURE.
- 6. REFERENCE LANDSCAPE PLANS FOR INSTALLATION OF IRRIGATION LINES.

CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES AS DESCRIBED IN SPECIAL NOTE 8 ON SHEET

	C5.0
SHEET TITLE:	SHEET:
CIVIL UTILITY PLAN	10
	OF
	143

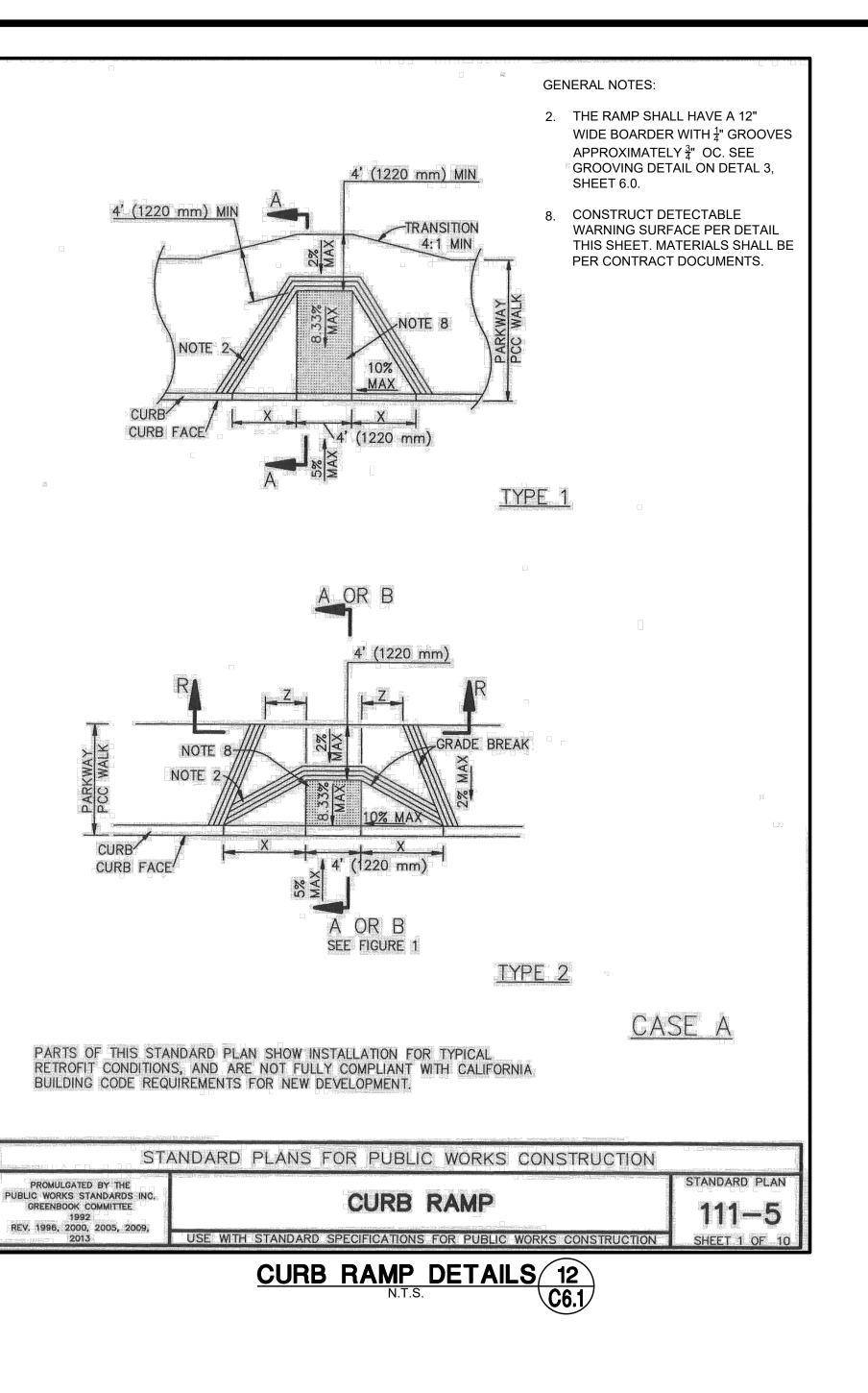


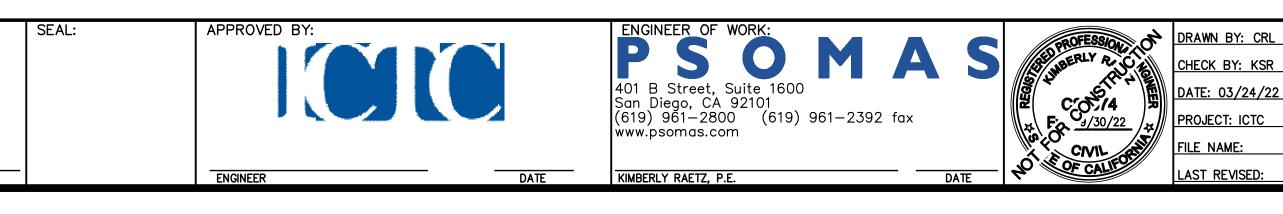
CONSTRUCTION

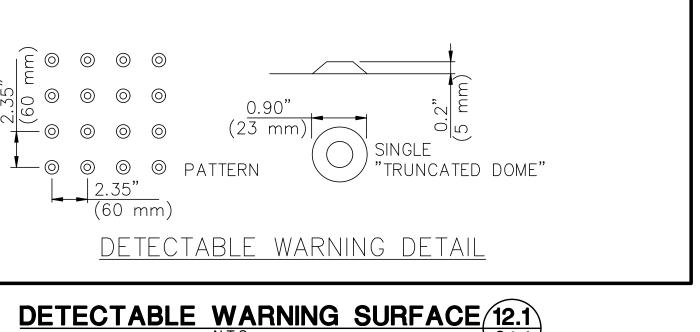


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**C6.1**/

CONSTRUCTION
NOT FOR
ı
SUBMITTAL
100%

PROJECT	DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

CIVIL DETAILS

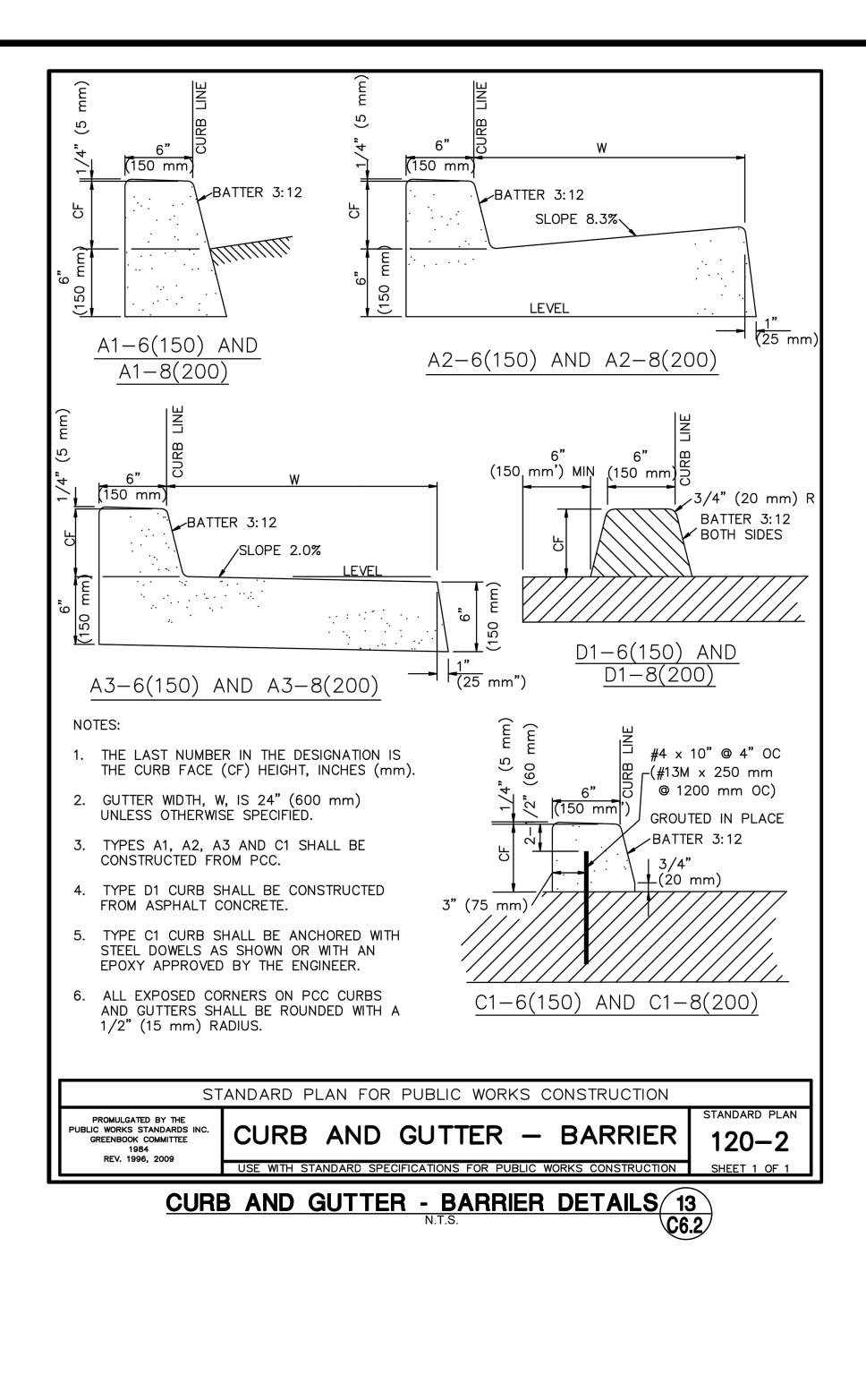
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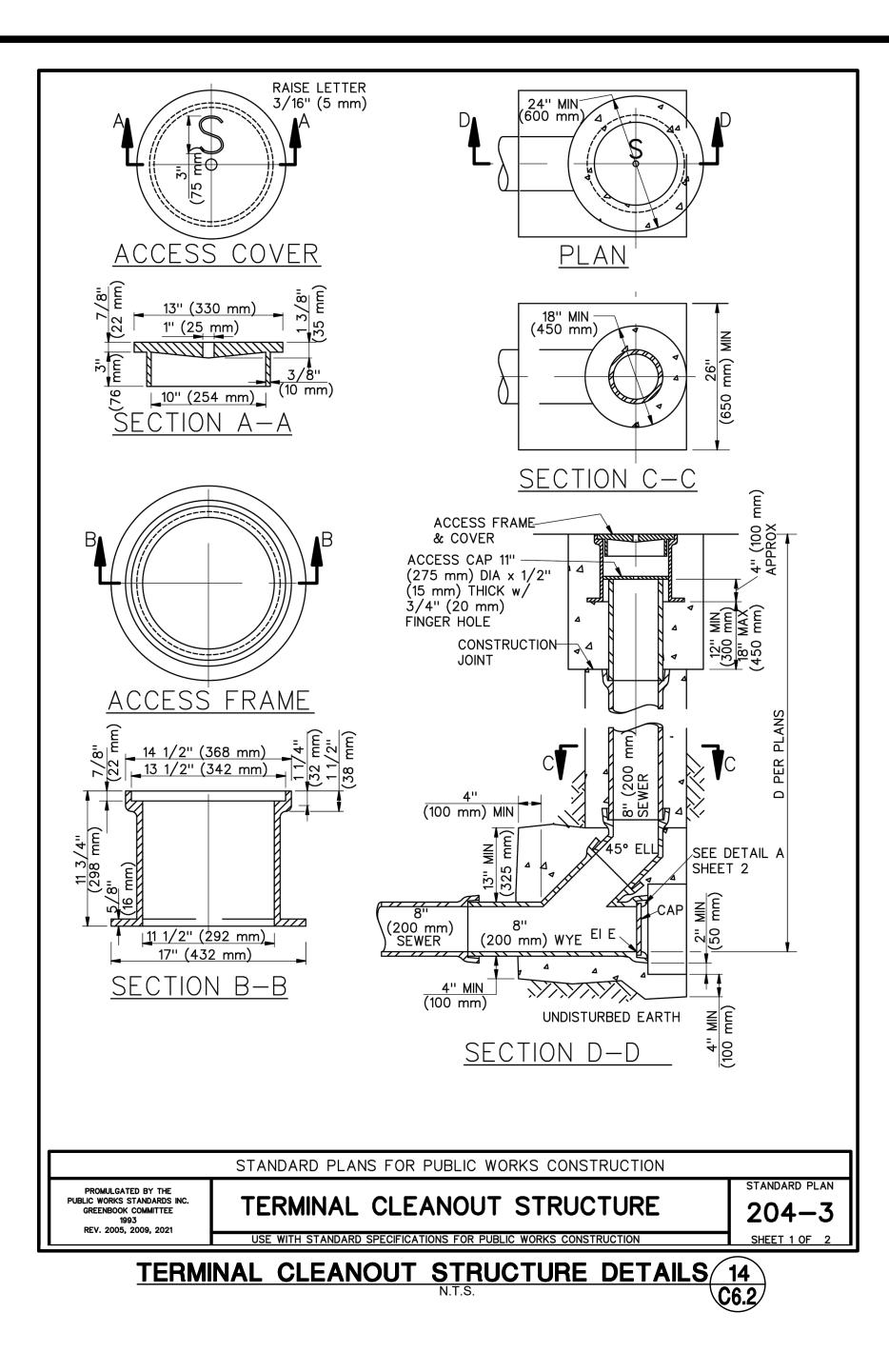
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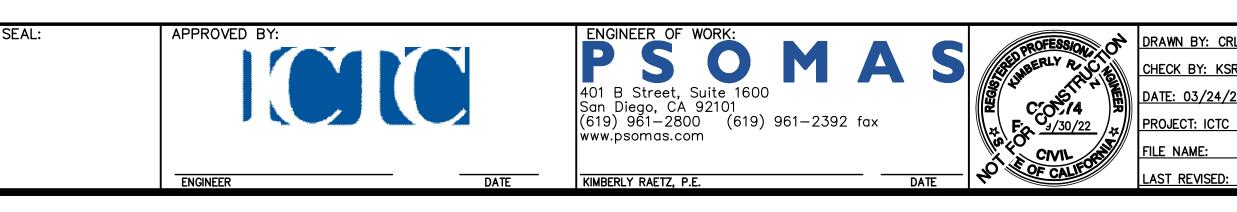
OF

143



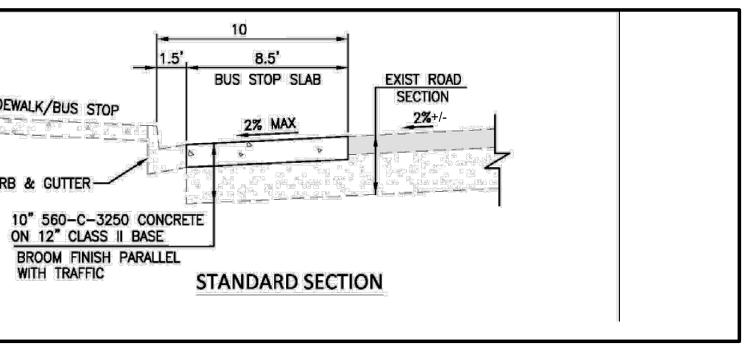
NO.	BY:	REVISION COMMENTS			APPROVED BY:	
			KAR I	CITY OF CAIFXICO		
				CITY OF CALEXICO		
				Community Development Department		
				ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854		
			CALEXICO	engineering@calexico.ca.gov • www.calexico.ca.gov		
			CALLET BULK			
			"Where California Goud Wexice Meet"		ENGINEER	DATE





SIDEWALK/BUS STOP 

CURB & GUTTER-





DATE: 03/24/22

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

CIVIL DETAILS

SHEET TITLE:

SHEET: 13

> OF 143

NO.	BY:	REVISION COMMENTS	

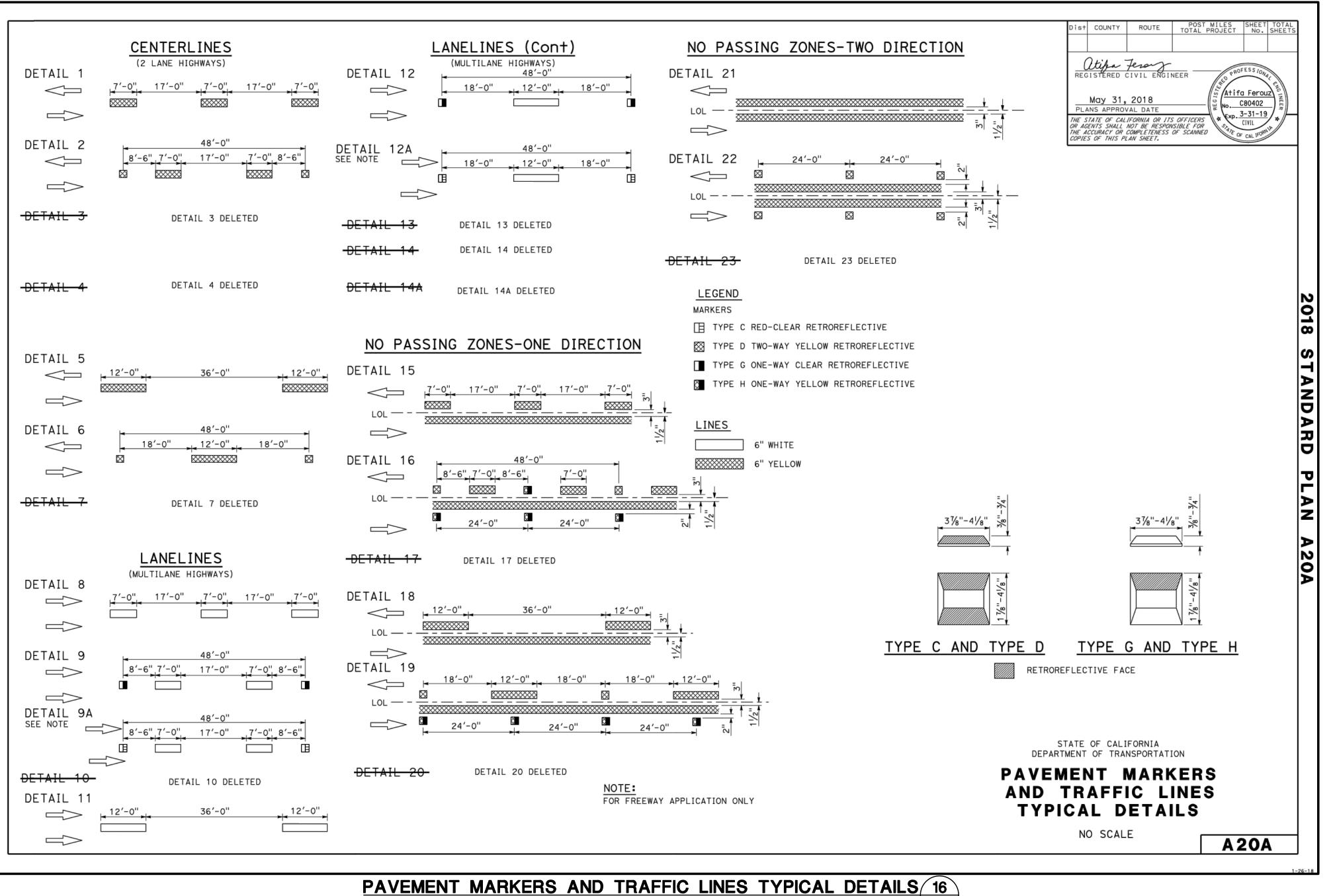


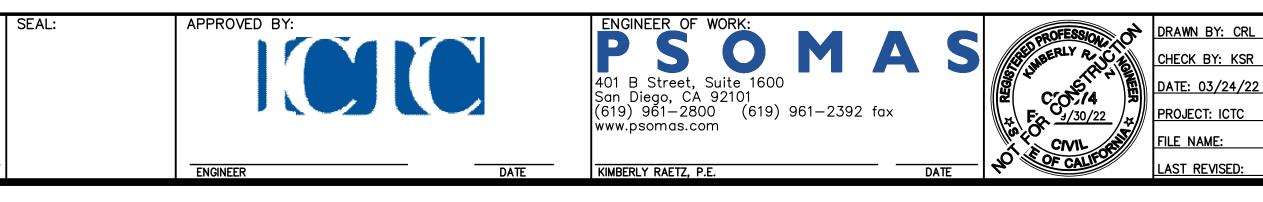


APPROVED	ΒY

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**C6.3** 

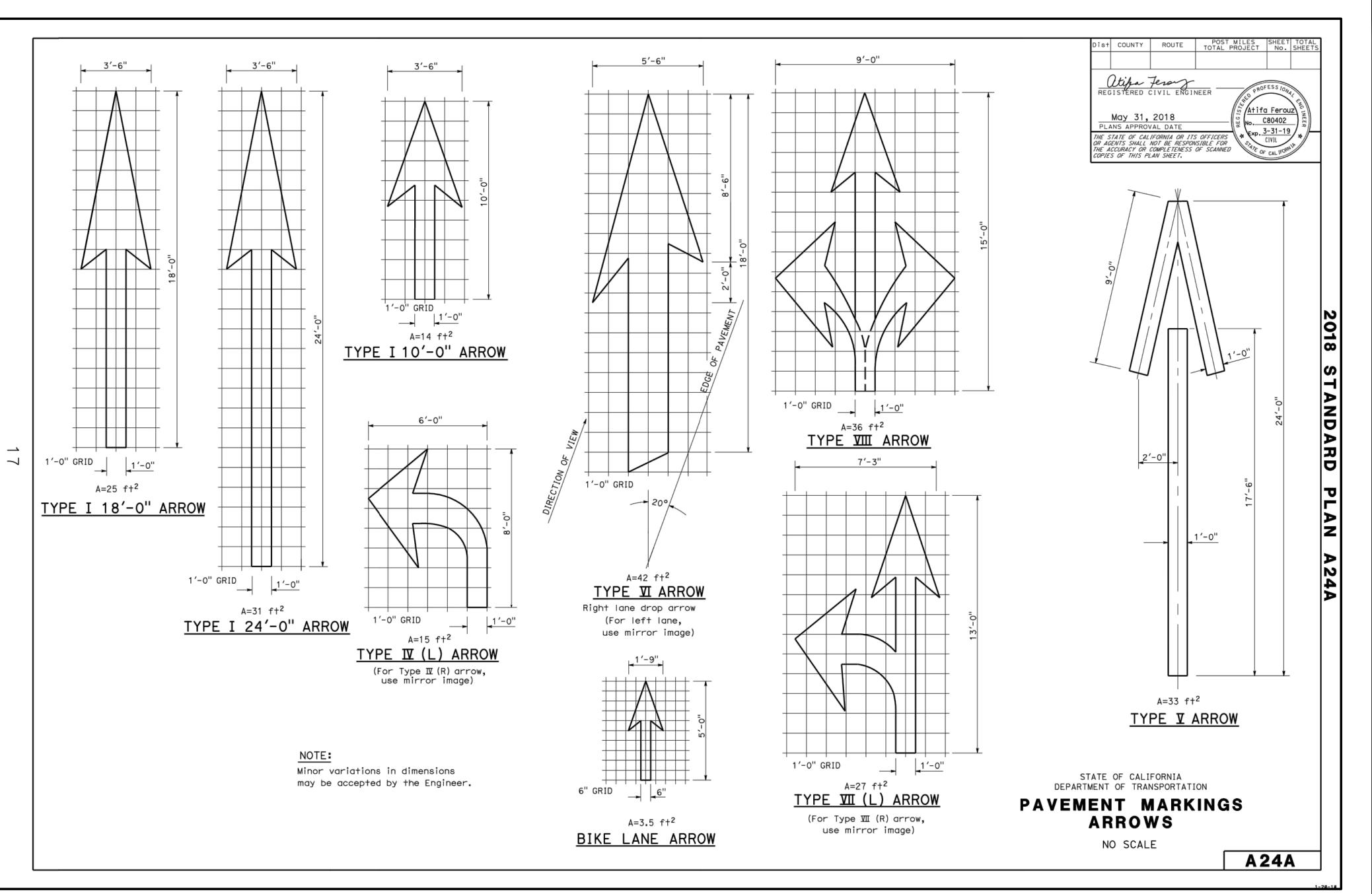
C6.3 SHEET: PROJECT DESCRIPTION: SHEET TITLE: CALEXICO INTERMODAL 14 CIVIL DETAILS TRANSIT CENTER OF 143

NO.	BY:	REVISION COMMENTS





APPROVED	BY:



PAVEMENT MARKERS ARROWS DETAILS 17 N.T.S. 17 C6.4





FOR C6.4 SHEET: SHEET TITLE: 15 CIVIL DETAILS SUB OF 143

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

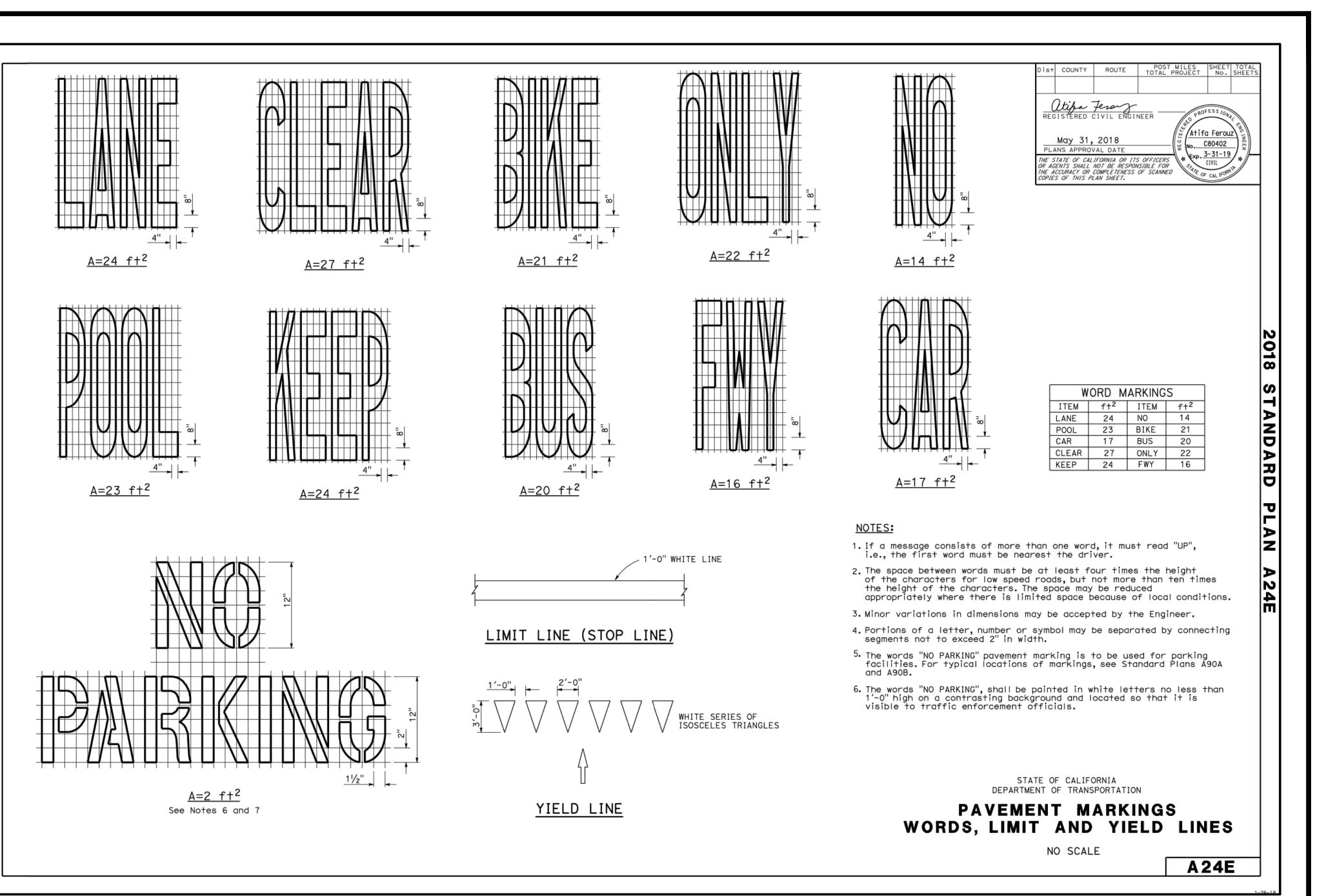
CONSTRUCTION

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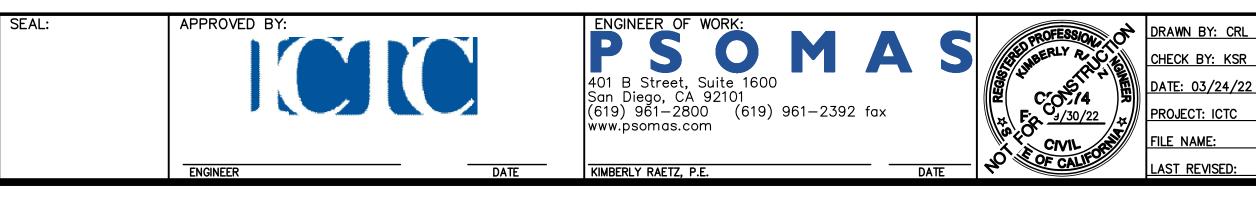




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## PAVEMENT MARKINGS WORDS, LIMIT AND YIELD LINES DETAILS 18



C6.5

SHEET:

16

OF

143

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

CIVIL DETAILS

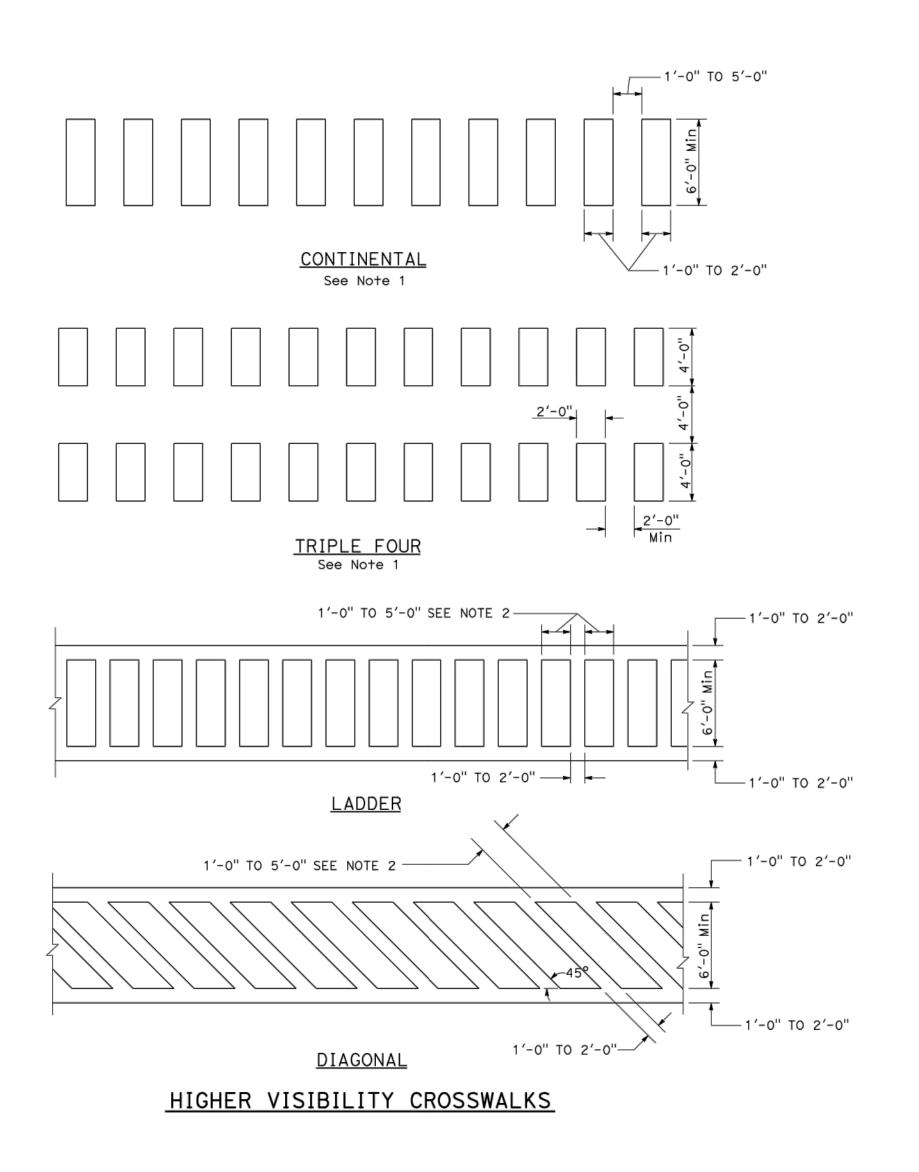
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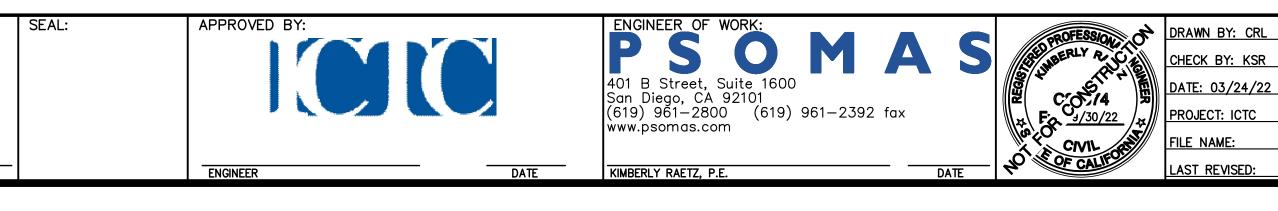


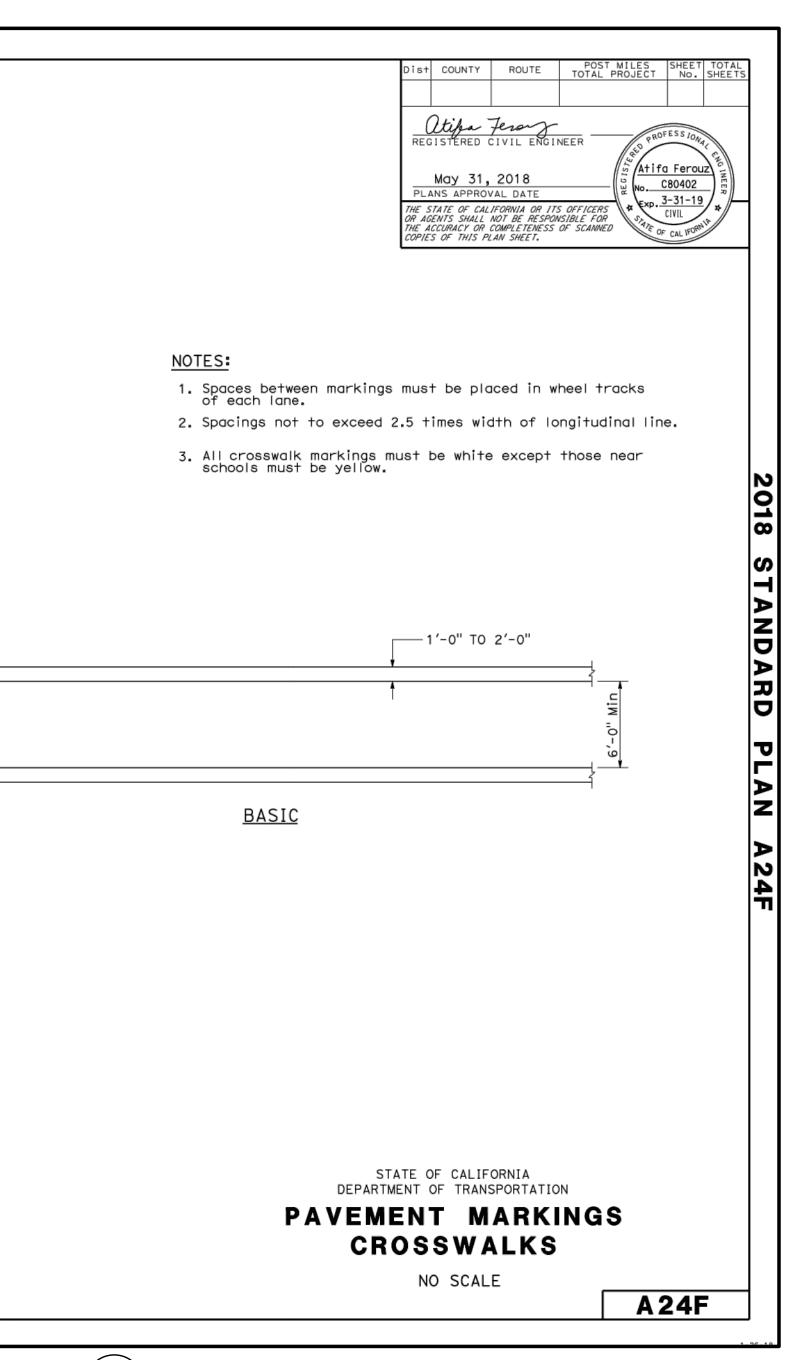
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PAVEMENT MARKINGS CROSSWALKS DETAILS 19 N.T.S. 19 C6.6







CONSTRUCTION Ю C6.6 SHEET: 17 OF SUE 143

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

CIVIL DETAILS

SHEET TITLE:

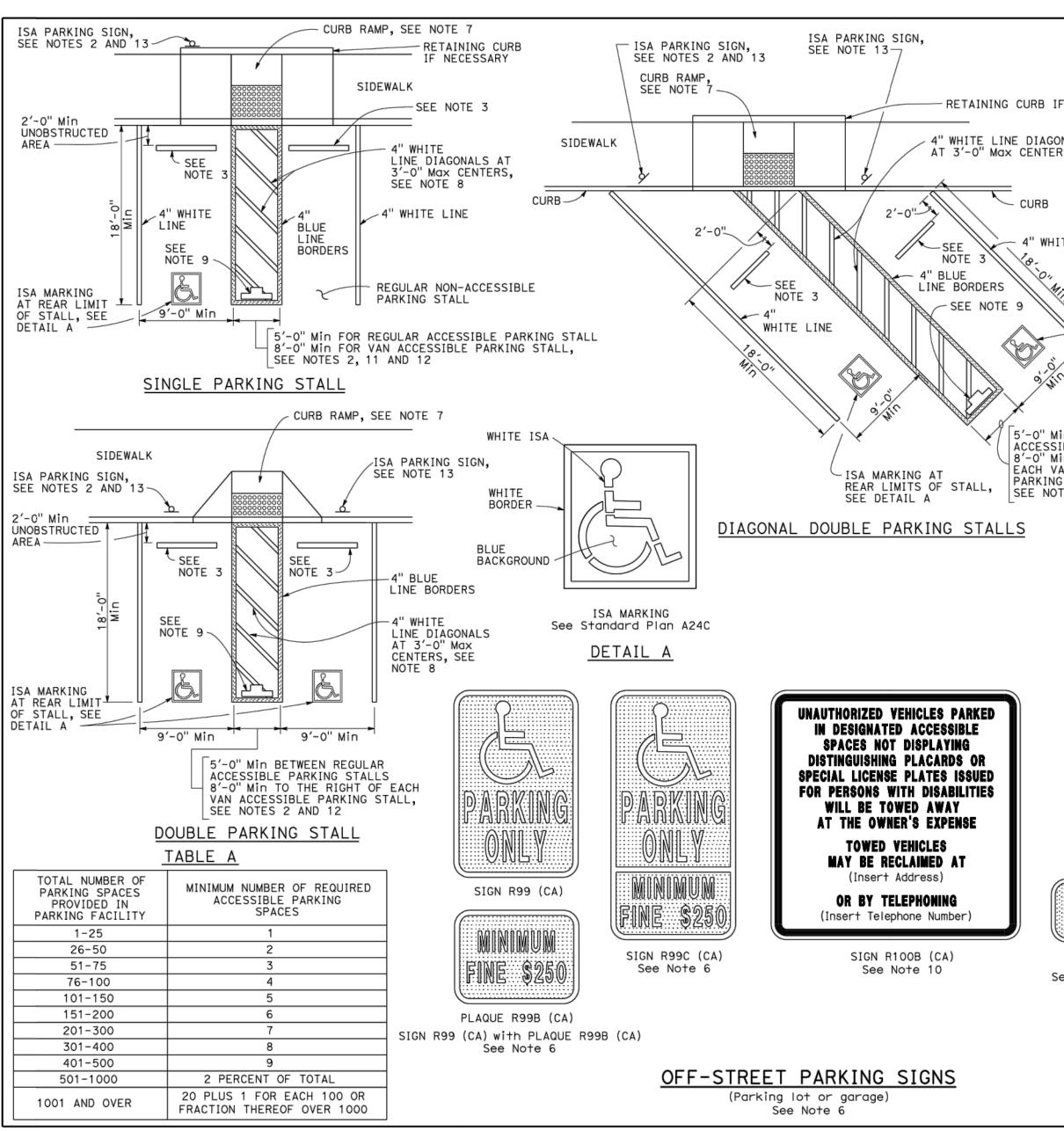
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### ACCESSIBLE PARKING OFF-STREET DETAILS 20 N.T.S.



			<b></b>			POST MILES	SHEET	TOTAL	
			Dist	COUNTY	ROUTE	TOTAL PROJECT		SHEETS	
				Ren	owny)		FESSIO		
NECESSARY			REG	ISTERED C	IVIL ÈNGIN	S R	ebecca	C. CHO	
NALS S, SEE NOTE 8			-	May 31,			54415 2-31-19		
			OR AGE	ENTS SHALL N CCURACY OR C	FORNIA OR ITS OT BE RESPON OMPLETENESS	UFFICERS Nr V	CIVIL F CAL IFORN	/~//	
			COPIES	S OF THIS PL.	AN SHEET.				
	N	OTES:							
E LINE	1.	Accessible parking spaces s located on the shortest ac parking to an accessible er not serve a particular buil on the shortest accessible pedestrian entrance of the	cess itrar ding rou	ible rou nce. In p , access te of tr	te of tr arking f ible parl avel to	avel from ad acilities tha king shall be	jacen <sup>.</sup> † do loca†		
➤	2.	One in every six accessible	off	²-street	parking	stalls, but r	not		
AT REAR LIMITS OF STALL, SEE DETAIL A		less than one, shall be serv minimum width and shall be shall be mounted below the	sigr	ned van	accessib	le. The R7-8b	sign		
	3.	In each parking stall, a cur if required to prevent encr	roac	hment o	f vehicle	s over the r	equire	ed 🛛	20
BETWEEN REGULAR		width of walkways. Parking with disabilities are not co vehicles other than their o	ompe	lled to	wheel or	walk behind	parke	d 🖌	018
LE PARKING STALLS TO THE RIGHT OF ACCESSIBLE	4.	see the Standard Specifica Parking spaces and access	aisle	es shall	be level	with surface	slop	es	S
STALL, S 2 AND 12	5.	not exceeding 1.5% in all directions.							
	6.	accessible parking stalls in Where Plaque R99B (CA), Sign		•	-		tallea		ND
		the bottom of the sign or 7'-0" above the surrounding	plac	jue pane				,	Þ
	7.	Curb ramps shall conform † Plan A88A.	o tr	ne detail	s shown	on Standard			RD
	8.	Blue paint, instead of white aisles in areas where snow visible.	e ma may	y be use cause v	ed for m hite mar	arking access rkings to not	bilit be		PL
	9.	The words "NO PARKING", sha than 1'-0" high and located enforcement officials. See the "NO PARKING" pavement m	so Star	that it idard Pla	is visibl	le to traffic			LAN
	10.	A R100B (CA) sign shall be p entrance to off-street par to and visible from each s where the towed vehicle may number of the local traffic	king tall. y be	facilit The sign reclaim	ies or in In shall Ied and t	nmediately ad include the a the telephone	jacen	t s	A 9 0 A
	11.	Where a single (non-van) ac loading and unloading acces the vehicle as the vehicle	s ai	sle shal	I be on .	the passenger	- side	of	
	2.	Where a van accessible park and unloading access aisle be on the passenger side o forward into the parking sp	shal f th	l be 8'- e vehicl	D"wide m	ninimum, and s	shall		
VAN	3.	Accessible Parking Only Sig with Plaque R99B (CA).	n sh	all be S	ign R99C	(CA) or Sign	R99 (	CA)	
ACCESSIBLE		EGEND							
SIGN R7-8b e Notes 2 and 6	IS	SA = International Symbol of	Acc	essibilit	У				
		STA DEPARTME		F CALIFO OF TRANS		N			
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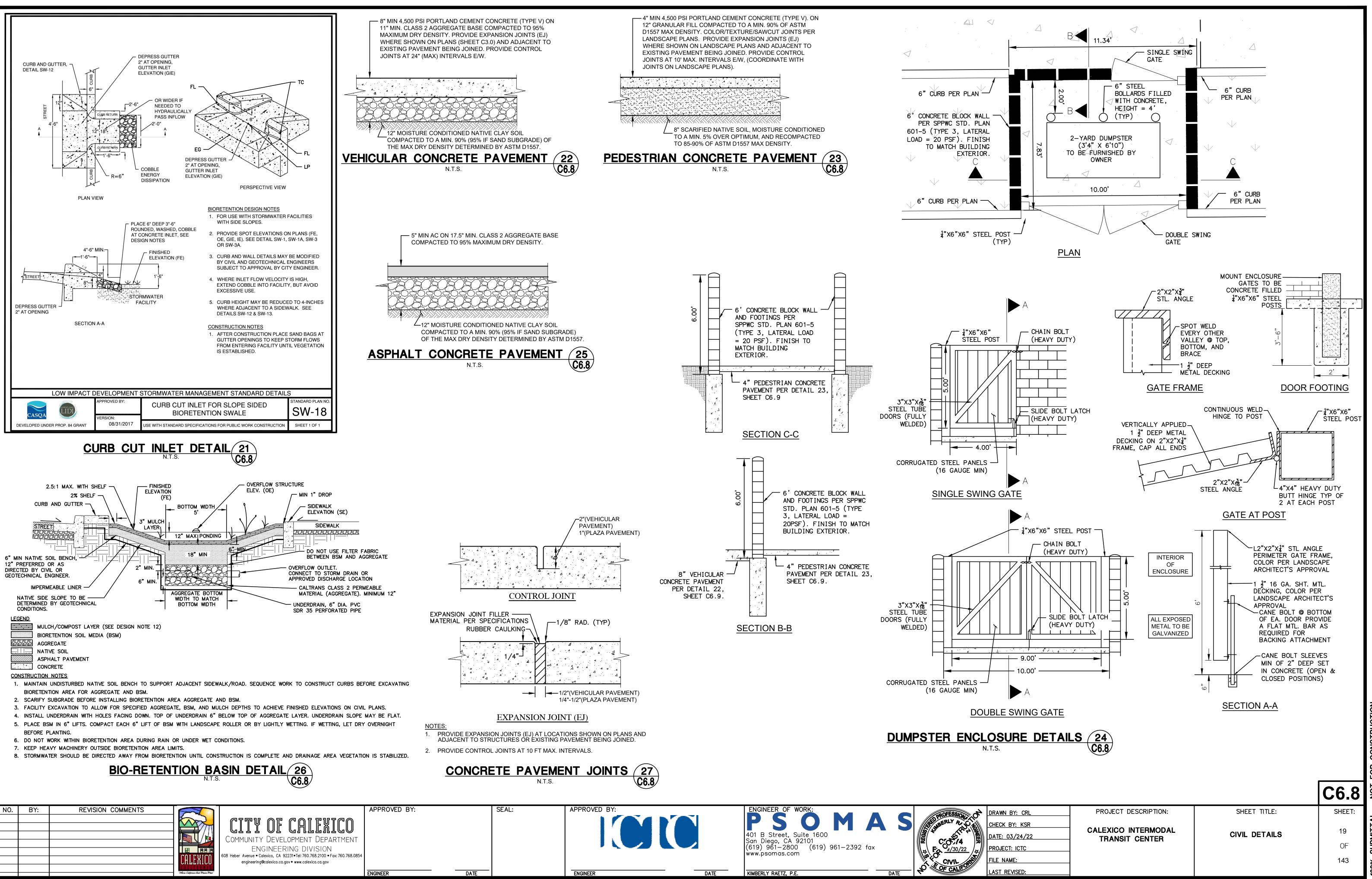
143

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

CIVIL DETAILS



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REVISION COMMENTS	CALEXICO	CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	APPROVED BY:	
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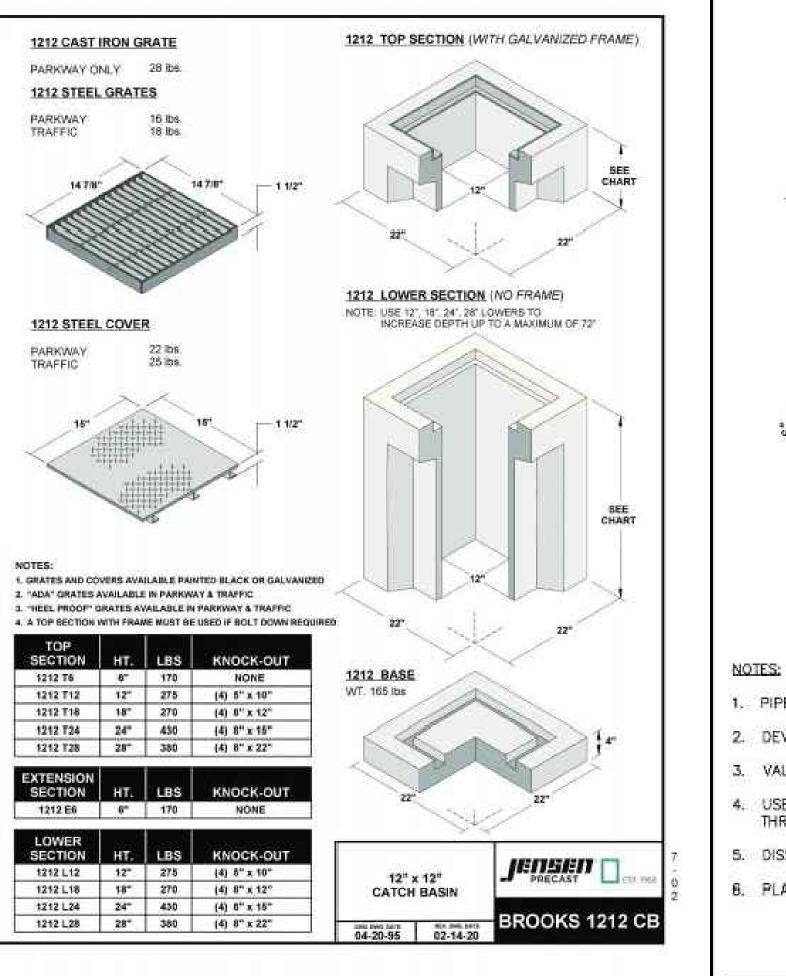
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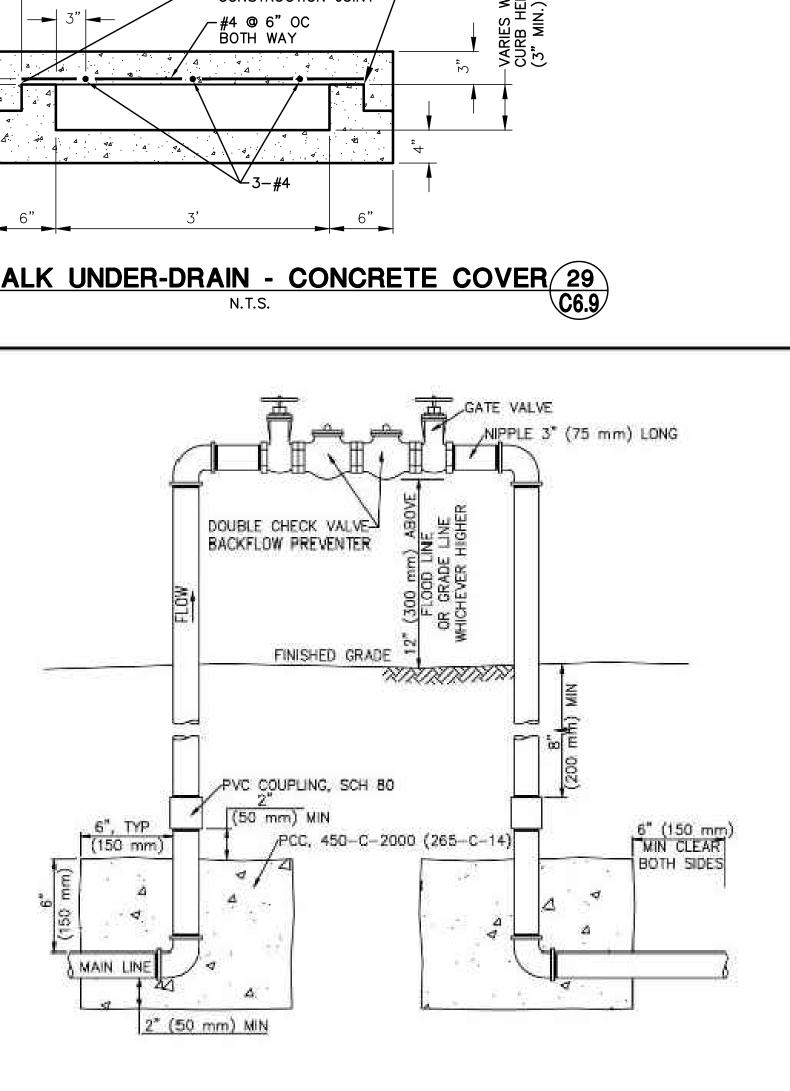
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CATCH BASIN DETAIL 31

**C6.9** 



### 5 FASTEN WITH ¼" COARSE-THREAD COUNTERSINK SCREWS. SCREWS SHALL BE STAINLESS STEEL GRADE 316. SIDEWALK UNDER-DRAIN - GRATED COVER 28 .C6.9∕ N.T.S.

J.R. HOE METRO STYLE 14" WIDE

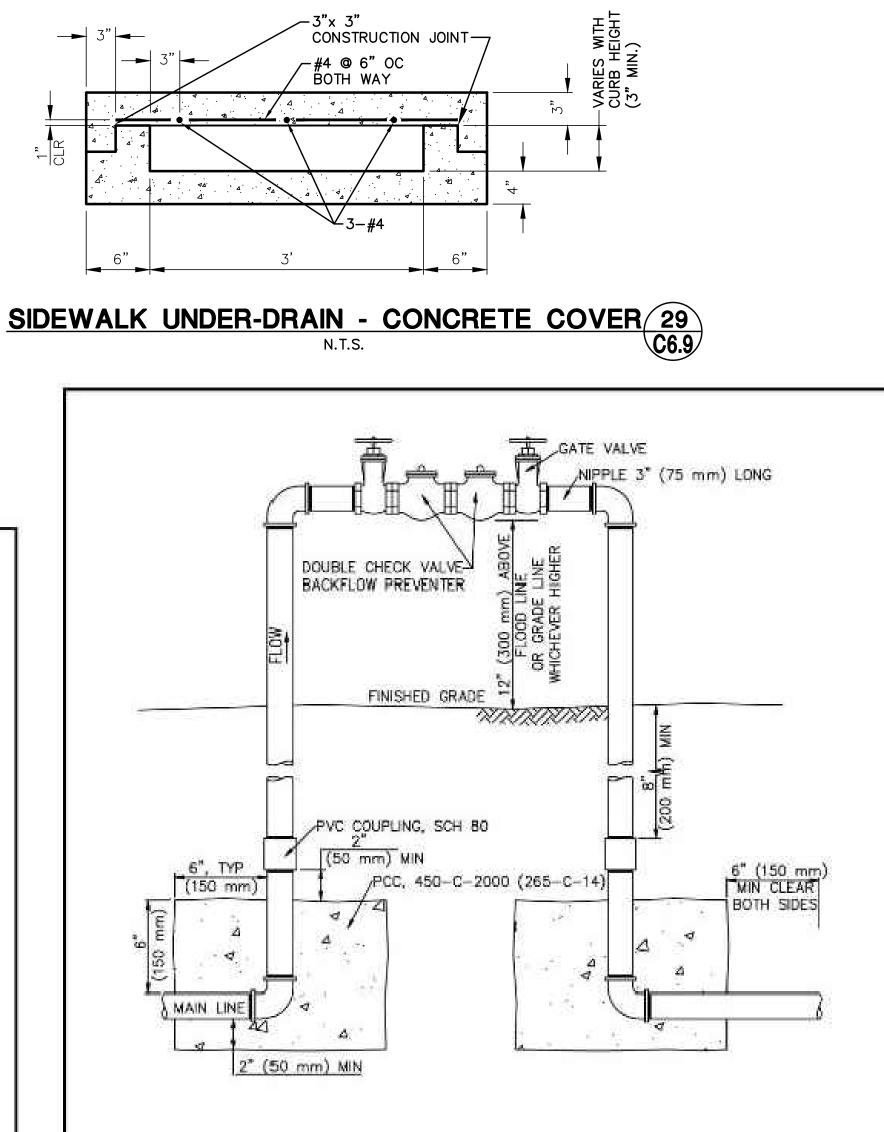
TRENCH GRATE, ADA RATED, OR

EQUIVALENT. INSTALL PER

④ CHECKERED PLATE SHALL BE GALVANIZED STEEL, MAXIMUM WIDTH 36".

- 3 1 $\frac{1}{2}$ " X 1 $\frac{1}{2}$ " X  $\frac{1}{4}$ " "L" FRAME WITH  $\frac{3}{8}$ " X  $\frac{1}{4}$ " STEEL STRIP WELDED TO FRAME.
- NOTE SLOPE TO DRAIN TO ONE SIDE. ALL EXPOSED METAL PARTS TO BE GALVANIZED. SCREWS TO BE STAINLESS STEEL GRADE 316.

## MANUFACTURERS DIRECTION . 44 · 4 4 Δ <del>ν</del>. Δ. 14"



1. PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL UNLESS OTHERWISE NOTED.

2. DEVICES AND INSTALLATIONS SHALL COMPLY WITH LOCAL HEALTH AND WATER AGENCY REQUIREMENTS. 3. VALVE ASSEMBLIES MAY HAVE SCREWED OR FLANGED FITTINGS.

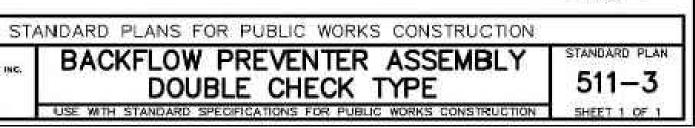
4. USE APPROVED PLASTIC TAPE 1/2" (12 mm) WIDE AT ALL THREADED CONNECTIONS. COAT EXPOSED THREADS WITH APPROVED RUST-INHIBITING SEALANT.

5. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.

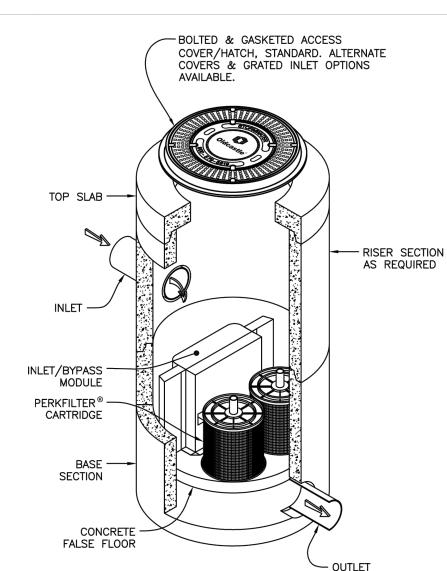
6. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISHED GRADE.

SEAL:

SYMBOL ON PLAN -MM-



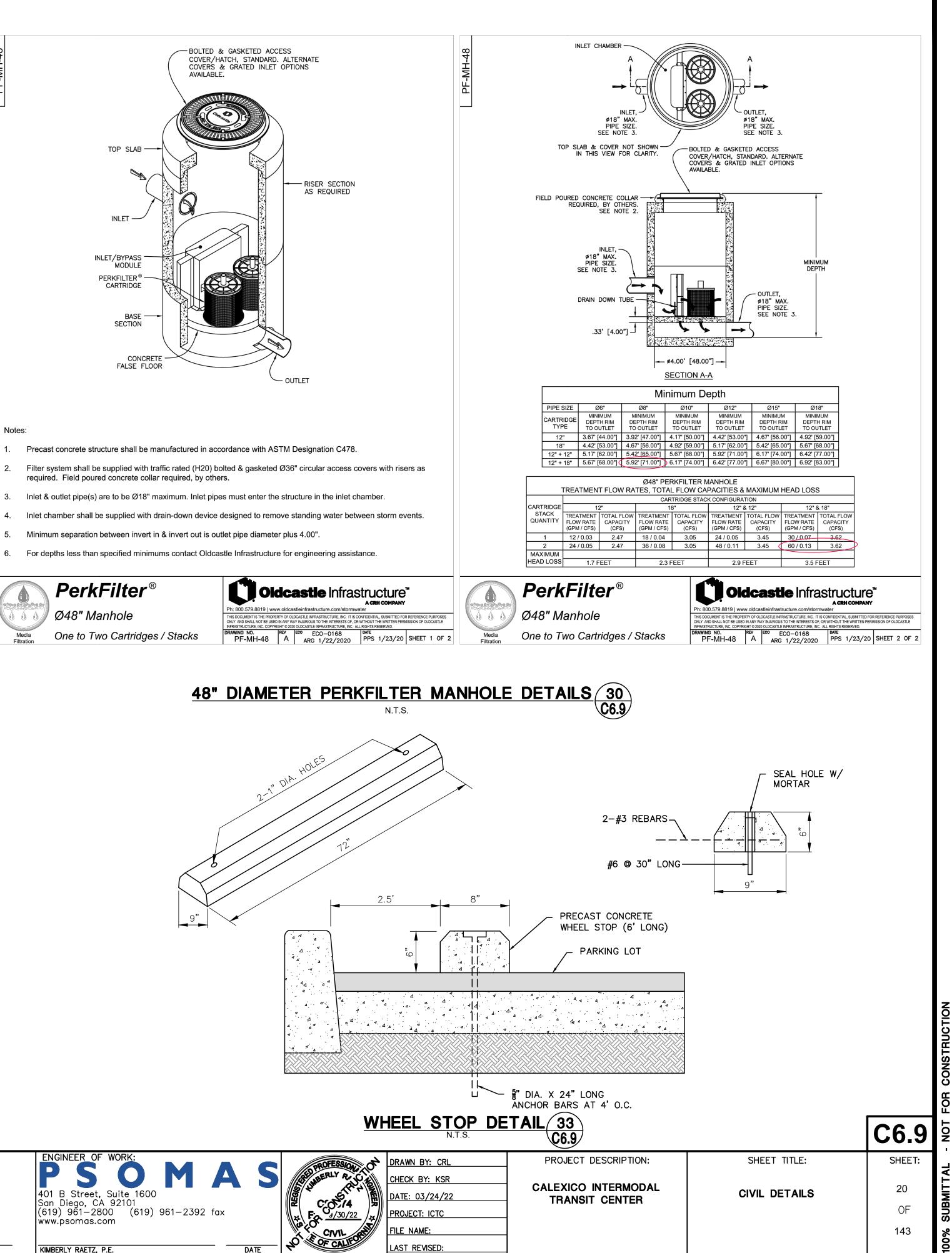


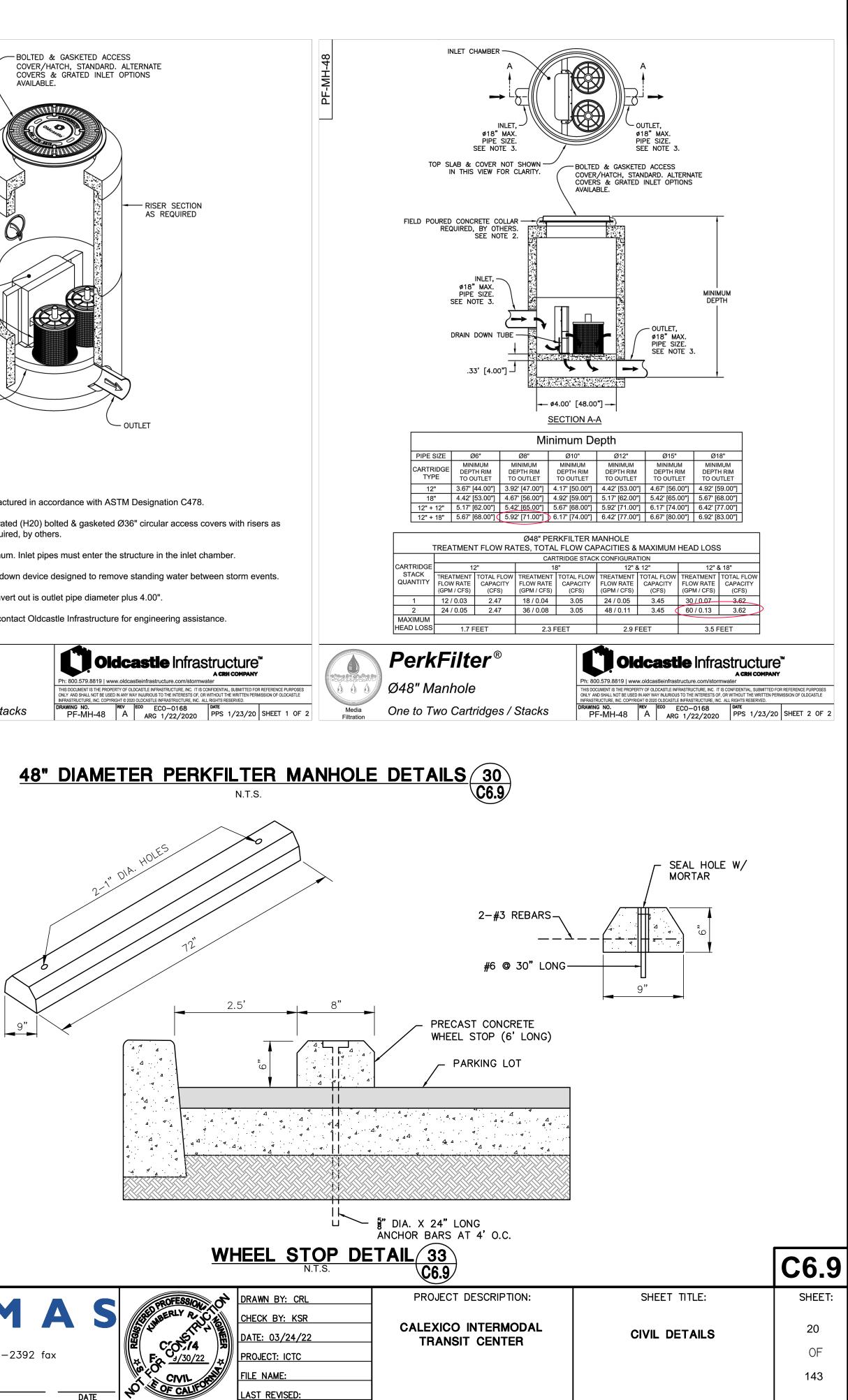


### Notes

- Precast concrete structure shall be manufactured in accordance with ASTM Designation C478.
- required. Field poured concrete collar required, by others.

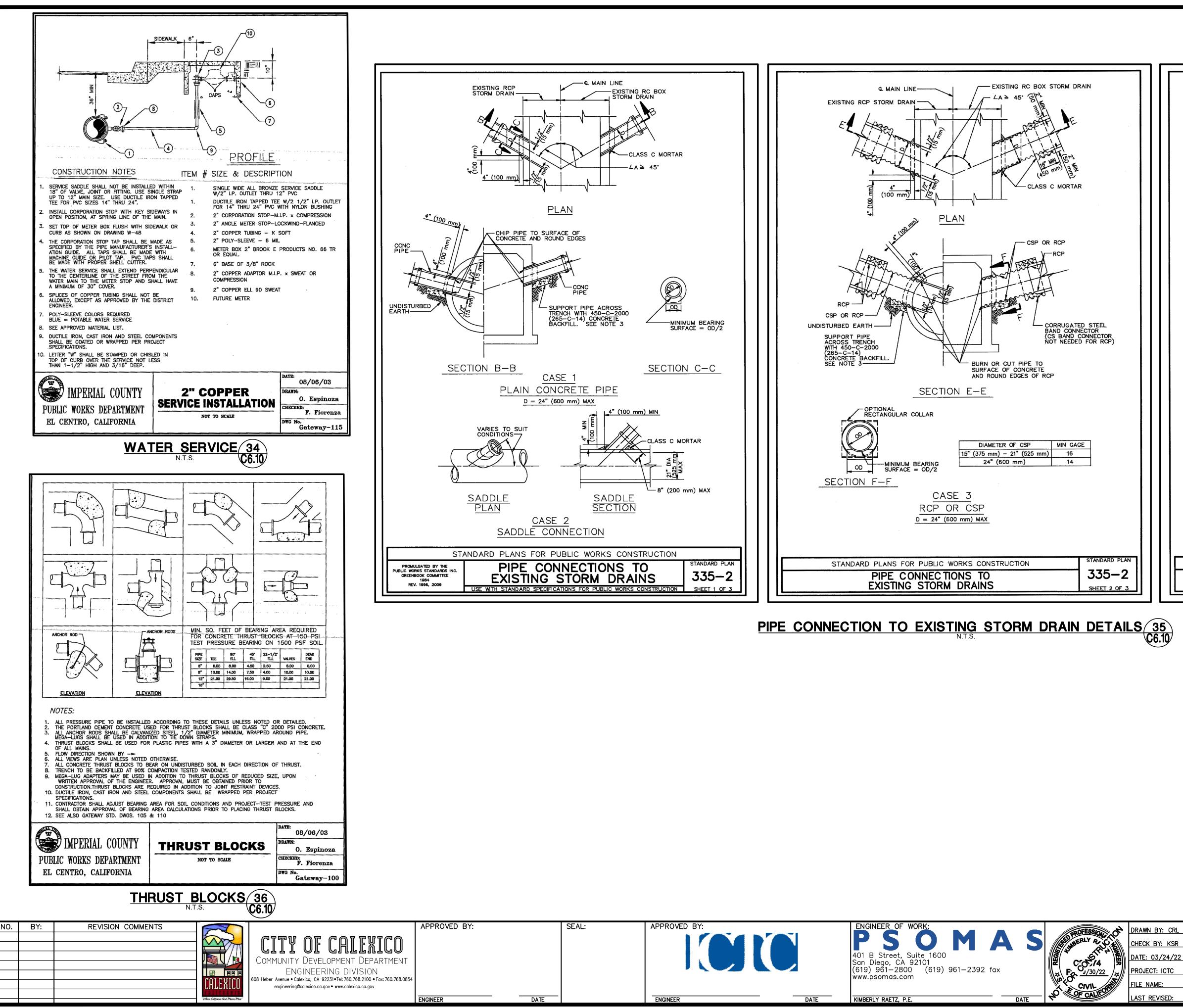
- Minimum separation between invert in & invert out is outlet pipe diameter plus 4.00".







CONSTRUCTION



NOTES

CASE 1 AND CASE 3

- 1. OUTSIDE DIAMETER OF THE CONNECTOR PIPE SHALL NOT BE GREATER THAN 1/2 THE INSIDE DIAMETER OF THE RCP MAIN LINE.
- 2. INSIDE DIAMETER D OF THE CONNECTOR PIPE SHALL NOT BE GREATER THAN 24" (600 mm).
- 3. THE MINIMUM OPENING INTO THE EXISTING STORM DRAIN SHALL BE THE OUTSIDE DIAMETER OF THE CONNECTING PIPE PLUS 1" (30 mm). THE CONCRETE BACKFILL SUPPORTING THE CONNECTING PIPE MAY BE OMITTED IF THE PIPE IS LAID ON UNDISTURBED EARTH TO STORM DRAIN WALL.
- 4. ALL CSP AND FITTINGS SHALL BE GALVANIZED. BAND CONNECTORS MAY BE 2 GAGES LIGHTER THAN THE PIPE, BUT WITH A MINIMUM GAGE OF 16. THEY SHALL BE CONNECTED AT THE ENDS BY ANGLES HAVING MINIMUM DIMENSIONS OF 2"x2"x3/16" (50 mm x 50 mm x 5 mm) AND 5 1/2" (140 mm) BOLTS.
- 5. WHEN JOINING A RCP CONNECTOR PIPE TO A CSP CONNECTOR PIPE, THE INSIDE DIAMETER D OF THE CSP SHALL BE AT LEAST EQUAL TO BUT NOT MORE THAN 3" (75 mm) GREATER THAN THAT OF THE RCP.
- 6. CONNECTOR PIPES SHALL BE NOT MORE THAN 5' (1.5 m) ABOVE THE INVERT.
- 7. CONNECTOR PIPES SHALL ENTER MAIN LINE RCP RADIALLY.
- 8. WHEN CONNECTING TO A RCB, SPPWC 333 SHALL BE USED IF THE TOP OF THE CONNECTOR PIPE IS LESS THAN 12" (300 mm) BELOW THE SOFFIT OF THE RCB OR THE FLOW LINE OF THE PIPE IS LESS THAN 13" (330 mm) ABOVE THE FLOOR OF THE RCB AT THE INSIDE FACE.

CASE 2

- 9. SADDLE CONNECTIONS SHALL BE USED WHEN CONNECTING TO PIPES 21" (525 mm) OR LESS IN DIAMETER WITHOUT THE USE OF JUNCTION STRUCTURES OR PRECAST Y BRANCHES.
- 10. TRIM OR CUT SADDLE TO FIT SNUGLY OVER THE OUTSIDE OF THE MAIN PIPE SO ITS AXIS WILL BE ON THE LINE AND GRADE OF THE CONNECTING PIPE.
- 11. THE OPENING INTO THE PIPE SHALL BE CUT AND TRIMMED TO FIT THE SADDLE SO THAT NO PART WILL PROJECT WITHIN THE BORE OF THE SADDLE PIPE.
- 12. THE CONNECTOR PIPE SHALL BE SUPPORTED AS SHOWN IN CASE 1 AND CASE 3.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
PIPE CONNECTIONS TO EXISTING STORM DRAINS	335-2 SHEET 3 OF 3
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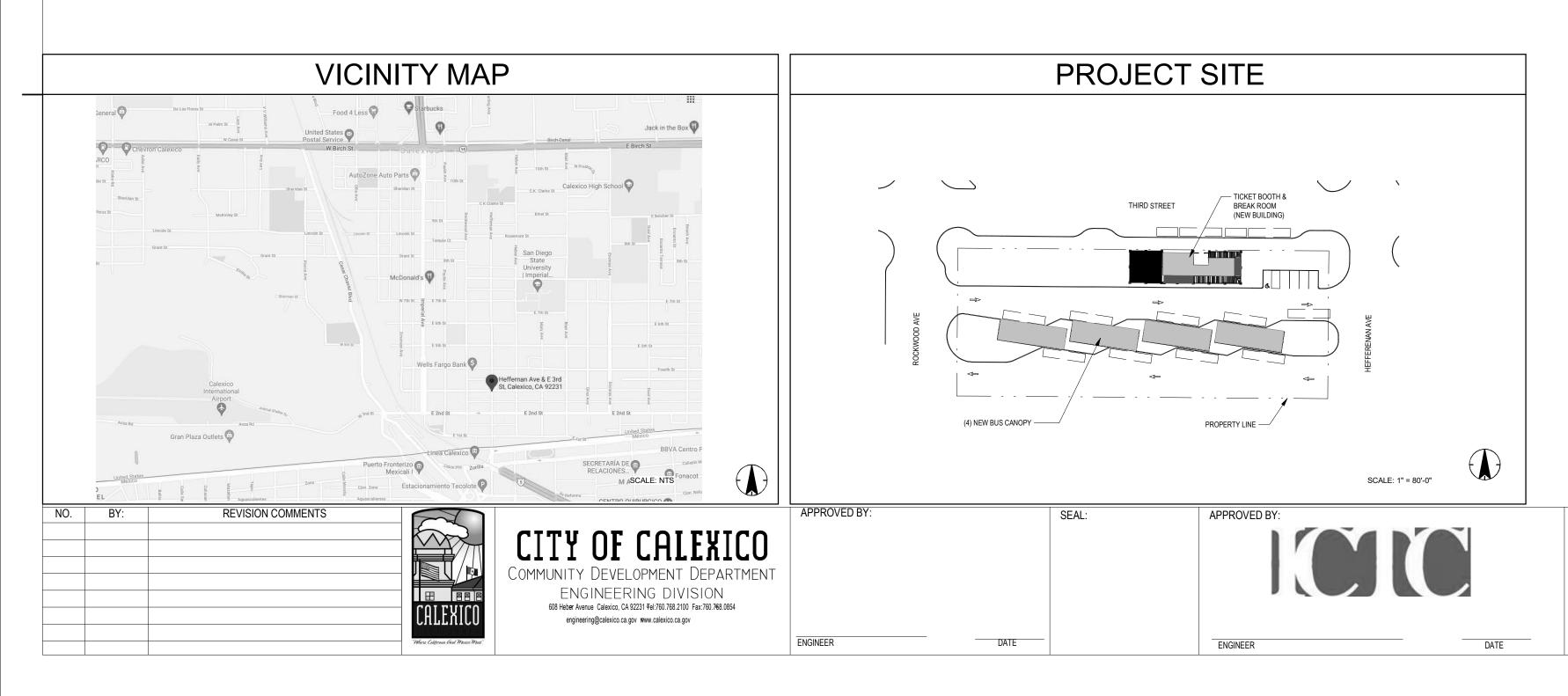
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PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

CIVIL DETAILS

SHEET TITLE:



## ARCHITECTURAL DRAWING LIST

A-001	GENERAL NOTES & SHEET INDEX
A-002	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS
A-010	CODE INFORMATION
A-013	CALGREEN CHECKLIST
A-051	TYPICAL MOUNTING HEIGHTS AND ACCESSIBILITY DETAILS
A-052	TYPICAL ACCESSIBILITY DETAILS
A-053	TYPICAL DETAILS AND GENERAL REGULATORY SIGNAGE
A-100	ARCHITECTURAL SITE PLAN
A-111	BUILDING - FLOOR PLAN
A-112	BUILDING - RCP
A-113	BUILDING - ROOF PLAN
A-121	BUS CANOPY - OVERALL PLANS
A-123	BUS CANOPY - ENLARGED PLANS
A-124	BUS CANOPY- ENLARGED ROOF PLAN
A-211	BUILDING - ELEVATIONS
A-212	BUILDING - ELEVATIONS
A-311	BUILDING - SECTIONS
A-312	BUILDING - SECTIONS
A-321	BUS CANOPY - ELEVATIONS AND SECTIONS
A-322	BUS CANOPY - DETAILS
A-331	BUILDING - WALL SECTIONS
A-400	BUILDING - INTERIOR PLANS & ELEVATIONS
A-401	BUILDING - INTERIOR ELEVATIONS
A-451	SITE ELEMENTS - FENCING & MISC
A-452	TRELLIS & SHADE CANOPY DETAILS
A-500	EXTERIOR & ROOF DETAILS
A-541	INTERIOR DETAILS
A-543	LADDER DETAILS
A-550	INTERIOR DETAILS - CEILING
A-600	FINISH SCHEDULE AND LEGEND
A-601	PARTITION TYPES
A-610	DOOR & WINDOW & LOUVER SCHEDULES, LEGEND AND GENERAL NOTES
A-611	DOOR & WINDOW & LOUVER DETAILS
A-711	BUILDING FINISH PLAN
A-712	BUILDING FINISH RCP
A-713	BUILDING & BUS CANOPY FINISH ELEVATION

## PROJECT SCOPE OF WORK

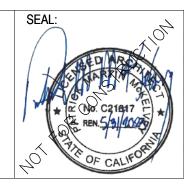
NEW INTERMODAL TRANSPORTATION CENTER FOR IMPERIAL COUNTY TRANSPORTATION COMMISSION (ICTC). THE PROPOSED TRANSPORTATION CENTER IS PLANNED TO INCLUDE A SINGLE-STORY TICKET BOOTH, BUS DRIVER BREAK ROOM, AND TOILETS THAT IS APPROXIMATELY 1,175 SQUARE FEET, TRELLIS, SHADE CANOPY NEAR BUILDING, AND (4) CANOPY AT BUS STOPPING AREA.

THE PROJECT IS LOCATED AT THE SOUTHWEST CORNER OF THE THIRD STREET AND HEFFERNAN AVENUE INTERSECTION (APN 058-484-001, APN 058-484-002, AND APN 058-484-003). THE PROJECT IS LOCATED IN DOWNTOWN CALEXICO IN THE VICINITY OF THE CENTER OF THE CITY. THE PROJECT SITE IS BOUND ON THE SOUTH BY A SERVICE ALLEY ACROSS WHICH EXISTING BUSINESSES EXIST.

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ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/202 PROJECT: ICTC FILE NAME: LAST REVISED:

## PROJECT GENERAL NOTES

E FOLLOWING GENERAL NOTES APPLY TO THE ENTIRE SET OF DRAWINGS AND ARE NOT SPECIFIC TO ANY ONE DISCIPLINE S THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES D SUPPLIERS WITH REQUIREMENTS OF THE CONTRACT BEFORE COMMENCING CONSTRUCTION, AND ASSURE THAT ALL RTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT CUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.

E WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON AWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE CROSS REFERENCE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE D SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR. E DRAWINGS AND SPECIFICATIONS ESTABLISH MINIMUM REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF THE

DJECT. CHITECT IS NOT RESPONSIBLE FOR ACCURACY OF EXISTING CONDITIONS SHOWN IN THESE DOCUMENTS. GC SHALL

NTACT ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE FIELD. E CONTRACTOR SHALL IDENTIFY AND NOTIFY IN WRITING TO THE ARCHITECT CONFLICTS BETWEEN THE WORK OF FERENT PARTIES, AND DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS AT THE EARLIEST SSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT AYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE PROVED IN ADVANCE BY THE ARCHITECT AND OWNER PRIOR TO PROCEEDING.

E GENERAL NOTES, SYMBOLS AND DEFINITIONS APPLICABLE TO EACH DISCIPLINE CAN BE FOUND AT THE FRONT OF EACH CIPLINE'S SET OF DRAWINGS AND IS LISTED AS PART OF THE OVERALL PROJECT INDEX OF DRAWINGS. SIC FIRE PROTECTION AND EXITING CONCEPTS ARE ILLUSTRATED BY THE LIFE SAFETY AND CODE PLANS ON THE 'G' RIES SHEETS. THE CONTRACTOR SHALL BE FAMILIAR WITH REQUIREMENTS AND CONSTRUCTION SHALL BE IN MPLIANCE WITH REFERENCED FIRE RATED ASSEMBLY TESTS AND STANDARDS.

E ARCHITECTURAL DRAWINGS ESTABLISH, COORDINATE, AS WELL AS TAKE PRECEDENCE FOR THE FINISHED PEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL TRADES, INCLUDING THAT WORK IICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES.

E DRAWINGS MAY MAKE REFERENCE TO AND/OR ILLUSTRATE ITEMS WHICH ARE NOT PART OF THE WORK OF THE NTRACT. THESE 'NOT IN CONTRACT' ITEMS AS INDICATED ARE REFERENCED AND/OR ILLUSTRATED FOR THE NTRACTORS REFERENCE, INFORMATION AND COORDINATION ONLY.

E CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES OF E PLACE (CITY, COUNTY,DISTRICT, AND STATE) WHERE THE PROJECT IS LOCATED. E CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND SIMILAR RELEASES REQUIRED FOR THE CONSTRUCTION AND

CUPANCY OF THE PROJECT. THE CONTRACTOR SHALL FURNISH COPIES OF ALL SUCH ITEMS TO THE OWNER AND CHITECT WITHIN 10 DAYS OF RECEIPT OF SUCH ITEMS. IF PERMITS ARE ISSUED SUBJECT TO CERTAIN CONDITIONS OR /ISIONS TO THE WORK OR IF PERMITS ARE DELAYED FOR ANY REASON, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY E OWNER AND ARCHITECT.

E CONTRACTOR SHALL COORDINATE AND OBTAIN ALL REQUIRED INSPECTIONS OF WORK, INCLUDING THAT PERFORMED OWNER. CONTRACTOR SHALL REGULARLY UPDATE OWNER AND ARCHITECT REGARDING THE STATUS OF INSPECTIONS. E CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN AND PROTECT NEW WORK AS WELL AS EXISTING SYSTEMS AND EMENTS WHICH ARE TO REMAIN. ANY DAMAGE TO SUCH SYSTEMS AND ELEMENTS SHALL BE IMMEDIATELY REPAIRED IN A NNER ACCEPTABLE TO THE ARCHITECT. IF SATISFACTORY REPAIRS CANNOT BE MADE, THE CONTRACTOR SHALL PLACE SYSTEMS AND ELEMENTS WITH NEW PRODUCTS ACCEPTABLE TO THE ARCHITECT. ALL REPAIRS AND PLACEMENT COSTS SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.

E CONTRACTOR SHALL COORDINATE ALL WORK WITH APPLICABLE UTILITY PROVIDERS.

E CONTRACTOR SHALL COORDINATE ALL MECHANICAL CHASE SIZES WITH MECHANICAL SUB-CONTRACTOR AND NOTIFY CHITECT WITH DISCREPANCIES IN THE FIELD.

E DRAWINGS SHALL NOT BE REPRODUCED FOR SUBMITTALS. DRAWINGS OR PORTIONS THEREOF USED FOR SUBMITTALS L BE REJECTED AND RETURNED TO THE CONTRACTOR WITHOUT THE APPROVAL OF THE ARCHITECT. E CONTRACTOR SHALL PROVIDE AND COORDINATE ALL BLOCK-OUTS, SLEEVES, INSERTS, BOLTS, PLATES, ETC. FOR ALL ADES PRIOR TO PLACING CONCRETE OR MASONRY.

E CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS AND SEQUENCES OF CONSTRUCTION. E CONTRACTOR SHALL PROMPTLY REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS. E CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER FOR DETAILS RELATED TO ALL SITE ACCESS AND REMOVAL PLANS. E CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH OWNER'S PROCEDURES FOR MAINTAINING A SECURE E AND BUILDING.

CH INSTALLER SHALL EXAMINE THE SUBSTRATE CONDITION AND/OR SITE CONDITIONS WHICH AFFECT THE QUALITY OF CH PRODUCT TO BE INSTALLED. IF ANY CONDITIONS EXIST WHICH WILL HAVE A DETRIMENTAL EFFECT ON THE QUALITY OF E INSTALLATION, THE INSTALLER SHALL IMMEDIATELY ADVISE THE CONTRACTOR. INSTALLATION SHALL NOT PROCEED TIL THE UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION OF PRODUCTS SHALL SIGNIFY ACCEPTANCE BY E INSTALLER OF THE SUBSTRATE CONDITIONS.

E CONTRACTOR SHALL MAINTAIN A CURRENT/UPDATED RECORD OF DRAWINGS ON SITE AT ALL TIMES. R THE PURPOSE OF PRICING/ESTIMATES, WHEN THERE IS A CONFLICT/DISCREPANCY IN THE DRAWINGS AND/OR ECIFICATIONS, THE CONTRACTOR SHALL PRICE THE HIGHER COST ITEM.

NTRACTOR AND SUBCONTRACTOR SHALL NOT SCALE CONSTRUCTION DOCUMENTS. \_ FINISH MATERIALS SHALL CONFORM TO C.B.C. FOR FLAME SPREAD AND SMOKE DEVELOPMENT, REFER TO SPECIFIC TERIAL SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS. E CONTRACTOR SHALL COORDINATE INFORMATION THAT IS PART OF ONE OR MORE SEPARATE BID PACKAGES WITH

E CONTRACTOR SHALL COORDINATE INFORMATION THAT IS PART OF ONE OR MORE SEPARATE BID PACKAGES WITH DITIONAL INFORMATION ISSUED IN THE BID PACKAGE. THE MULTIPLE BID PACKAGES SHALL CONSTITUTE A COMPLETE OJECT.

E CONTRACTOR SHALL COORDINATE ALL LOCATIONS AND SIZES OF HOUSEKEEPING PADS WITH MECHANICAL AND ECTRICAL SUB-CONTRACTORS.

JCH UP FIREPROOFING AT SUPPORT BEAMS/TRUSSES AS REQUIRED TO MEET FIRE PROOFING REQUIREMENTS. E CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DUST BARRIER AT EXISTING BUILDING FACILITIES ROUGHOUT CONSTRUCTION. E CONTRACTOR SHALL PROTECT ALL EXISTING BUILDING ELEMENTS.

E CONTRACTOR SHALL FROTLET ALL EXISTING BOLEDING ELEMENTS. E CONTRACTOR SHALL COORDINATE SCHEDULE AND PHASING WITH OWNER AND KEEP DISRUPTION OF EXISTING ERATIONS TO A MINIMUM.

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER SHEET TITLE:

GENERAL NOTES & SHEET INDEX

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A-001

SHEET:

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OF

	ABBREVIATIONS
AB	
ACT	ACOUSTICAL TILE
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE NO.
ALUM	ALUMINUM
ANOD	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AOW	AREA OF WORK
APPD	APPROVED
APPROX	APPROXIMATELY
ARCH	ARCHITECT
ASSY AUTO	ASSEMBLY AUTOMATIC/AUTOMATION
AUTO AVG	AVERAGE
AVG	AMERICAN WOODWORKING INSTITUTE
AWT	ACCOUSTICAL WALL TREATMENT
B/B	BACK TO BACK
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLST	BALLAST
BM	BEAM/BENCH MARK
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
C/C CAB	CENTER TO CENTER
CAB CB	CABINET CATCH BASIN
CB CBB	CEMEMTITOUS BACKER BOARD
CEM	
	CEMENT CEMENT PLASTER
CER	CERAMIC
CF	CUBIC FOOT / FEET
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFLG	COUNTER FLASHING
CFMF	COLD FORMED METAL FRAMING
CG	CORNER GUARD
CIP	CAST IN PLACE
CJ	CONTROL JOINT / CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR CLT	CLEAR
	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
	CONCRETE
COND	CONDITION
CONST	CONSTRUCTION
CONT	CONTINUE / CONTINUATION / CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COP	COPING
CORR	CORRIDOR
CPT	CARPET
CSK	
CT	
CTR CU FT	CENTER CUBIC FOOT / CUBIC FEET
CU FI CU YD	
CUTD	COLD WATER
D	DEPTH / DEEP
DBL	DOUBLE
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DET	DETAIL
DETN	DETENTION
DF	
DIA	DIAMETER
DIAG	DIAGONAL
	DIMENSION
DMPF DN	DAMPPROOFING DOWN
DN DR	DOWN DOOR / DRAIN
DR DS	DOOR / DRAIN
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	REFERENCE ELEVATION
EL	EASEMENT LINE
	ELECTRIC / ELECTRICAL
ELEC	ELEVATOR / ELEVATION
ELEC ELEV	EMERGENCY
ELEV	ENCLOSURE
ELEV EMER ENCL ENGR	ENCLOSURE ENGINEER / ENGINEERING
ELEV EMER ENCL ENGR EOS	ENCLOSURE ENGINEER / ENGINEERING EDGE OF SLAB
ELEV EMER ENCL ENGR EOS EPDM	ENCLOSURE ENGINEER / ENGINEERING EDGE OF SLAB ETHYLENE PROPYLENE DIENE MONOMOR
ELEV EMER ENCL ENGR EOS EPDM EQ	ENCLOSURE ENGINEER / ENGINEERING EDGE OF SLAB ETHYLENE PROPYLENE DIENE MONOMOR EQUAL
ELEV EMER ENCL ENGR	ENCLOSURE ENGINEER / ENGINEERING EDGE OF SLAB ETHYLENE PROPYLENE DIENE MONOMOR

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	ABBREVIATIONS
EST	
ETC	ET CETERA
EW EWC	EACH WAY ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED / EXPAND / EXPANSION
EXT F / F	EXTERIOR / EXTERNAL / EXTINGUISHER FACE TO FACE
F F EL	FINISHED FLOOR ELEVATION
F&W	
FA FACP	FIRE ALARM / FACE AREA / FRESH AREA FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN
FDTN	FOUNDATION
FDV FE	FIRE DEPARTMENT VALVE CABINET
FEC	FIRE EXTINGUISHER CABINET
FF INSUL	FOIL BACKED INSULATION
FH	FIRE HYDRANT / FIRE HOSE
FHC FIN	FIRE HOSE CABINET
FIN GR	FINISHED GRADE
FIXT FL	
FLR	FLOW LINE / FLOOR LINE FLOOR / FLOORING
FLUOR	FLUORESCENT
FR	FRAME / FIRE RATED / FIRE RETARTANT
FT FTG	FOOT / FEET / FIRE TREATED / FULLY TEMPERED FOOTING
FURG	FURRING
FURN	FURNISH / FURNITURE
FUT FVC	FUTURE FIRE VALVE CABINET
GA	GAGE
GAL	GALLONS
GALV GC	GALVANIZED GENERAL CONTRACTOR
GEN	GENERAL / GENERATOR
GI	
GL GLZ	GLASS / GROUND LEVEL GLAZING
GND	GROUND
GYP BD	GYPSUM BOARD
GYP SHTG HC	GYPSUM SHEATHING BOARD. HANDICAPPED ACCESSIBLE / HOLLOW CORE
HD	HEAD / HEAVY DUTY
HDW	HARDWARE
HDWD HM	HARDWOOD HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT / HORSEPOWER / HIGH PRESSURE
	HEIGHT
HVAC	HEIGHT HEATING VENTILATION AND AIR CONDITIONING HOT WATER
HVAC HW	HEATING VENTILATION AND AIR CONDITIONING
HVAC HW HWH ID	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN
HT HVAC HW HWH ID IF IN	HEATING VENTILATION AND AIR CONDITIONING HOT WATER HOT WATER HEATER
HVAC HW HWH ID IF IN INCAND	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCANDESCENT
HVAC HW HWH ID IF IN INCAND INCL	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCANDESCENT         INCLUDING
HVAC HW HWH ID IF IN INCAND INCL INSTL	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCANDESCENT
HVAC HW HWH ID IF IN INCAND INCL INSTL INSUL	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCLUDING         INSTALL
HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSTL INSUL INT INV	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCANDESCENT         INSULATE / INSULATION         INSULATE / INSULATION         INTERIOR / INTERNAL         INVERT
HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSUL INSUL INT INV EL	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCANDESCENT         INSULATE / INSULATION         INSULATE / INTERNAL
HVAC HW HWH ID IF IN INCAND INCL INSTL INSTL INSUL INSUL INT INV INV EL J BOX	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITOR
HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSTL INSUL INT INV INV EL J BOX JAN JAN CLO	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERTJUNCTION BOXJANITORJANITOR CLOSET
HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSUL INSUL INT INV EL J BOX JAN JAN CLO JT	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERTJUNCTION BOXJANITORJOINT
HVAC HW HWH ID IF IN INCAND INCAND INCL INSUL INSUL INSUL INT INV EL J BOX JAN JAN CLO JT KIT	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERTJUNCTION BOXJANITORJANITOR CLOSET
HVAC HW HWH ID IF IN INCAND INCAND INCAND INCAND INCAND INCAND INCEL J BOX JAN JAN CLO JT KIT LAB LAM	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATE
HVAC HW HWH ID IF IN INCAND INCAND INCAND INCL INSTL INSUL INSUL INSUL INT INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAWINATELAVATORY
HVAC HW HWH ID IF IN INCAND INCL INSTL INSUL INT INV INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV LBS	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATE
HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSUL INSUL INT INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV LBS LF LH	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERTJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATELAVATORYPOUNDSLINEAR FEETLEFT HAND
HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSUL INT INV INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV LBS LF LH LH	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATELAVATORYPOUNDSLINEAR FEETLEFT HANDLONG LEG HORIZONTAL
HVAC HW HWH ID IF IN INCAND INCL INSTL INSUL INT INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV LBS LF LH LH LLH	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERTJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATELAVATORYPOUNDSLINEAR FEETLEFT HAND
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HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSUL INT INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAW LAB LAM LAV LBS LF LH LLH LLH LLH LLT LTG	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATELAVATORYPOUNDSLINEAR FEETLEFT HANDLONG LEG HORIZONTALLOW POINTLIGHTLIGHTLIGHTING
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HVAC HW HWH ID IF IN INCAND INCAND INCL INSTL INSTL INSTL INSTL INSTL INV INV EL J BOX JAN JAN CLO JT KIT LAB LAW LAV LBS LF LH LAW LBS LF LH LH LUY LBS LF LH LH LUY LBS LF LH LH LUY LBS C MAINT MAS MATL MAS MATL MAS MATL MAS MATL MAS MATL MAS MATL MAS MFG MFR MIN MISC ML MO BIT MR	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITOR CLOSETJOINTKITCHENLABORATORYLAVATORYPOUNDSLINER FEETLEFT HANDLONG LEG HORIZONTALLONG LEG VERTICALLOW POINTLIGHTLIGHTINGLOUYERMAINTENANCEMASONRYMATERIALMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURERMANUFACTURERMANUFACTURERMANUFACTURERMASONRY OPENING
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HVAC HW HWH ID ID IF IN INCAND INCL INSTL INSUL INSTL INSUL INT INV INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV LBS LF LH LLH LLV LPT LT LTG LVR MAINT MAS MATL MAS MATL MAS MATL MECH MED MFG MFR MIN MISC ML MO MOD BIT MR MS MTD	HEATING VENTILATION AND AIR CONDITIONINGHOT WATERHOT WATER HEATERINSIDE DIAMETER / INTERIOR DESIGNINSIDE FACE / INTAKE FANINCHESINCANDESCENTINCLUDINGINSTALLINSULATE / INSULATIONINTERIOR / INTERNALINVERTINVERT ELEVATIONJUNCTION BOXJANITORJANITOR CLOSETJOINTKITCHENLABORATORYLAMINATELAVATORYPOUNDSLINER FEETLEFT HANDLONG LEG VERTICALLOW POINTLIGHTINGLOVERMANITENANCEMASONRYMATERIALMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMANUFACTURINGMASONRY OPENINGMODIFILE DITUMENMODIFILE DITUMENMODIFILE DITUMENMONTEDMONTED
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HVAC HW HWH ID ID IF IN INCAND INCL INSTL INSUL INSTL INSUL INT INV EL J BOX JAN JAN CLO JT KIT LAB LAM LAV LBS LF LH LLH LLV LBS LF LH LLH LLV LPT LT LTG LVR MAINT MAS MATL MAX MECH MED MFG MFR MIN MISC ML MO MOD BIT MR MS MTL	HEATING VENTILATION AND AIR CONDITIONING         HOT WATER         HOT WATER HEATER         INSIDE DIAMETER / INTERIOR DESIGN         INSIDE FACE / INTAKE FAN         INCHES         INCANDESCENT         INCLUDING         INSULATE / INSULATION         INTERIOR / INTERNAL         INVERT         INVERT ELEVATION         JUNCTION BOX         JANITOR         JANITOR         JANITOR CLOSET         JOINT         KITCHEN         LABORATORY         LAVATORY         POUNDS         LINEAR FEET         LEFT HAND         LONG LEG VERTICAL         LOW POINT         LIGHT         LIGHTNIG         LOUVER         MANUTENANCE         MASONRY         MATERIAL         MANUFACTURING         MAUFACTURER         MANUFACTURER         MANUFACTURER         MANUFACTURER         MANUFACTURER         MANUFACTURER         MODIFIED BITUMEN         MODIFIED BITUMEN         MODIFIED         MOUNTED

REVISION COMMENTS NO. BY: m CALEXICO



ENGINEER

## ABBREVIATIONS

NCOMBL NEG

NOM

NTS

OF/CI OF/OI OFF

OPNG

OPP

ORD ORIG

ORN

ORS

PBD PCC

PERF

PERM

PLAM

PLYWD

PNL

POL

POT

PREFAB PREFIN

PRELIM PREP

PROJ

PTD

REBAR REC

REF REINF REM REQD

REV RGD INS

ROW

RSHGC

SALV SAN SASM

SCHED SCHEM SCP SCWD SEC SECT

SHT MTL FLASH HTHG

SMACNA

SMD SPD SPEC

SPLY SPRT

SSD

DATE

SEAL

PTN **PVC** PVMT

PT CONC

PLAS PLBG

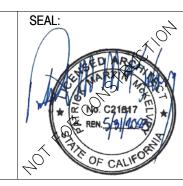
	>
NONCOMBUSTIBLE NEGATIVE	
NOT IN CONTACT NUMBER	
NOMINAL	
NOT TO SCALE OUT TO OUT	
OVERALL / OUTSIDE AIR	
OUTSIDE DIAMETER / OUTSIDE DIMENSION OUTSIDE FACE	
OWNER FURNISHED/CONTRACTOR INSTAL	LED
OWNER FURNISHED/OWNER INSTALLED	
OPPOSITE HAND / OVERHEAD / OVERHANG	i
OPENING	
OPPOSITE OVERFLOW ROOF DRAIN	
ORIGINAL	
ORNAMENTAL	
OVERFLOW ROOF SCUPPER PATTERN	
PATTERN PARTICLE BOARD	
PRECAST CONCRETE	
PERFORATED	
PERMANENT PLATE / PROPERTY LINE	
PLASTIC LAMINATE	
PLASTER / PLASTIC	
PLUMBING PLYWOOD	
PANEL	
PATH OF TRAVEL PAIR / PIPE RAIL	
PREFABRICATED	
PREFINISHED	
PRELIMINARY PREPARATION	
PROJECT	
PAINT / PRESSURE TREATED	
POST TENSION CONCRETE PAINTED / PAPER TOWEL DISPENSER	
PARTITION	
PAVEMENT QUARRY TILE	
QUANTITY	
RADIUS / RISER	
RETURN AIR RUBBER BASE / RESILIENT BASE	
RUBBER	
REFLECTED CEILING PLAN	
ROOF DRAIN REINFORCED STEEL BAR	
RECESSED	
REINFORCED / REINFORCEMENT	
REQUIRED	
RIGID INSULATION RIGHT HAND	
ROOF LEADER	
RAILING ROOM	
ROOM ROUGH OPENING	
RIGHT OF WAY	
REFERENCE POINT	
RELATIVE SOLAR HEAT GAIN COEFFICIENT RATING	
ROOF TOP UNIT	
REVEAL	
SOUTHSALVAGE	
SANITARY	
SELF-ADHERING SHEET MEMBRANE	
SPLASH BLOCK SCHEDULE / SCHEDULED	
SCHEDOLED	
SCUPPER	
SOLID CORE WOOD DOOR SECOND	
SECTION	
SEE ELECTRICAL DRAWINGS	
SQUARE FOOT / SQUARE FEET / SUPPLY FA SINGLE	AN
SINGLE	
SHEET METAL FLASHING	
SHEATHING	
SEE INDUSTRIAL DRAWINGS	
SIMILAR	
SEALANT SHEET METAL / SMALL / SURFACE MOUNTE	D
SHEET METAL AIR CONDITIONING CONTRA	
ASSOCIATION SEE MECHANICAL DRAWINGS	
SEE PLUMBING DRAWINGS	
SPECIFICATION(S)	
SUPPLY SUPPORT	
SQUARE	
SEE STRUCTURAL DRAWINGS	
APPROVED BY:	

007	ABBREVIATIONS
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STL JST	STEEL JOIST
STOR	STORAGE STRUCTURAL
STRUCT SUPV	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SYMM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T&L	TOILET & LOCKER
TBD	TO BE DETERMINED
TECH	TECHNOLOGY
TEL	TELEPHONE
TEMP	TEMPERATURE / TEMPORARY
TERR	TERRAZZO
ТНК	THICK / THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TMPD GL	TEMPERED GLASS
ТО	TOP OF
TOC	TOP OF CONCRETE / TOP OF CURB
ТОЈ	TOP OF JOIST
ТОМ	TOP OF MASONRY
TOP	TOP OF PARAPET / TOP OF PAVEMENT
TOS	TOP OF STEEL / TOP OF SLAB
TOW	TOP OF WALL
TRTD	TREATED
TS	TUBE STEEL
ТҮР	TYPICAL
UBC	UNIFORM BUILDING CODE
UC	UNDERCUT
UL	UNDERWRITER'S LABORATORIES
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VNR	VENEER
VT	VISIBLE TRANSMITTANCE
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST / WIDTH / WIDE
W/	WITH
W/O	WITHOUT
WBL	WOOD BLOCKING
WC	WATER CLOSET / WALL COVERING
WD	WOOD / WOOD DOOR
WDW	WINDOW
WF	WIDE FLANGE
WGL	WIRED GLASS
WH	WATER HEATER / WEEP HOLE
WO	WHERE OCCURS
WP	WATERPROOFING / WORKING POINT
WR	WATER RESISTANT / WEATHER RESISTANT
WT	
WWF	WELDED WIRE FABRIC
YD	YARD / YARDS

ENGINEER OF WORK:

DATE

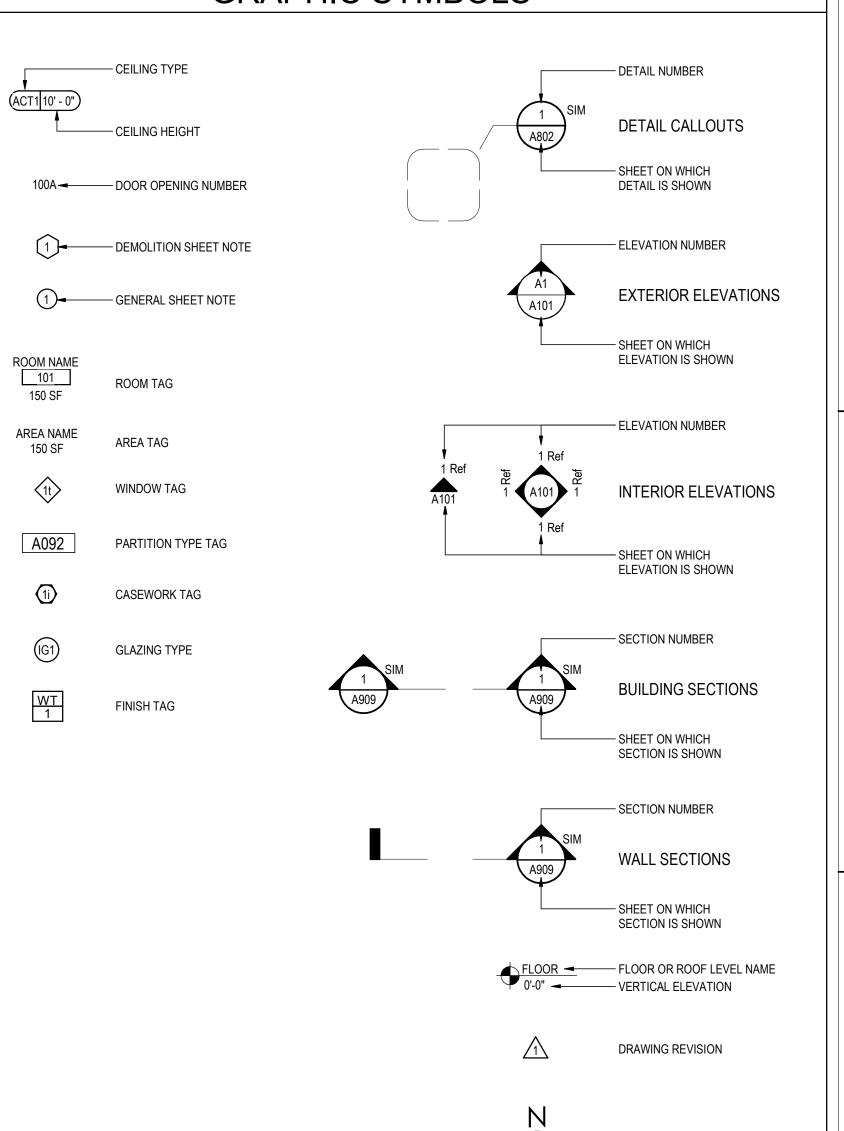




DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

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## **GRAPHIC SYMBOLS**



CONSTRUCTION OR A-002 SHEET: A SUBN 8 00

23

OF

143

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

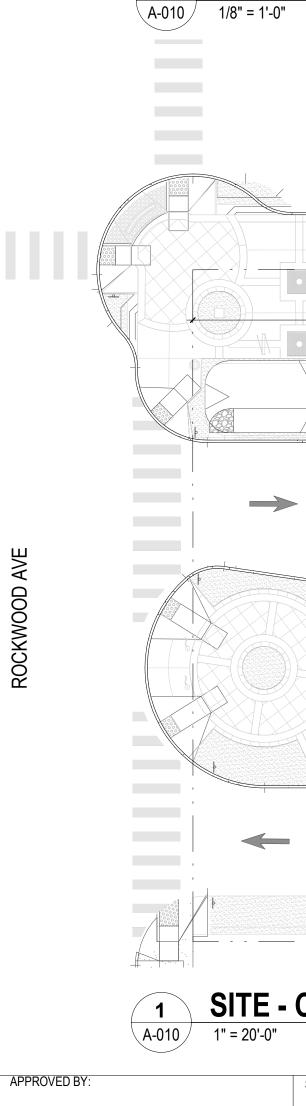
NORTH ARROW

ARCHITECTURAL SYMBOLS AND ABBREVIATIONS

## GENERAL INFORMATION

OWNER: IMPERIAL COUNTY TRANSPORTATION COMMISSION (ICTC)								
	SITE ADDRESS: 244 E 3RD STREE	T, CALEXICO, CA 92231						
	AUTHORITY HAVING CITY OF CALEXIC AND SAFETY, FIR	ORKS, BUILDING						
	PART 1 - CALIF PART 2 - CALIF PART 3 - CALIF PART 5 - CALIF PART 6 - CALIF PART 9 - CALIF PART 11 - CALI PART 12 - CALI	ODE OF REGULATIONS (C ORNIA BUILDING STANDA ORNIA BUILDING CODE ( ORNIA ELECTRICAL COD ORNIA PLUMBING CODE ORNIA ENERGY CODE ORNIA FIRE CODE FORNIA GREEN BUILDING FORNIA REFERENCE STA JPPLEMENTS AND ERRAT	ARDS ADMINISTRATI CBC) E (CEC) (CPC) G STANDARDS CODE	E (CALGREEN)				
	CITY OF CALEXICO N	IUNICIPAL CODES AND A	MENDMENTS, 1995 N	IODIFIED				
	UNIFORM BUILDIN UNIFORM PLUMBI NATIONAL ELECT UNIFORM MECHA FIRE PREVENTION UNIFORM FIRE CO	NG CODE 1997 RICAL CODE 1996 NICAL CODE 1997 N CODE 1991						
		E SAFETY / OCCUPANCY COUNTS AND MEANS OF						
				ION.				
	INTENDED TO PRO	EL IS ZONED AS "CS" CO OVIDE FOR THOSE COMM NT CENTRALIZED IN THE	IERCIAL USES INCLU	JDING MIXED-				
	CHAPTER 17.05 - 0 MAXIMUM HEIGHT LOT COVERAGE - SETBACK - 12' FR 12' SIE 0' RE		ES WHICHEVER IS LE	·				
	CHAPTER 17.13.13 C. PUBLIC AND SE	EXICO - CODE OF ORDIN 30 - SCHEDULE OF OFF-S EMI-PUBLIC USES - 6. PUE REET PARKING REQ. TO E	TREET PARKING REG	QUIREMENTS -				
	5 TOTAL PARKING 1 ACCESSIBLE AN	S SPACES. ND 4 PARKING SPACES P	ROVIDED. SEE SITE	PLAN A-100				
	BUILDING	AREA (SF)	CONSTRUCTION TYPE	OCCUPANCY GROUP	КЕ			
	TICKET BOOTH & BREAK ROOM (NEW)	1,175 SF	TYPE V-B, NON- SPRINKLERED	B / S-2	OCKWOOD AVE			

TICł BOC		
E	}	
AREA	223 SF	
OLF	150	
000	2	



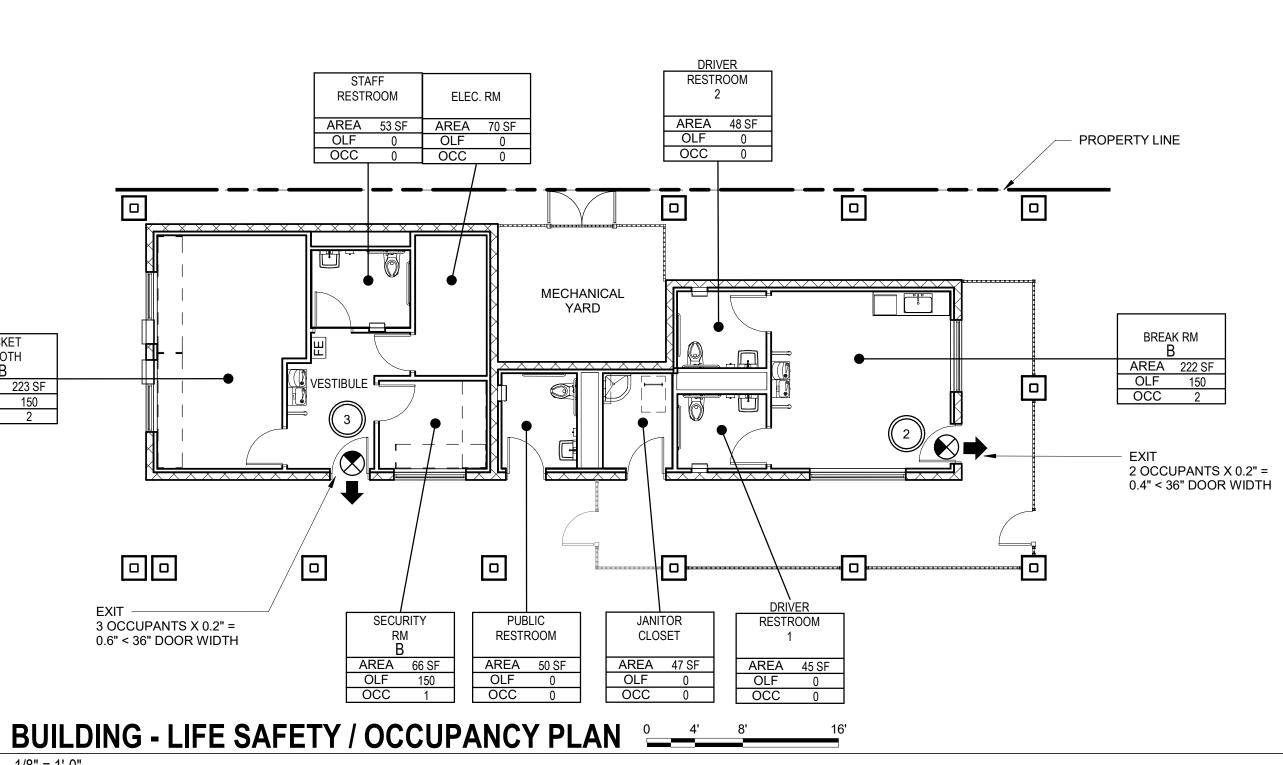
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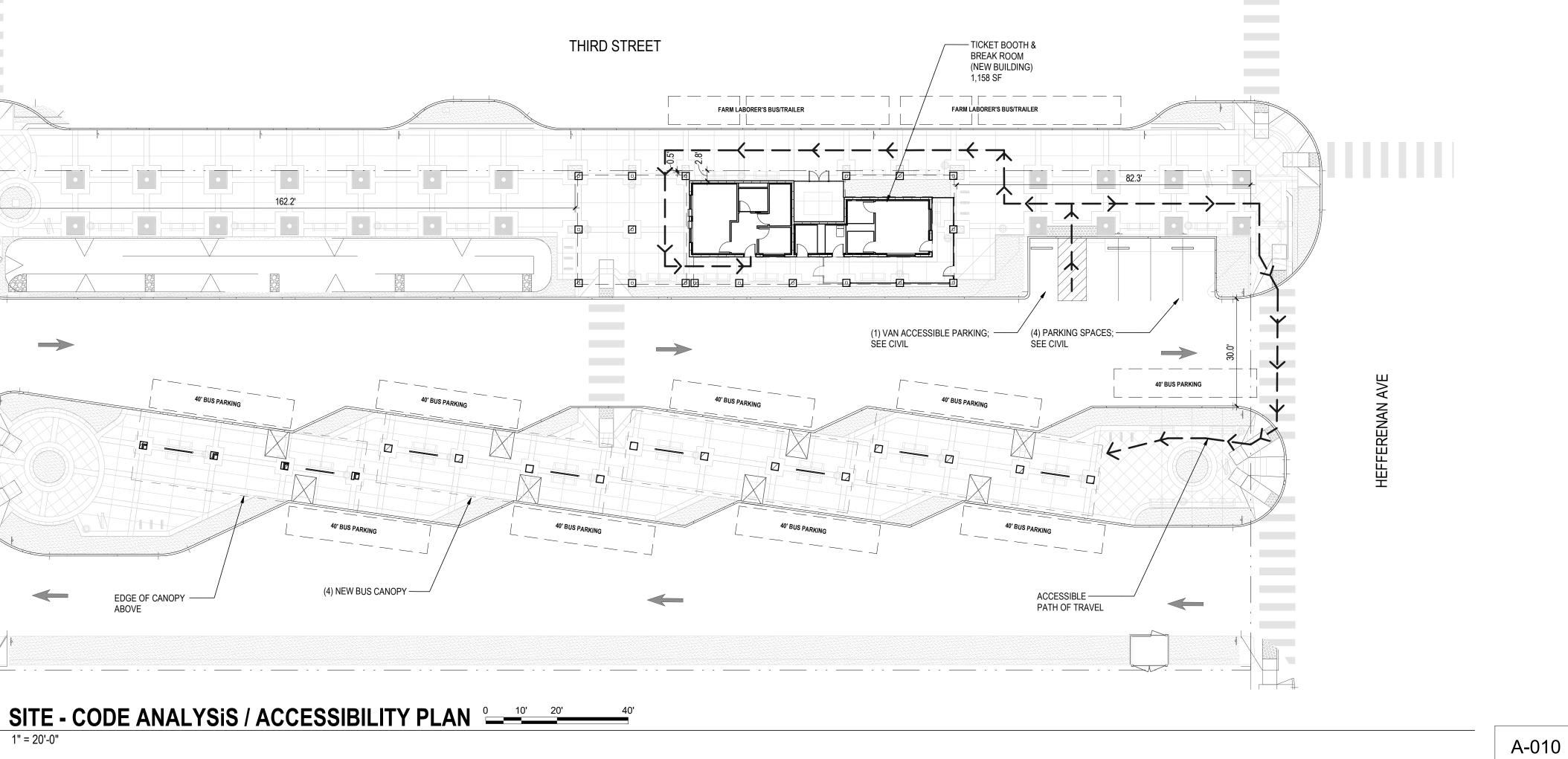
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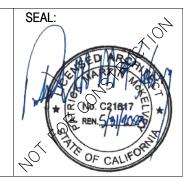
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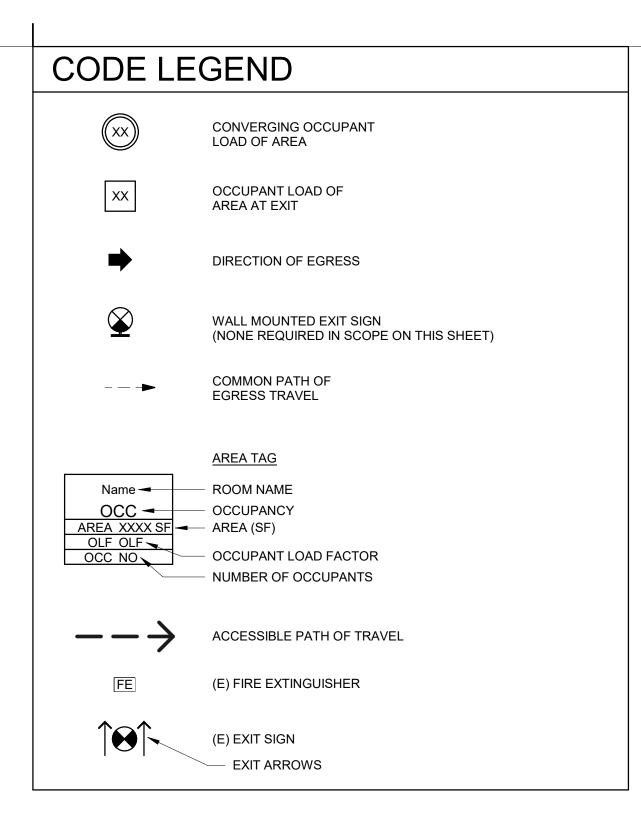


ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED



PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

CODE INFORMATION

SHEET:

24

OF

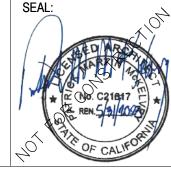
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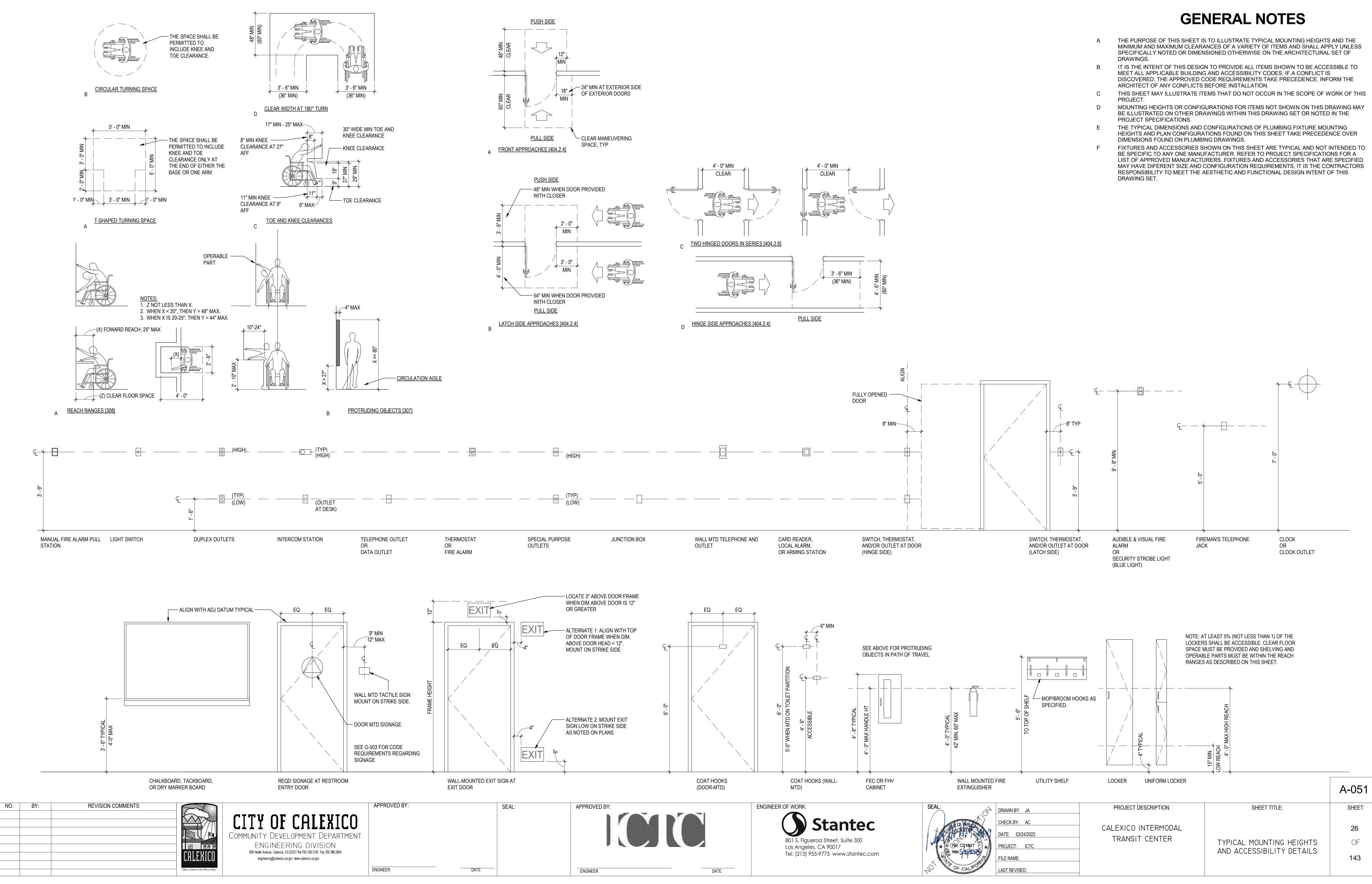
## 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

TION	MEASURE	REQUIREMENTS	SHEET REFERENCE	SECTION	MEASURE	REQUIREMENTS	SHEET REFERENCE	SECTION	MEASURE	REQUIREMENTS	SHEET REFERENCE		
6.1	STORM WATER POLLUTION PREVENTION	NEWLY CONSTRUCTED PROJECTS AND ADDITIONS WHICH DISTURB LESS THAN ONE ACRE OF LAND SHALL PREVENT THE POLLUTION OF STORMWATER RUNOFF FROM THE CONSTRUCTION ACTIVITIES THROUGH ONE OR MORE OF THE FOLLOWING MEASURES. 5.106.1.1 LOCAL ORDINANCE	CIVIL	5.410.4	TESTING AND ADJUSTING	TESTING AND ADJUSTING OF SYSTEMS IS REQUIRED FOR NEW BUILDINGS LESS THAN 10,000 SQUARE FEET OR NEW SYSTEMS TO SERVE AN ADDITION OR ALTERATION SUBJECT TO SECTION 303.1. 5.410.4.2 SYSTEMS. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND	LANDSCAPE/ PLUMBING/ MECH/ ELEC	5.504	POLLUTANT CONTROL	5.504.4.3 PAINTS AND COATINGS. THESE SHALL MEET THE STATED REQUIREMENTS. TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL	ARCH		
5.4	BICYCLE PARKING	5.106.1.2 BEST MANAGEMENT PRACTICES (BMP) 5.106.4.1.1 SHORT TERM BICYCLE PARKING. IF THE NEW PROJECT OR AN ADDITION OR ALTERATION IS ANTICIPATED TO GENERATE VISITOR TRAFFIC, PROVIDE PERMANENTLY	LANDSCAPE			ADJUSTING SYSTEMS.SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALLINCLUDE, AS APPLICABLE TO THE PROJECT:1. HVAC SYSTEMS AND CONTROLS.2. INDOOR AND OUTDOOR LIGHTING AND CONTROLS.2. INDOOR AND OUTDOOR LIGHTING AND CONTROLS.3. WATER HEATING SYSTEMS.4. RENEWABLE ENERGY SYSTEMS.				IABLE 5.504.4.5 - VOC CONTENT LIMITS FOR ARCHITECTURAL         COATINGS <sup>2,3</sup> GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT         COMPOUNDS         COATING CATEGORY			
		ANCHORED BICYCLE RACKS WITHIN 200 FEET OF THE VISITORS' ENTRANCE, READILY VISIBLE TO PASSERS-BY, FOR 5 PERCENT OF NEW VISITOR MOTORIZED VEHICLE PARKING SPACES BEING ADDED, WITH A MINIMUM OF ONE TWO-BIKE CAPACITY RACK. <b>EXCEPTION:</b> ADDITIONS OR ALTERATIONS WHICH ADD NINE OR LESS VEHICULAR PARKING SPACES.		5.410.4	TESTING AND ADJUSTING	<ul> <li>5. LANDSCAPE IRRIGATION SYSTEMS.</li> <li>6. WATER REUSE SYSTEMS.</li> <li>5.410.4.3 PROCEDURES. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND APPLICABLE STANDARDS ON EACH SYSTEM.</li> </ul>	LANDSCAPE/ PLUMBING/ MECH/ ELEC			FLAT COATINGS     50       NONFLAT COATINGS     100       NONFLAT HIGH GLOSS COATINGS     150			
ļ	BICYCLE PARKING	5.106.4.1.2 LONG TERM BICYCLE PARKING. FOR NEW BUILDINGS WITH 10 OR MORE OCCUPANTS OR FOR ADDITIONS OR ALTERATIONS THAT ADD 10 OR MORE TENANT VEHICULAR SPACES, PROVIDE SECURE BICYCLE PARKING FOR 5 PERCENT OF THE TENANT VEHICULAR PARKING SPACES BEING ADDED. WITH A MINIMUM OF ONE SPACE. ACCEPTABLE	N/A	5.410.4	TESTING AND ADJUSTING	<b>5.410.4.3.1 HVAC BALANCING.</b> IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE-CONDITIONING SYSTEM IS OPERATED FOR NORMAL USE, BALANCE PER STATED STANDARDS.	MECH			ALUMINUM ROOF COATINGS400BASEMENT SPECIALTY COATINGS400BITUMINOUS ROOF COATINGS50BITUMINOUS ROOF PRIMERS350			
		PARKING FACILITIES SHALL BE CONVENIENT FROM THE STREET AND SHALL MEET ONE OF THE FOLLOWING: 1. COVERED LOCKABLE ENCLOSURES WITH PERMANENTLY ANCHORED RACKS FOR BICYCLES; 2. LOCKABLE BICYCLE ROOMS WITH PERMANENTLY ANCHORED RACKS; OR 3. LOCKABLE, PERMANENTLY ANCHORED BICYCLE LOCKERS.		5.410.4	TESTING AND ADJUSTING	<b>5.410.4.4 REPORTING.</b> AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.	LANDSCAPE/ PLUMBING/ MECH/ ELEC			BOND BREAKERS350CONCRETE CURING COMPOUNDS350CONCRETE/MASONRY SEALERS100DRIVEWAY SEALERS50DRY FOG COATINGS150			
5.2	DESIGNATED PARKING FOR CLEAN AIR VEHICLES	IN NEW PROJECTS OR ADDITIONS OR ALTERATIONS THAT ADD 10 OR MORE VEHICULAR PARKING SPACES, PROVIDE DESIGNATED PARKING FOR ANY COMBINATION OF LOW- EMITTING, FUEL EFFICIENT, AND CARPOOL / VAN POOL VEHICLES PER TABLE 5.106.5.2.	N/A	5.410.4	TESTING AND ADJUSTING	5.410.4.5 OPERATION AND MAINTENANCE MANUAL. PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES / WARRANTIES FOR EACH SYSTEM. 0&M INSTRUCTIONS SHALL BE CONSISTENT WITH OSHA REQUIREMENTS IN CCR, TITLE 8, SECTION 5142 AND OTHER RELATED REGULATIONS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.	LANDSCAPE/ PLUMBING/ MECH/ ELEC			DRY FOG COATINGS150FAUX FINISHING COATINGS350FIRE RESISTIVE COATINGS350FLOOR COATINGS100FORM-RELEASE COMPOUNDS250GRAPHIC ARTS COATINGS (SIGN PAINTS)500HIGH-TEMPERATURE COATINGS420INDUSTRIAL MAINTENANCE COATINGS250			
5.3	ELECTRICAL VEHICLE (EV) CHARGING	CONSTRUCTION FACILITATING FUTURE INSTALLATION OF ELECTRICAL VEHICLE SUPPLY EQUIPMENT (EVSE).	N/A	5.503	FIREPLACES	FIREPLACES MUST COMPLY WITH LISTED REQUIREMENTS.	N/A; NO FIREPLACE IN PROJECT.			LOW SOLIDS COATINGS1120MAGNESITE CEMENT COATINGS450MASTIC TEXTURE COATINGS100METALLIC PIGMENTED COATINGS500			
.8	LIGHT POLLUTION REDUCTION	OUTDOOR LIGHT FIXTURES REQUIREMENTS.	ELECTRICAL	5.504	POLLUTANT CONTROL	5.504.1 TEMPORARY VENTILATION. REQUIREMENT ADDRESSES USE AND PROTECTION OF PERMANENT HVAC SYSTEM DURING CONSTRUCTION.	MECH			MULTICOLOR COATINGS250PRETREATMENT WASH PRIMERS420PRIMERS, SEALERS, & UNDERCOATERS100REACTIVE PENETRATING SEALERS350			
.10	GRADING AND PAVING	CONSTRUCTION PLANS SHALL INDICATE HOW SITE GRADING OR A DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS.	CIVIL	5.504	POLLUTANT CONTROL	5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. SECTION OUTLINES REQUIREMENTS.	MECH			RECYCLED COATINGS50ROOF COATINGS250RUST PRVENTATIVE COATINGS250SHELLACS:100			
1	WATER METERS	SEPARATE SUBMETERS OR METERING DEVICES SHALL BE INSTALLED FOR THE USES DESCRIBED IN SECTIONS 5.303.1.1 AND 5.393.1.2.	PLUMBING	5.504	POLLUTANT CONTROL	5.404.4.1 ADHESIVES, SEALANTS AND CAULKS. THESE SHALL MEET THE STATED REQUIREMENTS.	ARCH			CLEAR730OPAQUE550SPECIALTY PRIMERS, SEALERS, & UNDERCOATERS100			
	WATER CONSERVING PLUMBING FIXTURES FOOD WASTE	PLUMBING FIXTURES (WATER CLOSETS, URINALS, FAUCETS) SHALL COMPLY WITH NOTED EFFICIENCY REQUIREMENTS. DISPOSERS SHALL MODULATE THE USE OF WATER OR AUTOMATICALLY SHUT OFF AFTER NO	PLUMBING			TABLE 5.504.4.1 - ADHESIVE VOC LIMIT <sup>1,2</sup>				STAINS250STONE CONSOLIDANTS450SWIMMING POOL COATINGS340TRAFFIC MARKING COATINGS100			
2	DISPOSERS OUTDOOR WATER USE	MORE THAN 10 MINUTES OF INACTIVITY. OUTDOOR WATER USE IN LANDSCAPE AREAS EQUAL TO OR GREATER THAN 500 SQUARE FEET MUST MEET ONE OF TWO NAMED ORDINANCES.	N/A; LANDSCAPE			Less Water and Less Exempt Compounds in Grams per Liter         ARCHITECTURAL APPLICATIONS       CURRENT VOC LIMIT         INDOOR CARPET ADHESIVES       50				TUB & TILE REFINISH COATINGS420WATERPROOFING MEMBRANES250WOOD COATINGS275WOOD PRESERVATIVES350			
5	OUTDOOR WATER USE		LANDSCAPE			CARPET PAD ADHESIVES50OUTDOOR CARPET ADHESIVES150WOOD FLOORING ADHESIVES100RUBBER FLOOR ADHESIVES60SUBFLOOR ADHESIVES50				ZINC-RICH PRIMERS       340         1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER &         EXEMPT COMPOUNDS			
	OUTDOOR WATER USE	THAN 2,500 SQUARE FEET MUST MEET ONE OF TWO NAMED ORDINANCES. OUTDOOR WATER USE IN A PROJECT WITH 2,500 SQUARE FEET OR LESS OF LANDSCAPE AREA MUST COMPLY WITH THE PERFORMANCE OR PRESCRIPTIVE MWELO REQUIREMENTS.	LANDSCAPE			CERAMIC TILE ADHESIVES65VCT & ASPHALT TILE ADHESIVES50DRYWALL & PANEL ADHESIVES50				<ol> <li>2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.</li> <li>3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY</li> </ol>			
5	GRAYWATER/ RAINWATER	GRAYWATER OR RAINWATER USE IN LANDSCAPE AREAS. FOR PROJECTS USING TREATED OR UNTREATED GRAYWATER OR RAINWATER CAPTURED ON SITE, ANY LOT OR PARCEL WITHIN THE PROJECT THAT HAS LESS THAN 2,500 SQUARE FEET OF LANDSCAPE AND MEETS THE LOT OR PARCEL'S LANDSCAPE WATER REQUIREMENT (ESTIMATED TOTAL WATER USE) ENTIRELY WITH TREATED OR UNTREATED GRAYWATER OR THROUGH STORED RAINWATER CAPTURED ON SITE IS SUBJECT ONLY TO APPENDIX D SECTION (5).	LANDSCAPE			COVE BASE ADHESIVES50MULTIPURPOSE CONSTRUCTION ADHESIVES70STRUCTURAL GLAZING ADHESIVES100SINGLY-PLY ROOF MEMBRANE ADHESIVES250OTHER ADHESIVES NOT SPECIFICALLY LISTED50SPECIALTY APPLICATIONS510		5.504	POLLUTANT CONTROL	THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD. 5.504.4.4 CARPET SYSTEMS. THESE SHALL MEET THE STATED REQUIREMENTS.	NA		
	WEATHER PROTECTION	PROVIDE A WEATHER-RESISTANT EXTERIOR WALL AND FOUNDATION ENVELOPE AS REQUIRED BY CBC SECTION 1403.2 (WEATHER PROTECTION) AND CALIFORNIA ENERGY CODE SECTION 150 (MANDATORY FEATURES AND DEVICES), MANUFACTURER'S INSTALLATION	ARCH			CPVC WELDING490ABS WELDING325PLASTIC CEMENT WELDING250ADHESIVE PRIMER FOR PLASTIC550CONTACT ADHESIVE80		5.504	POLLUTANT CONTROL	5.504.4.5 COMPOSITE WOOD PRODUCTS. THESE SHALL MEET THE STATED REQUIREMENTS. TABLE 5.504.4.5 - FORMALDEHYDE LIMITS <sup>1</sup>	NA		
7.2.1	MOISTURE CONTROL	INSTRUCTIONS, OR LOCAL ORDINANCE, WHICHEVER IS MORE STRINGENT. SPRINKLERS. DESIGN AND MAINTAIN IRRIGATION SYSTEMS TO PREVENT SPRAY ON STRUCTURES.	LANDSCAPE			SPECIAL PURPOSE CONTACT ADHESIVE250STRUCTURAL WOOD MEMBER ADHESIVE140TOP & TRIM ADHESIVE250SUBSTRATE SPECIFIC APPLICATIONS				MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLIONPRODUCTCURRENT LIMITHARDWOOD PLYWOOD VENEER CORE0.05			
.2.2	MOISTURE CONTROL	ENTRIES AND OPENINGS. DESIGN EXTERIOR ENTRIES SUBJECT TO FOOT TRAFFIC OR WIND- DRIVEN RAIN TO PREVENT WATER INTRUSION A 4 FOOT DEEP AWNING OR OVERHANG. ALSO, INSTALL FLASHINGS INTEGRATED WITH THE DRAINAGE PLANE.	ARCH			METAL TO METAL30PLASTIC FOAMS50POROUS MATERIAL (EXCEPT WOOD)50WOOD30				HARDWOOD PLYWOOD COMPOSITE CORE0.05PARTICLE BOARD0.09MEDIUM DENSITY FIBERBOARD0.11THIN MEDIUM DENSITY FIBERBOARD 20.13			
3.1	CONSTRUCTION WASTE MANAGEMENT	RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE PER AN APPROVED (1) CONSTRUCTION WASTE MANAGEMENT PLAN, (2) WASTE MANAGEMENT COMPANY, OR (3) WASTE STREAM REDUCTION ALTERNATIVE. COMPLIANCE WITH A LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE IS ALSO ACCEPTABLE, IF MORE STRINGENT. DOCUMENTATION MUST COMPLY WITH SECTION 5.408.1.4.	LANDSCAPE			FIBERGLASS       80         1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES         TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL         BE ALLOWED.         2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO         MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE. SEE				<ol> <li>VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.</li> <li>THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF (40 INCUED (20 MM))</li> </ol>			
3.2	UNIVERSAL WASTE	ADDITIONS AND ALTERATIONS SHALL REQUIRE VERIFICATION THAT UNIVERSAL WASTE ITEMS SUCH AS FLUORESCENT LAMPS AND BALLAST AND MERCURY CONTAINING THERMOSTATS AS WELL AS OTHER CALIFORNIA PROHIBITED UNIVERSAL WASTE MATERIALS ARE DISPOSED OF PROPERLY AND ARE DIVERTED FROM LANDFILLS.	A-112			SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, WWW.ARB.CA.GOV/DRDB/SC/CURHTML/R1168.PDF		5.504	POLLUTANT CONTROL	5/16 INCHES (8 MM). 5.504.4.6 RESILIENT FLOORING SYSTEMS. THESE SHALL MEET THE STATED REQUIREMENTS.	ARCH		
.3	EXCAVATED SOIL AND LAND CLEARING DEBRIS	100 PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING FROM LAND CLEARING SHALL BE REUSED OR RECYCLED, UNLESS CONTAMINATED BY DISEASE OR PEST INFESTATION.	NA			TABLE 5.504.4.2 - SEALANT VOC LIMIT         Less Water and Less Exempt Compounds in Grams per Liter         OF AL ANTO		5.504	POLLUTANT CONTROL	<b>5.504.5.3 FILTERS.</b> HVAC FILTERS SHALL MEET THE STATED REQUIREMENTS, WITH SOME EXCEPTIONS.	MECH		
).1	RECYCLING	RECYCLING BY OCCUPANTS. PROVIDE READILY ACCESSIBLE AREAS SERVING THE ENTIRE BUILDING , MEETING LISTED REQUIREMENTS OR COMPLYING WITH THE LOCAL ORDINANCE IF MORE RESTRICTIVE. FOR ADDITIONS WITH AN INCREASE OF 30 PERCENT OR MORE IN	A-111			SEALANTSCURRENT VOC LIMITARCHITECTURAL250MARINE DECK760NONMEMBRANE ROOF300ROADWAY250		5.504	POLLUTANT CONTROL	5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. RESTRICTIONS AND SIGNAGE REQUIREMENTS RELATED TO WHERE SMOKING IS ALLOWED. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF THE CALIFORNIA BUILDING CODE	ARCH		
0.2	COMMISSIONING	FLOOR AREA, PROVIDE RECYCLING ON SITE. COMMISSIONING IS REQUIRED FOR NEW BUILDINGS 10,000 SQUARE FEET AND OVER.	N/A			SINGLY-PLY ROOF MEMBRANE450OTHER420SEALANT PRIMERS420		5.506	CONTROL INDOOR AIR QUALITY	SECTIONS 1203 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). 5.506.1 OUTSIDE AIR DELIVERY. MEET THE MINIMUM VENTILATION REQUIREMENTS OF THE CALIFORNIA ENERGY CODE AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.	MECH		
						ARCHITECTURALNONPOROUS250POROUS775MODIFIED BITUMINOUS500MARKE DEDUC700		5.506	INDOOR AIR QUALITY	5.506.2 CARBON DIOXIDE (CO2) MONITORING. FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND CONTROLS SHALL BE SPECIFIED AND INSTALLED PER THE CALIFORNIA ENERGY CODE SECTION 120.1(C)(4).	MECH		
						MARINE DECK760OTHER750NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE		5.507	ENVIRONMENTAL COMFORT	<b>5.507.4 ACOUSTICAL CONTROL.</b> EXTERIOR WALL AND ROOF ASSEMBLIES TO MEET PRESCRIPTIVE OR PERFORMANCE SOUND TRANSMISSION CLASS REQUIREMENTS.	ARCH		
						SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.		5.508	OUTDOOR AIR QUALITY OUTDOOR AIR	<ul> <li>5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS. HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENTS SHALL NOT CONTAIN CFC'S OR HALONS.</li> <li>5.508.2 SUPERMARKET REFRIGERANT LEAK REDUCTION.</li> </ul>	MECH		A-013
). BY:	 :   REVIS	ISION COMMENTS	API	PROVED BY:		SEAL: APPROVED BY:	ENG	5.508 NEER OF WORK:	QUALITY	S.508.2 SUPERMARKET REFRIGERANT LEAK REDUCTION.	PROJECT DESCRIP	PTION: SHEET TITLE:	SHEET:
		CITY OF CALE COMMUNITY DEVELOPMENT DE ENGINEERING DIVISI 608 Heber Avenue Calexico, CA 92231 Tel:760.768.2100 Fax.7	PARTMENT ON					801 S. Figuer Los Angeles	Stantec oa Street, Suite 300 , CA 90017 5-9775 www.stantec.com	DATE: 03/24/2022	CALEXICO INTER TRANSIT CEN	RMODAL	<b>25</b> OF

## NONRESIDENTIAL MANDATORY MEASURES







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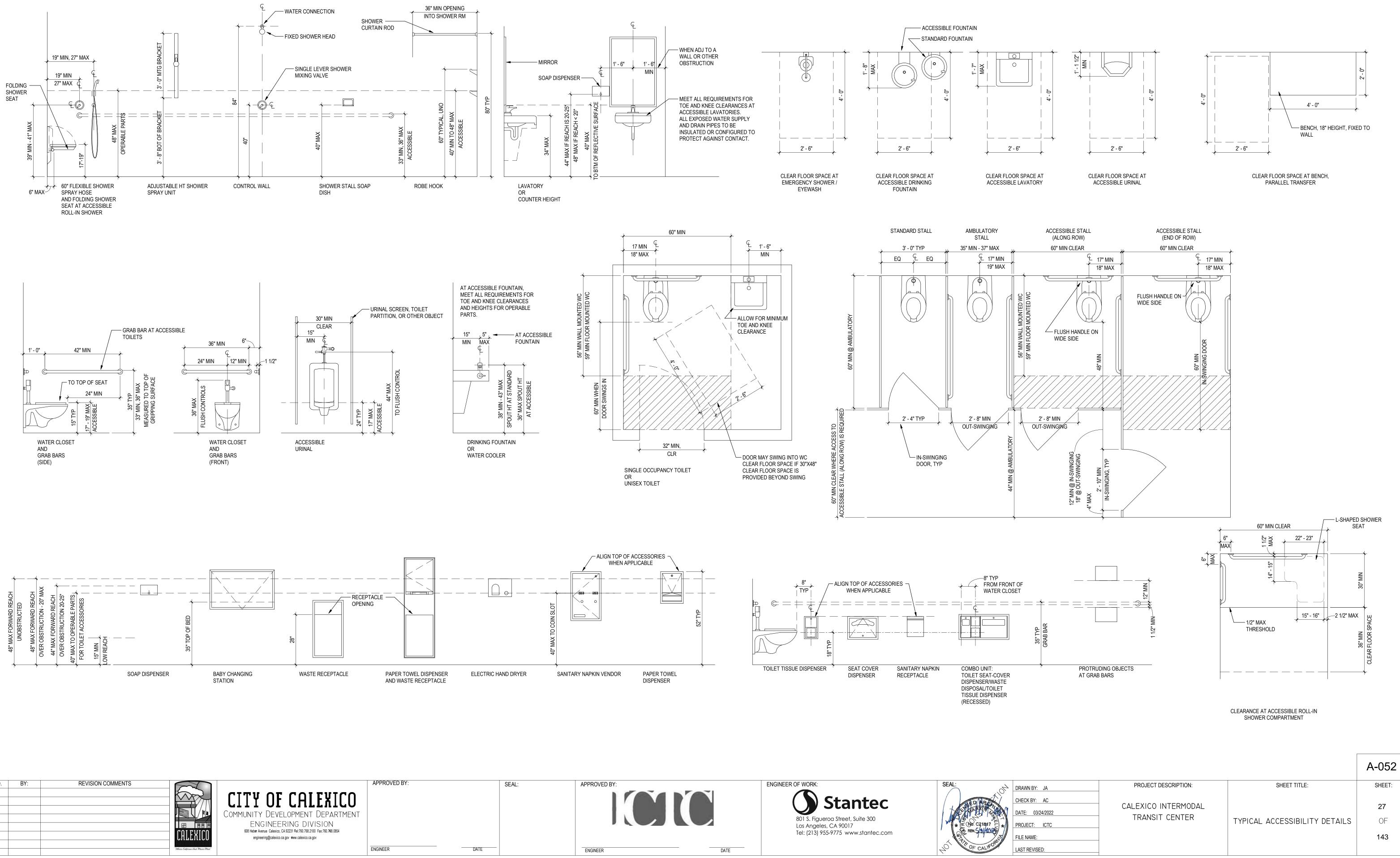
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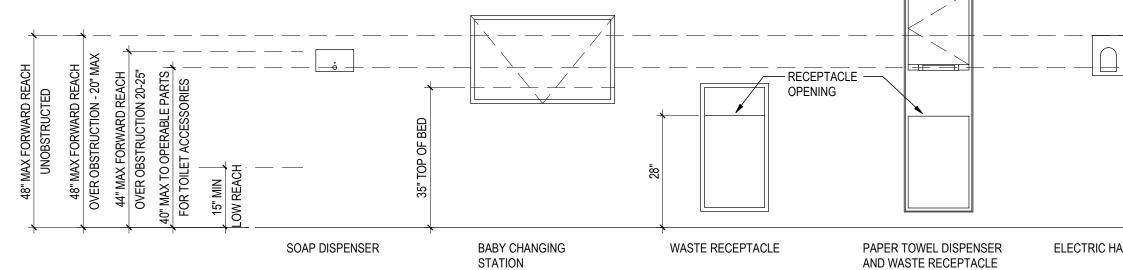
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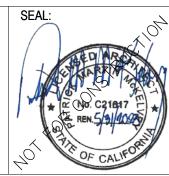
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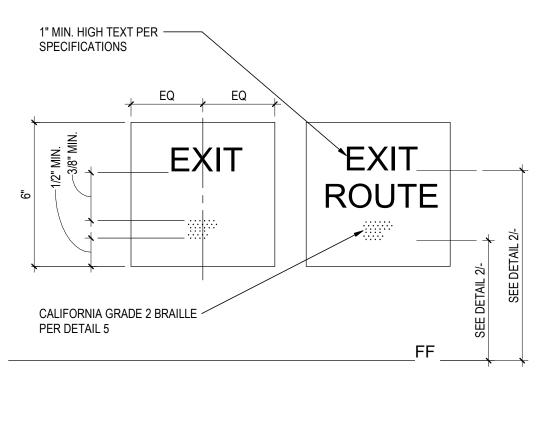


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BRAILLE COMPLY WITH 11B-703.3.1



PROVIDE TACTILE EXIT SIGNS WITH THE TEXT NOTED AT LOCATIONS INDICATED (PER SECTION 1013 CBC)

AT GRADE LEVEL DOORS: EXIT

AT EXIT DOORS LEADING TO A GRADE LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY: EXIT ROUTE

AT EXIT ACCESS DOORS FROM INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED BY CODE TO HAVE A VISUAL EXIT SIGN: EXIT ROUTE

<u>TEXT</u>

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DOOR

COLOR.

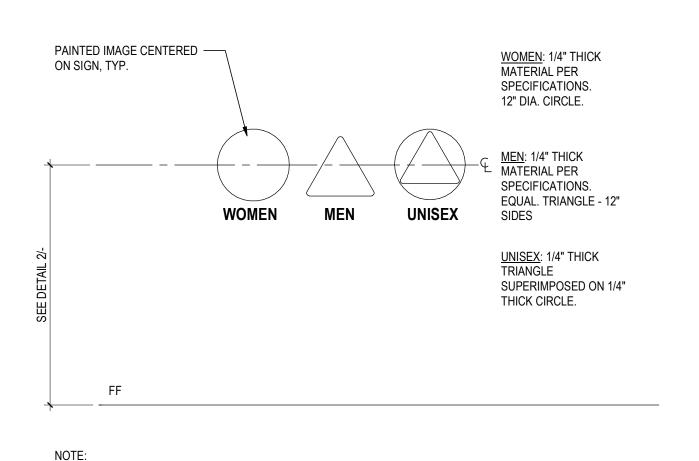


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1/2" = 1'-0"

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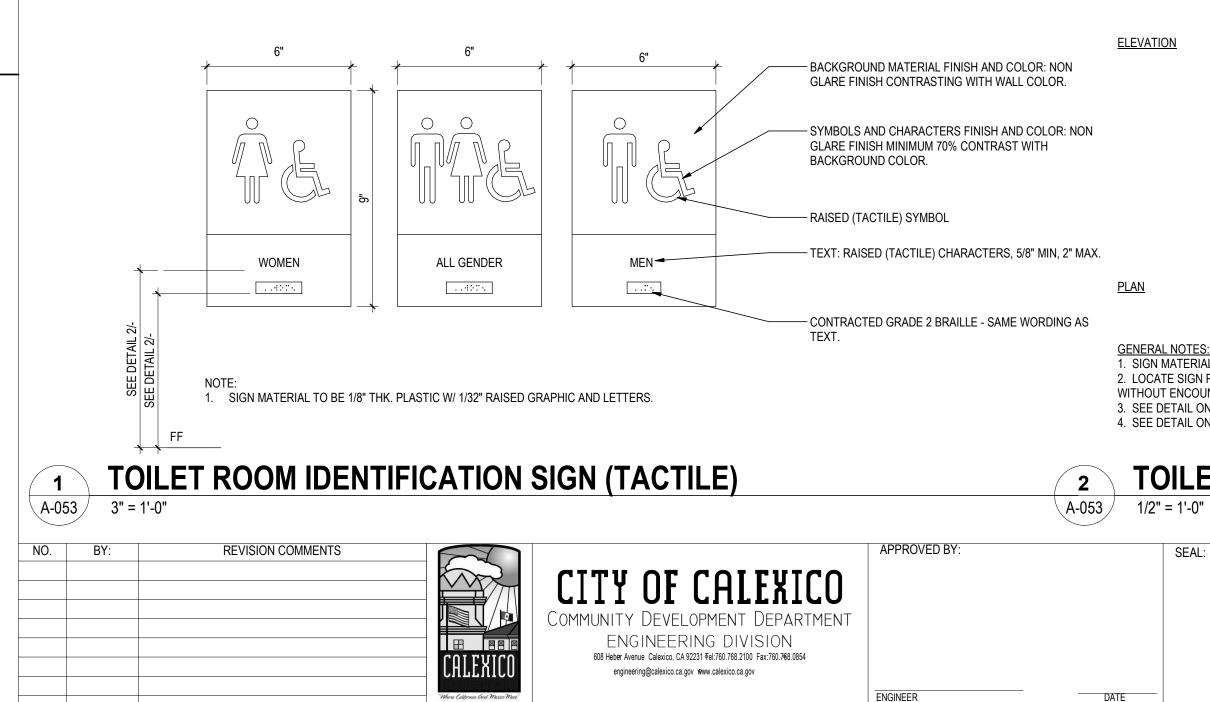
### TACTILE EXIT SIGN DETAIL 3" = 1'-0"

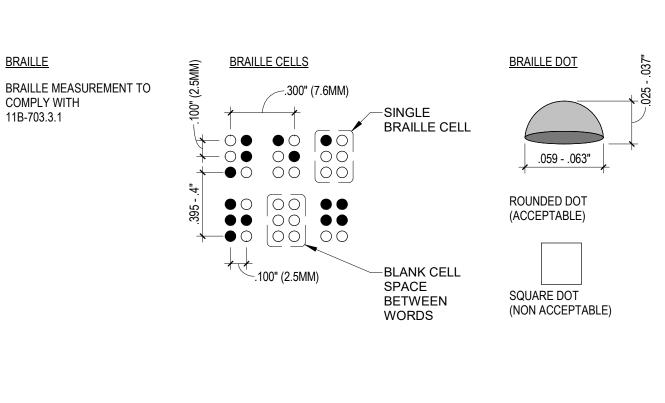


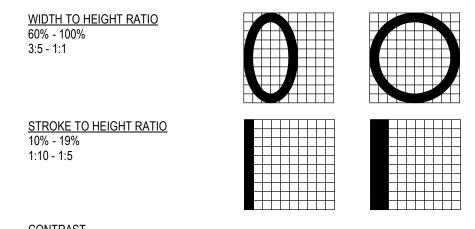
1. SIGNS SHALL BE CENTERED ON THE DOOR.

SYMBOL COLOR SHALL CONTRAST WITH DOOR COLOF 3. SEE SPECIFICATIONS FOR COLOR.

**DOOR MOUNTED SIGNAGE** 

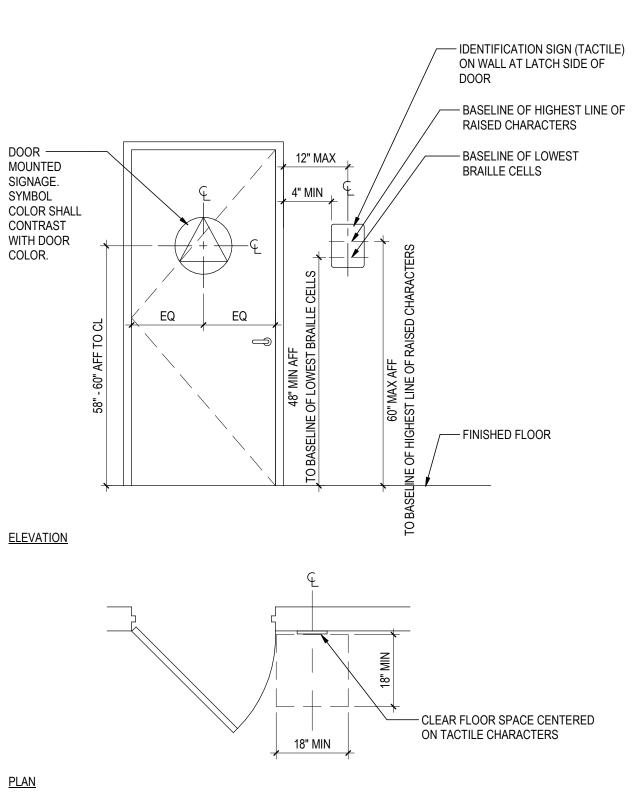






CONTRAS MINIMUM 70% CONTRAST DIFFERENCE BETWEEN CHARACTERS/GRAPHICS AND BACKGROUND.

## **BRAILLE AND TEXT TEMPLATE DETAIL** 1/2" = 1'-0"



1. SIGN MATERIAL PER SPECIFICATIONS 2. LOCATE SIGN PER DIMENSIONS ABOVE. MOUNT AT LOCATION WHERE A PERSON CAN APPROACH TO VIEW SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS TO THE DOOR SWING 3. SEE DETAIL ON THIS SHEET FOR BRAILLE REQUIREMENTS

4. SEE DETAIL ON THIS SHEET FOR TEXT REQUIREMENTS

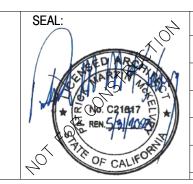
## TOILET ROOM IDENTIFICATION SIGN (TACTILE) AND DOOR SYMBOLS

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### 216 SIGNS (SCOPING REQUIREMENTS)

216.2 DESIGNATIONS. INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL COMPLY WITH 703.1 (GENERAL), 703.2 (RAISED CHARACTERS), AND 703.5 (VISUAL CHARACTERS). WHERE PICTOGRAMS ARE PROVIDED AS DESIGNATIONS OF PERMANENT INTERIOR ROOMS AND SPACES, THE PICTOGRAMS SHALL COMPLY WITH 703.6 AND SHALL HAVE TEXT DESCRIPTORS COMPLYING WITH 703.2 (RAISED CHARACTERS) AND 703.5 (VISUAL CHARACTERS). EXCEPTION: EXTERIOR SIGNS THAT ARE NOT LOCATED AT THE DOOR TO THE SPACE THEY SERVE SHALL NOT BE REQUIRED TO COMPLY WITH 703.2.

[ADVISORY 216.2 SECTION 216.2 APPLIES TO SIGNS THAT PROVIDE DESIGNATIONS, LABELS, OR NAMES FOR INTERIOR ROOMS OR SPACES WHERE THE SIGN IS NOT LIKELY TO CHANGE OVER TIME. EXAMPLES INCLUDE INTERIOR SIGNS LABELING RESTROOMS, ROOM AND FLOOR NUMBERS OR LETTERS, AND ROOM NAMES.]

**216.3 DIRECTIONAL AND INFORMATIONAL SIGNS.** SIGNS THAT PROVIDE DIRECTION TO OR INFORMATION ABOUT INTERIOR SPACES AND FACILITIES OF THE SITE SHALL COMPLY WITH 703.5 (VISUAL CHARACTERS).

IADVISORY 216.3 DIRECTIONAL AND INFORMATIONAL SIGNS. INFORMATION ABOUT INTERIOR SPACES AND FACILITIES INCLUDES RULES OF CONDUCT, OCCUPANT LOAD, AND SIMILAR SIGNS. SIGNS PROVIDING DIRECTION TO ROOMS OR SPACES INCLUDE THOSE THAT IDENTIFY EGRESS ROUTES.]

### 216.4 MEANS OF EGRESS

216.4.1 EXIT DOORS. DOORS AT EXIT PASSAGEWAYS, EXIT DISCHARGE, AND EXIT STAIRWAYS SHALL BE IDENTIFIED BY TACTILE SIGNS COMPLYING WITH 703.1 (GENERAL), 703.2 (RAISED CHARACTERS), AND 703.5 (VISUAL CHARACTERS).

216.4.2 AREAS OF REFUGE. SIGNS TO PROVIDE INSTRUCTIONS IN AREAS OF REFUGE SHALL COMPLY WITH 703.5 (VISUAL CHARACTERS).

216.4.3 DIRECTIONAL SIGNS. SIGNS TO PROVIDE DIRECTIONS TO ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH 703.5 (VISUAL CHARACTERS).

216.5 PARKING. ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY SIGNS. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE". SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

216.6 ENTRANCES. WHERE NOT ALL ENTRANCES COMPLY WITH 404, ENTRANCES COMPLYING WITH 404 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. DIRECTIONAL SIGNS COMPLYING WITH 703.5 (VISUAL CHARACTERS) THAT INDICATE THE LOCATION OF THE NEAREST ENTRANCE COMPLYING WITH 404 SHALL BE PROVIDED AT ENTRANCES THAT DO NOT COMPLY WITH 404. 404. DOORS, DOORWAYS, AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE

216.7 ELEVATORS, WHERE EXISTING ELEVATORS DO NOT COMPLY WITH 407. ELEVATORS THAT DO COMPLY WITH 407 SHALL BE CLEARLY IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

216.8 TOILET ROOMS AND BATHING ROOMS. WHERE EXISTING TOILET OR BATHING ROOMS ARE NOT ACCESSIBLE, DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF THE NEAREST TOILET ROOM OR BATHING ROOM COMPLYING WITH 603 WITHIN THE FACILITY SHALL BE PROVIDED. SIGNS SHALL COMPLY WITH 703.5 (VISUAL CHARACTERS) AND SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

### 703 SIGNS (TECHNICAL REQUIREMENTS)

703.1 GENERAL. SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.

703.2 RAISED CHARACTERS. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.

703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 AND 703.4.

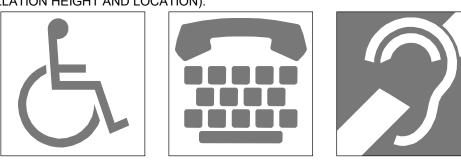
703.4 INSTALLATION HEIGHT AND LOCATION. SIGNS WITH TACTILE CHARACTERS SHALL COMPLY WITH 703.4. 703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER. EXCEPTION: TACTILE CHARACTERS FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH

703.4.1 703.4.2 LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE.

### 703.6 PICTOGRAMS

703.6.1 PICTOGRAM FIELD. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES (150 MM) MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.

703.6.3 TEXT DESCRIPTORS. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH 703.2 (RAISED CHARACTERS), 703.3 (AND 703.4 (INSTALLATION HEIGHT AND LOCATION).





703.7 SYMBOLS OF ACCESSIBILITY. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH 703.7.

1. INTERNATIONAL SYMBOL OF ACCESSIBILITY 2. INTERNATIONAL SYMBOL OF TTY

3. INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS

4. VOLUME CONTROL TELEPHONE

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TYPICAL DETAILS AND GENERAL REGULATORY SIGNAGE

OF 143

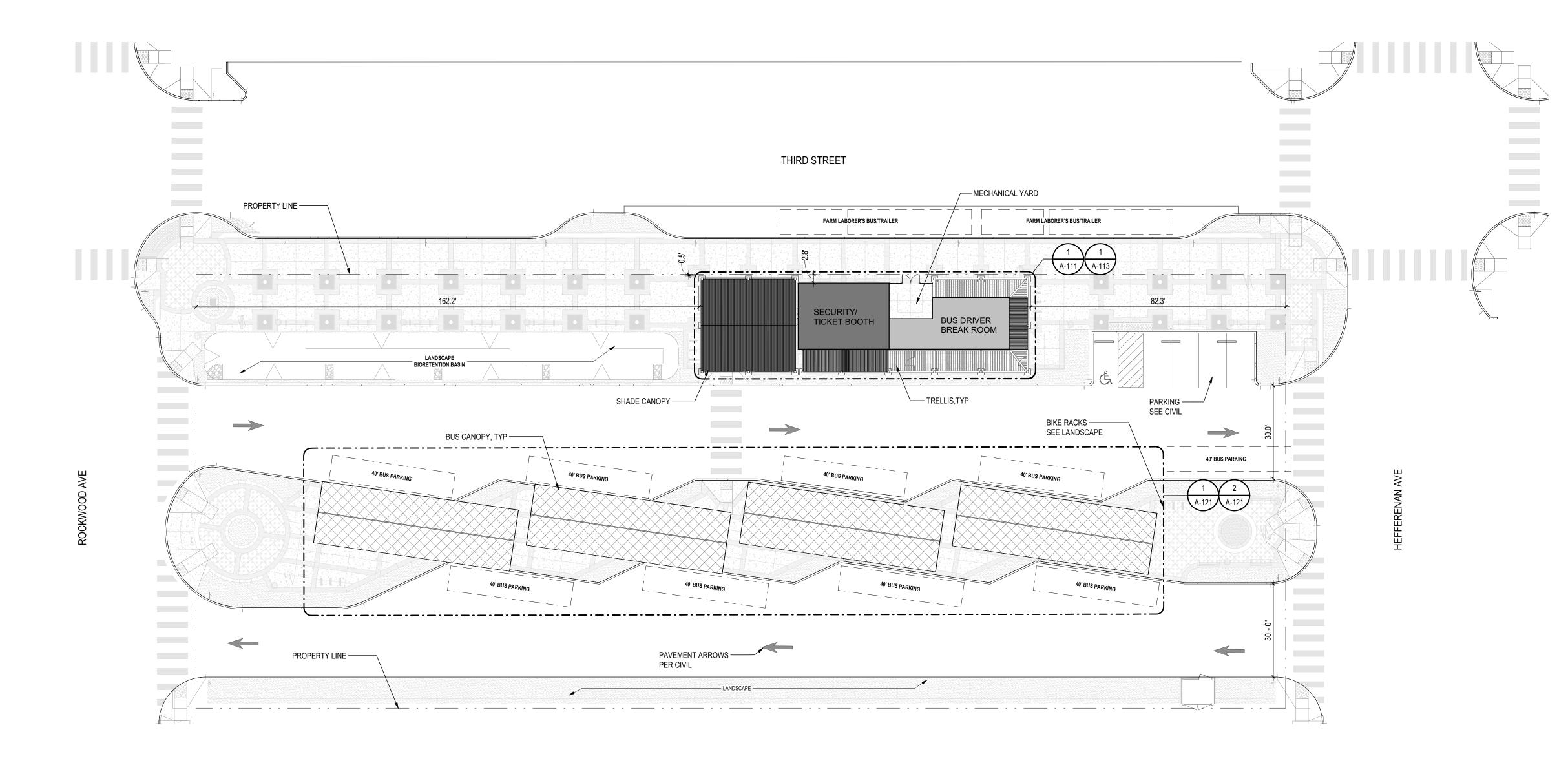
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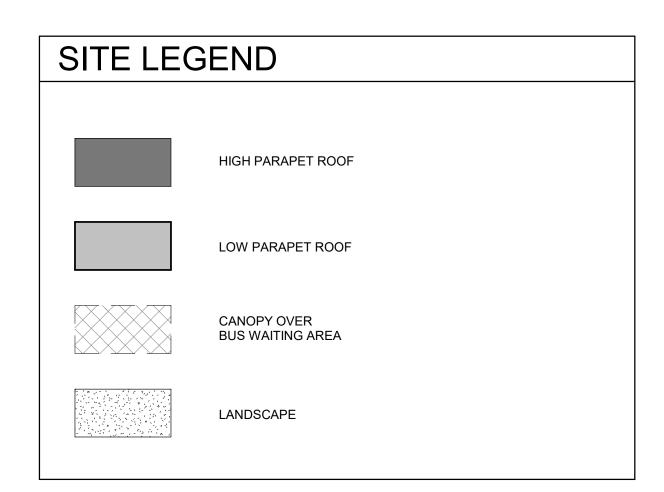
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			These California Gent Mexice Mexic	ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 ₹el:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov www.calexico.ca.gov	ENGINEER	DATE

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	GENERAL NOTES
A	DO NOT SCALE DRAWINGS.
B	SEE CIVIL DRAWINGS FOR EASEMENTS, SETBACKS, PROPERTY LINES AND ALL OTHER SITE INFORMATION.
С	SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION ON LANDSCAPE DESIGN AND MATERIALS.
D	SEE CIVIL DRAWINGS FOR LOCATION AND HORIZONTAL AND VERTICAL CONTROL OF SECURITY FENCING AND GATES.
E	PROVIDE FIRE X-1 BYPASS HARDWARE, AUTOMATIC KEY OVERRIDE IN KNOX BOXES AND/OR KNOX SWITCHES AT VEHICLE ENTRY GATES, PEDESTRIAN SITE ACCESS GATES, AND BUILDING ENTRIES AS REQUIRED BY FIRE DEPARTMENT. CONTRACTOR TO VERIFY PERMIT REQUIREMENTS FROM FIRE DEPARTMENT.
F	PROVIDE FIRE LANE SIGNAGE AS REQUIRED BY FIRE DEPARTMENT. COORDINATE WITH CIVIL DRAWINGS.

PARKING COU	NT	
EMPLOYEE / VISITOR PARKING	SIZE	PROVIDED
STANDARD PARKING SPACES	9' X 18'	4
COMPACT PARKING SPACES	8.5' X 15.5'	0
ACCESSIBLE PARKING SPACES PER CBC TABLE 11B-208.2	9' X 18'	1
(VAN ACCESSIBLE)		1
TOTAL NUMBER OF SPACES		5

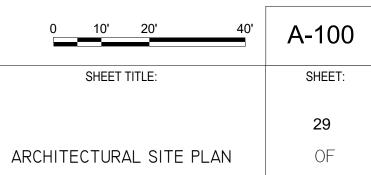




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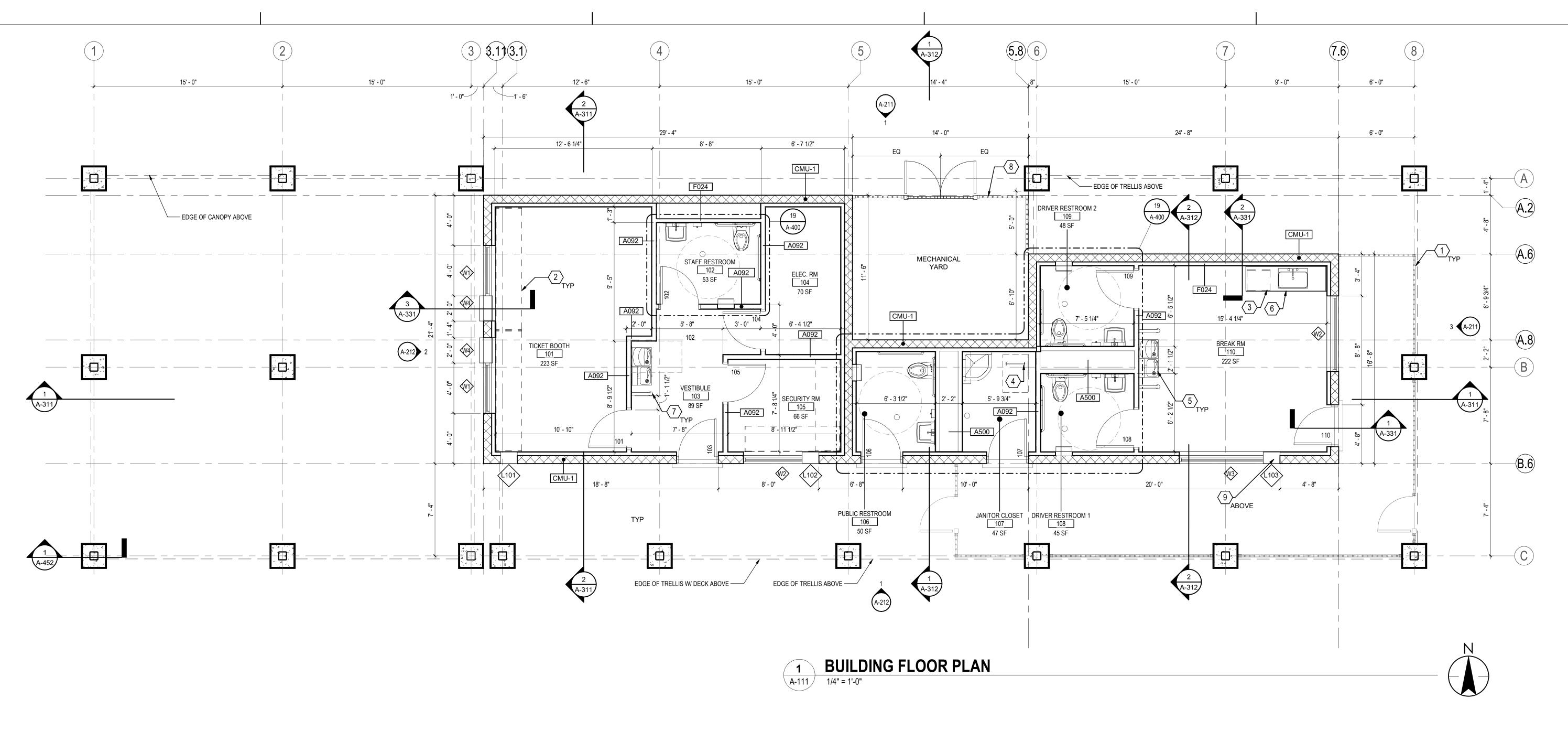
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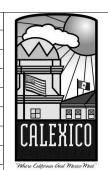
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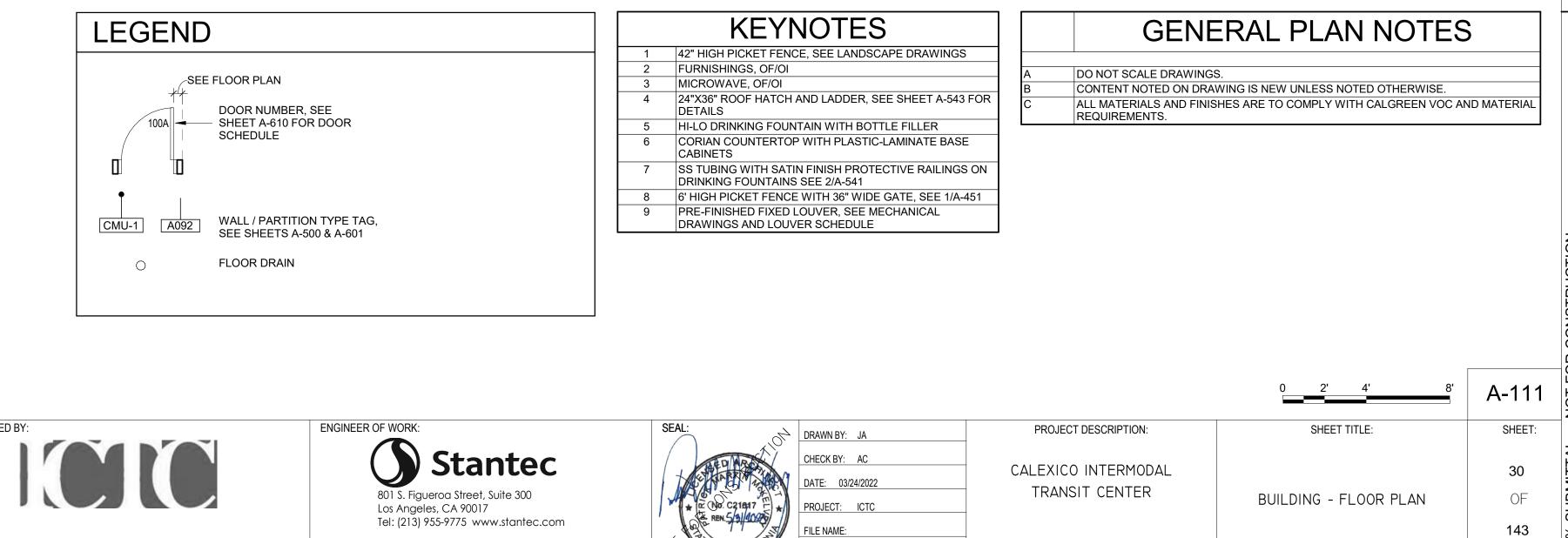
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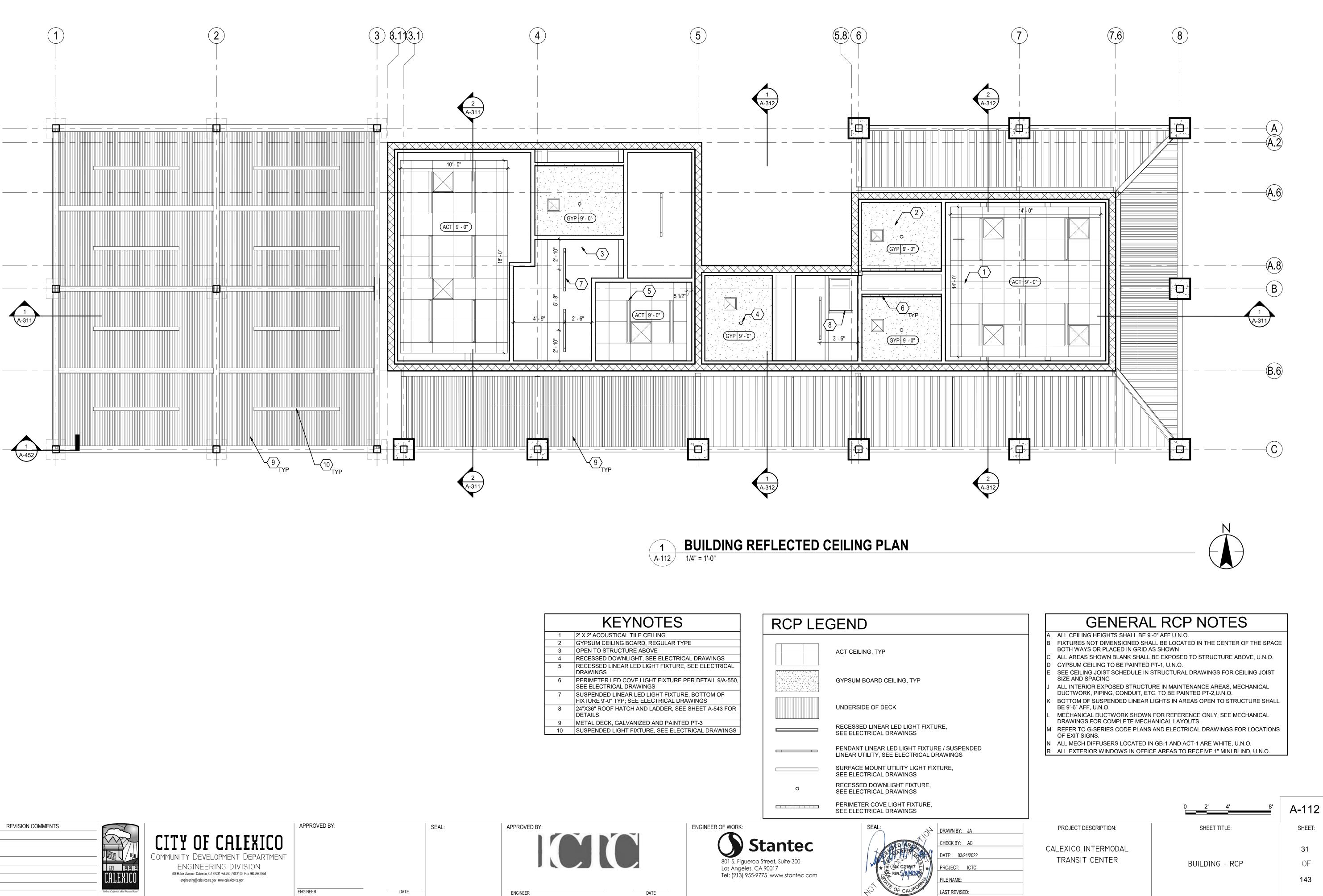
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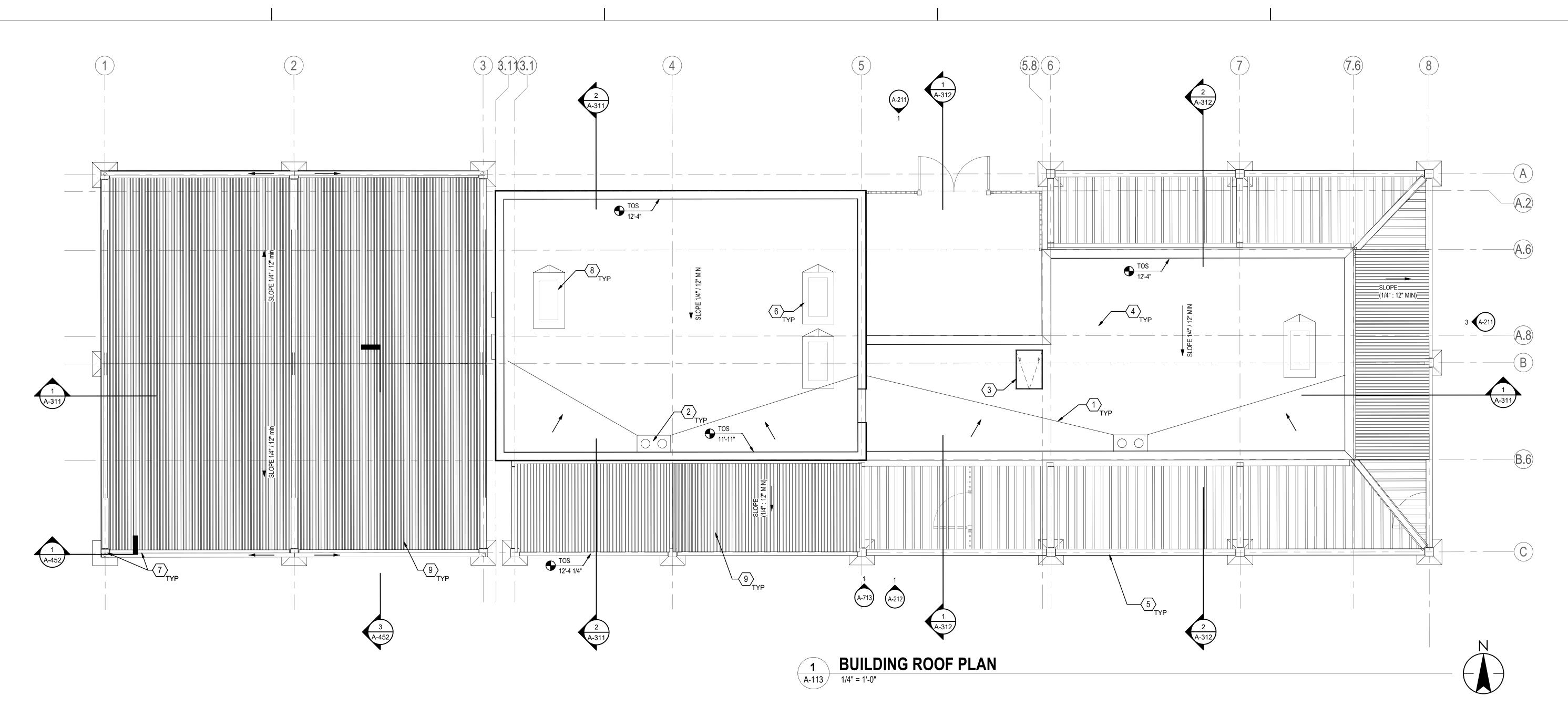
	KEYNOTES
1	2' X 2' ACOUSTICAL TILE CEILING
2	GYPSUM CEILING BOARD, REGULAR TYPE
3	OPEN TO STRUCTURE ABOVE
4	RECESSED DOWNLIGHT, SEE ELECTRICAL DRAWINGS
5	RECESSED LINEAR LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
6	PERIMETER LED COVE LIGHT FIXTURE PER DETAIL 9/A-550, SEE ELECTRICAL DRAWINGS
7	SUSPENDED LINEAR LED LIGHT FIXTURE, BOTTOM OF FIXTURE 9'-0" TYP; SEE ELECTRICAL DRAWINGS
8	24"X36" ROOF HATCH AND LADDER, SEE SHEET A-543 FOR DETAILS
9	METAL DECK, GALVANIZED AND PAINTED PT-3
10	SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS

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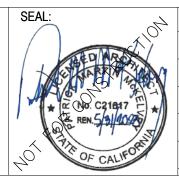


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ENGINEER

	KEYNOTES
1	CRICKETS AS REQUIRED WITH SLOPED IN MAINTAIN 1/4":12" SLOPE TO DRAIN
2	ROOF AND OVERFLOW DRAIN, SEE PLUM
3	24"X36" ROOF HATCH AND LADDER, SEE S DETAILS
4	ROOFING TYPE 1, SEE 4/A-500
5	METAL TRELLIS, GALVANIZED AND PAINTE
6	MECHANICAL EQUIPMENT PAD, SEE STRU DRAWINGS
7	CONCEALED METAL GUTTER, DRAIN PIPE WITHIN THE HSS COLUMN AND CONNECT WATER SYSTEM BELOW GRADE
8	MECHANICAL EQUIPMENT, SEE MECHANIC
9	METAL DECK, GALVANIZED AND PAINTED





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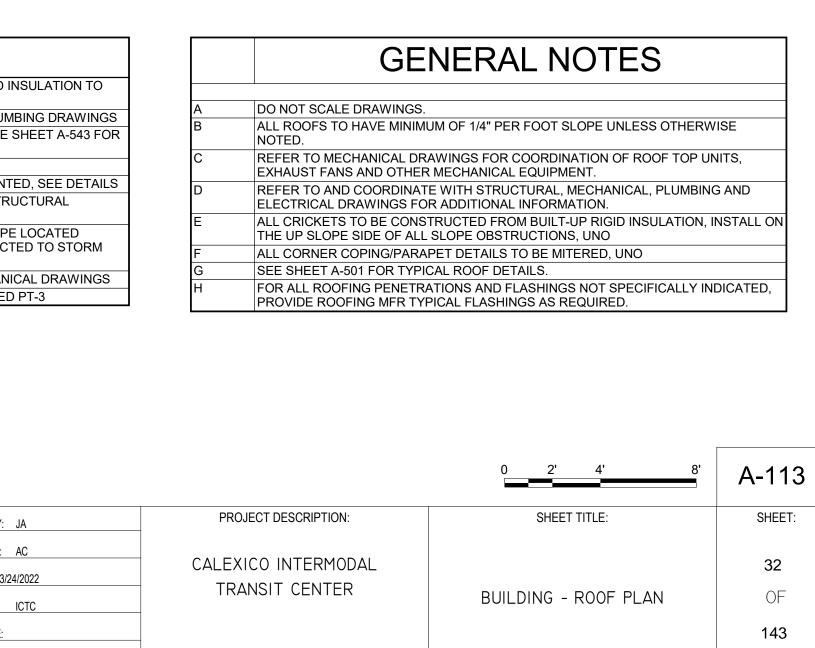


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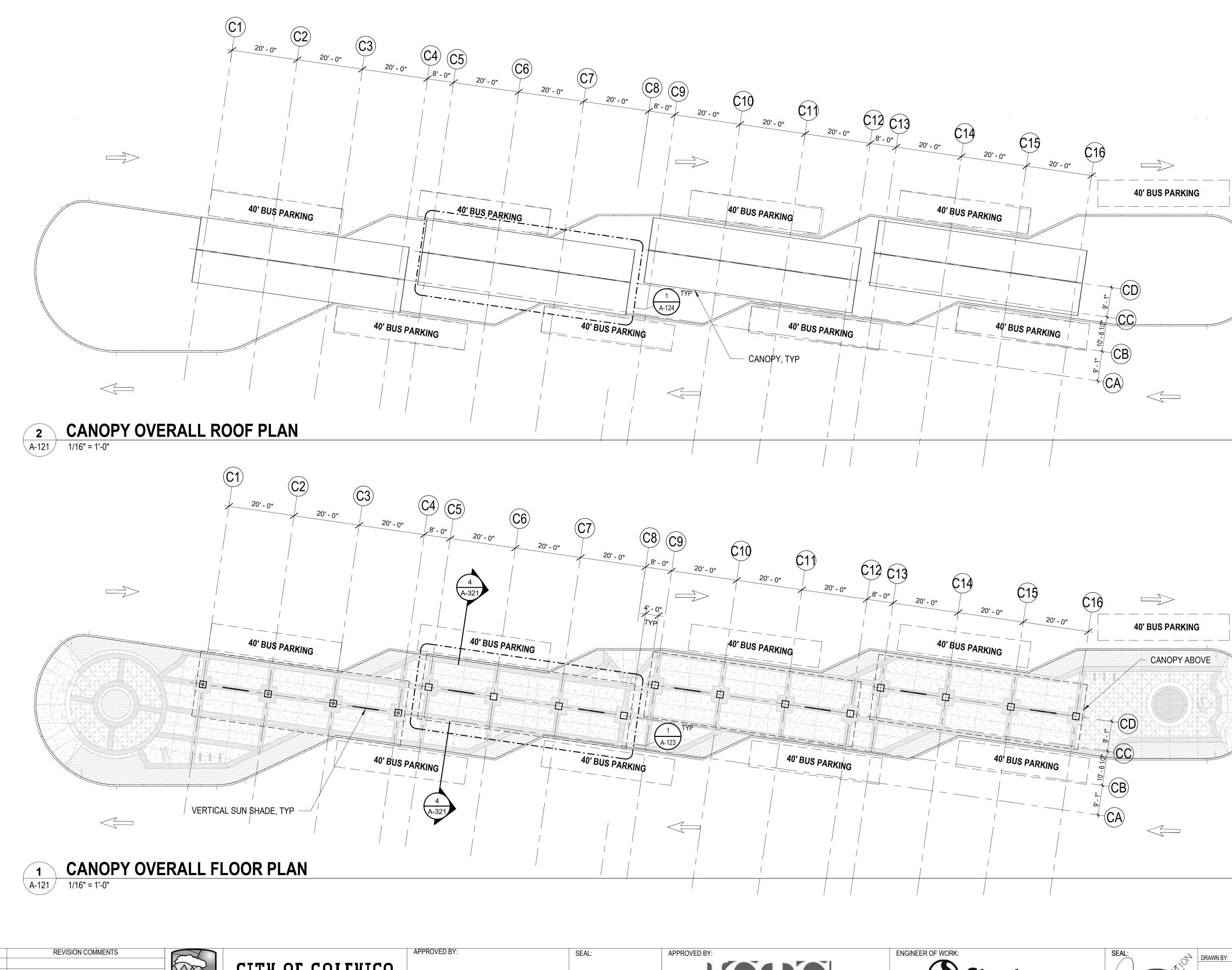
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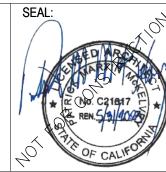


CITY OF CALEXICO PARTMEN<sup>®</sup> ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 #el:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov www.calexico.ca.gov

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ENGINEER	DATE







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	GENERAL PLAN NOTES
А	DO NOT SCALE DRAWINGS.
В	CONTENT NOTED ON DRAWING IS NEW UNLESS NOTED OTHERWISE.
С	ALL MATERIALS AND FINISHES ARE TO COMPLY WITH CALGREEN VOC AND MATERIAL REQUIREMENTS.

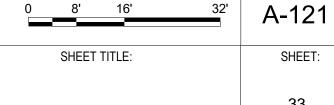




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PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER



32

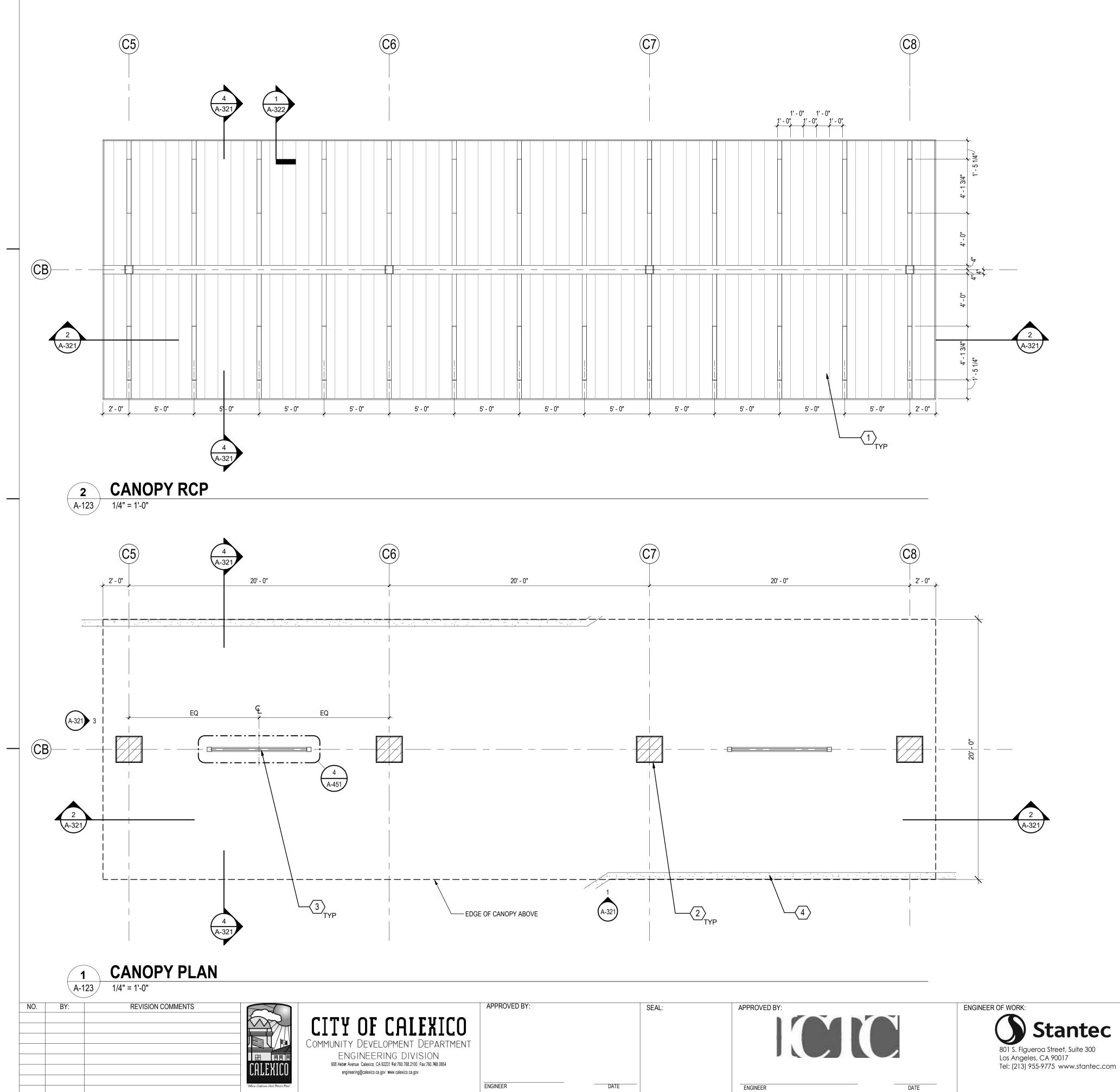
BUS CANOPY - OVERALL PLANS

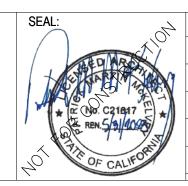
SHEET:

33

OF

143





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

## GENERAL PLAN NOTES

DO NOT SCALE DRAWINGS. CONTENT NOTED ON DRAWING IS NEW UNLESS NOTED OTHERWISE. ALL MATERIALS AND FINISHES ARE TO COMPLY WITH CALGREEN VOC AND MATERIAL REQUIREMENTS.

## RCP LEGEND

METAL SOFFIT PANEL

RECESSED LINEAR LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS

	KEYNOTES
1	METAL SOFFIT PANEL
2	CONCRETE COLUMN WITH ADHERED BRICK VENEER
3	VERTICAL SUN SHADE
4	6" HIGH CONCRETE CURB, SEE CIVIL DRAWINGS

A-123

SHEET:

34

OF

143

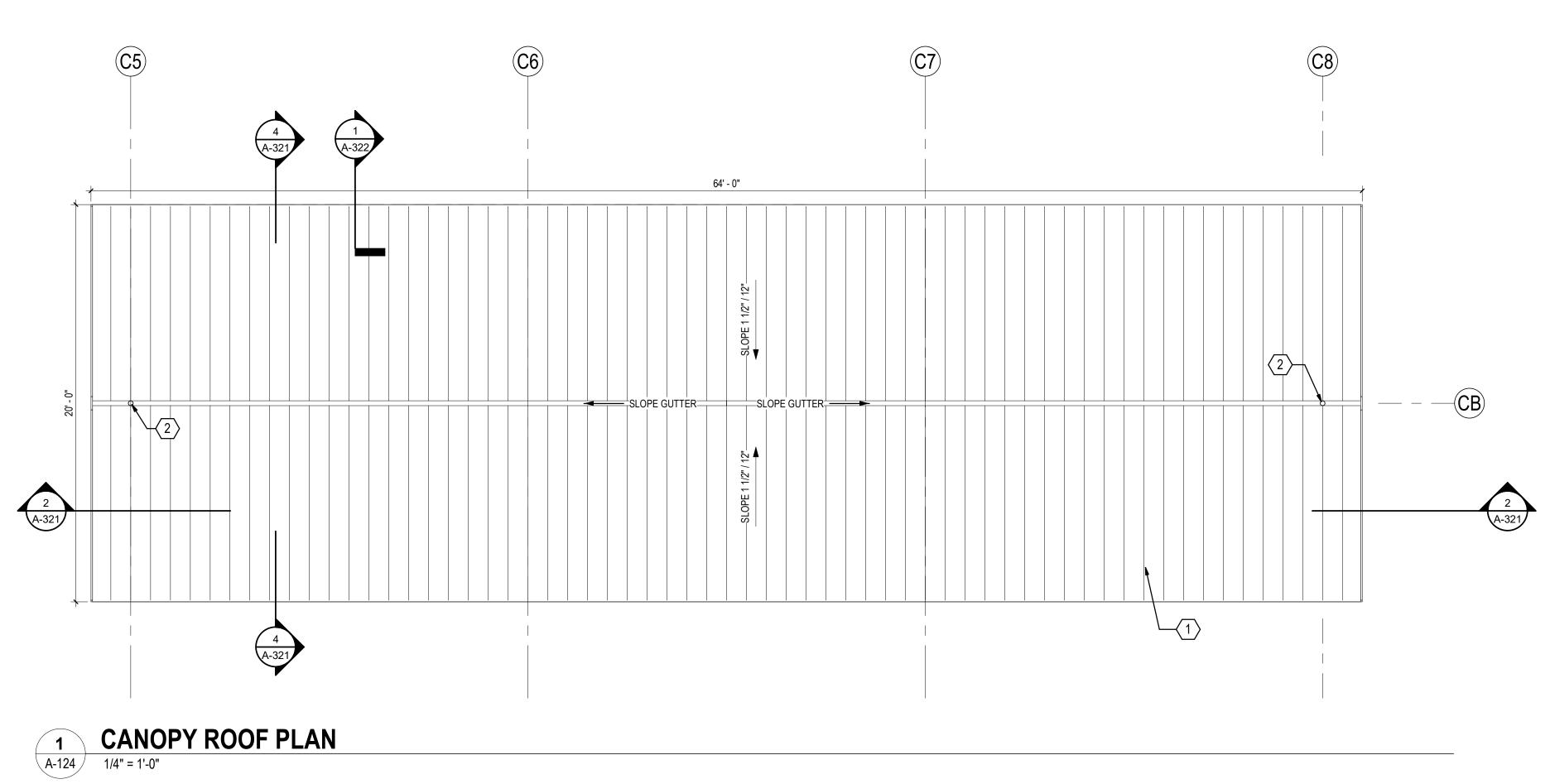
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2'	4'	8'
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PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

BUS CANOPY - ENLARGED PLANS



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ENGINEER

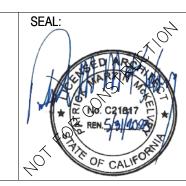
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DATE



ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

	GENERAL PLAN NOTES
А	DO NOT SCALE DRAWINGS.
В	CONTENT NOTED ON DRAWING IS NEW UNLESS NOTED OTHERWISE.
С	ALL MATERIALS AND FINISHES ARE TO COMPLY WITH CALGREEN VOC AND MATERIAL REQUIREMENTS.

	KEYNOTES
1	METAL ROOF PANEL
2	ROOF DRAINS

A-124

SHEET:

35

OF

143

- 8'

PROJECT DESCRIPTION:

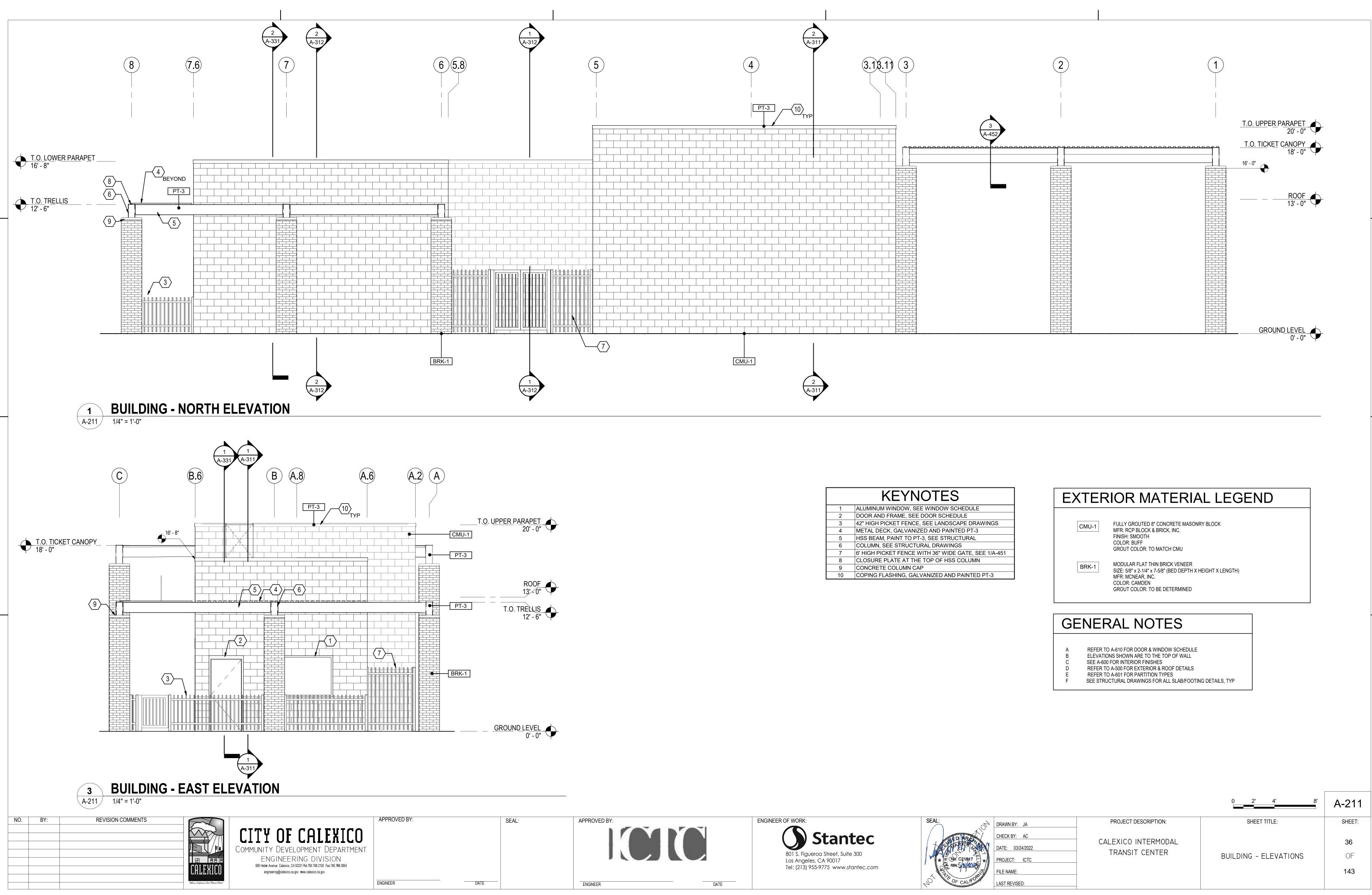
CALEXICO INTERMODAL TRANSIT CENTER

BUS CANOPY- ENLARGED ROOF PLAN

2' 4'

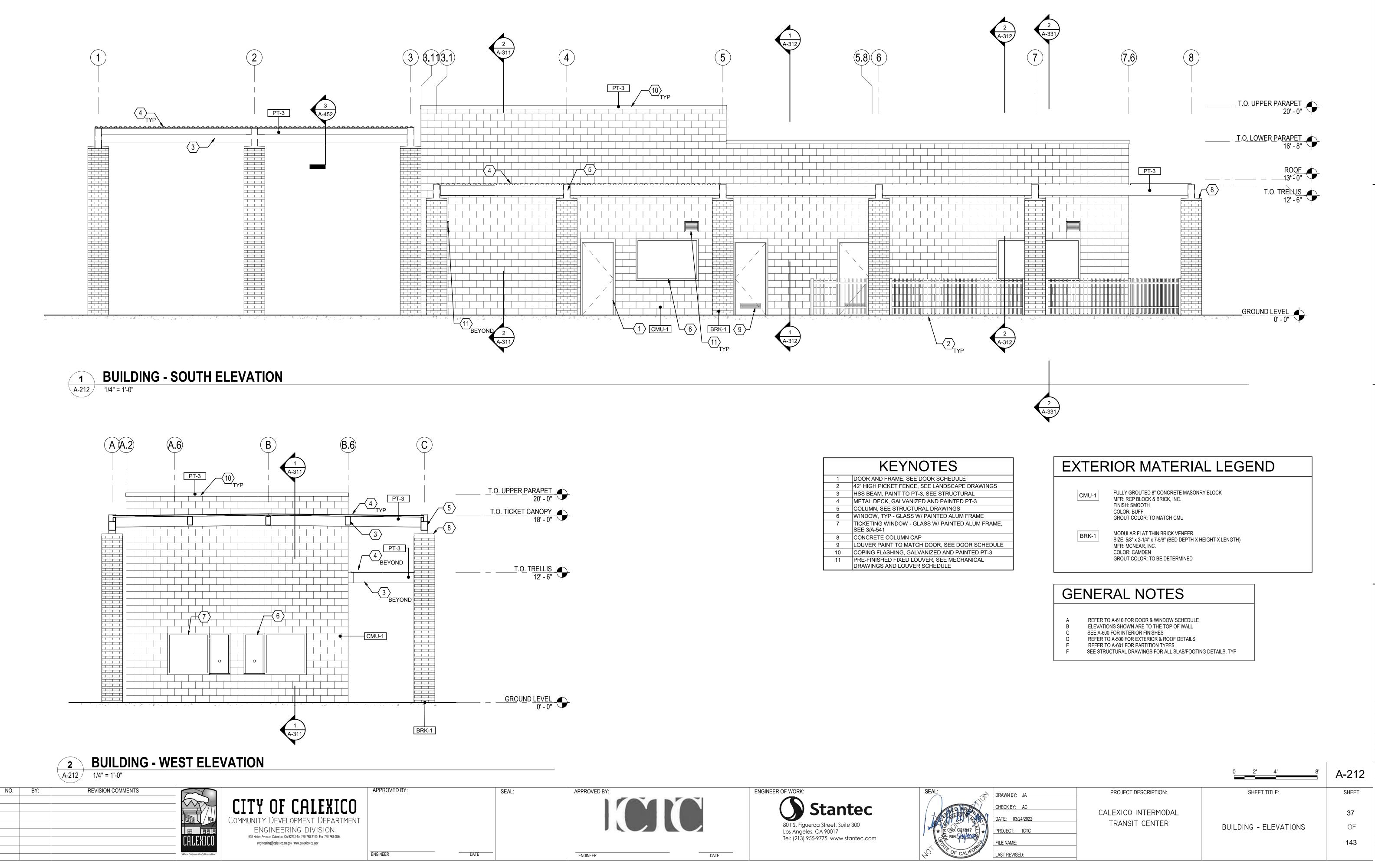
SHEET TITLE:

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1	ALUMINUM WINDOW, SEE WINDOW SCHEDULE
2	DOOR AND FRAME, SEE DOOR SCHEDULE
3	42" HIGH PICKET FENCE, SEE LANDSCAPE DRAWINGS
4	METAL DECK, GALVANIZED AND PAINTED PT-3
5	HSS BEAM, PAINT TO PT-3, SEE STRUCTURAL
6	COLUMN, SEE STRUCTURAL DRAWINGS
7	6' HIGH PICKET FENCE WITH 36" WIDE GATE, SEE 1/A-451
8	CLOSURE PLATE AT THE TOP OF HSS COLUMN
9	CONCRETE COLUMN CAP
10	COPING FLASHING, GALVANIZED AND PAINTED PT-3

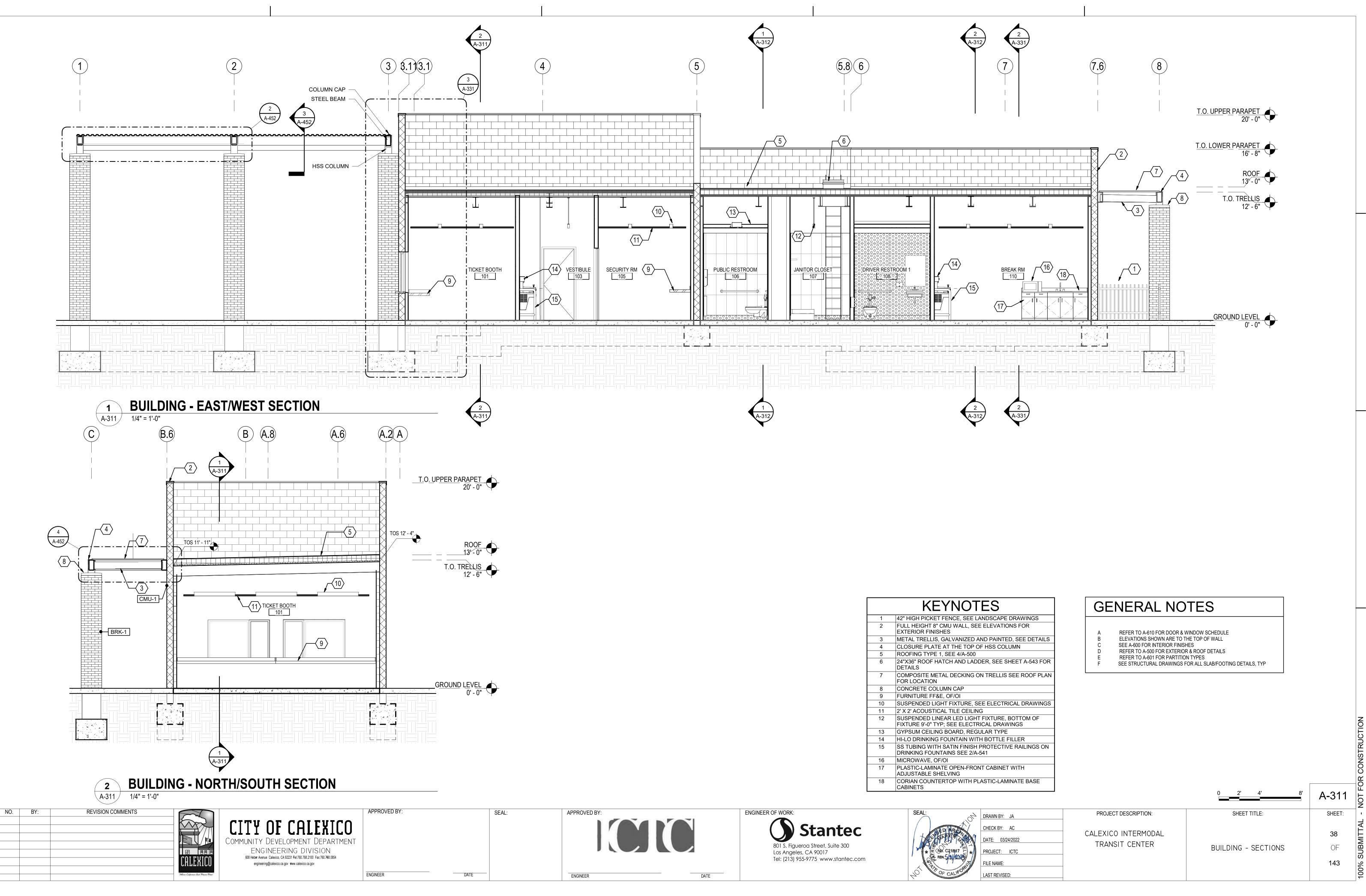
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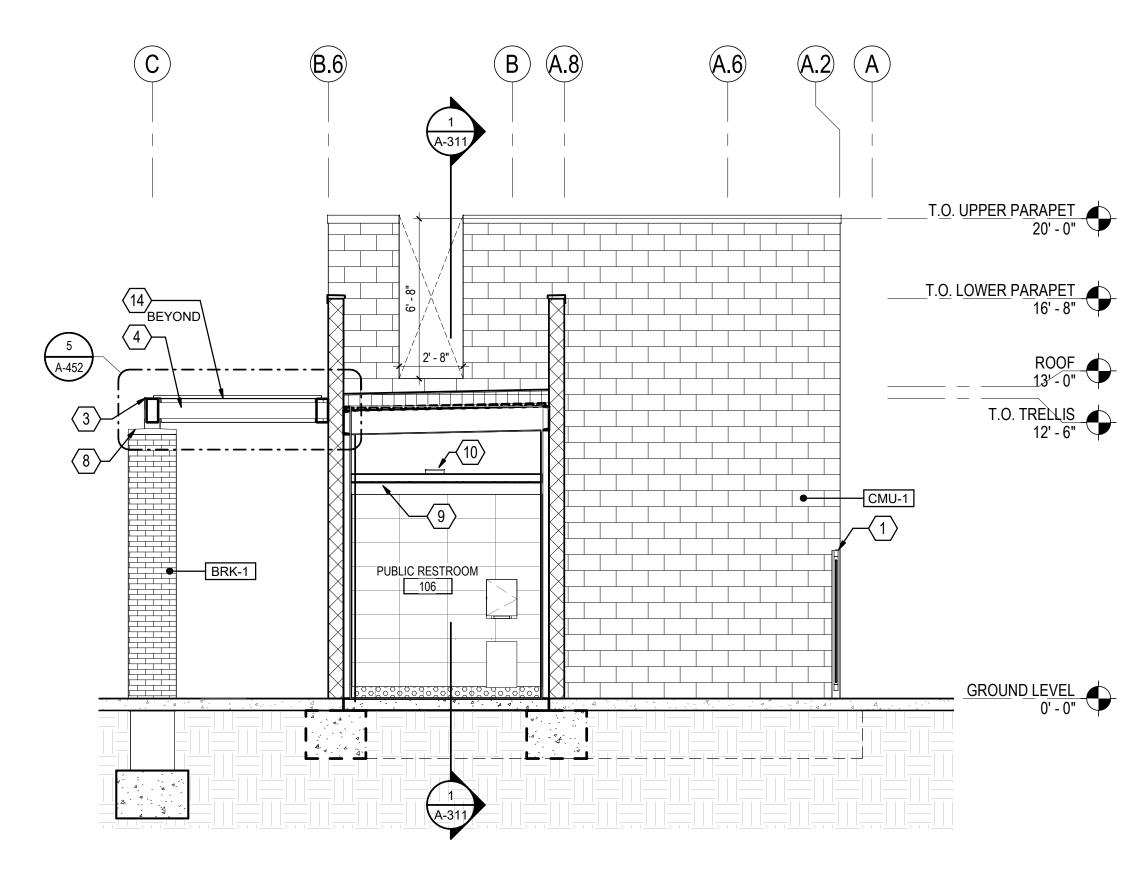
0. UPPER <u>P</u> ARAPET 20' - 0"	$\bullet$
<u>D. TICKET_CANOPY</u> 18' - 0"	$\bullet$

	KEYNOTES
1	DOOR AND FRAME, SEE DOOR SCHEDULE
2	42" HIGH PICKET FENCE, SEE LANDSCAPE DRAWINGS
3	HSS BEAM, PAINT TO PT-3, SEE STRUCTURAL
4	METAL DECK, GALVANIZED AND PAINTED PT-3
5	COLUMN, SEE STRUCTURAL DRAWINGS
6	WINDOW, TYP - GLASS W/ PAINTED ALUM FRAME
7	TICKETING WINDOW - GLASS W/ PAINTED ALUM FRAME, SEE 3/A-541
8	CONCRETE COLUMN CAP
9	LOUVER PAINT TO MATCH DOOR, SEE DOOR SCHEDULE
10	COPING FLASHING, GALVANIZED AND PAINTED PT-3
11	PRE-FINISHED FIXED LOUVER, SEE MECHANICAL DRAWINGS AND LOUVER SCHEDULE

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	KEYNOTES
1	42" HIGH PICKET FENCE, SEE LANDSCAPE
2	FULL HEIGHT 8" CMU WALL, SEE ELEVATIO EXTERIOR FINISHES
3	METAL TRELLIS, GALVANIZED AND PAINTEI
4	CLOSURE PLATE AT THE TOP OF HSS COLU
5	ROOFING TYPE 1, SEE 4/A-500
6	24"X36" ROOF HATCH AND LADDER, SEE SH DETAILS
7	COMPOSITE METAL DECKING ON TRELLIS
8	CONCRETE COLUMN CAP
9	FURNITURE FF&E, OF/OI
10	SUSPENDED LIGHT FIXTURE, SEE ELECTRI
11	2' X 2' ACOUSTICAL TILE CEILING
12	SUSPENDED LINEAR LED LIGHT FIXTURE, E FIXTURE 9'-0" TYP; SEE ELECTRICAL DRAW
13	GYPSUM CEILING BOARD, REGULAR TYPE
14	HI-LO DRINKING FOUNTAIN WITH BOTTLE F
15	SS TUBING WITH SATIN FINISH PROTECTIV DRINKING FOUNTAINS SEE 2/A-541
16	MICROWAVE, OF/OI
17	PLASTIC-LAMINATE OPEN-FRONT CABINET ADJUSTABLE SHELVING
18	CORIAN COUNTERTOP WITH PLASTIC-LAMI CABINETS





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# **BUILDING - NORTH/SOUTH SECTION**

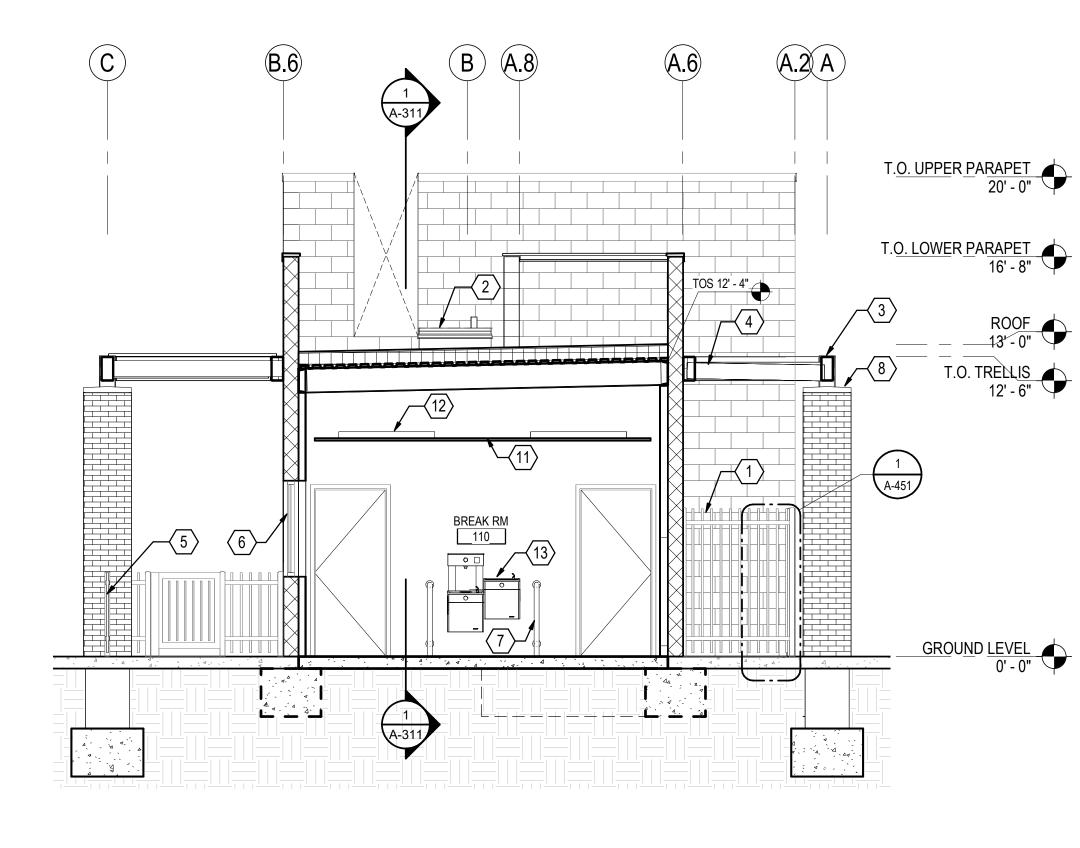
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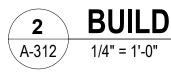




APPROVED BY:

ENGINEER





**BUILDING - NORTH/SOUTH SECTION** 

	KEYNOTES
1	6' HIGH PICKET FENCE WITH 36" WIDE GATE, SEE
2	24"X36" ROOF HATCH AND LADDER, SEE SHEET A
3	CLOSURE PLATE AT THE TOP OF HSS COLUMN
4	HSS BEAM, PAINT TO PT-3, SEE STRUCTURAL
5	42" HIGH PICKET FENCE, SEE LANDSCAPE DRAW
6	ALUMINUM WINDOW, SEE WINDOW SCHEDULE
7	SS TUBING WITH SATIN FINISH PROTECTIVE RAIL DRINKING FOUNTAINS SEE 2/A-541
8	CONCRETE COLUMN CAP
9	GYPSUM CEILING BOARD, REGULAR TYPE
10	RECESSED DOWNLIGHT, SEE ELECTRICAL DRAW
11	2' X 2' ACOUSTICAL TILE CEILING
12	SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL D
13	HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER
14	METAL DECK, GALVANIZED AND PAINTED PT-3

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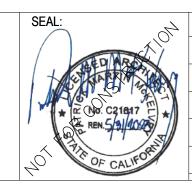


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ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

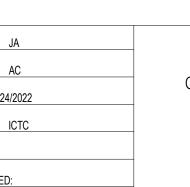
1/A-451	
1/A-451 A-543 FOR	
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# GENERAL NOTES

- REFER TO A-610 FOR DOOR & WINDOW SCHEDULE ELEVATIONS SHOWN ARE TO THE TOP OF WALL А

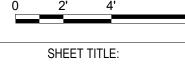
D

- SEE A-600 FOR INTERIOR FINISHES REFER TO A-500 FOR EXTERIOR & ROOF DETAILS REFER TO A-601 FOR PARTITION TYPES
- SEE STRUCTURAL DRAWINGS FOR ALL SLAB/FOOTING DETAILS, TYP



PROJECT DESCRIPTION:

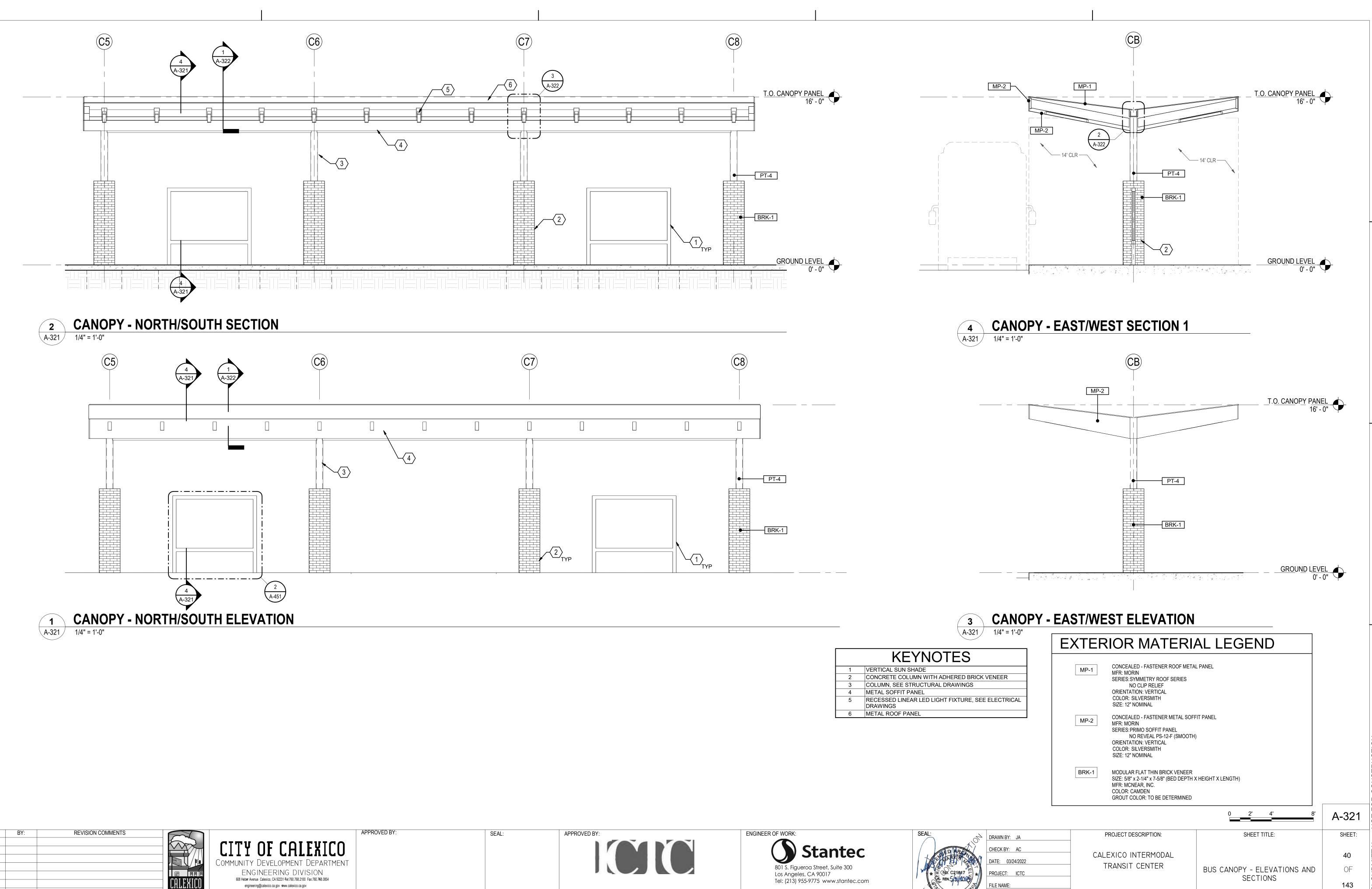
CALEXICO INTERMODAL TRANSIT CENTER



BUILDING - SECTIONS

A-312 SHEET: 39 OF 143

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DATE

ENGINEER

	KEYNOTES
1	VERTICAL SUN SHADE
2	CONCRETE COLUMN WITH ADHERED BRICK VENEER
3	COLUMN, SEE STRUCTURAL DRAWINGS
4	METAL SOFFIT PANEL
5	RECESSED LINEAR LED LIGHT FIXTURE, SEE ELECTRIC
6	METAL ROOF PANEL



DATE

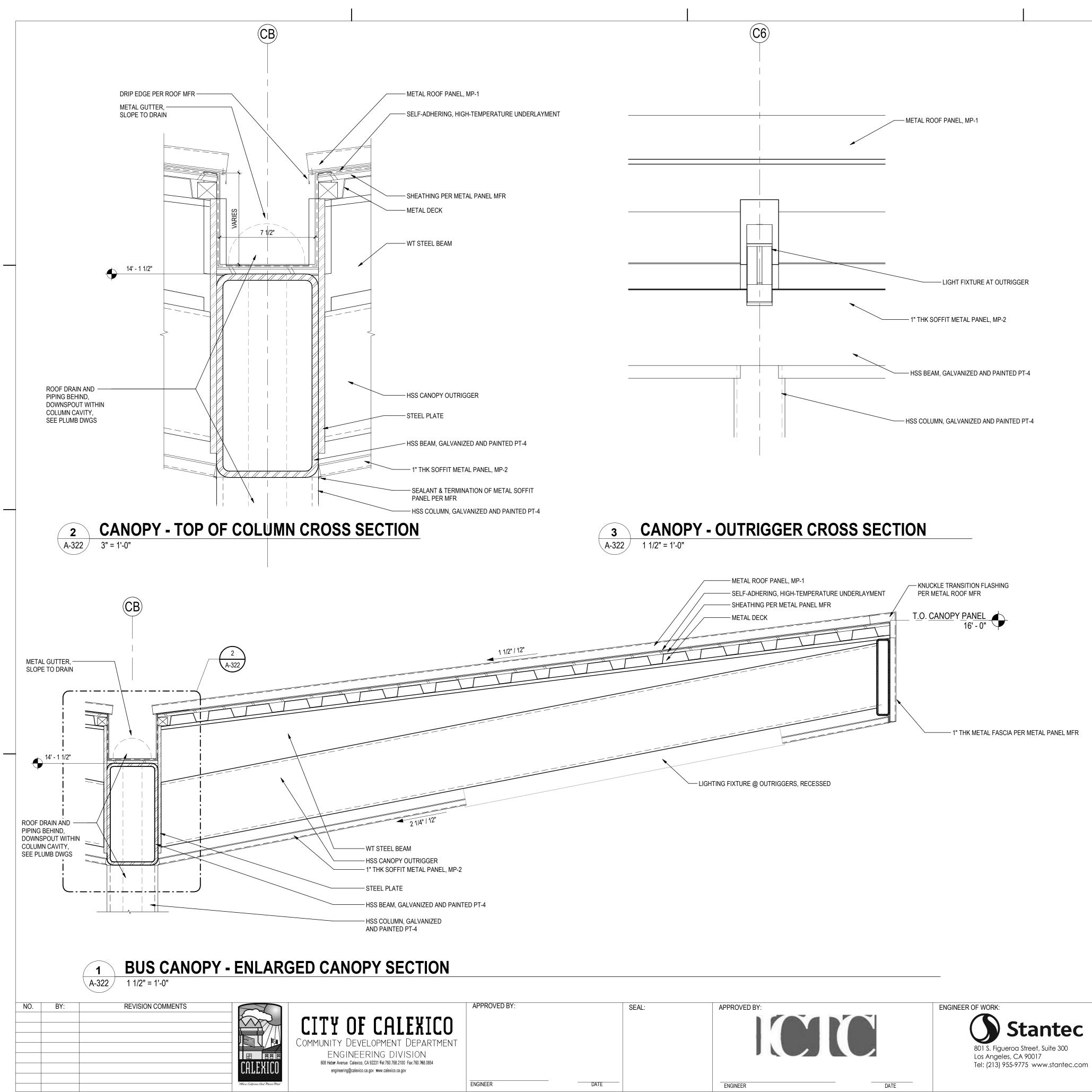


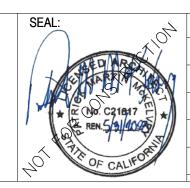
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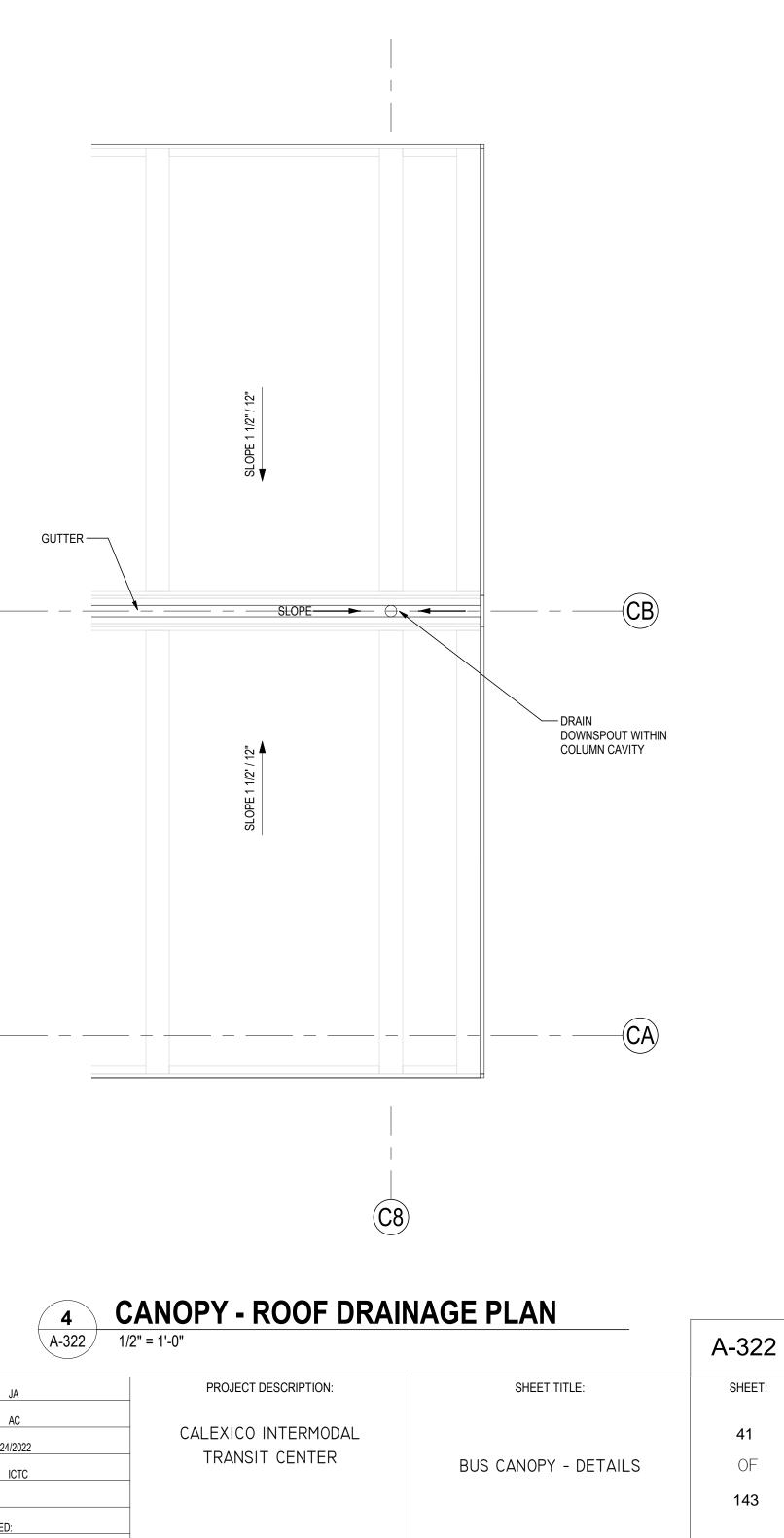
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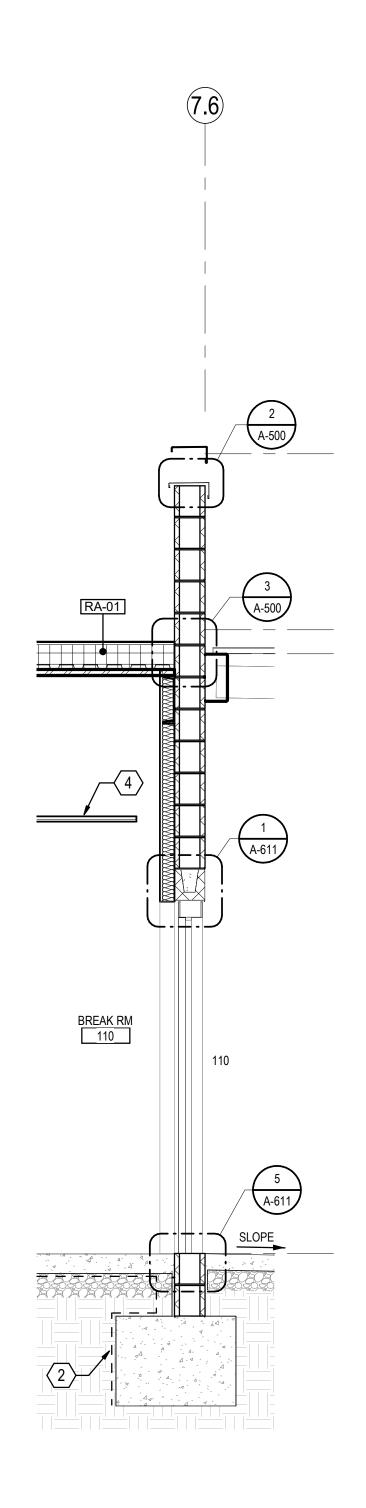
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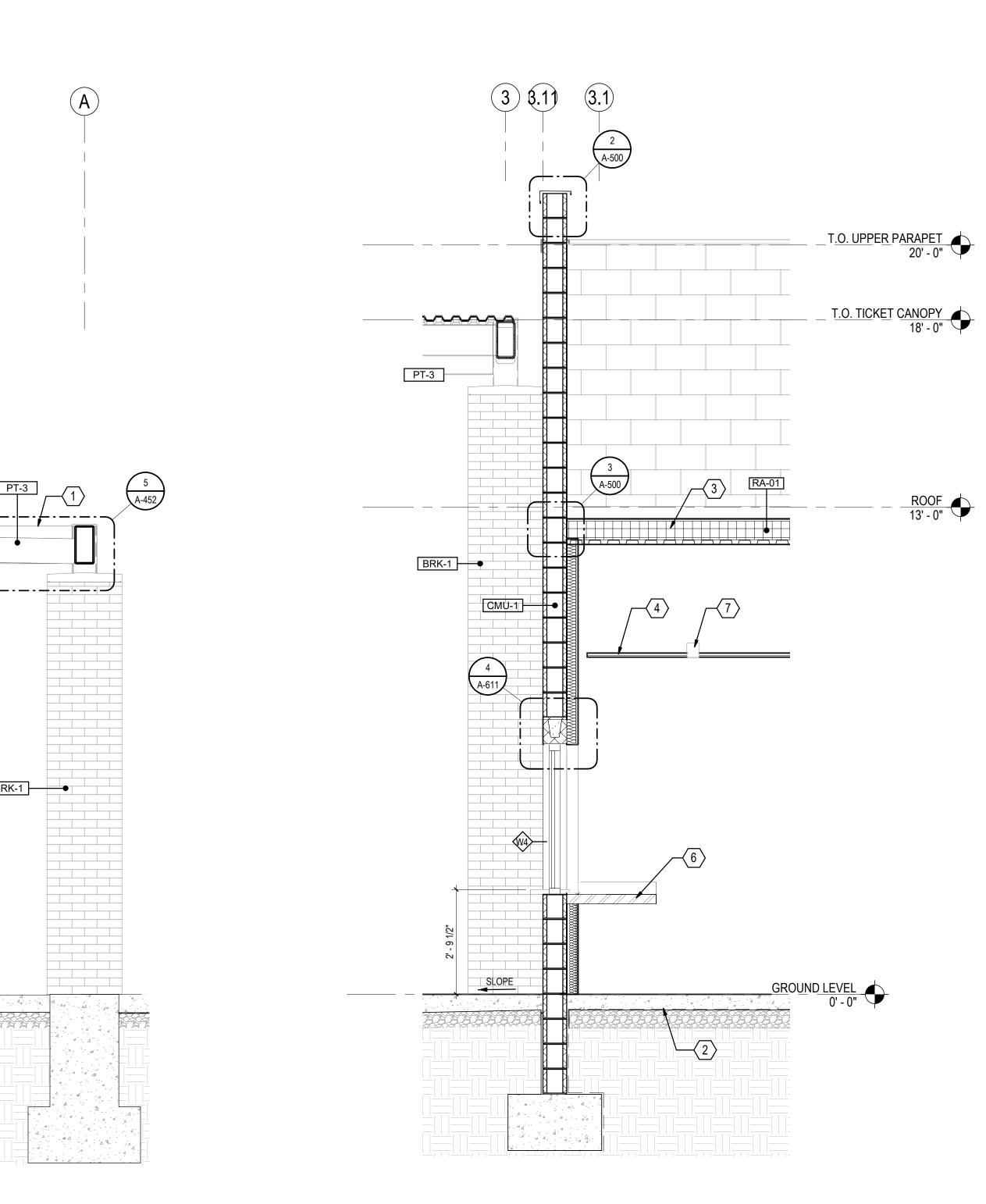


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ENGINEER	DATE

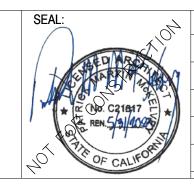




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ENGINEER OF WORK: Stantec 801 S. Figueroa Street, Suite 300 Los Angeles, CA 90017 Tel: (213) 955-9775 www.stantec.com



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# GENERAL NOTES

A B C D E F REFER TO A-610 FOR DOOR & WINDOW SCHEDULE ELEVATIONS SHOWN ARE TO THE TOP OF WALL SEE A-600 FOR INTERIOR FINISHES REFER TO A-500 FOR EXTERIOR & ROOF DETAILS REFER TO A-601 FOR PARTITION TYPES

SEE STRUCTURAL DRAWINGS FOR ALL SLAB/FOOTING DETAILS, TYP

	KEYNOTES
1	HSS BRACE, PAINT TO MATCH EXISTING ADJACENT STRUCTURE; SEE STRUCTURAL DRAWINGS
2	BELOW-GRADE VAPOR RETARDER, TYP
3	ROOFING TYPE 1, SEE 4/A-500
4	2' X 2' ACOUSTICAL TILE CEILING
5	RECESSED LINEAR LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
6	FURNITURE FF&E, OF/OI
7	SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS

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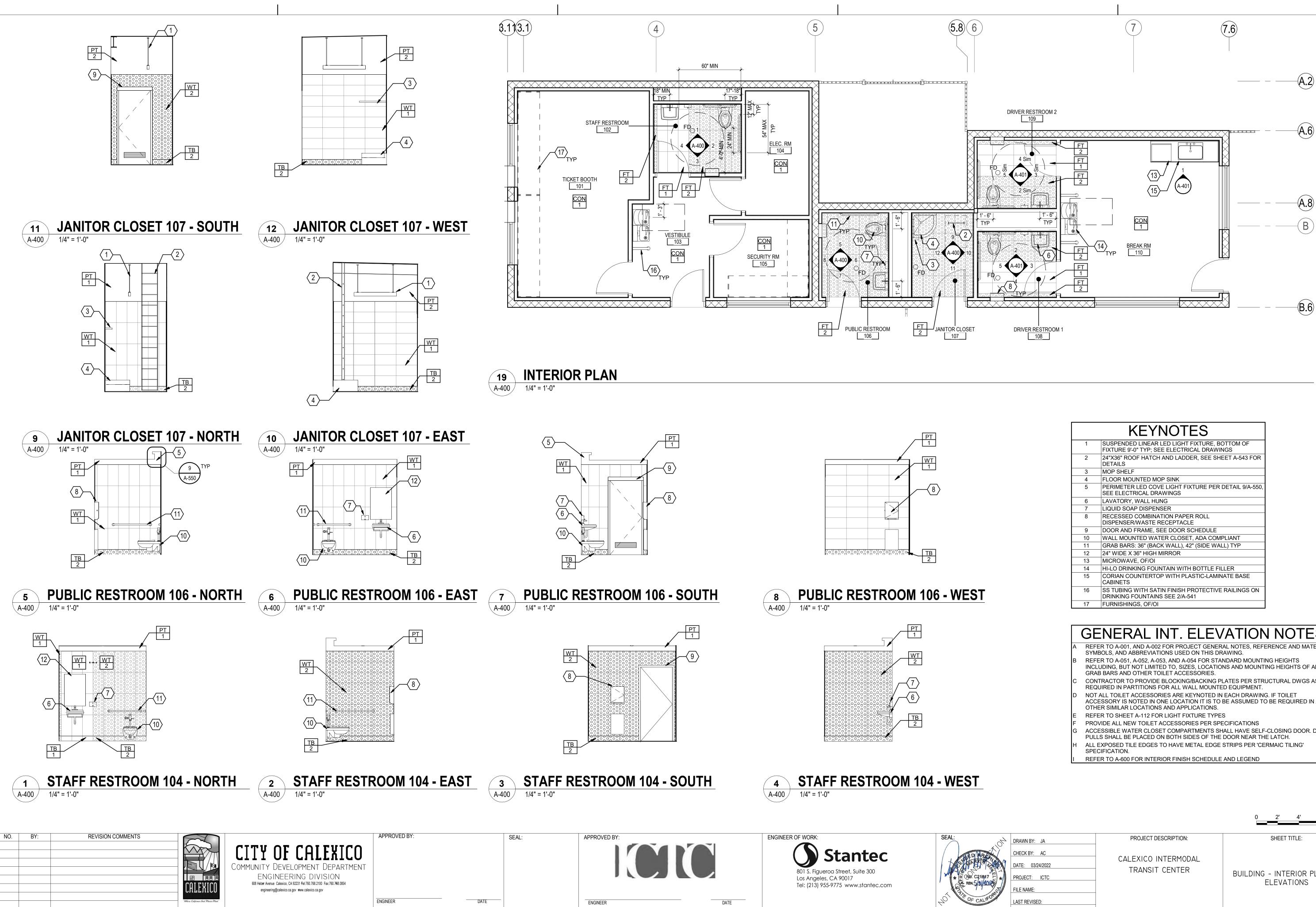
CALEXICO INTERMODAL TRANSIT CENTER SHEET TITLE:

BUILDING - WALL SECTIONS

OF 143

A-331

SHEET:



	KEYNOTES
1	SUSPENDED LINEAR LED LIGHT FIXTURE, BOTTOM OF FIXTURE 9'-0" TYP; SEE ELECTRICAL DRAWINGS
2	24"X36" ROOF HATCH AND LADDER, SEE SHEET A-543 FOR DETAILS
3	MOP SHELF
4	FLOOR MOUNTED MOP SINK
5	PERIMETER LED COVE LIGHT FIXTURE PER DETAIL 9/A-550, SEE ELECTRICAL DRAWINGS
6	LAVATORY, WALL HUNG
7	LIQUID SOAP DISPENSER
8	RECESSED COMBINATION PAPER ROLL DISPENSER/WASTE RECEPTACLE
9	DOOR AND FRAME, SEE DOOR SCHEDULE
10	WALL MOUNTED WATER CLOSET, ADA COMPLIANT
11	GRAB BARS: 36" (BACK WALL), 42" (SIDE WALL) TYP
12	24" WIDE X 36" HIGH MIRROR
13	MICROWAVE, OF/OI
14	HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER
15	CORIAN COUNTERTOP WITH PLASTIC-LAMINATE BASE CABINETS
16	SS TUBING WITH SATIN FINISH PROTECTIVE RAILINGS ON DRINKING FOUNTAINS SEE 2/A-541
17	FURNISHINGS, OF/OI

# **GENERAL INT. ELEVATION NOTES** REFER TO A-001, AND A-002 FOR PROJECT GENERAL NOTES, REFERENCE AND MATERIAL INCLUDING, BUT NOT LIMITED TO, SIZES, LOCATIONS AND MOUNTING HEIGHTS OF ADA GRAB BARS AND OTHER TOILET ACCESSORIES. CONTRACTOR TO PROVIDE BLOCKING/BACKING PLATES PER STRUCTURAL DWGS AS ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED TO BE REQUIRED IN ALL ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL HAVE SELF-CLOSING DOOR. DOOR

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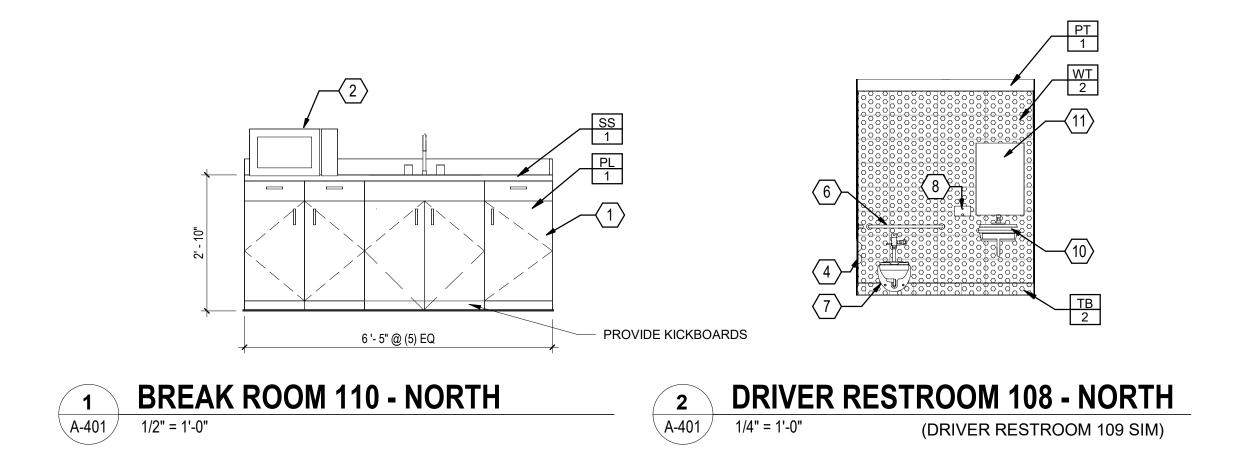
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A-400 SHEET: 43

OF

143

BUILDING - INTERIOR PLANS &

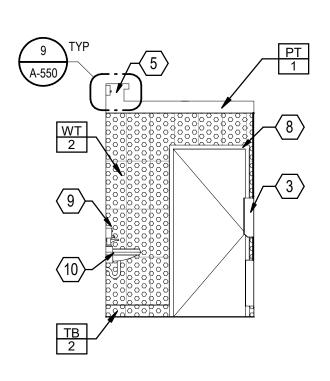


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			"Where California And Mexico Meet"	



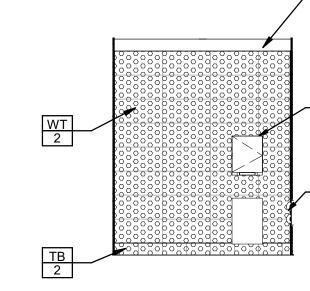
APPROVED BY:	

ENGINEER



DRIVER RESTROOM 108 - EAST 3 A-401 1/4" = 1'-0"

(DRIVER RESTROOM 109 SIM)





	KEYNOTES
1	CORIAN COUNTERTOP WITH PLASTIC-LAMINATE BASE CABINETS
2	MICROWAVE, OF/OI
3	RECESSED COMBINATION PAPER ROLL DISPENSER/WASTE RECEPTACLE
4	RECESSED COMBINATION TOILET SEAT COVER DISPENSER, SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER
5	PERIMETER LED COVE LIGHT FIXTURE PER DETAIL 9// SEE ELECTRICAL DRAWINGS
6	GRAB BARS: 36" (BACK WALL), 42" (SIDE WALL) TYP
7	WALL MOUNTED WATER CLOSET, ADA COMPLIANT
8	DOOR AND FRAME, SEE DOOR SCHEDULE
9	LIQUID SOAP DISPENSER
10	LAVATORY, WALL HUNG
11	24" WIDE X 36" HIGH MIRROR

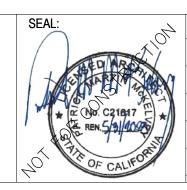
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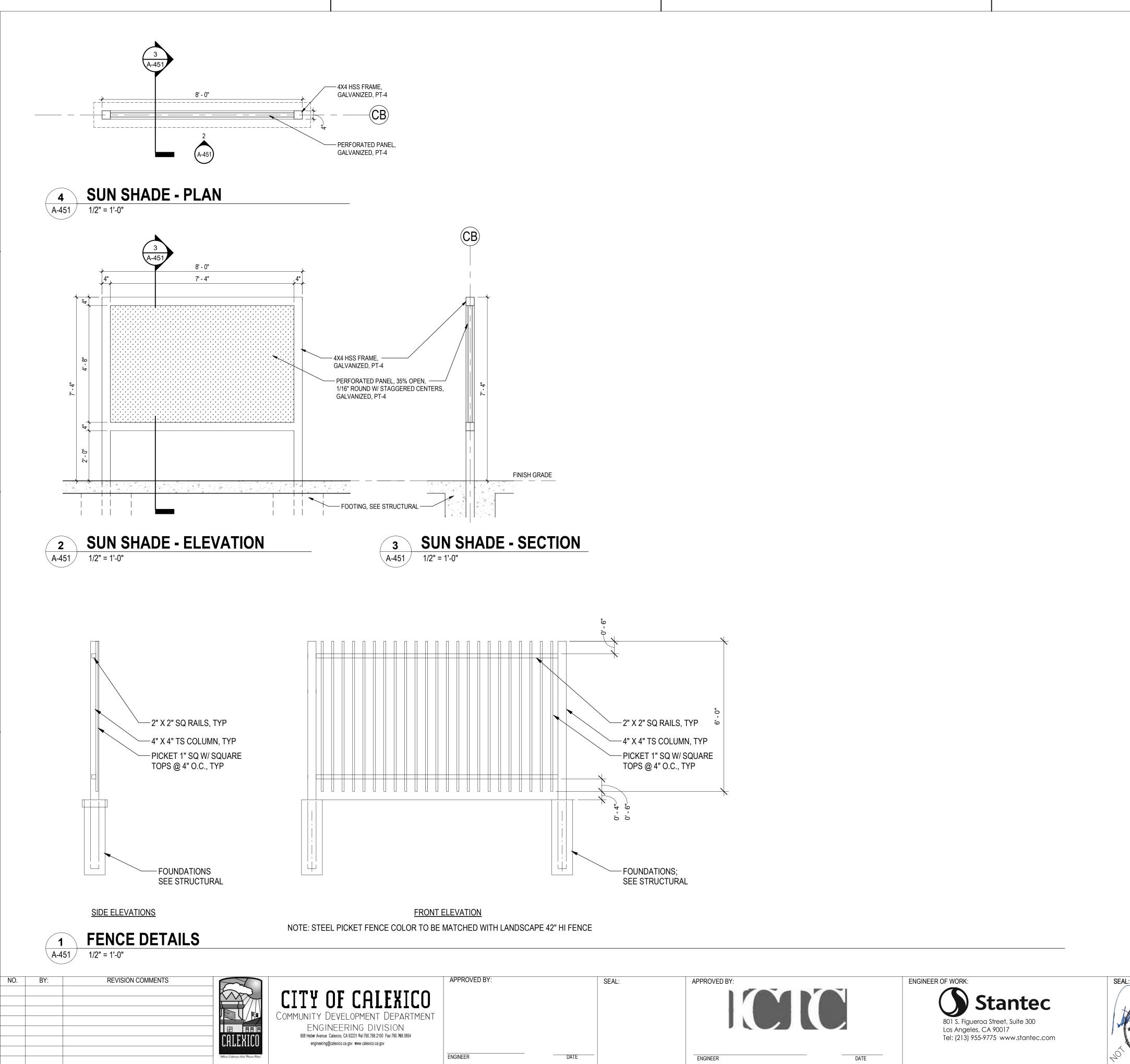
ENGINEER OF WORK:





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A REFER TO A-001, AND A-002 FOR PROJECT GENERAL NOTES, RE	
<ul> <li>SYMBOLS, AND ABBREVIATIONS USED ON THIS DRAWING.</li> <li>B REFER TO A-051, A-052, A-053, AND A-054 FOR STANDARD MOUN INCLUDING, BUT NOT LIMITED TO, SIZES, LOCATIONS AND MOUN GRAB BARS AND OTHER TOILET ACCESSORIES.</li> </ul>	NTING HEIGHTS NTING HEIGHTS OF ADA
C CONTRACTOR TO PROVIDE BLOCKING/BACKING PLATES PER S REQUIRED IN PARTITIONS FOR ALL WALL MOUNTED EQUIPMEN	IT. /ING. IF TOILET
D NOT ALL TOILET ACCESSORIES ARE KEYNOTED IN EACH DRAW ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS	
<ul> <li>ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS.</li> <li>REFER TO SHEET A-112 FOR LIGHT FIXTURE TYPES</li> <li>F PROVIDE ALL NEW TOILET ACCESSORIES PER SPECIFICATIONS</li> <li>G ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL HAVE SE</li> </ul>	ELF-CLOSING DOOR. DOOR
<ul> <li>ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS.</li> <li>E REFER TO SHEET A-112 FOR LIGHT FIXTURE TYPES</li> <li>F PROVIDE ALL NEW TOILET ACCESSORIES PER SPECIFICATIONS</li> </ul>	ELF-CLOSING DOOR. DOOR THE LATCH. 'CERMAIC TILING'
<ul> <li>ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS.</li> <li>E REFER TO SHEET A-112 FOR LIGHT FIXTURE TYPES</li> <li>F PROVIDE ALL NEW TOILET ACCESSORIES PER SPECIFICATIONS</li> <li>G ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL HAVE SE PULLS SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR</li> <li>H ALL EXPOSED TILE EDGES TO HAVE METAL EDGE STRIPS PER ' SPECIFICATION.</li> </ul>	ELF-CLOSING DOOR. DOOR THE LATCH. 'CERMAIC TILING'
<ul> <li>ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS.</li> <li>E REFER TO SHEET A-112 FOR LIGHT FIXTURE TYPES</li> <li>F PROVIDE ALL NEW TOILET ACCESSORIES PER SPECIFICATIONS</li> <li>G ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL HAVE SE PULLS SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR</li> <li>H ALL EXPOSED TILE EDGES TO HAVE METAL EDGE STRIPS PER ' SPECIFICATION.</li> </ul>	ELF-CLOSING DOOR. DOOR THE LATCH. 'CERMAIC TILING'
<ul> <li>ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS.</li> <li>E REFER TO SHEET A-112 FOR LIGHT FIXTURE TYPES</li> <li>F PROVIDE ALL NEW TOILET ACCESSORIES PER SPECIFICATIONS</li> <li>G ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL HAVE SE PULLS SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR</li> <li>H ALL EXPOSED TILE EDGES TO HAVE METAL EDGE STRIPS PER ' SPECIFICATION.</li> <li>I REFER TO A-600 FOR INTERIOR FINISH SCHEDULE AND LEGENE</li> </ul>	ELF-CLOSING DOOR. DOOR THE LATCH. CERMAIC TILING'
0. ACCESSORY IS NOTED IN ONE LOCATION IT IS TO BE ASSUMED OTHER SIMILAR LOCATIONS AND APPLICATIONS. E REFER TO SHEET A-112 FOR LIGHT FIXTURE TYPES F PROVIDE ALL NEW TOILET ACCESSORIES PER SPECIFICATIONS G ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL HAVE SE PULLS SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR H ALL EXPOSED TILE EDGES TO HAVE METAL EDGE STRIPS PER SPECIFICATION. I REFER TO A-600 FOR INTERIOR FINISH SCHEDULE AND LEGENE	ELF-CLOSING DOOR. DOOR THE LATCH. ICERMAIC TILING'





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PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

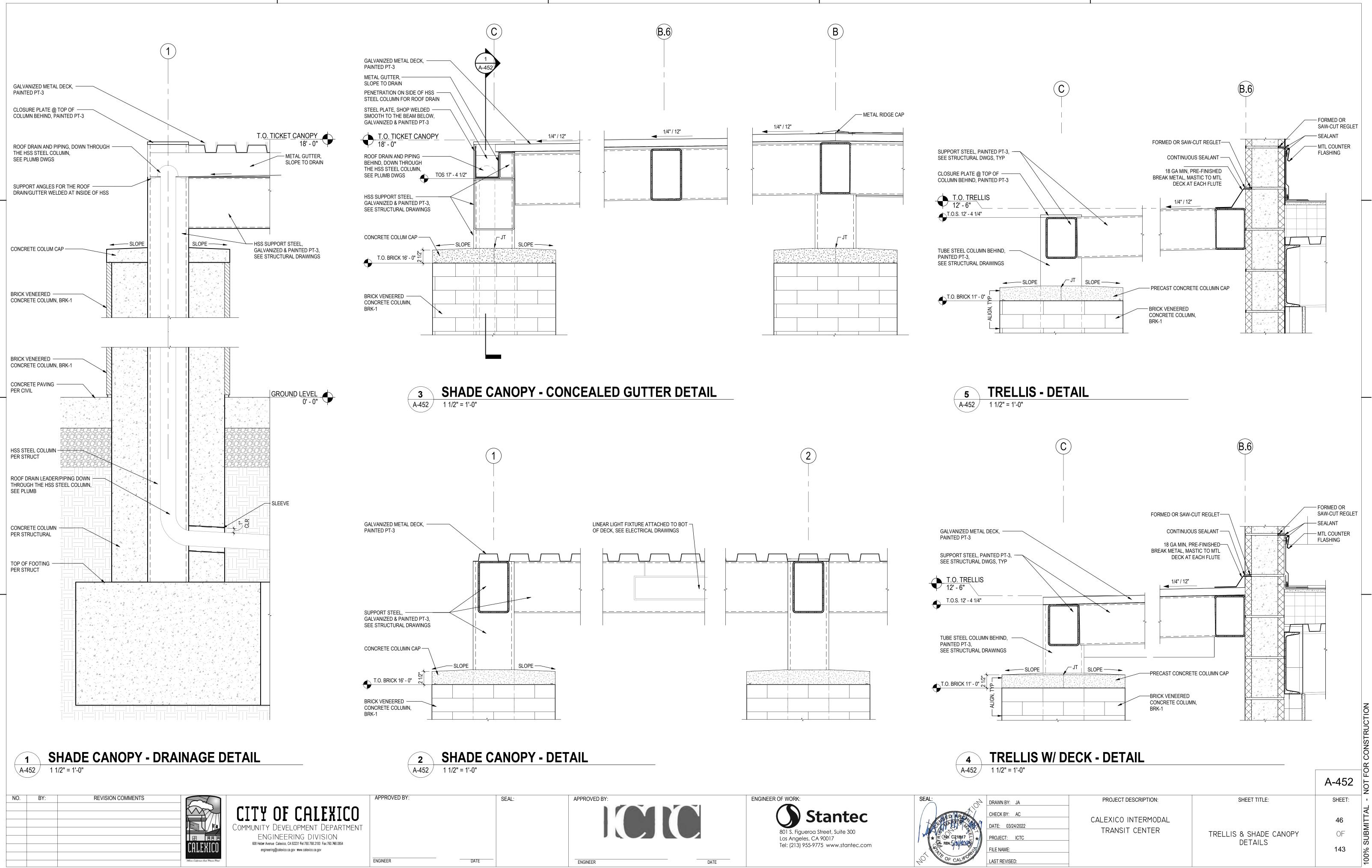
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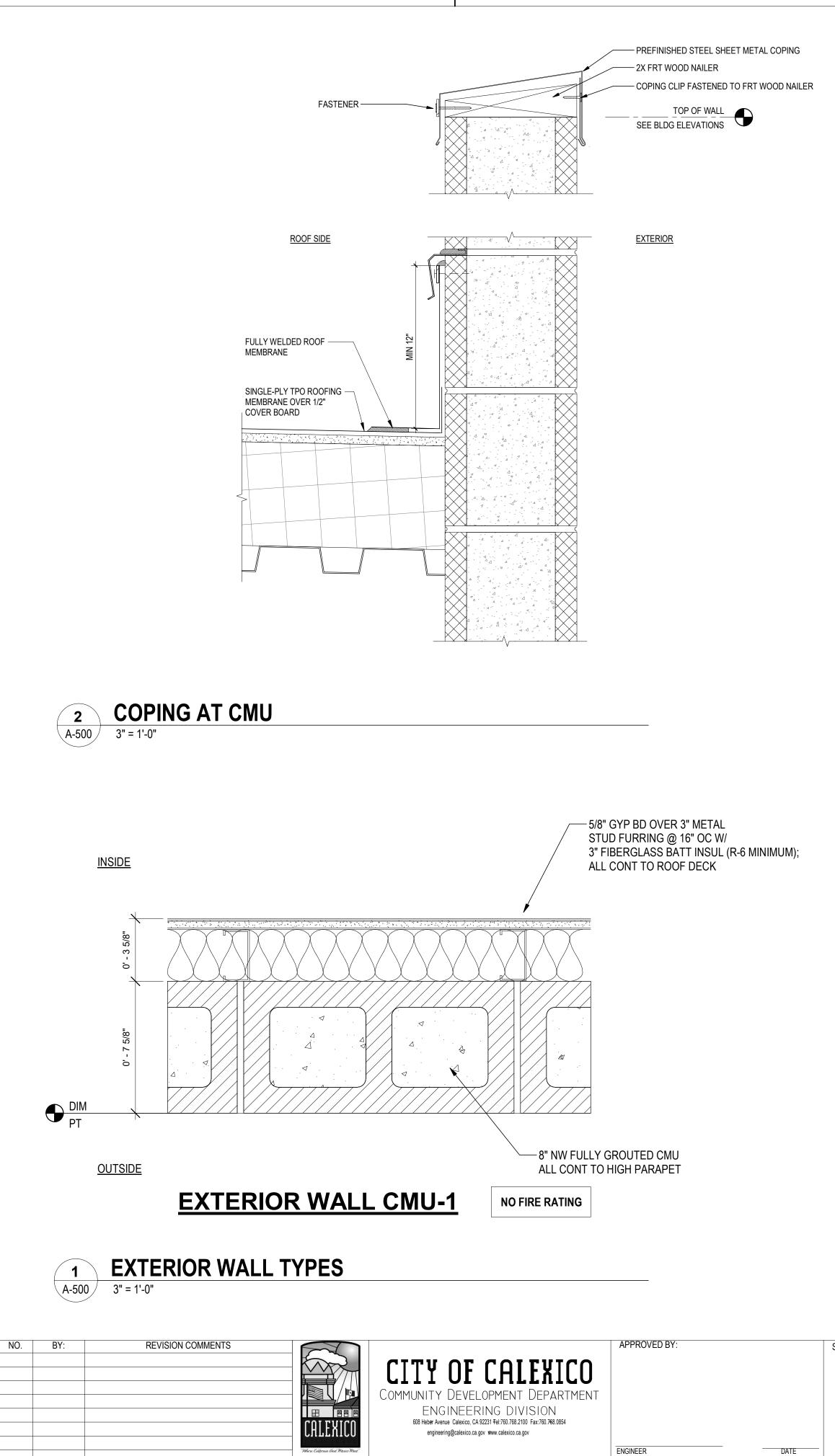
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SHEET: 45

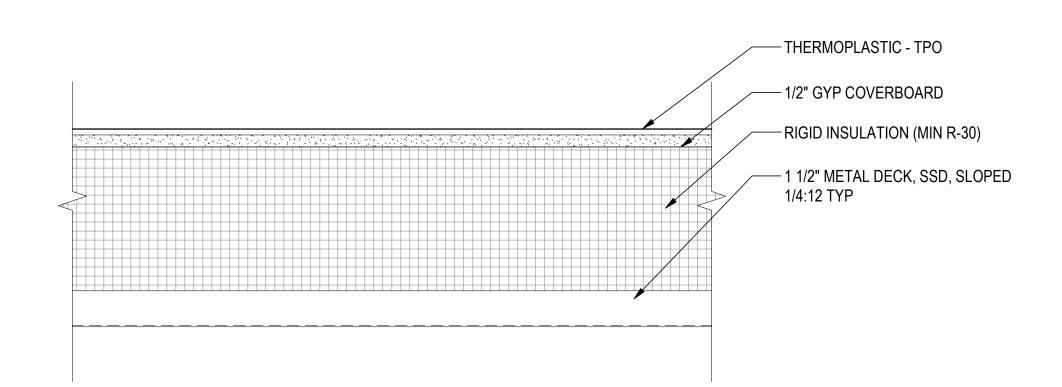
OF 143

A-451





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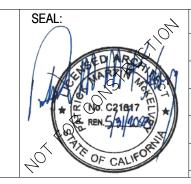
**ROOF AT CMU** 3" = 1'-0"





ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

JA AC 24/2022 ICTC PROJECT DESCRIPTION:

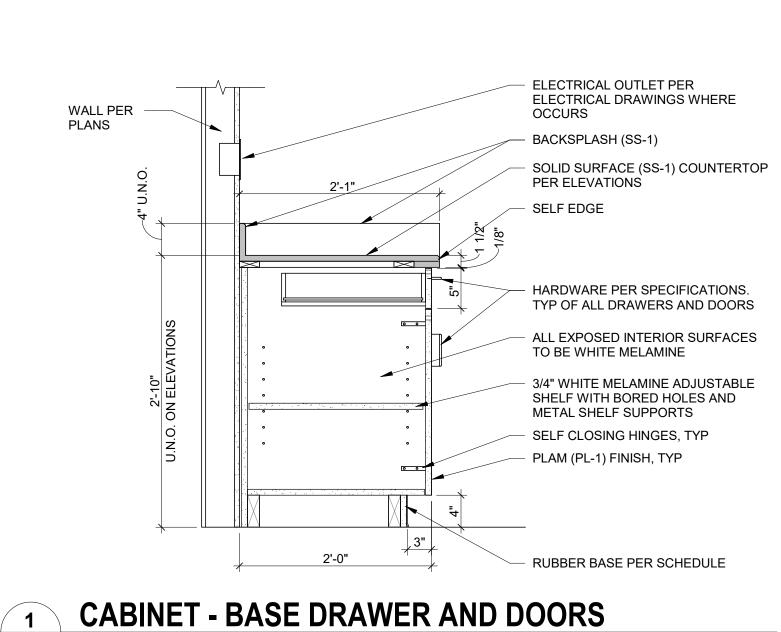
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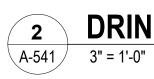
EXTERIOR & ROOF DETAILS

A-500 SHEET: 47 OF 143

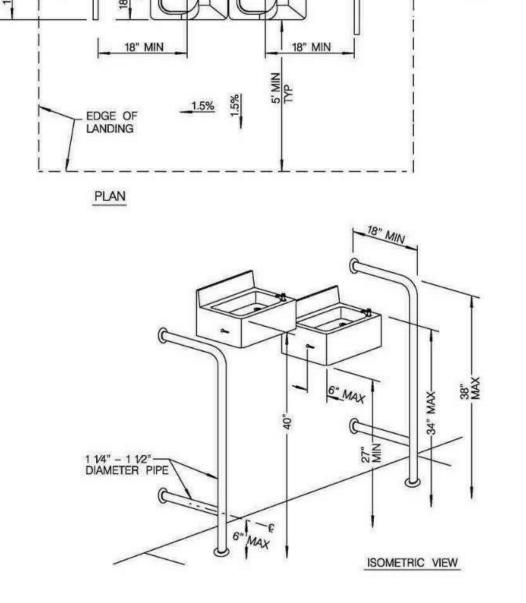
		A-541 1" = 1'-0"		
NO.	BY:	REVISION COMMENTS	These California California	CITTY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMEN ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 Fel:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov Www.calexico.ca.gov

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APPROVED BY:			
ENGINEER		DATE	





# **DRINKING FOUNTAIN GRAB BAR**



- WALL

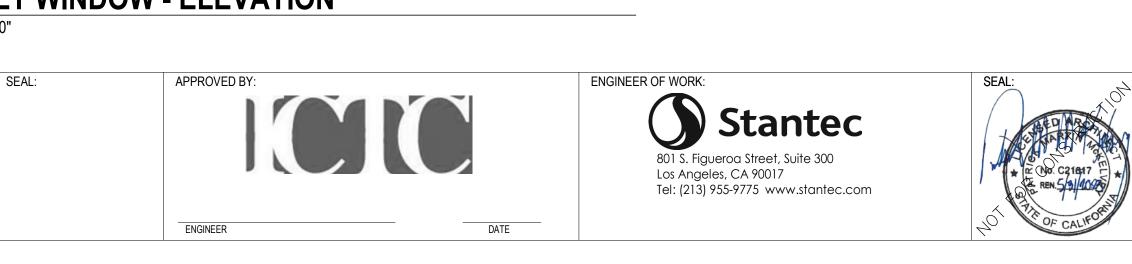


2' - 0"

3 5/8" ,

-

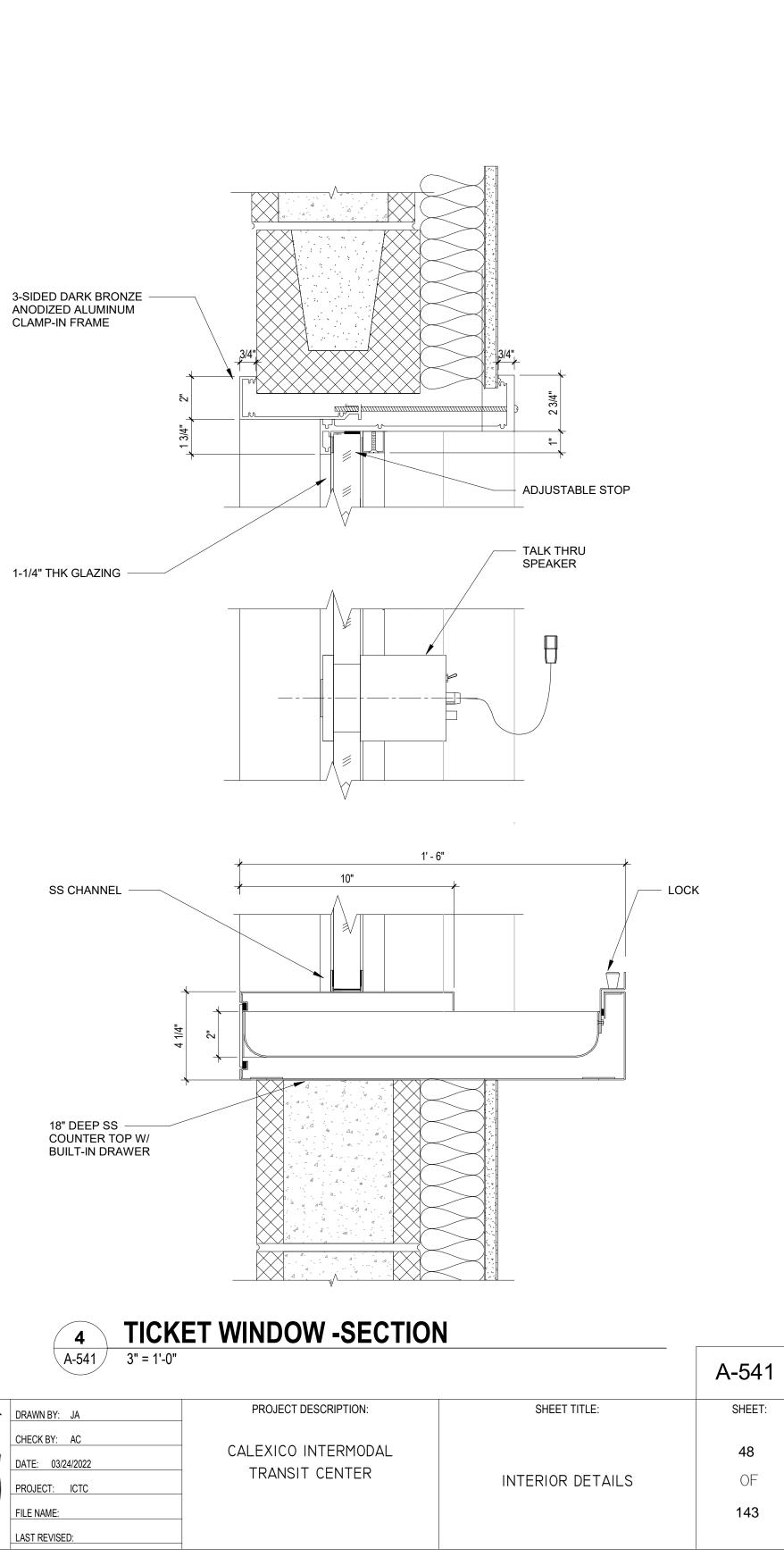
4 1/8"

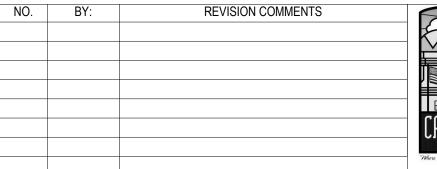


# TALK THRU SPEAKER 1-1/4" THK GLAZING -(--(+)--)-SS CHANNEL - 18" DEEP SS COUNTER TOP W/ BUILT-IN DRAWER 1' - 2"

3-SIDED DARK BRONZE
 ANODIZED ALUMINUM
 CLAMP-IN FRAME

REFER TO WINDOW
 SCHEDULE





A-543 1 1/2" = 1'-0"

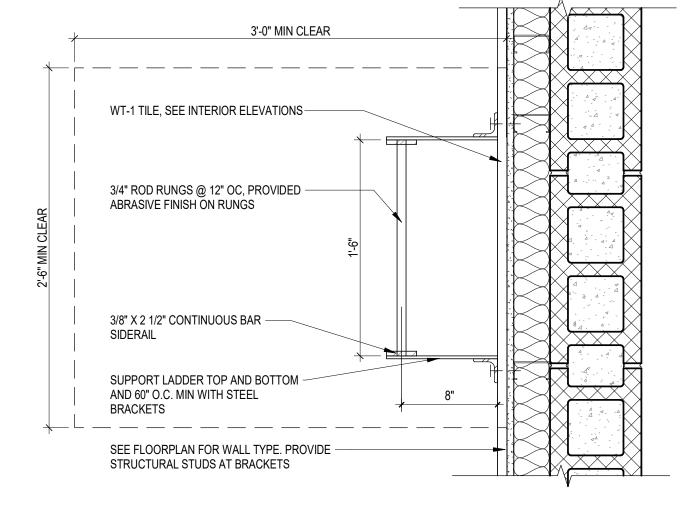
**1** 



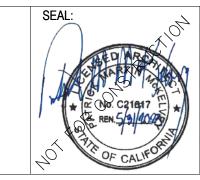
**ROOF ACCESS LADDER** 

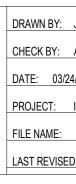
CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 ₹el:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov www.calexico.ca.gov

APPROVED BY:		SEAL:
NGINEER	DATE	









### **ROOF ACCESS LADDER - BOTTOM 2 ROOF A**-543 1 1/2" = 1'-0"

3/4" ROD RUNG @ 12" O.C., PROVIDE -

SEE FLOOR PLAN FOR WALL TYPE-

3/8" X 2 1/2" CONTINUOUS BAR --SIDERAIL

2" X 2" X 4" LONG ANGLES, ATTACH — TO WALL THRU PLYWOOD WITH (2) ANCHORS

SUPPORT LADDER TOP AND ------BOTTOM AND 60" O.C. MIN WITH STEEL BRACKETS

NOTE: PAINT LADDER INCLUDING BRACKETS AND

BARCKET PER MFR-

BASE AS SCHEDULED-

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+ -

2

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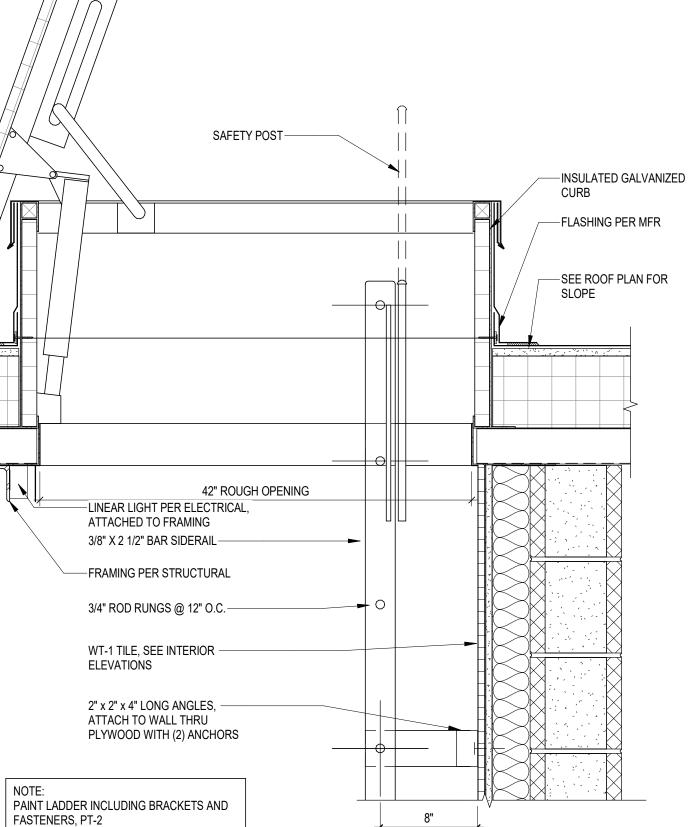
12

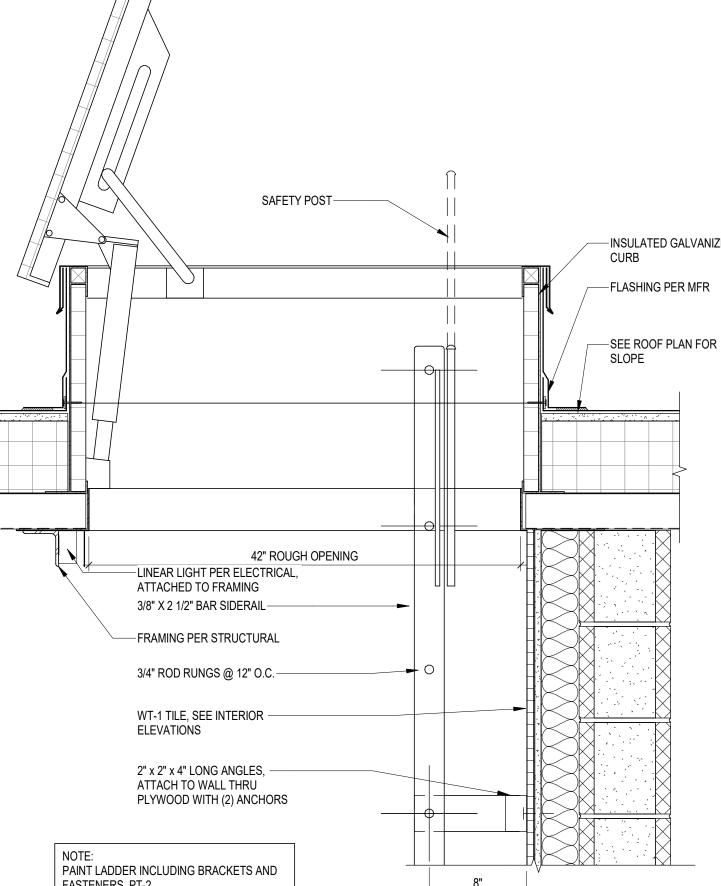
ABRASIVE FINISH ON RUNGS

FASTENERS, PT-2









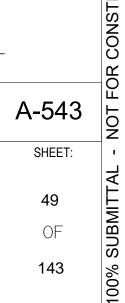
JA
AC
4/2022
ICTC

### PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

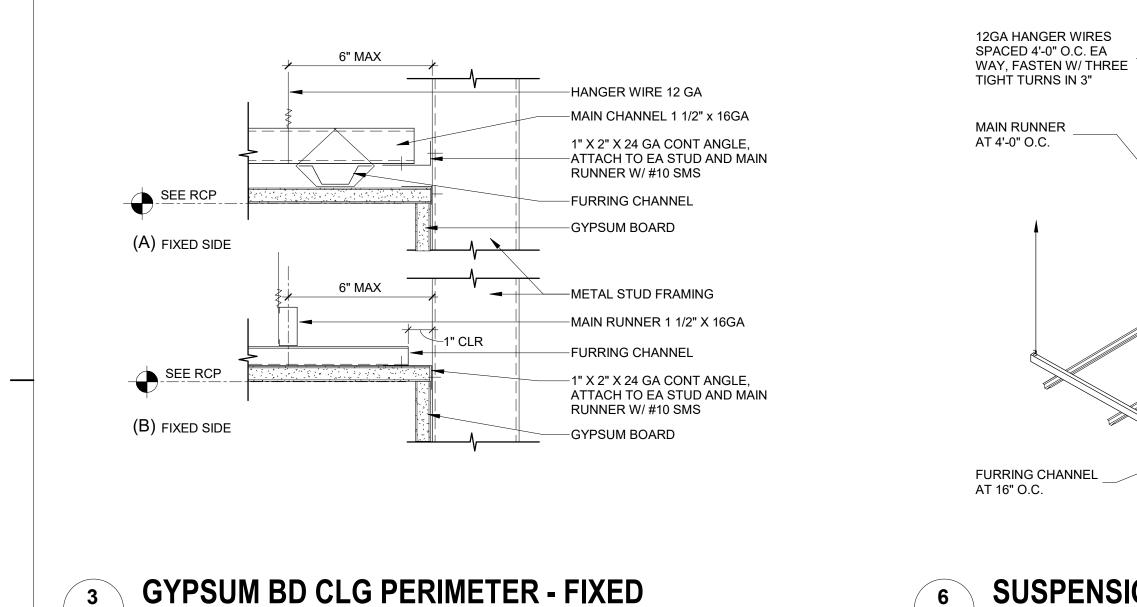
SHEET TITLE:

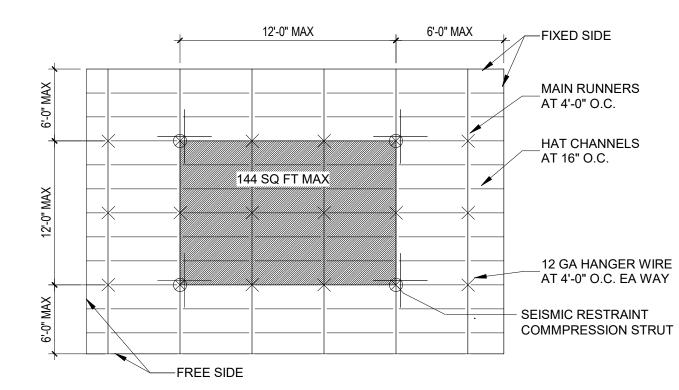
LADDER DETAILS



RUCTION

-INSULATED LID





**TYP GYPSUM BD CLG SUSPENSION** 

LIGHT FIXTURE

-AT ACOUSTICAL

CEILING, LOCATE

MISC. CEILING DEVICE

(I.E. SPEAKERS ETC)

CENTER OF 2' x 2'

-2' X 2' SCORE LINE

WHERE OCCURS

2' x 4' CLG PANEL

-DIFFUSER

PANEL

A-550 3" = 1'-0"

2

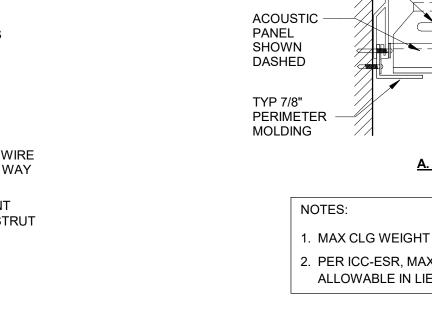
A-550

1

A-550 3" = 1'-0"

3" = 1'-0"

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A-550

1/2" = 1'-0"

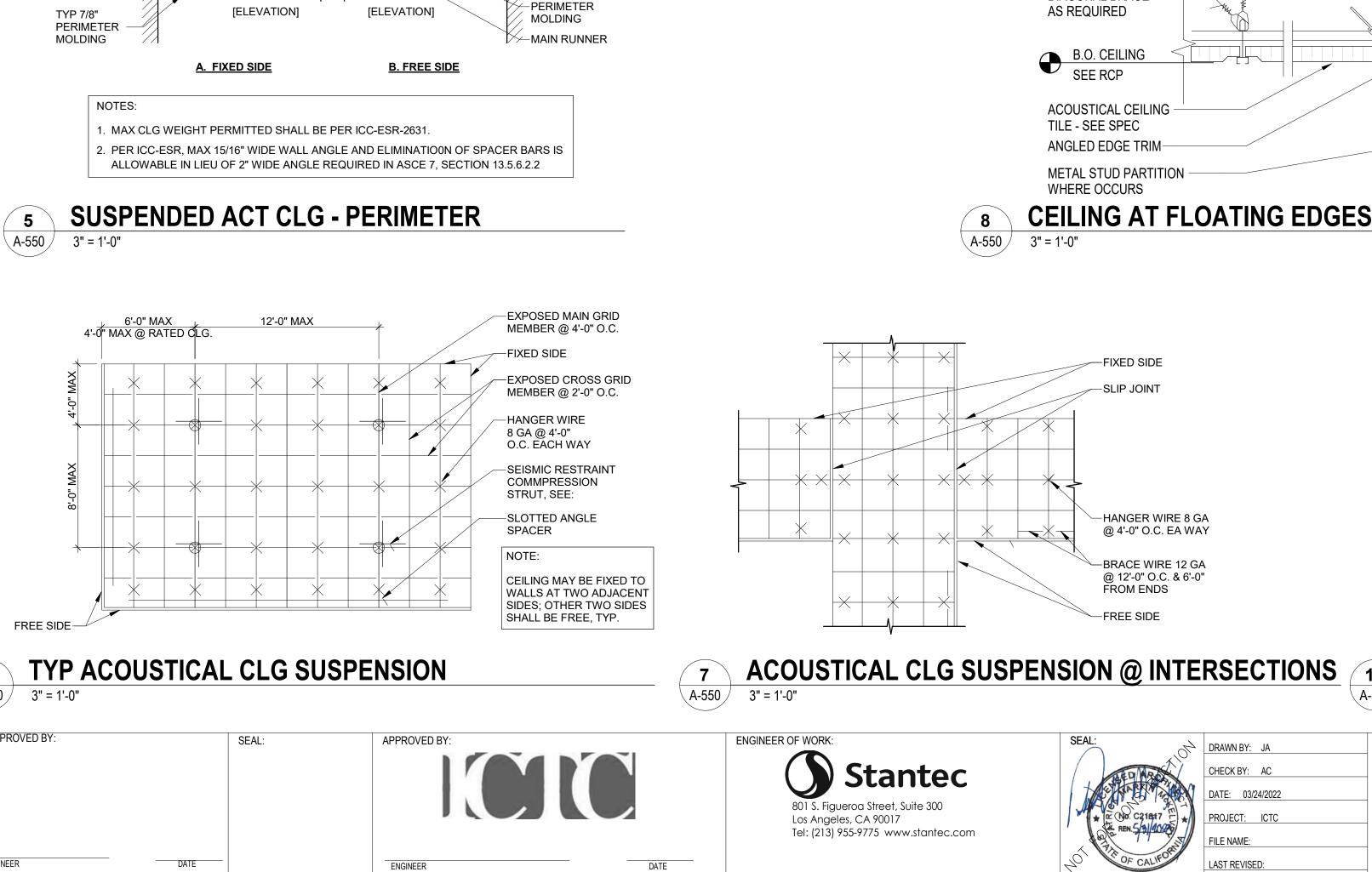
SEISMIC CLIP

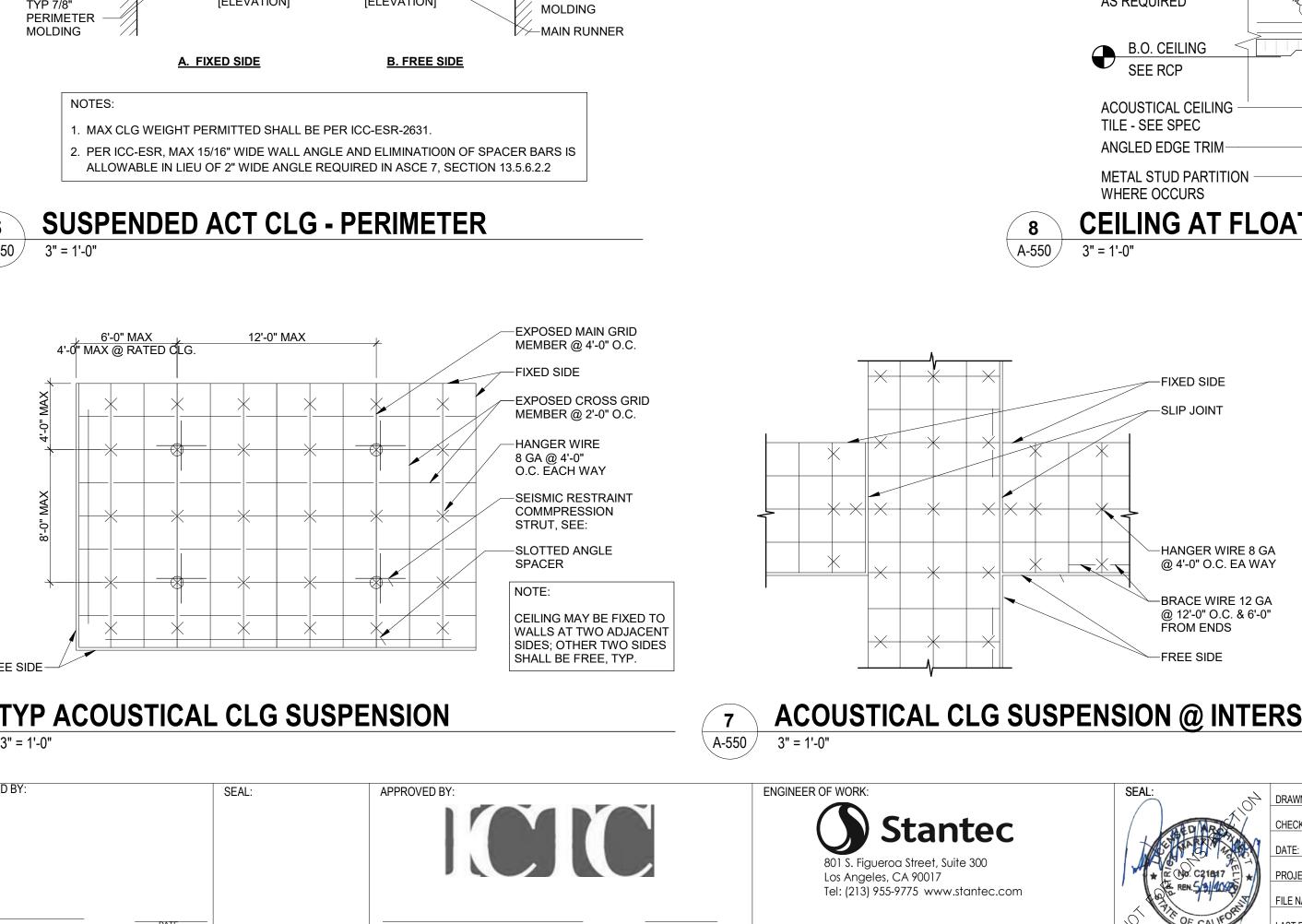
ATTACHMENT

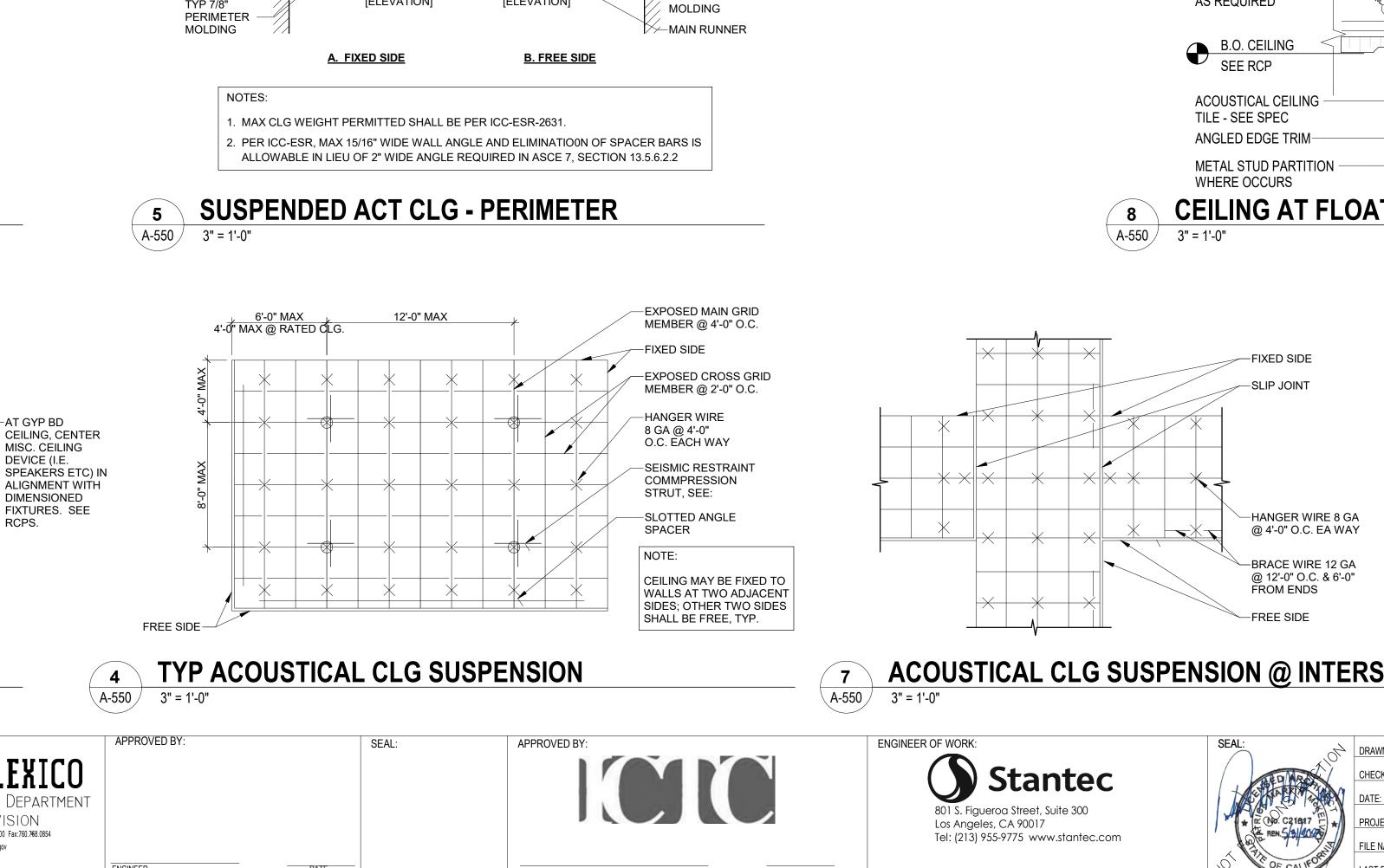
W/SCREW

TO MAIN

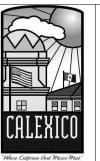
RUNNER







NO.	BY:	REVISION COMMENTS	
			-
			LH
			Where Ca



**TYPICAL GUIDELINES FOR RCP LAYOUTS** 

-LIGHT

FIXTURE

CITY OF CALEXICO DEVELOPMENT DEPARTMENT OMMUNITY ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 ₹el:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov www.calexico.ca.gov

-AT GYP BD

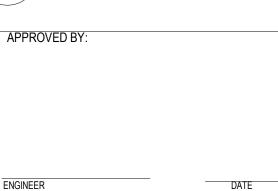
DEVICE (I.E.

MISC. CEILING

DIMENSIONED

RCPS.

FIXTURES. SEE



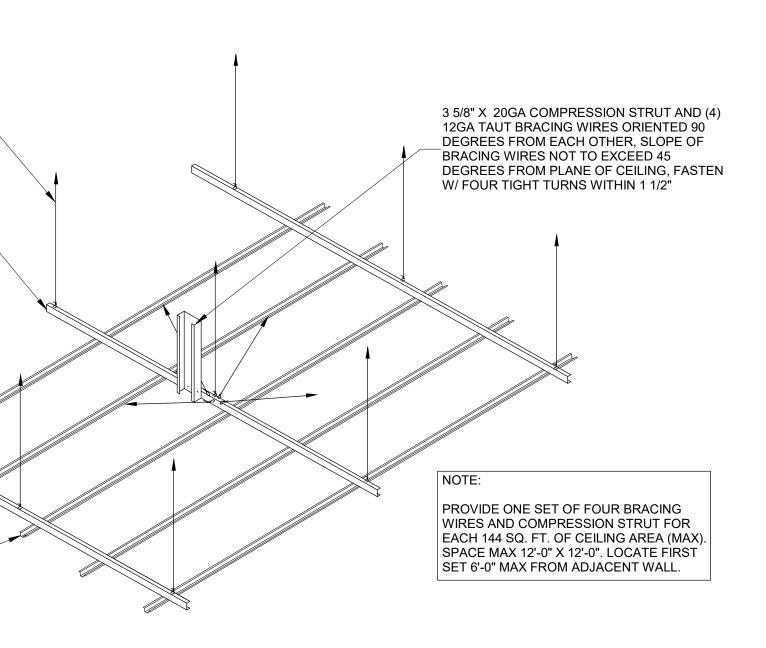
# SUSPENSION CEILING BRACING

8" MAX

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8" MAX

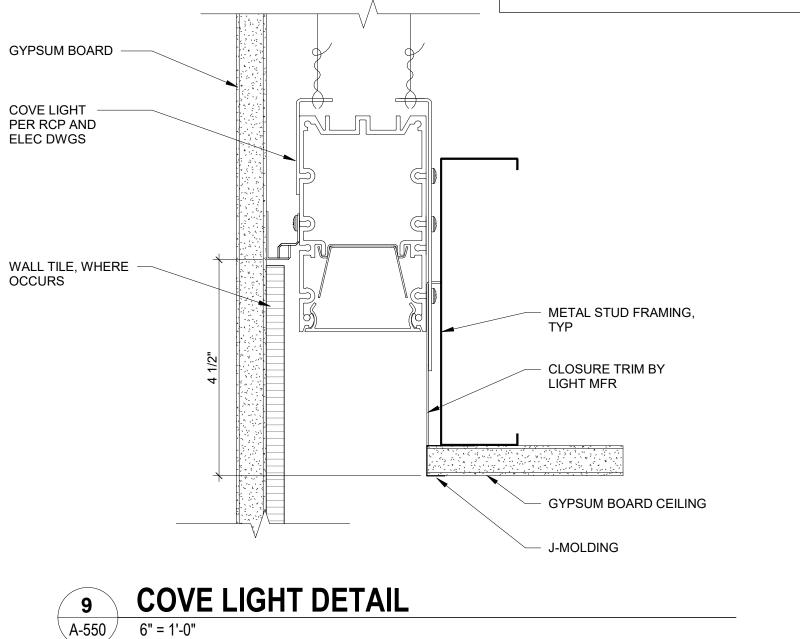


-3/4" FROM GRID

TYP 7/8"

TO INSIDE

OF ANGLE



METAL STUD

BRACING AS

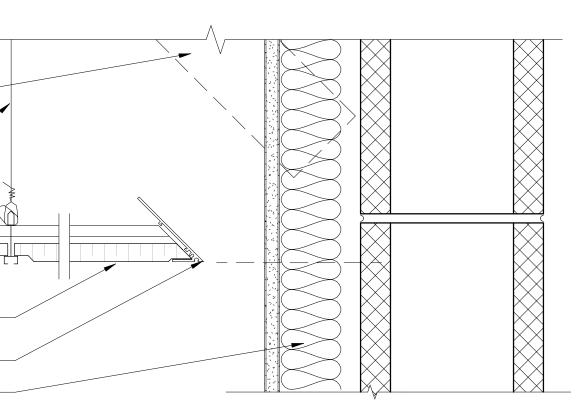
WIRE SUPPORT,

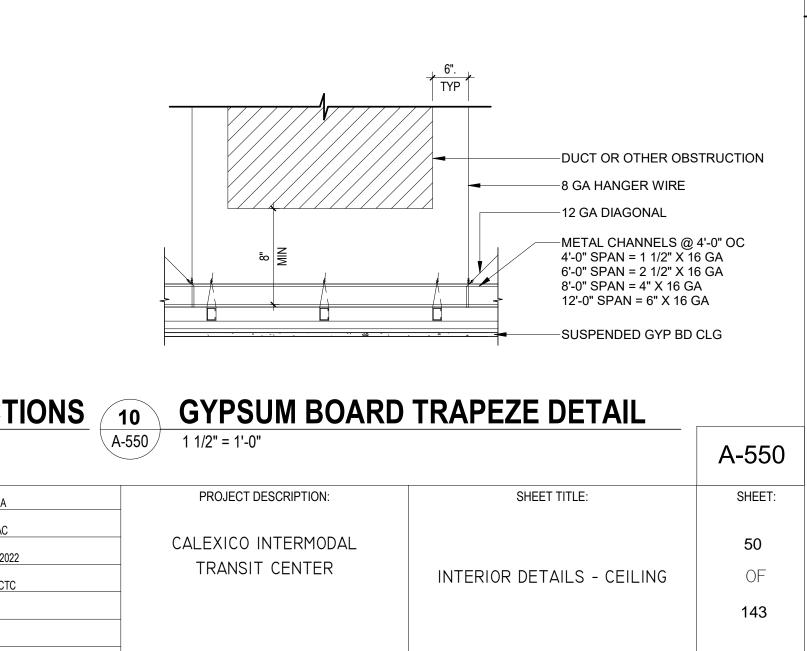
DIAGONAL BRACE

REQUIRED



- 1. ACOUSTICAL CEILING SUSPENSION SYSTEM TO COMPLY WITH 2019 CBC SECTION 808: ASCE 7-10
- & ASTM C635&C636 2. FOR SUSPENDED CEILING AREAS EXCEEDING 2,500 SF, A SEISMIC SEPARATION JOINT OR FULL HEIGHT PARTITIONS THAT BREAKS UP THE CEILING INTO AREAS NOT EXCEEDING 2,500 SF
- (ASCE 7-10, SECTION 13.5.6.2.26)
- 3. INSTALL SUSPENSION SYSTEM IN COMPLIANCE WITH ESR-1308





ROOM FINISH SCHEDULE										
			FLC	OR		W	ALLS			
NUMBER	NAME	AREA	FINISH	BASE	NORTH FINISH	EAST FINISH	SOUTH FINISH	WEST FINISH	CEILING FINISH	REMARKS
101	TICKET BOOTH	223 SF	CON-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	1,2
102	STAFF RESTROOM	53 SF	FT-1/ FT-2	TB-1/ TB-2	WT-1/WT-2	WT-2	WT-2	WT-2	GB-1	3,5
103	VESTIBULE	89 SF	CON-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP	2
104	ELEC. RM	70 SF	CON-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP	2
105	SECURITY RM	66 SF	CON-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	1
106	PUBLIC RESTROOM	50 SF	FT-2	TB-2	WT-1	WT-1	WT-1	WT-1	GB-1	3
107	JANITOR CLOSET	47 SF	FT-2	TB-2	WT-1	WT-1	WT-1	WT-1	EXP	2,3
108	DRIVER RESTROOM 1	45 SF	FT-1/ FT-2	TB-1/ TB-2	WT-2	WT-2	WT-2	WT-1/WT-2	GB-1	3,5
109	DRIVER RESTROOM 2	48 SF	FT-1/ FT-2	TB-1/ TB-2	WT-2	WT-2	WT-2	WT-1/WT-2	GB-1	3,5
				RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	1,2

# FINISH REMARKS

PROVIDE 1" MINI BLINDS AT EACH WINDOW. ALL EXPOSED DECKING, BEAMS, DUCTS, PIPES AND CONDUITS TO BE PAINTED. PT-2 REFER TO INTERIOR ELEVATIONS ON SHEET A-400 FOR TILE FLOORING AND WALL LAYOUT WALL FINISHES APPLY TO ALL WALL SURFACES WITHIN THE ROOM. RESTROOM DOOR FRAME AND DOOR PAINTED TO MATCH WT-2. PT-5

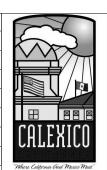
# ABBREVIATIONS

N/A EXP

NOT APPLICABLE EXPOSED

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DATE

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# FINISH LEGEND

<u> TILES</u>		ARCHITECTU	RAL FINISHES
WT 1 WT-1	WALL TILE MFR: DALTILE TYPE: PORTFOLIO COLOR: ASH GREY PF05	PL 1 PL-1	<b>PLASTIC LAMINATE</b> MFR: FORMICA COLOR: GRAPHITE
	FINISH: MATTE SIZE: 12" X 24"	SS 1 SS-1	SOLID SURFACE COUNTER MFR: CORIAN COLOR: GREY ONYX
WT <b>WT-2</b>	WALL TILE	CEILING FINIS	SHES
	MFR: DALTILE TYPE: VOLUME 1.0 COLOR: INTENSITY PEBBLE VL72 FINISH: MATTE	GB 1 <b>GB-1</b>	GYPSUM BOARD CEILING FINISH: PT-1
<u>6490000000</u>	SIZE: 12" X 24"	ACT 1 ACT-1	ACOUSTICAL CEILING TILE MFR: ARMSTRONG TYPE: ULTIMA COLOR: WHITE SIZE: 2' X 2' X 1" EDGE: SQUARE TEGULAR
		<u>PAINTS</u>	
<b>FT</b> 1 <b>FT-1</b>	FLOOR TILE MFR: DALTILE TYPE: PORTFOLIO COLOR: ASH GREY PF05	PT 1 <b>PT-1</b>	INTERIOR WALL & CEILING MFR: BENJAMIN MOORE COLOR: SUPER WHITE FINISH: EGG SHELL SEMI-GLOSS AT RE
	FINISH: MATTE SIZE: 12" X 24"	PT 2 <b>PT-2</b>	<b>PAINT</b> MFR: BENJAMIN MOORE COLOR: SPACE BLACK FINISH: EGG SHELL
<b>FT</b> 2 <b>FT-2</b>	<b>FLOOR TILE</b> MFR: DALTILE TYPE: VOLUME 1.0	PT 3 <b>PT-3</b>	<b>PAINT</b> MFR: BENJAMIN MOORE COLOR: DARK BRONZE FINISH: SEMI-GLOSS
	COLOR: INTENSITY PEBBLE VL72 FINISH: MATTE SIZE: 12" X 24"	PT 4 <b>PT-4</b>	PAINT COLOR: TO MATCH METAL MP-1 & MP-2 (SILVER SMITH
		PT <b>PT-5</b>	<b>PAINT</b> COLOR: TO MATCH WT-2
	<u>NISHES</u>		
CMU-1	CONCRETE MASONRY UNIT MFR: RCP COLOR: BUFF TYPE: PRECISION SIZE: 8" X 8" X 16"		
BRK-1	THIN BRICK VENEER MFR: McNEAR SERIES: SANDMOLD COLOR: CAMDEN SIZE: 5/8" x 2-1/4" x 7-5/8" (BED DEPTH X GROUT COLOR: TO BE DETERMINED	HEIGHT X LENGTH)	
MP-1	ROOF METAL PANEL MFR: MORIN SERIES: SYMMETRY ROOF SERIES NO CLIP RELIEF COLOR: SILVERSMITH SIZE: 12"		
MP-2	METAL SOFFIT PANEL MFR: MORIN SERIES: PRIMO SOFFIT PANEL NO REVEAL PS-12-F (SMOOTH) COLOR: SILVERSMITH SIZE: VARIES		
	ENGINEER OF WORK:		SEAL:

DATE

**Stantec** 801 S. Figueroa Street, Suite 300 Los Angeles, CA 90017 Tel: (213) 955-9775 www.stantec.com



CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

### FLOOR FINISHES

CON 1	CON-1

POLISHED CONCRETE COLOR: AS-CAST FINISH: SEALER

### **BASE FINISHES**

RB 1 <b>RB-1</b>	RUBBER WALL BASE
	MFR: ROPPE
	COLOR: 123 CHARCOAL
	TYPE: PINNACLE, NO TOE BASE
	SIZE: 4"

TB 1 <b>TB-1</b>	TILE COVE
	MFR: DA
	TYPE: PO
	COLOR: AS
	FINISH MA

E **BASE** ALTILE ORTFOLIO SH GREY PF05 FINISH: MATTE SIZE: 6" x 24"

ROOMS

TB 2	TB-2

### **TILE COVE BASE** MFR: DALTILE TYPE: INTENSITY PEBBLE VL72 COLOR: ASH GREY PF05 FINISH: MATTE SIZE: 6" x 24"

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

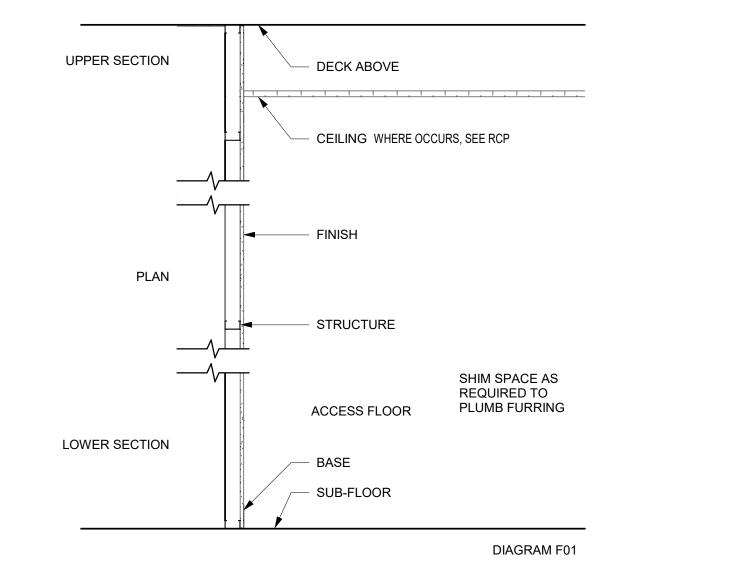
SHEET TITLE:

FINISH SCHEDULE AND LEGEND

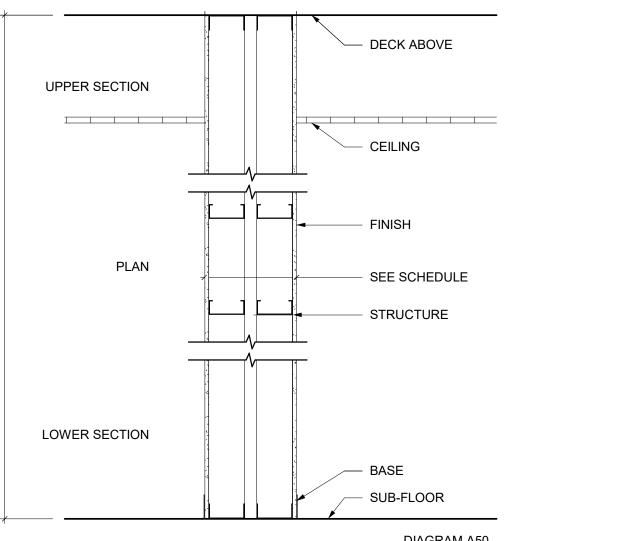
OF 143

A-600

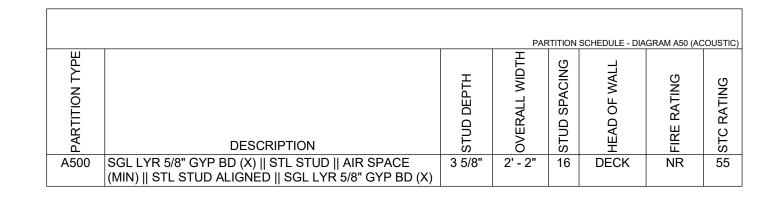
SHEET:

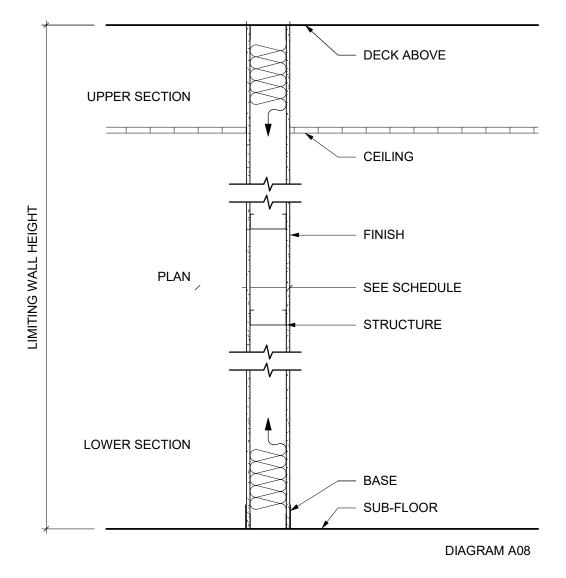


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				PARTITI	ON SCHEDULE - DI	AGRAM F01 (	FURRING
PARTITION TYPE	DESCRIPTION	STUD DEPTH	OVERALL WIDTH	STUD SPACING	HEAD OF WALL	FIRE RATING	STC RATING
F024	STL STUD    5/8" GYP BD (X)	3"	0' - 3 5/8"	24	CEILING	NR	NR





			PAF	RTITION	SCHEDULE - DIA	GRAM A08 (AC	COUSTIC)
PARTITION TYPE	DESCRIPTION	STUD DEPTH	OVERALL WIDTH	STUD SPACING	HEAD OF WALL	FIRE RATING	STC RATING
A092	SGL LYR 5/8" GYP BD (X)    STL STUD \ 3 1/2" MINERAL or GLASS    SGL LYR 5/8" GYP BD (X)	3 5/8"	0' - 4 7/8"	16	DECK	NR	47

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			/Vhere



COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 Fel:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov Www.calexico.ca.gov APPROVED BY:

ENGINEER

DIAGRAM A50

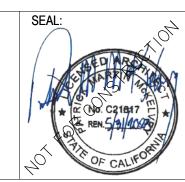
SEAL

DATE



ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED: A. SUBSTITUTE TILE BACKER BOARD (CERTIFIED) FOR GYPSUM BOARD AT AREAS INDICATED TO RECEIVE CERAMIC OR PORCELAIN TILE. SEE SPECIFICATION FOR TYPE.
B. PROVIDE BLOCKING AND DRAFT STOPS PER GOVERNING CODES AND AS INDICATED ON DRAWINGS.

C. PROVIDE .093" CONTROL JOINTS AT 30' ON CENTER AT STRAIGHT, UNBROKEN GYPSUM BOARD WALLS PER ASTM C 840 AND SPECIFICATION. D. PROVIDE FIRE-RESISTANCE RATED ACCESS PANELS AND FRAMES IN FIRE RESISTANCE RATED

GYPSUM BOARD WALLS WHERE REQUIRED TO ACCESS MECHANICAL EQUIPMENT, PLUMBING EQUIPMENT, DAMPERS, VALVES AND FILTERS. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL REFERENCES.

E. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND DETAILS. F. SEE STRUCTURAL DRAWINGS FOR ALLOWABLE SLIP-TYPE HEAD DETAILS.

G. USE LIMITING WALL HEIGHT TABLES ON SHEET A-601 FOR ALLOWABLE MINIMUM GAUGE OF METAL STUDS.

H. ALL DIMENSIONS ARE TO FINISHED FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED AND DO NOT INCLUDE APPLIED FINISHES. I. PARTITION TYPE DIAGRAMS DO NOT INCLUDE FINISHES. SEE FINISH SCHEDULES, INTERIOR

ELEVATIONS AND/ OR INTERIOR DESIGN DRAWINGS FOR APPLIED FINISH INFORMATION. J. SEE STRUCTURAL DRAWINGS FOR ATTACHMENT, BRACING, REINFORCING AND GROUTING OF CMU PARTITIONS. K. PROVIDE PENETRATION FIRE STOPPING AT ALL LOCATIONS WHERE PIPES, CONDUIT, ETC. PASS

THROUGH FIRE RESISTANCE RATED CONSTRUCTION. L. PROVIDE FIRE/ SMOKE DAMPERS AT ALL LOCATIONS WHERE DUCTS PASS THROUGH FIRE RESISTANCE RATED PARTITIONS. SEE MECHANICAL

RESISTANCE RATED PARTITIONS, SEE MECHANICAL. M. FRAME HINGE OR LATCH FACE OF DOOR FRAMES 4" FROM ANY PERPENDICULAR WALL UNLESS DIMENSIONED OTHERWISE.

	FOR NON-STRU	CTURAL COMPOSITE PARTITION	S			
		LIMITING WALL HEIGHT (LWH) FOR STUD SPACING @ 16 INCHES O.C.				
STUD DEPTH	METAL THICKNESS	LWH @ 5 PSF @ L/240 PAINTED WALLS	LWH @ 5 PSF @ L/360 TILED WALLS			
	(0.1.11) (05.01.05)	(SEE LWH TABLE NOTE 1)	(SEE LWH TABLE NOTE 2			
	18 MIL (25 GAGE)	11'-3"	9'-9"			
2-1/2"	30 MIL (20 DW GAGE)	12'-0"	10'-6"			
	33 MIL (20 ST GAGE)	12'-9"	11'-0"			
	43 MIL (18 GAGE)	14'-9"	12'-9"			
	18 MIL (25 GAGE)	14'-3"	12'-3"			
	30 MIL (20 DW GAGE)	15'-6"	13'-6"			
3-5/8"	33 MIL (20 ST GAGE)	16'-3"	14'-3"			
	43 MIL (18 GAGE)	18'-0"	15'-6"			
	54 MIL (16 GAGE)	19'-6"	17'-0"			
	68 MIL (14 GAGE)	20'-0"	17'-3"			
	18 MIL (25 GAGE)	19'-9"	17'-9"			
	30 MIL (20 DW GAGE)	23'-0"	20'-3"			
0.1	33 MIL (20 ST GAGE)	24'-6"	21'-3"			
6"	43 MIL (18 GAGE)	28'-3"	24'-6"			
	54 MIL (16 GAGE)	30'-0"	26'-0"			
	68 MIL (14 GAGE)	32'-0"	28'-0"			
	43 MIL (18 GAGE)	34'-3"	30'-0"			
8"	54 MIL (16 GAGE)	36'-6"	32'-0"			
	68 MIL (14 GAGE)	39'-9"	34'-9"			
RECEI	NOTES: AINTED WALLS" COLUMN FC VING ADHERED TILE 4" IN GR	39-9" OR WALLS LEFT UNFINISHED, WAI REATEST LENGTH OR WIDTH DIM NALLS RECEIVING ADHERED TILE	LLS PAINTED, OR WALLS ENSION.			

LWH TABLE 1-16, NON STRUCTURAL, COMPOSITE

A C 2022 CTC

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER SHEET TITLE:

PARTITION TYPES

143

OF

A-601

SHEET:

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					DOOR					FR/	AME		DETAILS				
NO	ROOM NAME	HW	DIMEN WIDTH	NSIONS HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	GLAZING	HEAD	JAMB	THRESHOLD	FIRE RATING	REMARKS
		1_															
101	TICKET BOOTH	5	3' - 0"	7' - 0"	1 3/4"	D01	HM	PT-3	F01	HM	PT-3	-	6/A-611	6/A-611	7/A-611	NR	
102		6	3' - 0"	7' - 0"	1 3/4"	D01	HM	PT-3	F01	HM	PT-3	-	6/A-611	6/A-611	7/A-611	NR	2
103 104	VESTIBULE ELEC. ROOM	3	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	D01 D01	HM HM	PT-3 PT-3	F02 F01	HM HM	PT-3 PT-3	-	1/A-611 6/A-611	1/A-611 6/A-611	5/A-611 7/A-611	NR NR	
104	SECURITY ROOM	3	3 - 0	7 - 0	1 3/4"	D01	НМ	PT-3	F01	НМ	PT-3 PT-3	-	6/A-611	6/A-611 6/A-611	7/A-611	NR	
105	PUBLIC RESTROOM	2	3' - 0"	7' - 0"	1 3/4"	D01	HM	PT-3	F02	HM	PT-3	-	1/A-611	1/A-611	5/A-611	NR	3
107	JANITOR CLOSET	1	3' - 0"	7' - 0"	1 3/4"	D02	HM	PT-3	F02	HM	PT-3	-	1/A-611	1/A-011	5/A-611	NR	3
108		6	3' - 0"	7' - 0"	1 3/4"	D01	HM	PT-3	F01	HM	PT-3	-	6/A-611	6/A-611	7/A-611	NR	2
109		6	3' - 0"	7' - 0"	1 3/4"	D01	HM	PT-3	F01	НМ	PT-3	-	6/A-611	6/A-611	7/A-611	NR	2
110	BREAK ROOM	1	3' - 0"	7' - 0"	1 3/4"	D01	НМ	PT-3	F02	НМ	PT-3	-	1/A-611	1/A-611	5/A-611	NR	
111	MECHANICAL YARD	7	6' - 0"	6' - 0"	1"	D03	STL		-	STL		-				NR	1
		2 <sup>1</sup>	2" + T	× W					W	3		0"	Ŧ				

D01

# FRAME TYPE

F01

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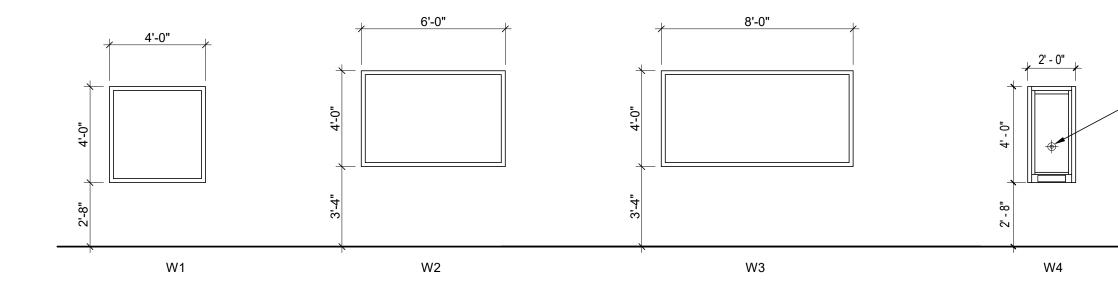
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# DOOR TYPE

D02

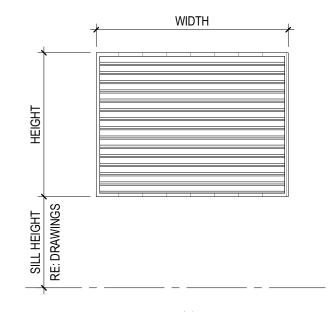
WINDOW SCHEDULE											
	FRAME					DETAIL					
TYPE	RO	RO	SILL						FIRE	GLAZING	
MARK	WIDTH	HEIGHT	HEIGHT	MATL	COLOR	HEAD	JAMB(S)	SILL	RATING	TYPE	REMARKS
W1	4' - 0"	4' - 0"	2' - 8"	ALUM	PT-3	4/A-611	2/A-611	3/A-611	NR	GL1	1
W2	6' - 0"	4' - 0"	3' - 4"	ALUM	PT-3	4/A-611	2/A-611	3/A-611	NR	GL1	1
W3	8' - 0"	4' - 0"	3' - 4"	ALUM	PT-3	4/A-611	2/A-611	3/A-611	NR	GL1	1
W4	2' - 0"	4' - 0"	2' - 6"	ALUM	PT-3	4/A-541	4/A-541	4/A-541	NR	GL2	1
W5	1' - 8"	1' - 4"			PT-3	9/A-611	9/A-611	10/A-611			4

F02



# WINDOW TYPE

LOUVER SCHEDULE										
			F	RAME						
NUMBER	TYPE	R.O. WIDTH	R.O. HEIGHT	MATL	COLOR	HEAD	JAMB(S)	SILL	REMARKS	
L101	L1	1' - 4"	1' - 0"	ALUM	PT-3	9/A-611	9/A-611	10/A-611	4	
L102	L1	1' - 4"	1' - 0"	ALUM	PT-3	9/A-611	9/A-611	10/A-611	4	
L103	L1	1' - 4"	1' - 0"	ALUM	PT-3	9/A-611	9/A-611	10/A-611	4	



### L1 LOUVER TYPF

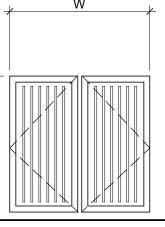
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CITY OF CALEXICO ommunity Development Department ENGINEERING DIVISION 608 Heber Avenue Calexico, CA 92231 #el:760.768.2100 Fax:760.768.0854 engineering@calexico.ca.gov www.calexico.ca.gov

APPROVED BY	:

ENGINEER



D03

- NO DRAFT SPEAK-THRU DEVICE

HARDWARE SETS	_

TA2314 (NRP)

PER SILL DETAIL

346C (OMIT @ OVERHANG)

DG1 6300

7500

441H

2891AS

290AS

18062CNB

TA2314 (NRP)

DG1 6300

7500

441H

2891AS

290AS

18062CNB

TA2314 (NRP)

64 10XG05 LL

DG1 6300

608-RKW

TA2314 (NRP) 64 10XG05 LL

DG1 6300

608-RKW

TA2314 (NRP)

DG1 6300

7500

403

608-RKW

TA2314 (NRP)

10XU65 LL

7500

403

HARDWARE REQUIREMENTS TO BE CONFIRMED WITH THE OWNER BY THE

S88BL

403

7500

403

PER SILL DETAIL

346C (OMIT @ OVERHANG)

DESCRIPTION

1 STOREROOM DEADBOLT LOCK 64 8251 LNL

1 INSTITUTIONAL PRIVACY LOCK V21 64 8267 LNL

3 HINGE, FULL MORTISE

1 PERMANENT CORE

1 SURFACE CLOSER

1 GASKETING (HEAD)

1 GASKETING (JAMBS)

3 HINGE, FULL MORTISE

1 PERMANENT CORE

1 SURFACE CLOSER

1 MOP PLATE

1 KICK PLATE

1 DOOR STOP

1 THRESHOLD

1 RAIN GUARD 1 SWEEP

1 GASKETING (HEAD)

1 GASKETING (JAMBS)

3 HINGE, FULL MORTISE

1 ENTRY/OFFICE LOCK

 3
 HINGE, FULL MORTISE

 1
 ENTRY/OFFICE LOCK

3 HINGE, FULL MORTISE

1 PERMANENT CORE

3 HINGE, FULL MORTISE

HARDWARE BY GATE

SUPPLIER

DATE

1 PRIVACY LOCK

1 MOP PLATE

1 KICK PLATE 1 WALL STOP

1 GASKETING

GENERAL CONTRACTOR.

1 SURFACE CLOSER

1 SURFACE CLOSER

 1
 KICK PLATE

 1
 WALL STOP

 3
 SILENCER

2 CLASSROOM SECURITY LOCK 64 10XG38 LL

1 PERMANENT CORE

1 PERMANENT CORE

1 SURFACE CLOSER

1 WALL STOP

3 SILENCER

1 WALL STOP

3 SILENCER

1 KICK PLATE

1 DOOR STOP

1 THRESHOLD

1 RAIN GUARD

1 SWEEP

CATALOG NUMBER FINISH MFR

K1050 10" HIGH CSK BEV US32D RO

K1050 6" HIGH CSK BEV US32D RO

K1050 10" HIGH CSK BEV US32D RO

US32D MK

US32D SA

SA

NO

RC

PE

PE PE

PE

PE

SA NO

PE

PE

PE PE PE

SA

NO

RO

RO

SA

RO

RO

SA NO

RO

RO

NO

PE

US32D MK

US32D SA

US26D RO

US26D MK US26D SA

US26D MK

US26D SA

US26D MK

US26D SA

US15

US26D

US15

US15 689

US26D

US26D MK

US26D SA

US26D RO

689

K1050 10" HIGH CSK BEV US32D RO

K1050 6" HIGH CSK BEV US32D RO

K1050 10" HIGH CSK BEV US32D RO

US26D

689

US15

689

US15

US26D

689

HW SET QTY

# **GLAZING TYPES**

- GL1 1" INSULATED CLEAR GLAZING U-FACTOR 0.36 BTU/HR-FT2-F AND SHGC = GL2 BULLET RESISTANT WINDOW PER MFG

# WINDOW REMAR

1. PROVIDE 1" MINI BLIND ON WINDOWS, SEE SPECS

# DOOR/LOUVER R

1. PAINT TO MATCH WITH LANDSCAPE 42" HIGH PICK 2. PROVIDE 3/4" DOOR UNDERCUT 3. LOUVER COLOR TO MATCH WITH DOOR, MINIMUM

4. REFER TO MECHANICAL DRAWINGS AND SPECIFIC

# ABBREVIATIONS

- NA ALUM FF GL GALV HM STL SC WD PT PLAM	NONE NOT APPLICABLE NOT RATED CLEAR ANODIZED ALUMINUM FACTORY FINISH GLAZING HOLLOW METAL, GALVANIZED HOLLOW METAL STEEL SOLID CORE WOOD DOOR PAINT, REFER TO FINISH LEGEND A-600 PLASTIC LAMINATE, REFER TO FINISH L

ENGINEER

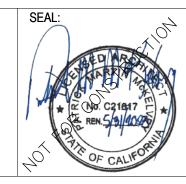
SEAL

DATE



ENGINEER OF WORK:





DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED

		GENERAL SCHEDULE NOTES
	А	ALL EXTERIOR GLAZING TO BE GL-1 U.N.O.
	В	ALL GLAZING WITHIN 18" OF FLOOR AND EITHER SIDE OF DOOR OR OPERABLE WINDOW
=0.25		SHALL BE SAFETY GLAZING
	С	REFER TO A-611 FOR DOOR, AND WINDOW DETAILS
	E	"W" SEE SCHEDULE FOR WIDTH
	F	"H" SEE SCHEDULE FOR HEIGHT
	G	"S" SEE SCHEDULE FOR SILL HEIGHT, ALL SILL HEIGHTS ARE TAKEN FROM FINISH FLOOR LEVEL U.N.O.
	Н	OPERABLE PARTS OF ACCESSIBLE DOOR HARDWARE HEIGHT SHALL BE LOCATED 34"-44" ABOVE FINISH FLOOR
RKS	J	REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL LOUVER INFORMATION.
		MECHANICAL DRAWINGS INDICATED MINIMUM LOUVER SIZE REQUIRED. CONTRACTOR TO COORDINATE MECHANICAL REQUIREMENTS AND ARCH LOUVER SCHEDULE AND PROVIDE
		WHICHEVER SIZE IS GREATER.
6	ĸ	ALL EXTERIOR DOORS TO HAVE WEATHER-STRIPPING ALL AROUND OPENING
	L	THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL NOT BE GREATER THAN 5 POUNDS FOR BOTH INTERIOR AND EXTERIOR DOORS.
	М	DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN
		POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
REMARKS	N	ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED PER
		SPECIFICATIONS, U.N.O.
KET FENCE	0	OPERABLE WINDOWS TO MEET CBC AND ACCESSIBILITY PUSH/PULL WEIGHT REQUIREMENTS. WINDOW OPERATION CANNOT EXCEED 5LBS.
	<u> </u>	
/ 0.17 SQFT NFA CATIONS		

HLEGEND A-600

PROJECT DESCRIPTION:

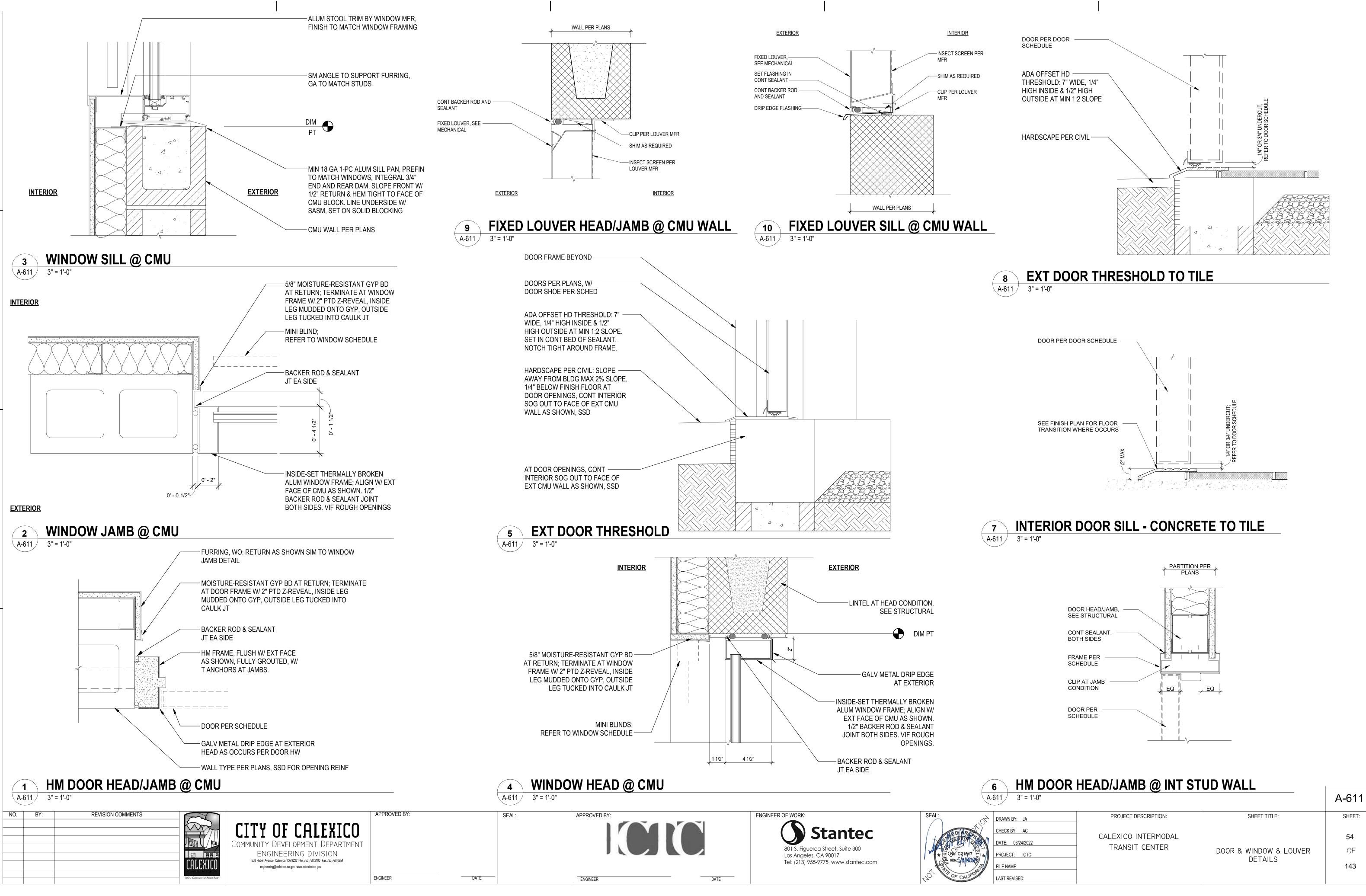
CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

DOOR & WINDOW & LOUVER SCHEDULES, LEGEND AND GENERAL NOTES

A-610 SHEET: 53

> OF 143



JA	
AC	
4/2022	
ICTC	

SHEET:

54

OF



PUBLIC LAVATORY MFR: ACORN 1652LRB WALL MOUNTED

STAFF LAVATORY

MFR: KOHLER

1" MINI BLIND

MFR: TBD

\_\_\_\_

COLOR: WHITE

SIZE: VARIES

K-2005-0

WALL MOUNTED



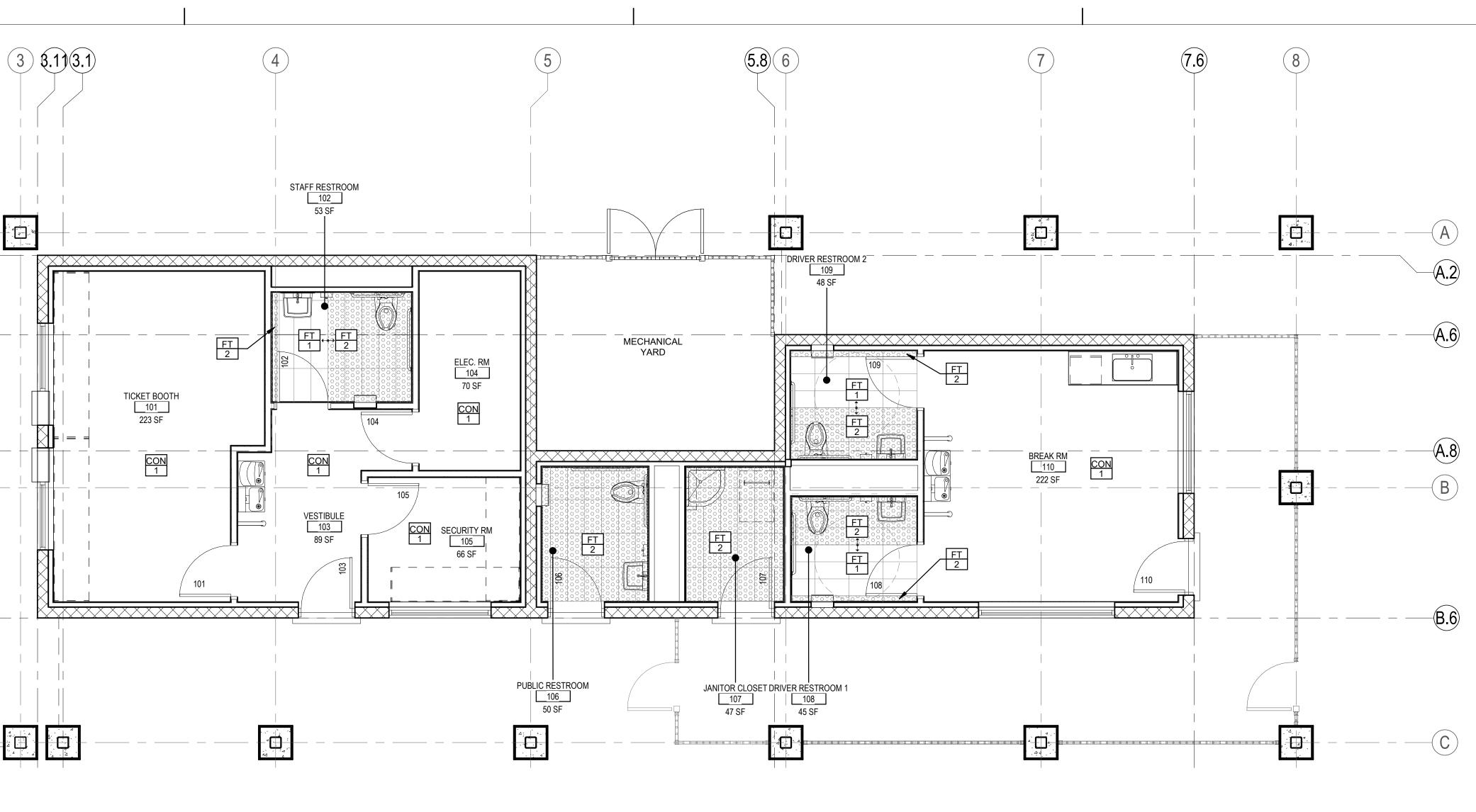
STAINLESS STEEL PUBLIC RESTROOM WATER CLOSET MFR: ACORN 1696-W-1 WALL MOUNTED

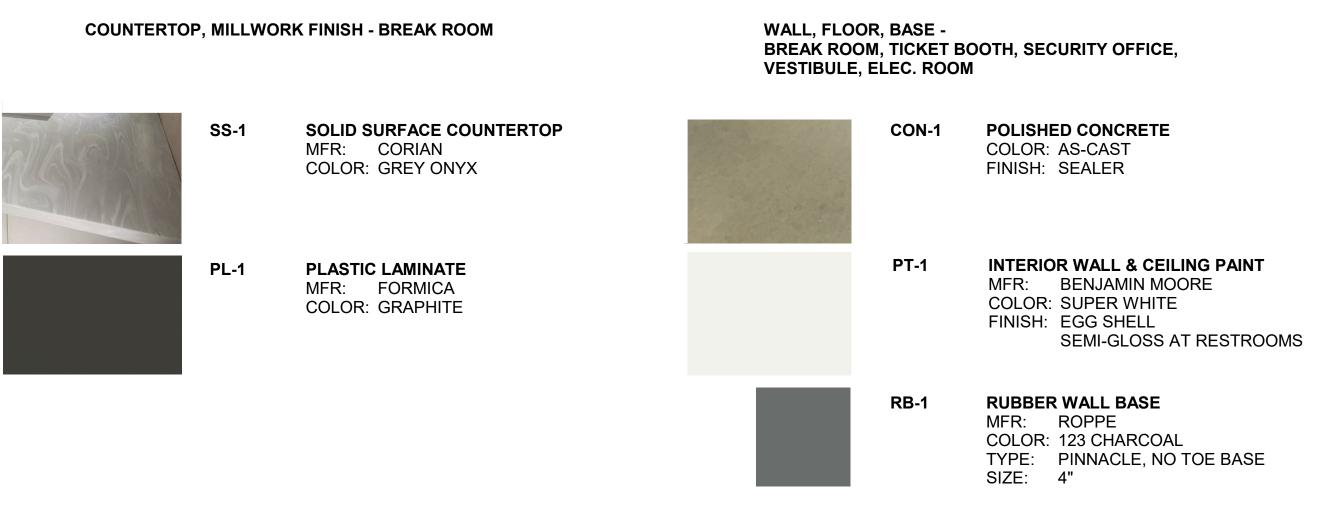


TRASH RECEPTACLES MFR: BOBRICK B-3979 SURFACE MOUNTED



STAFF RESTROOMS MFR: AMERICAN STANDARD 3351.528 WALL MOUNTED







TICKET WINDOW MFR: CREATIVE INDUSTRIES COLOR: DARK BRONZE ANODIZED ALUMINUM FINISH SIZE: 24"X48"

NO.	BY:	REVISION COMMENTS



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HI-LO DRINKING FOUNTAIN W/ BOTTLE FILLER

MFR: ELKAY

APPROVED BY:

ENGINEER



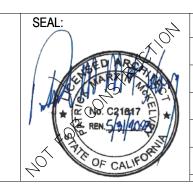
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APPROVED BY: DATE ENGINEER

ENGINEER OF WORK:

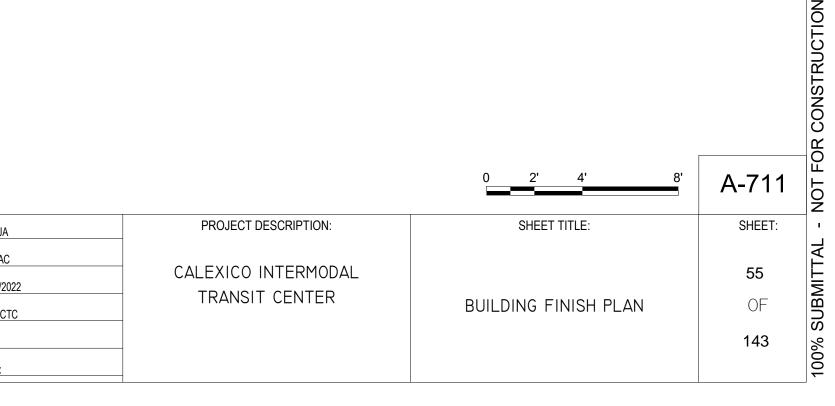


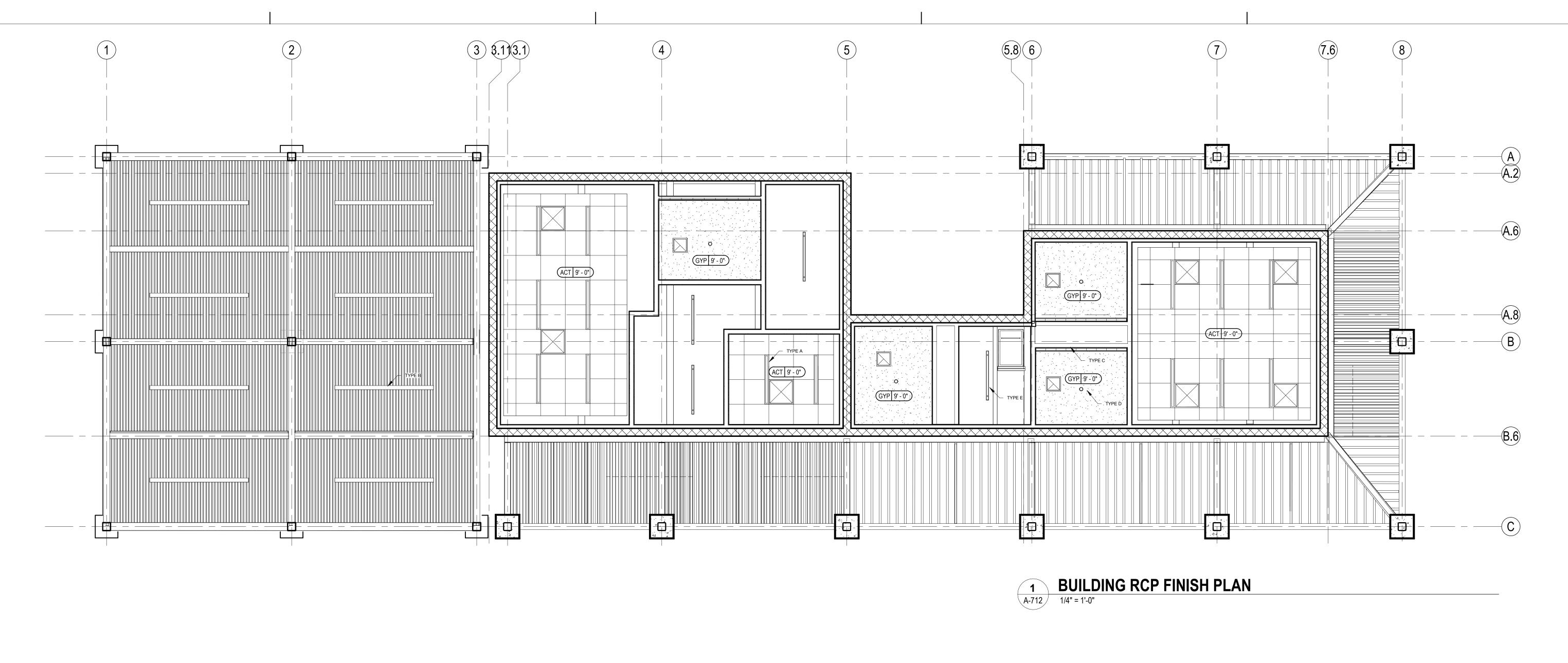


DRAWN BY: JA CHECK BY: AC DATE: 03/24/2022 PROJECT: ICTC FILE NAME: LAST REVISED:

### WALL, FLOOR TILE, AND BASE - RESTROOM







ACOUSTIC CEILING TILE -TICKET BOOTH, SECURITY OFFICE, BREAK ROOM



\_\_\_\_

ACOUSTICAL CEILING TILE MFR: ARMSTRONG TYPE: ULTIMA COLOR: WHITE SIZE: 2' X 2' X 1" EDGE: SQUARE TEGULAR 9/16

### **GYPSUM BOARD CEILING - RESTROOMS**

GB-1 GYPSUM BOARD CEILING FINISH: PT-1

LIGHTING FIXTURE - TICKET BOOTH, SECURITY OFFICE, BREAK ROOM



LED RECESSED DIRECT - TYPE A MFR: NEO-RAY

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APPROVED BY:	

ENGINEER

LIGHTING FIXTURE - TICKETING CANOPY

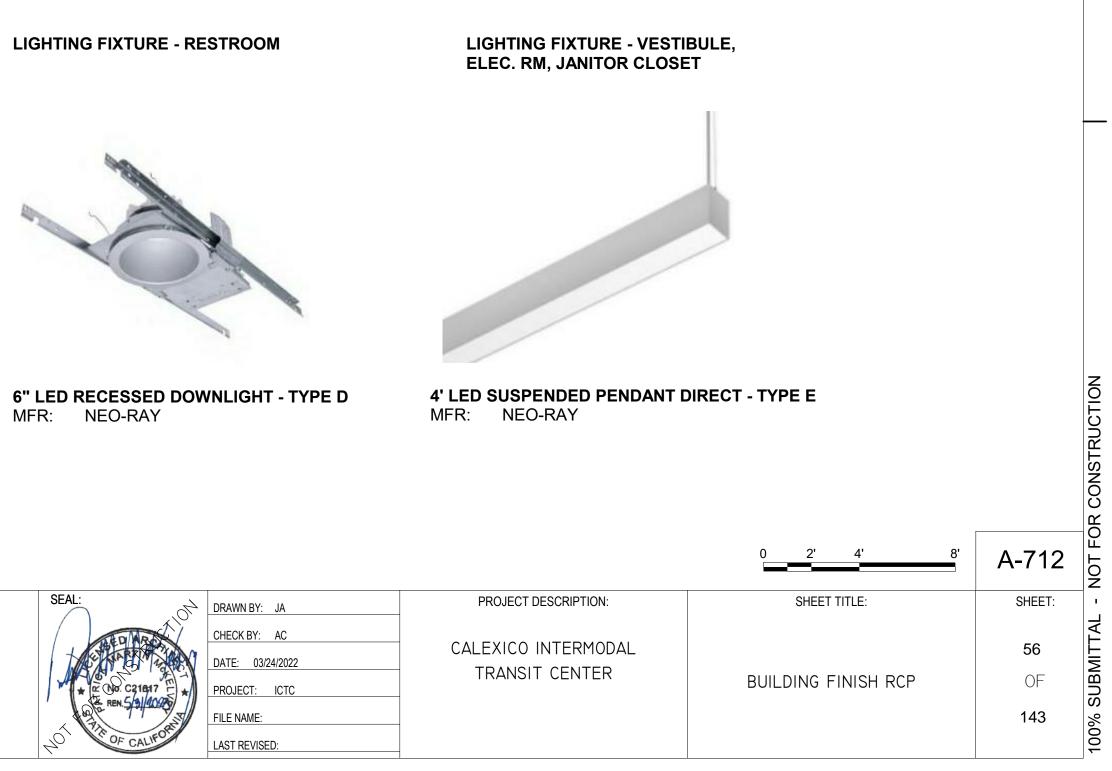


LENSED LED STRIP TOUND AND SQUARE LENS - TYPE B MFR: NEO-RAY

LIGHTING FIXTURE - RESTROOM



**LED RECESSED PERIMETER DIRECT - TYPE C** MFR: NEO-RAY



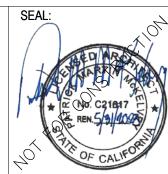
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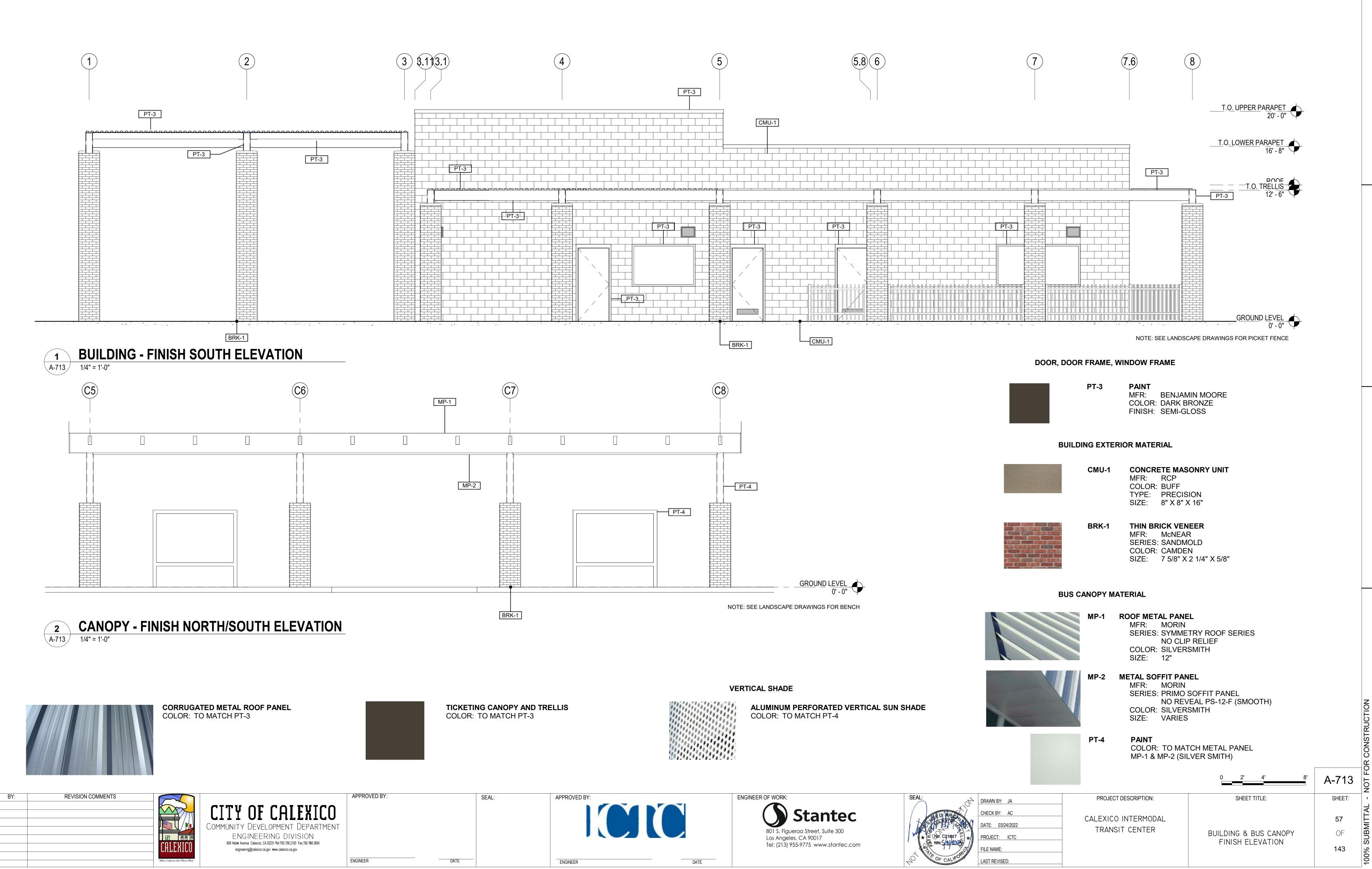
DATE



ENGINEER OF WORK:







\_\_\_\_\_

NO.

-1	THIN BRICK VENEER
	MFR: McNEAR
	SERIES: SANDMOLD
	COLOR: CAMDEN
	SIZE: 7 5/8" X 2 1/4" X 5/8"

CONSTRUCTION OR A SUBN 8 100

### **GENERAL SPECIFICATIONS**

- All local, municipal and state laws, rules and regulations governing or relating to any portion of this work are heareby incorporated into and made a part of these specifications and their provisions shall be carried out by Contractor.
- 2. Contractor shall have a valid contractors license required for the particular work being done. Contractor shall not allow the license(s) to lapse during the contract period.
- Contractor shall verify the location of all existing utilities, structures, and services before commencing work. The locations of utilities, structures and services shown in these plans are approximate only. Any discrepancies between these plans and actual field conditions shall be reported to the City or Landscape Architect.
- Contractor shall protect all existing utilities and features to remain on, and adjacent to, the project site during construction. Contractor shall repair, at his own expense, all damage resulting from his operations or negligence.
- 5. Contractor shall obtain the pertinent engineering and/or architectural plans before beginning work.
- 6. Contractor shall obtain all necessary permits required to perform the work indicated herein before beginning work.
- Contractor shall arrange for payment of any permit fees and related expenses with the Owner's authorized representative.
- 8. Concrete Contractor shall obtain structural soils report prior to beginning work. Earthwork specifications shall take precedence over these specifications.
- 9. Contractor must check all dimensions, framing conditions and site conditions before starting work. Any discrepancies or possible deficiencies between the plans and specifications with field conditions shall be brought to the immediate attention of the City or Landscape Architect.
- 10. Contractor shall not willfully install any elements as shown on the plans when it is obvious in the field that unknown conditions exist that were not evident at the time these plans were prepared. Any such conditions shall be brought to the attention of the City's representatives prior to performing any work or Contractor shall assume all responsibility for any field changes deemed necessary by City.
- 11. All property lines shall be verified prior to commencing work, no construction item, including footings, shall extend past the property line.
- 12. Contractor shall be responsible for any coordination with subcontractors as required to accomplish all construction operations. All piping, conduit, sleeves, etc., shall be set in place prior to installation of construction items.
- 13. Contractor shall be responsible for replacing any existing materials that are damaged during construction.
- 14. The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, barricades, etc. are the sole responsibility of Contractor.
- 15. Observation visits to the job site by the Landscape Architect do not include observation of or responsibility for construction methods and safety conditions at the worksite. These visits shall not be construed as continuous and detailed observations.
- 16. All forms and alignment of paving shall be reviewed and approved by the Landscape Architect or City prior to pouring (a minimum of 48 hours notice is required).
- 17. All proposed surfaces shall meet existing surfaces with smooth and continuous transition and shall be flush along entire edge.
- 18. All dimensions are from outside face of paving, wall, curb, pool shell, etc. unless otherwise noted on plan. All angles are 90 or 45 degrees unless otherwise noted.
- Contractor shall maintain a qualified, English-speaking supervisor on site at all times during installation. Supervisor shall keep and have available a current copy of the landscape and irrigation construction plans on which "As Built" notes shall be recorded
- 20. Contractor shall assume sole and complete responsibility for the job site conditions during construction of this project, including the safety of all persons and property. This requirement shall apply continuously and not be limited to normal working hours. Contractor shall protect all construction and landscaping from damage and, when required, provide guards or covering. Any damage shall be repaired or replaced at the Contractor's expense.
- 21. Contractor shall defend, indemnify and hold City and Landscape Architect harmless from any liability, real or alleged, in connection with the performance of the work on this project, including any claims arising out of his operations or the operations of any of his subcontractors, material suppliers, or agents excepting for liability arising from the sole negligence of the City or Landscape Architect.



**UNAUTHORIZED CHANGES & USES** 

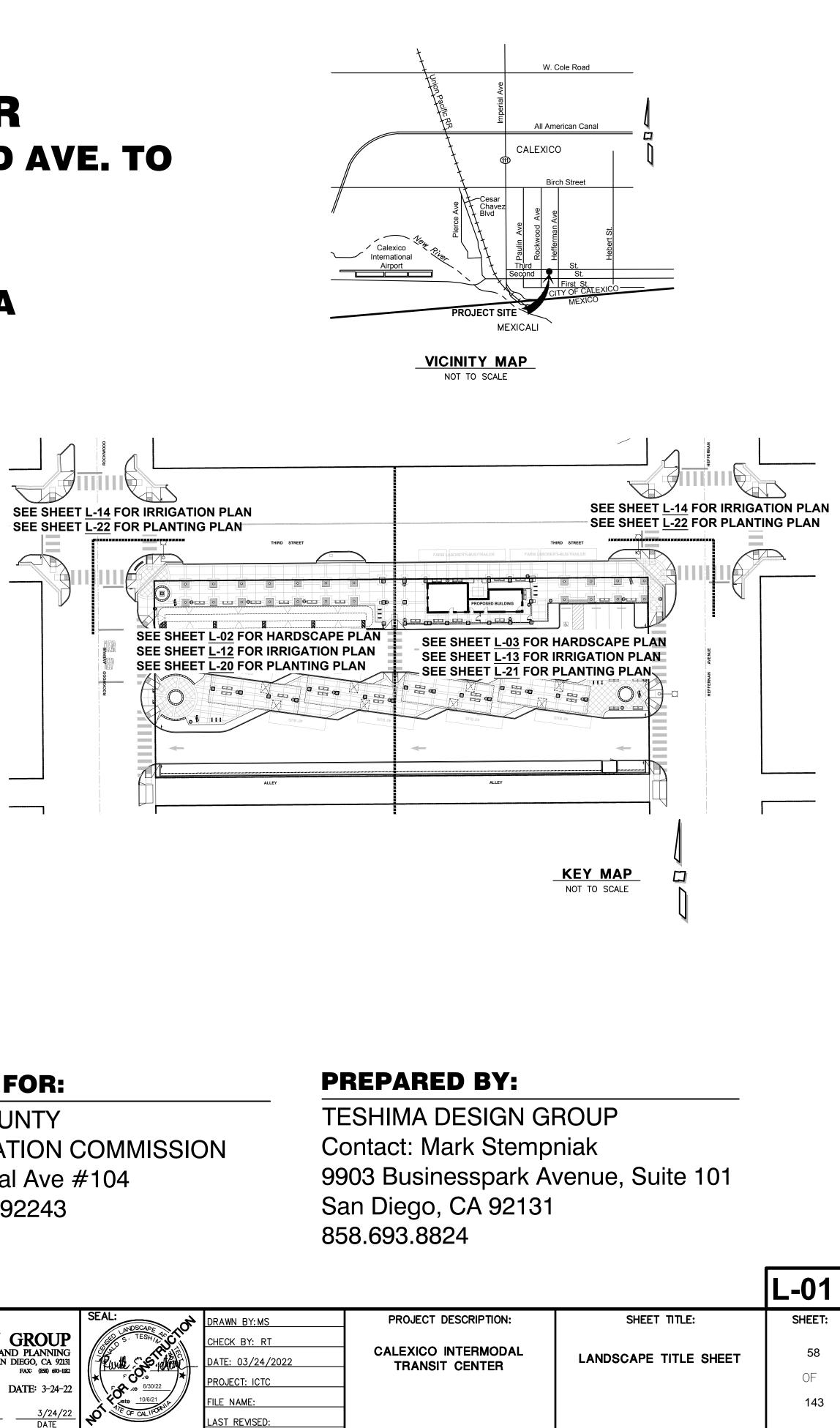
### MAINTENANCE

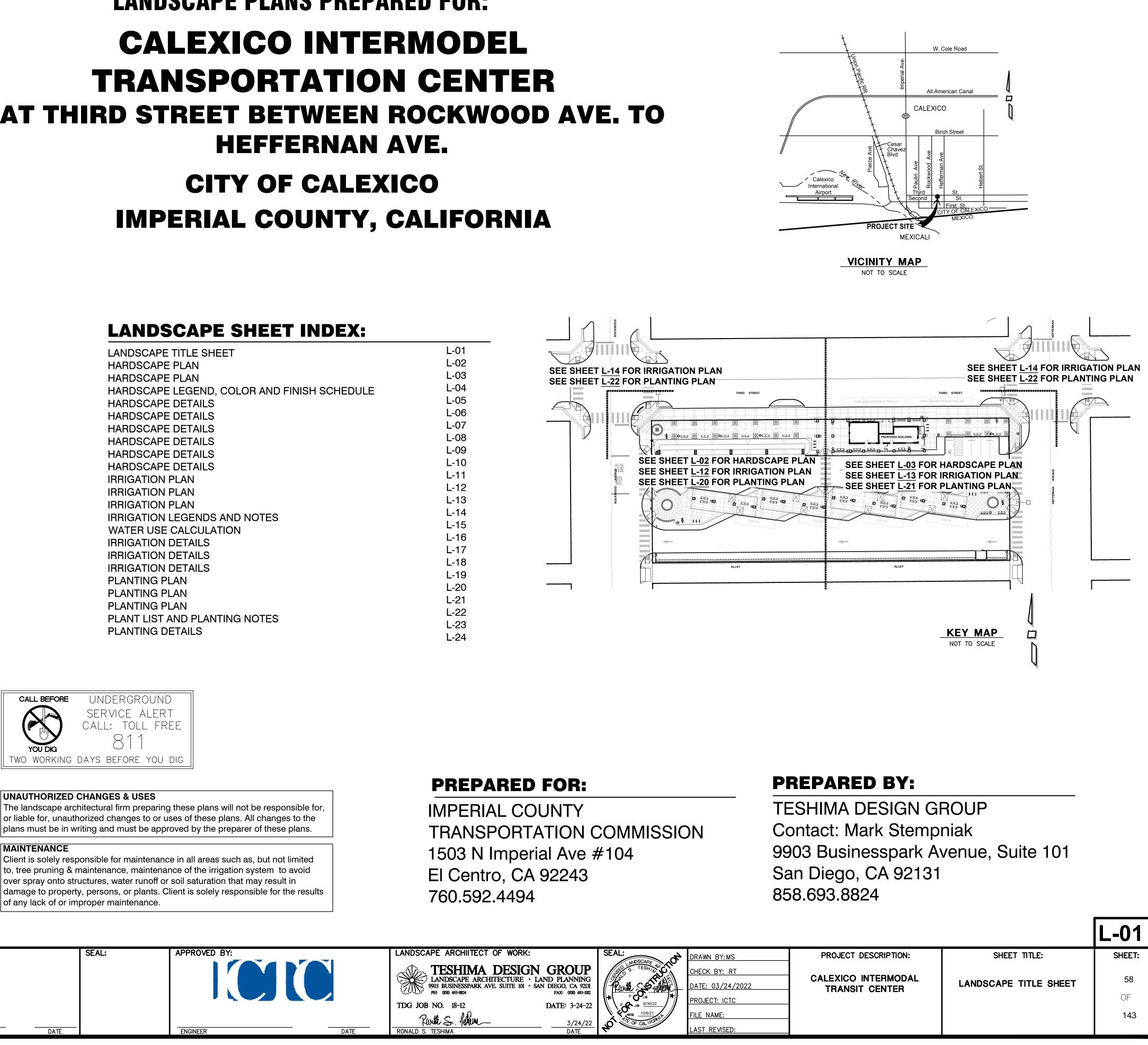
Client is solely responsible for maintenance in all areas such as, but not limited to, tree pruning & maintenance, maintenance of the irrigation system to avoid over spray onto structures, water runoff or soil saturation that may result in damage to property, persons, or plants. Client is solely responsible for the results of any lack of or improper maintenance.

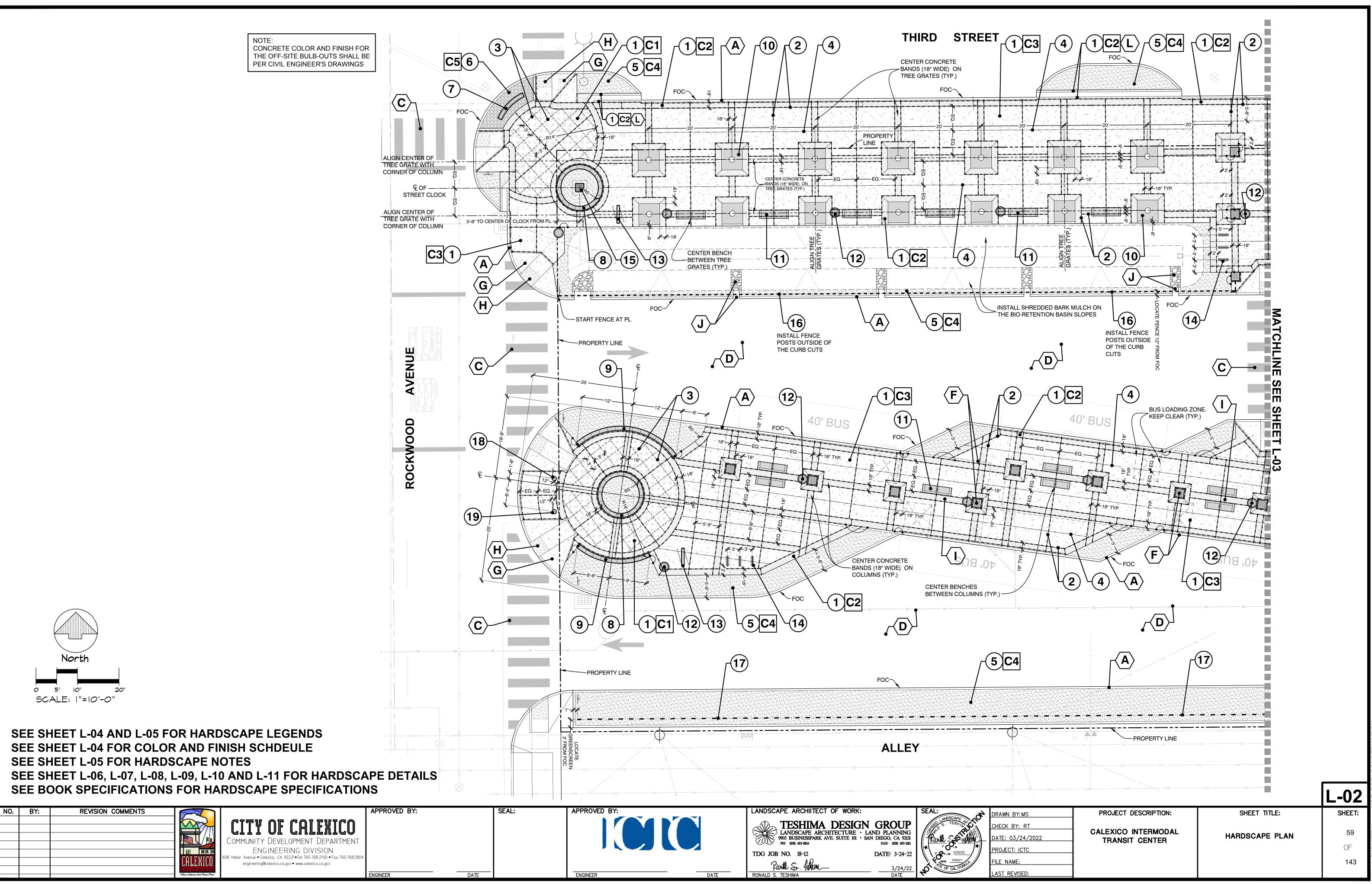
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				<b>CITY OF CALEXICO</b>		
				COMMUNITY DEVELOPMENT DEPARTMENT		
				ENGINEERING DIVISION		
			CALEXICO	608 Heber Avenue ● Calexico, CA 92231●Tel: 760.768.2100 ● Fax: 760.768.0854 engineering@calexico.ca.gov ● www.calexico.ca.gov		
			"Where California Gend Mexico Maet"		ENGINEER DATE	—

# LANDSCAPE PLANS PREPARED FOR: CALEXICO INTERMODEL **HEFFERNAN AVE.**

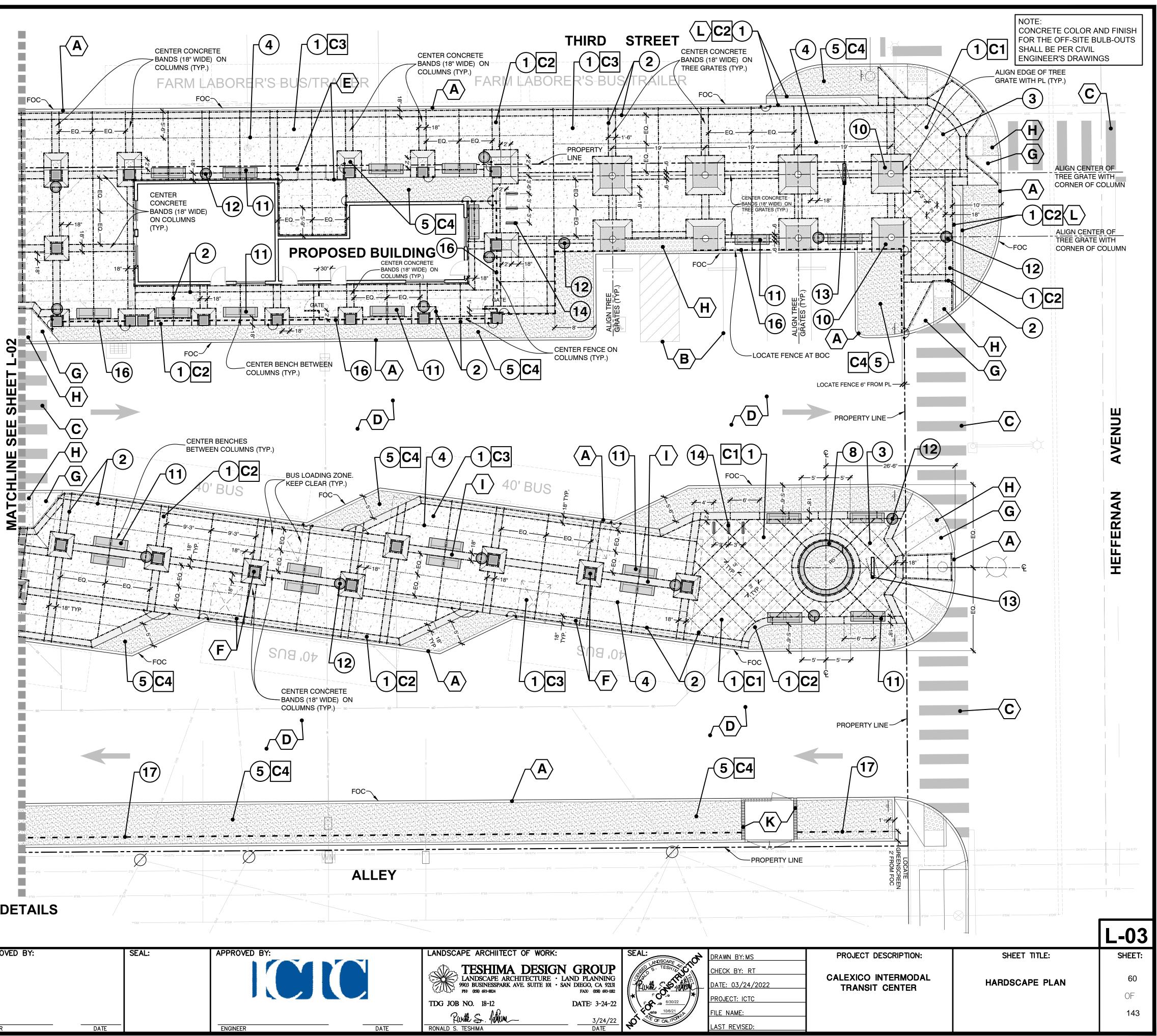
LANDSCAPE TITLE SHEET
HARDSCAPE PLAN
HARDSCAPE PLAN
HARDSCAPE LEGEND, COLOR AND FINISH SCHEDULE
HARDSCAPE DETAILS
IRRIGATION PLAN
IRRIGATION PLAN
IRRIGATION PLAN
IRRIGATION LEGENDS AND NOTES
WATER USE CALCULATION
IRRIGATION DETAILS
IRRIGATION DETAILS
IRRIGATION DETAILS
PLANTING PLAN
PLANTING PLAN
PLANTING PLAN
PLANT LIST AND PLANTING NOTES
PLANTING DETAILS

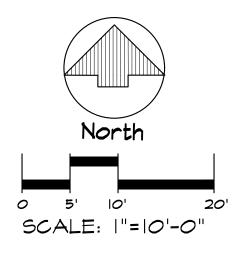






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**SEE SHEET L-04 AND L-05 FOR HARDSCAPE LEGENDS SEE SHEET L-04 FOR COLOR AND FINISH SCHDEULE SEE SHEET L-05 FOR HARDSCAPE NOTES** SEE SHEET L-06, L-07, L-08, L-09, L-10 AND L-11 FOR HARDSCAPE DETAILS SEE BOOK SPECIFICATIONS FOR HARDSCAPE SPECIFICATIONS

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# HARDSCAPE LEGEND

SYMBOL	KEY	DESCRIPTION	DETAIL/SHEET REFERENCE
		Install Pedestrian Concrete Paving	Detail H15, on Sheet L-11
<u> </u>	2	Install Expansion Joint	Detail H14, on Sheet L-11
	3	Install Sawcut Contraction Joint	Detail H14, on Sheet L-11
	4	Install Tooled Contraction Joint	Detail H14, on Sheet L-11
	5	Install Decomposed Granite	Detail H3, on Sheet L-06.
	6	Install Crushed Rock	Detail H3, on Sheet L-06.
	7	Install Signage Monument (1 Total). Signage Monument shall be pre-cast concrete, Model Q-9A-S with Harvest Color, Craftsman's Etch finish and anti-graffiti Permashield 5400 sealer, as available from: QCP 731 Parkridge Avenue Norco, CA 92860 Contact: Scott Ulrich Phone: 866-703-3434 Signage Monument shall be installed with City of Calexico logo. City of Calexico logo shall be provided by the city prior to ordering. Letter height and style shall be coordinated with City of Calexico and signage consultant prior to ordering. Install per manufacturer instruction.	Detail H7, on Sheet L-08.
	8	<ul> <li>Install Raised Planter with Seatwalls (3 Total).</li> <li>Seatwall shall be split-face block (8x8x8) construction with pre-cast concrete cap. Split-face block shall be La Paz color as manufactured by RCP Block &amp; Brick, Inc.</li> <li>Phone: 800-794-4727.</li> <li>Pre-cast concrete cap shall be Product Number:</li> <li>Q-WC-ANACAPA-12 with custom 5' radius as manufactured by QCP. Contact Scott Ulrich at 866-703-3434. Cap shall be Harvest color with Craftsman's Etch finish with anti-graffiti Permashield 5400 sealer. All caps shall have skate indentations.</li> <li>1. For all custom radius caps allow enough lead time to meet the construction schedule.</li> <li>2. Provide adequate drainage in all raised planters. Connect to site drainage system per Civil Engineer's plan.</li> </ul>	Detail H4, on Sheet L-07.
	9	Install Seatwall (2 Total). Seatwall shall be split-face block (8x8x16) construction with pre-cast concrete cap. Split-face block shall be La Paz color as manufactured by RCP Block & Brick, Inc. Phone: 800-794-4727. Pre-cast concrete cap shall be Product Number: Q-WC-ANACAPA-12 with custom 16' radius as manufactured by QCP. Contact Scott Ulrich at 866-703-3434. Cap shall be Harvest color with Craftsman's Etch finish and anti-graffiti Permashield 5400 sealer. All caps shall have skate indentations.	Detail H5, on Sheet L-07.
		to meet the construction schedule.	
0	10	Install Tree Grate (22 Total). Tree grates shall be (5'x5'), Model # SP STYLE 60" TREE GRATE 1.5 THICK 1/4 INCH GAP with 24" opening. Tree Grate color shall be black powder coat. Install with CI STYLE 60" Tree Grate Frame. Tree grates and frame as available from: South Bay Foundry 9444 Abraham Way Santee, CA 92071 Contact: Amanda Anderson Phone: 619-212-0273 or 619-956-2780	Detail H6, on Sheet L-07.

(11)	Install Conc pre-cast conc Modified with Craftsman's I 5400 sealer, QCP 731 Parkridg Norco, CA 92 Contact: Sco Phone: 866-7
(12)	Install Trash shall be pre-o QR-CAL2436 Harvest Colo Permashield QCP 731 Parkridg Norco, CA 92 Contact: Sco Phone: 866-7
(13)	Install Inform back-to-back side-hinged of glass, radius city) at the to powder coat shoes, zinc a as approved Transit. Available from Tolar Manufa 258 Mariah O Corona, CA S Contact: Path Phone: (800) Bolt down to specifications
14	Install Bike I Model Q-CIR Etch finish, a QCP 731 Parkridg Norco, CA 92 Contact: Sco Phone: 866-7 Bolt down to
(15)	Install Stree shall be 4-fac Thomas. Col Dial. Clock sl Available from The Verdin C 444 Reading Cincinnati, O Contact: Katl Phone: 512-2 Installation an specifications
 (16)	Install 42" H Single Gates powder coat.
(17)	Install Green with free star Panels shall I #5133X Snar coated with N Steel Edging Greenscreen Available from Greenscreen 725 Figueroa Los Angeles, Contact: Lori Phone: 310-8 Installation an specification

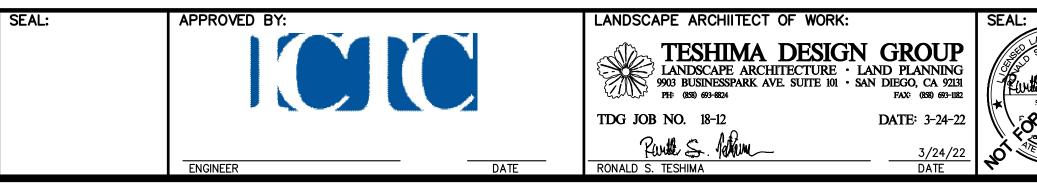
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				CITY OF CALEXICO		
				Community Development Department		
				ENGINEERING DIVISION		
				608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854		
_			<b>LULLUICO</b>	engineering@calexico.ca.gov ● www.calexico.ca.gov		
			"Where California Gout Warrice Maet"		ENGINEER DATE	·

Acrete Bench (36 Total). Bench shall be oncrete Victoria Bench, Model Q1-VIC84B ith BNAR-VIC armrest, Harvest Color, s Etch finish and anti-graffiti Permashield r, as available from: dge Avenue 92860 cott Ulrich 5-703-3434	Detail H12, on Sheet L-10.
sh Receptacle (25 Total). Trash Receptacle e-cast concrete, Model 36W-HOVER19 with lid hover, plastic liner, olor, Craftsman's Etch finish and anti-graffiti Id 5400 sealer, as available from: dge Avenue 92860 cott Ulrich 5-703-3434	Detail H8, on Sheet L-08.
ermational Kiosk (4 Total). Sierra Flat ck information display kiosk with two d doors containing 3/16" clear tempered us tube with logo disc (logo provided by top of the kiosk, super durable baked at finish color, adjustable leveling mounting c anchors, Model 18226-00. Color shall be ed by City of Calexico and Imperial Valley form: ufacturing Company Inc. a Circle A 92879 atrick Merrick 0) 339-6165 to concrete slab. Install per manufacturer's ons.	Detail H13, on Sheet L-10.
<b>P Rack (12 Total)</b> . Bike Rack shall be, IRQ-BR with Harvest Color and Craftsman's as available from: dge Avenue 92860 cott Ulrich 5-703-3434 to concrete slab. Install per manufacturer's ons	Detail H11, on Sheet L-10.
et Post Clock (1 Total). Street Post Clock face, Model 4MST Howard Replica/Seth folor shall be black with "Victorian" Numerals shall have "City of Calexico" top header. form: Company ng Road Ohio 45202 athy Svatek 2-247-2907 or 800-543-0488 and footing per manufacturer's ons	Detail H1, on Sheet L-06.
High Wrought Iron Fence with Gates (2) tes. Fence and gates color shall be black at.	Detail H10, on Sheet L-09.
enscreen. Greenscreen shall be installed anding square posts spaced at 100" O.C. II be 4'X8' attached to the posts with hap Clips. Greenscreen shall be powder in Matte Texture Green color. Install #5105 ing Trim at the top and bottom of the en. rom: en oa Street, Suite 1825 es, CA 90017 ori Lumsden 0-837-0526 or 800-450-3494 and footing per manufacturer's ons	Detail H2, on Sheet L-06.

18	Install Flag Pole (1 Total). Flag poles shall be Sentry 2 - 30x6x.156, 30' High with satin finish as manufactured by: Concord Industries, Inc. 4150-A Kellway Circle Addison, Texas 75881 <u>Available from:</u> Pacific Flag Pole Service Contact: Nick De Graaf Phone: 858-692-2555 Installation and footing shall be per manufacturer's recommendation and structural engineer	Deta
(19)	Install Flag Pole (1 Total). Flag poles shall be Sentry 2 - 40x8x.188, 40' High with satin finish as manufactured by: Concord Industries, Inc. 4150-A Kellway Circle Addison, Texas 75881 <u>Available from:</u> Pacific Flag Pole Service Contact: Nick De Graaf Phone: 858-692-2555 Installation and footing shall be per manufacturer's recommendation and structural engineer	Deta

COLOR AND FINISH SCHEDULE						
SYMBOL	KEY	DESCRIPTION	MANUFACTURER	COLOR	FINISH	COMMENTS
N       N	C1	Pedestrian Concrete Paving	Davis Color	Southern Blush 10134	Medium Broom. See comments.	Install with 36" x 36" diagonal saw cuts. Expansion joints, sawcut contraction joints and tooled contraction joints per plan.
	C2	Pedestrian Concrete Paving	Davis Color	Outback 6771	Smooth Troweled Bands	Expansion joints, sawcut contraction joints and tooled contraction joints per plan.
	СЗ	Pedestrian Concrete Paving	Davis Color	Mesa Buff 5447	Medium Broom.	Expansion joints, sawcut contraction joints and tooled contraction joints per plan.
	C4	Decomposed Granite, 3" Deep	KRC Rock Landscape and Building Material, Phone (800) 572-7625	Desert Gold	N/A	Install with water permeable weed barrier fabric. Weed barrier fabric shall be DeWitt Weed Barrier Pro in brown color as available from Villa Landscape Products, Phone (800) 654-4067.
	C5	Crushed Rock - 3/4" size, 3" Deep	KRC Rock Landscape and Building Material, Phone (800) 572-7625	Desert Beige	N/A	Install with water permeable weed barrier fabric. Weed barrier fabric shall be DeWitt Weed Barrier Pro in brown color as available from Villa Landscape Products, Phone (800) 654-4067.

## **SEE SHEET L-05 FOR HARDSCAPE NOTES SEE SHEET L-05 FOR ADDITIONAL LEGENDS** SEE SHEET L-06, L-07, L-08, L-09, L-10 AND L-11 FOR HARDSCAPE DETAILS SEE BOOK SPECIFICATIONS FOR HARDSCAPE SPECIFICATIONS



DRAWN BY: CHECK BY: 

DATE: 03/24 PROJECT: IC FILE NAME: LAST REVISED:

tail H9, on Sheet L-09.
tail H9, on Sheet L-09.

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PROJECT	DESCRIPTION:	

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

HARDSCAPE LEGEND, COLOR AND FINISH SCHEDULE

	NOT FOR CONSTRUC
L-04	NOT FC
SHEET:	•
61	00% SUBMITTAL
OF	SUBM
143	\$ %00

### HARDSCAPE NOTES

- A. VISIT THE SITE PRIOR TO SUBMITTING BIDS.
- B. SUBMIT A UNIT COST FOR IMPORT SOIL IN-PLACE AND BE COMPLETELY AWARE OF THE AMOUNT OF SOIL NECESSARY TO REACH THE SATISFACTORY GROUND LEVEL.
- C. VERIFY ALL PROPERTY LINES OR OTHER LIMIT OF WORK LINES PRIOR TO COMMENCING WORK.
- D. REPAIR OR REPLACE ANY DAMAGE TO ADJACENT PROPERTIES, CURBS, WALKS, PLANTING, WALLS, ETC. AT NO ADDITIONAL COST TO THE OWNER.
- E. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY SHOULD FIELD CONDITIONS VARY FROM THOSE SHOWN ON PLAN.
- F. REPORT DISCREPANCIES IN THE DRAWINGS OR BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT. CORRECTED DRAWINGS OR INSTRUCTIONS SHALL BE ISSUED PRIOR TO THE CONTINUATION OF THIS WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.
- G. LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND PROTECT THEM FROM DAMAGE. NOTIFY THE OWNER IMMEDIATELY IF DAMAGE OCCURS AND ASSUME FULL RESPONSIBILITY FOR EXPENSE OF REPAIR OR REPLACEMENT.
- H. COMPLY WITH ALL PROVISIONS OF THE LATEST BUILDING CODE, CURRENT EDITION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN, AND WITH OTHER CURRENT RULES, REGULATIONS AND ORDINANCES GOVERNING THE PLACE OF THE WORK. BUILDING CODE REQUIREMENTS TAKE PRECEDENCE OVER THE DRAWINGS AND IT SHALL BE THE RESPONSIBILITY OF ANYONE SUPPLYING LABOR OR MATERIALS OR BOTH TO BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES OR CONFLICTS BETWEEN THE REQUIREMENTS OF THE CODE AND THE DRAWINGS.
- I. LOCATIONS OF N.I.C. CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS, HYDRANTS, TRANSFORMERS, ETC., ARE APPROXIMATE. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY SHOULD THE LOCATION OF THESE ITEMS INTERFERE WITH THE PROPER EXECUTION OF WORK.
- J. VERIFY ALL PAVING AND HARDSCAPE CONSTRUCTION DRAWINGS WITH SOIL ENGINEER'S REPORT WITH REGARD TO BASE PREPARATION AND FOOTING REQUIREMENTS. NOTIFY THE OWNER IMMEDIATELY IF SOILS REPORT RECOMMENDATIONS DIFFER FROM DRAWINGS. THE SOILS REPORT RECOMMENDATIONS, IF MORE STRINGENT THAN THE DRAWINGS, SHALL TAKE PRECEDENCE.
- K. BE RESPONSIBLE FOR COORDINATION BETWEEN SUBCONTRACTORS FOR PROPER AND TIMELY PLACEMENT OF SLEEVING, PIPING AND / OR CONDUIT INSTALLATION UNDER OR THROUGH LANDSCAPE ELEMENTS.
- L. DO NOT SCALE DRAWINGS.
- M. PROVIDE A SAMPLE OF EACH HARDSCAPE ELEMENT. ITEMS TO INCLUDE, BUT ARE NOT LIMITED TO PAVING COLOR AND FINISH SCHEDULES. SAMPLES TO BE PLACED IN A LOCATION SPECIFIED BY THE OWNER'S AUTHORIZED REPRESENTATIVE FOR REVIEW AND APPROVAL BY THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REFER TO MOCK-UP REQUIREMENTS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- N. WHERE PAVING AND FINISH GRADE MEET, DEPRESS FINISH GRADE 1-1/2" IN GROUND COVER / SHRUB AREAS, UNLESS OTHERWISE INDICATED.
- O. PROJECT WALKS SHALL NOT EXCEED A SLOPE OF 20:1 (5% GRADIENT) UNLESS OTHERWISE INDICATED.
- P. HANDICAP RAMPS SHALL NOT EXCEED 12:1 OR 8.33%.
- Q. PLANTER AREAS SHALL NOT EXCEED 2:1 SLOPE UNLESS OTHERWISE INDICATED.
- R. HOLD FINISH GRADE A MINIMUM OF 6" BELOW FINISH FLOOR, UNLESS OTHERWISE INDICATED.
- S. CONSTRUCT ALL CURVE TO CURVE AND CURVE TO TANGENT LINES TO BE NEAT, TRIM, SMOOTH AND UNIFORM.
- T. CONSTRUCT ALL CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI @ 28 DAYS, UNLESS OTHERWISE INDICATED.
- U. PROVIDE THE OWNER WITH ALL WARRANTIES, GUARANTEES, AND INSTRUCTION MANUALS FOR EQUIPMENT, APPLIANCES, FIXTURES, ETC. AS DESCRIBED IN THE SPECIFICATIONS.

### **MOCK-UP REQUIREMENTS**

- A. HARDSCAPE PAVING PROVIDE (1) 4' x 4' SQUARE MOCK-UP FOR EACH PAVING TYPE NOTED IN THE COLOR AND FINISH SCHEDULE. EACH MOCK-UP TO INCLUDE THE SPECIFIED COLOR, FINISH, AND AN EXAMPLE OF EACH JOINTING TYPE NOTED IN THE CONSTRUCTION KEYNOTES AND DETAILS.
- B. HARDSCAPE ELEMENTS PROVIDE A PHYSICAL SAMPLE OF SPECIFIED MATERIALS (COLOR, FINISH, AND SEALER) TO THE OWNER AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACING ORDER.
- C. MOCK-UPS TO BE PROTECTED ON-SITE THROUGHOUT THE DURATION OF THE CONSTRUCTION SCHEDULE.
- D. REMOVE MOCK-UPS AT COMPLETION OF CONSTRUCTION WHEN DIRECTED BY THE OWNER OR LANDSCAPE ARCHITECT.
- E. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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			LHLEXILU
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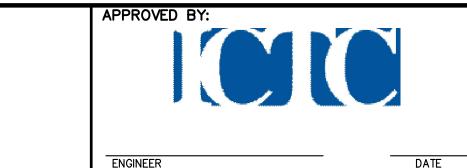
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# **ABBREVIATION AND SYMBOL LEGEND**

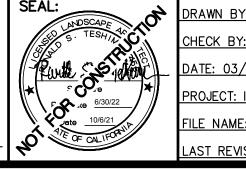
•••	Align
ALT	Alternative
գ—	Center Line
CLR	Clear
CMU	Concrete Masonary Unit
$\bigcirc$	Curb Core
DLT	Detail
DN	Down Steps
EQ.	Equal
EX	Existing
FF	Finished Floor
FG	Finished Grade
FOC	Face of Curb
FOB	Face of Building
FS	Finished Surface
H, W	Height, Width
HP	High Point
MAX.	Maximum
MIN.	Minimum
O.C.	On Center
P/A	Planter Area
PL	Property Line
POB	Point of Beginning
Rx'	Radius
S.W.	Sidewalk
S.Q.	Square
T.C.	Top of Curb
T.F.	Top of Footing
TYP.	Typical
+	Center of Circle

### SEE SHEET L-04 AND L-05 FOR HARDSCAPE LEGENDS **SEE SHEET L-04 FOR COLOR AND FINISH SCHDEULE** SEE SHEET L-06, L-07, L-08, L-09, L-10 AND L-11 FOR HARDSCAPE DETAILS SEE BOOK SPECIFICATIONS FOR HARDSCAPE SPECIFICATIONS



### LANDSCAPE ARCHIITECT OF WORK:

TESHIMA DESIGN GROUP LANDSCAPE ARCHITECTURE · LAND PLANNING 903 BUSINESSPARK AVE. SUITE 101 · SAN DIEGO, CA 92131 PH: (858) 693-8824 FAX: (858) 693-118 TDG JOB NO. 18-12 DATE: 3-24-22 Paule S. Bhim 3/24/2 DATE RONALD S. TESHIMA



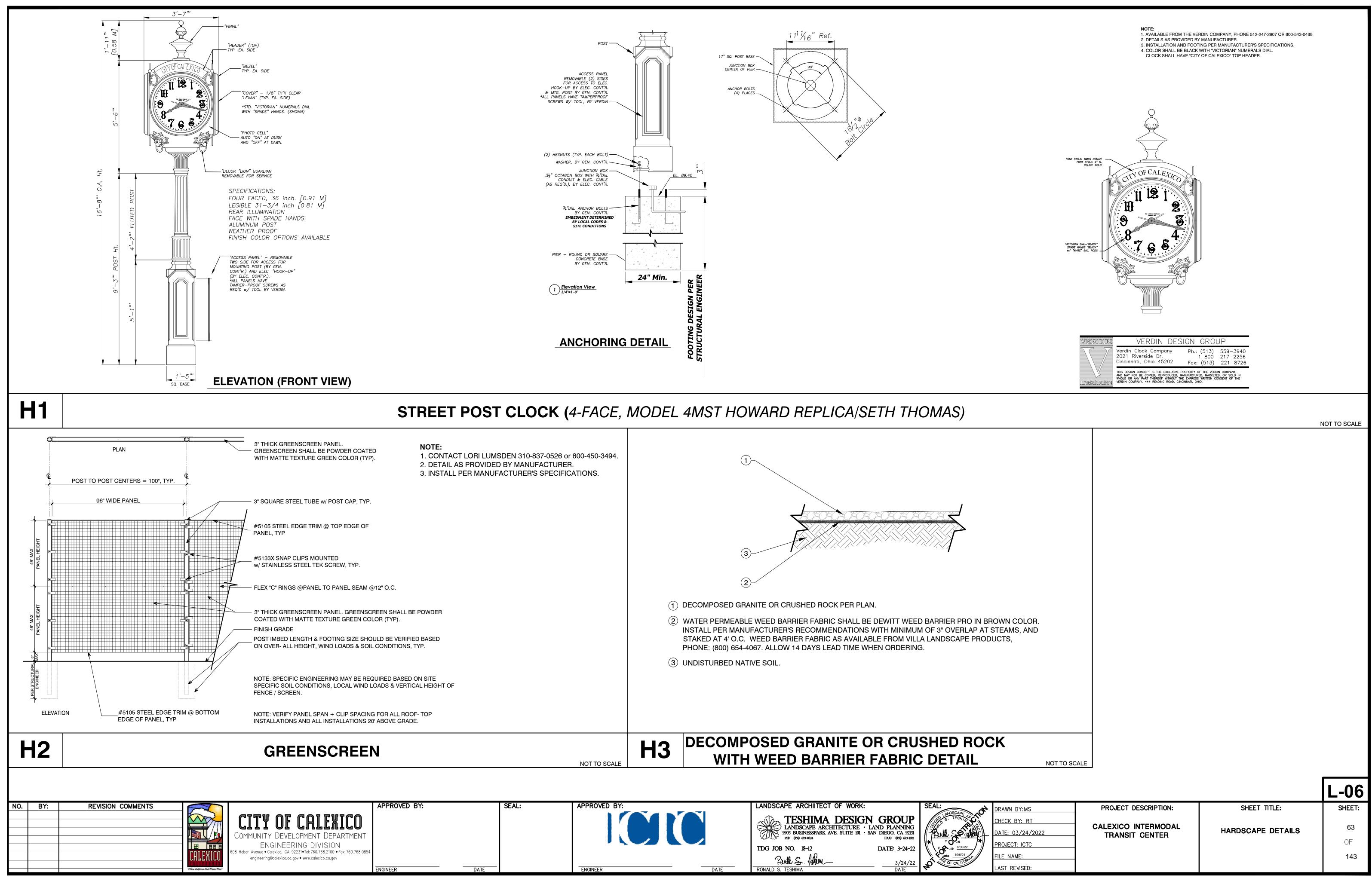
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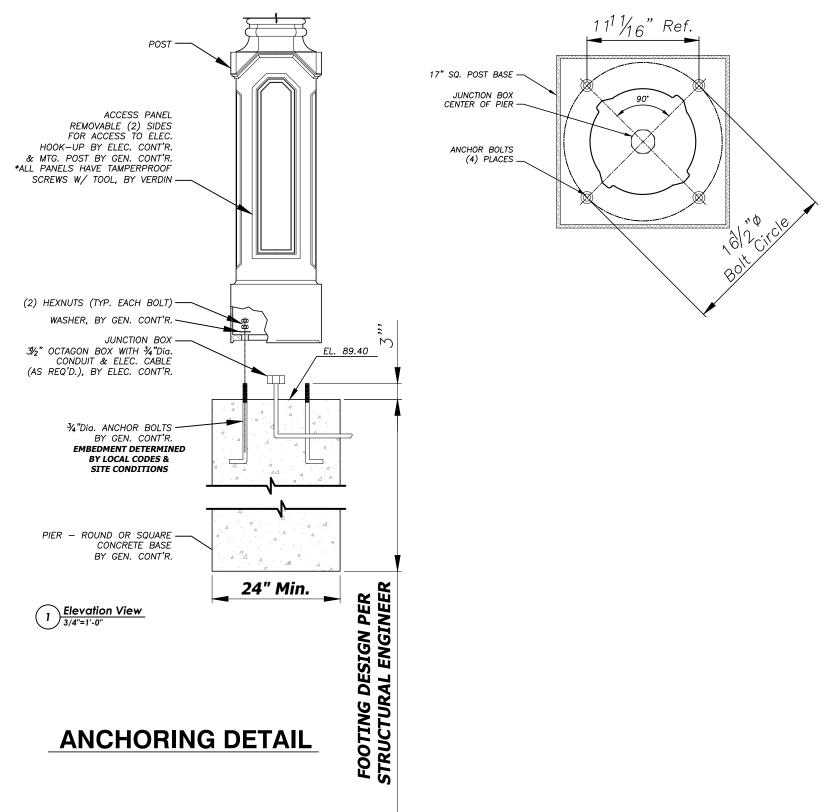
KEY	DESCRIPTION
$\langle \mathbf{A} \rangle$	Concrete Curb per Civil Engineer's Drawings.
B	Parking Striping per Civil Engineer's Drawings.
$\langle \mathbf{c} \rangle$	Cross Walk Striping per Civil Engineer's Drawings.
$\langle \mathbf{D} \rangle$	Vehicular Paving per Civil Engineer's Drawings.
<b>E</b>	Security Fence and Gate at Mechanical Yard location per Architect's Drawings.
$\langle \mathbf{F} \rangle$	Shade Canopy Structure with Columns per Architect's Drawings.
$\langle \mathbf{G} \rangle$	Handicap Access Ramp per Civil Engineer's Drawings.
$\langle \mathbf{H} \rangle$	Detectible Warning Surface per Civil Engineer's Drawings.
$\langle \mathbf{I} \rangle$	Vertical Shade Screen Structure per Architect's Drawings.
$\langle \mathbf{J} \rangle$	Curb cuts and rip-rap energy dissipation per Civil Engineer's Drawings
ĸ	Trash Enclosure per Civil Engineer's Drawings.
$\langle L \rangle$	Sidewalk underdrain with steel sheet cover per Civil Engineer's Drawings. Concrete edges shall be Davis Color, Outback 6771 with smooth troweled finish.

### **GRADING & DRAINAGE NOTES**

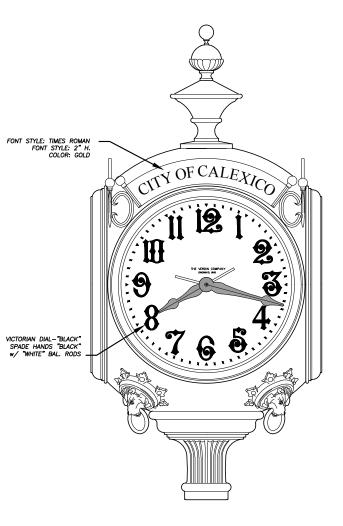
- A. CROSS SLOPE OF SIDEWALK TO BE A MAX. OF 2%.
- B. SLOPE ALL HARDSCAPE TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDING.
- C. VERIFY GRADES WITH CIVIL ENGINEER'S SHEETS.
- D. CONNECT LANDSCAPE DRAINS TO STORM DRAIN SYSTEM AS INDICATED ON CIVIL ENGINEER'S DRAWINGS.

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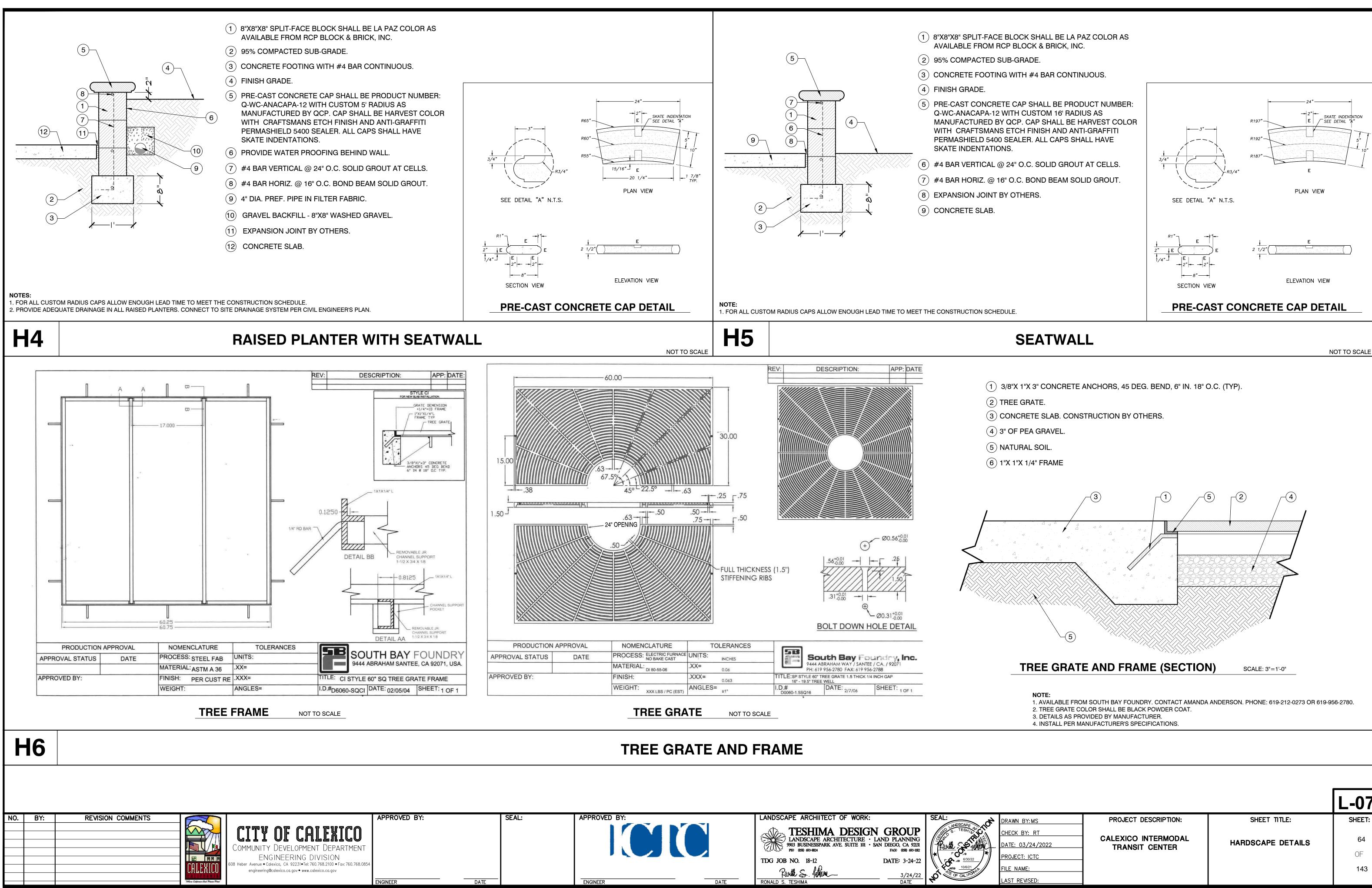




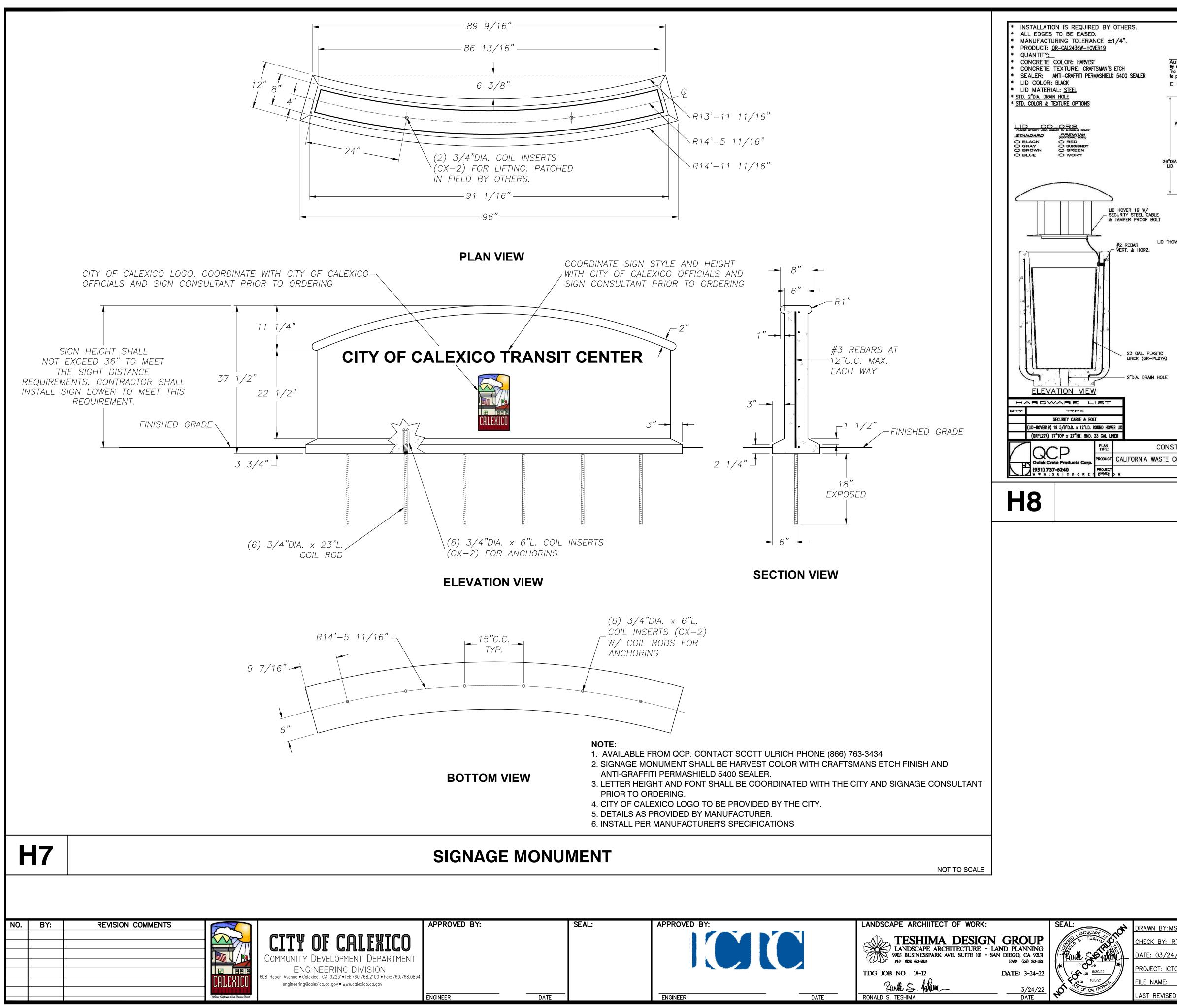




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$\square$	Verdin Clock Company 2021 Riverside Dr. Cincinnati, Ohio 45202	Ph.: (513) 559–3940 1 800 217–2256 Fax: (513) 221–8726
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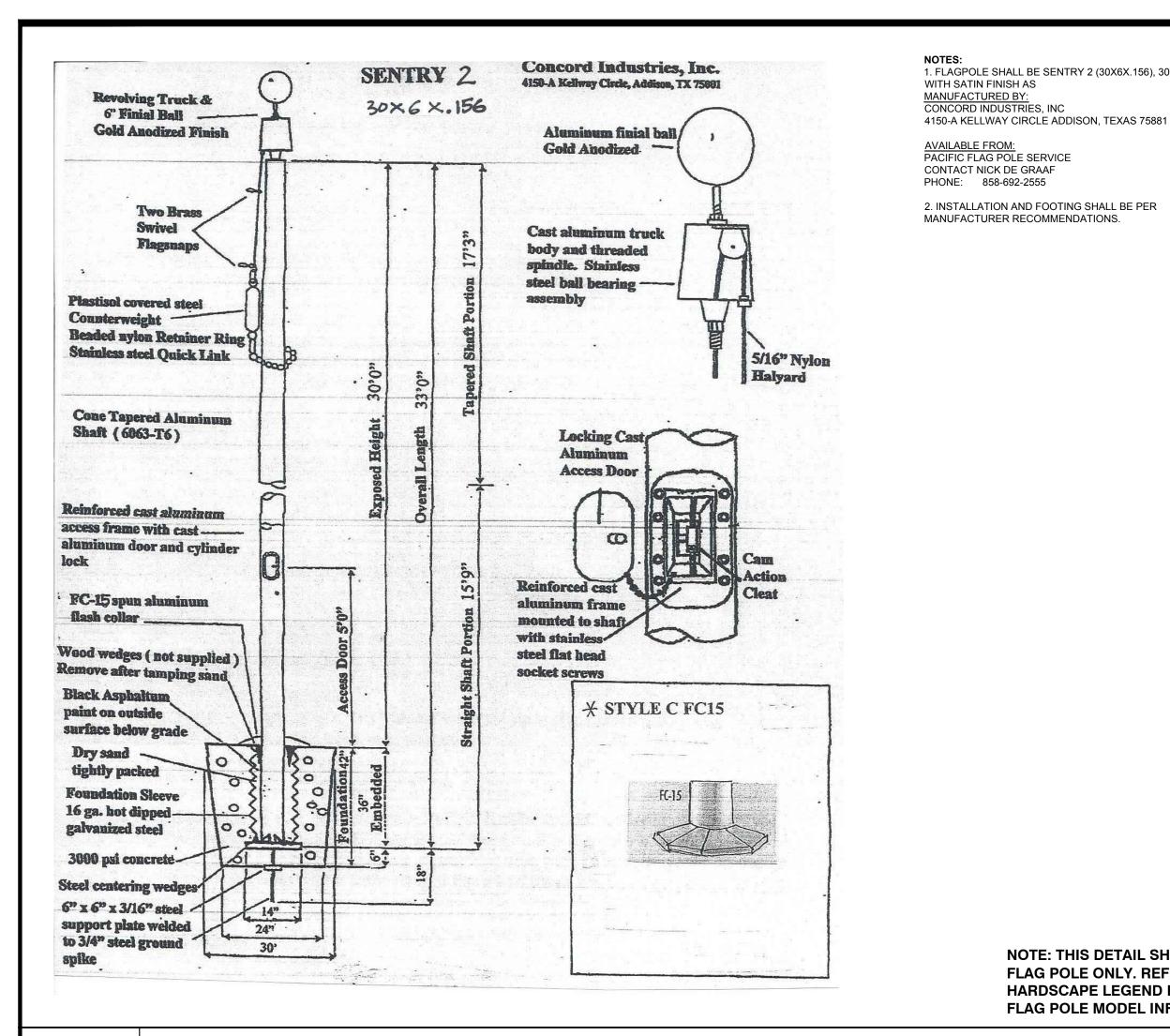
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OF

APROX. WT.<u>520 Lbs.</u> (CUSTOMER TO OFFLOAD IF OVER 6000 Lbs.) Authorized Signature By signing above or stamping this drawing "approved" or "no exception taken" authorization is given to Quick Crete to produce this drawing as shown within a 1/4" tolerance. E = EXPOSED FINISHED SURFACE24"O.D WASTE CONT 20"1.D WASTE CONT. 26"DIA. <u>PLAN VIEW</u> LID "HOVER 19" -ELEVATION VIEW NOTE: CONSTRUCTION PLAN 1. AVAILABLE FROM QCP. CONTACT SCOTT ULRICH PHONE (866) 763-3434. 2. TRASH RECEPTACLE SHALL BE HARVEST COLOR WITH CRAFTSMANS RAWN BY: CALIFORNIA WASTE CONT. (QR-CAL2436W-HOVER19 ETCH FINISH AND ANTI-GRAFFITI PERMASHIELD 5400 SEALER. 3. DETAIL AS PROVIDED BY MANUFACTURER. C. NO. C ITEM NO 4. INSTALL PER MANUFACTURER'S SPECIFICATIONS. TRASH RECEPTACLE

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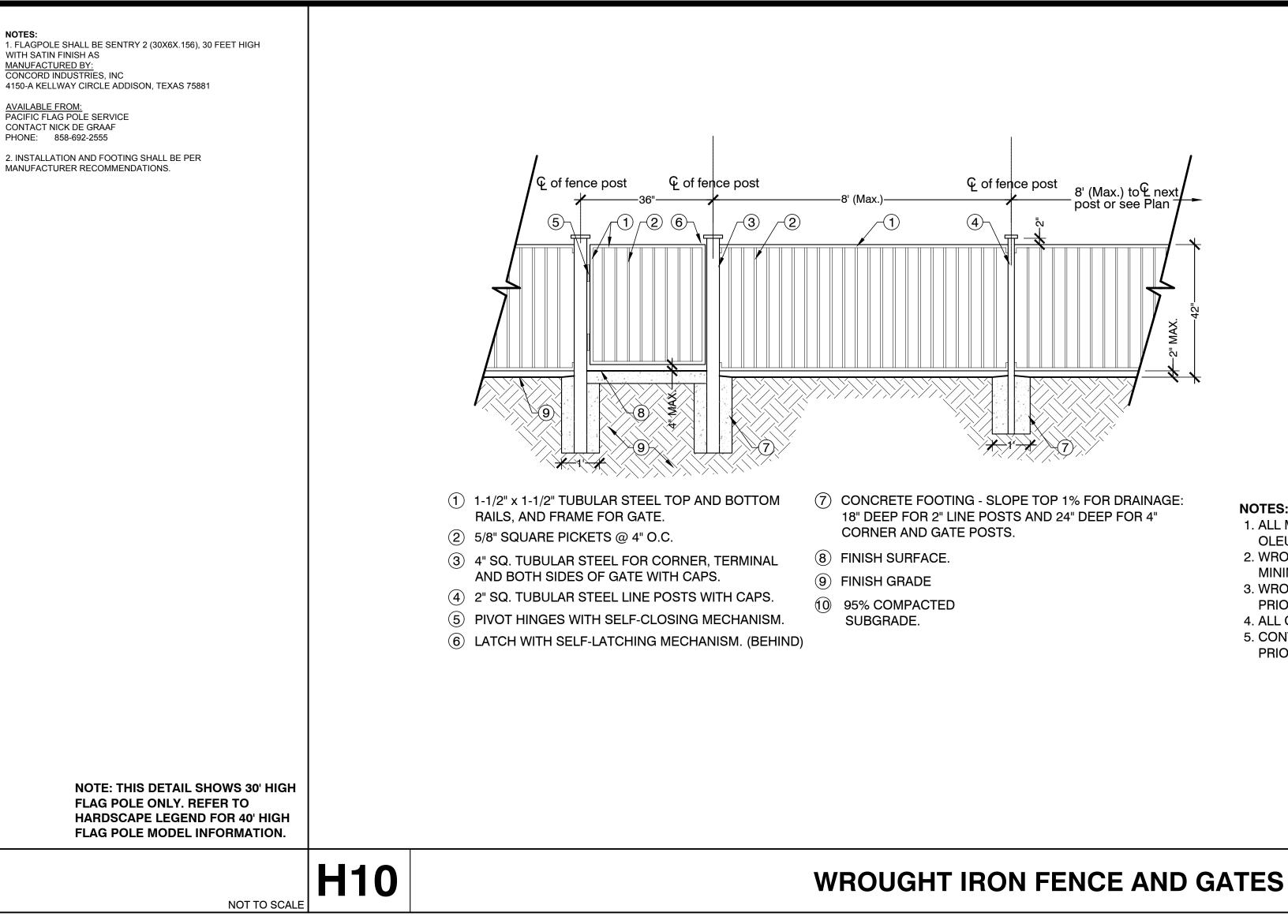


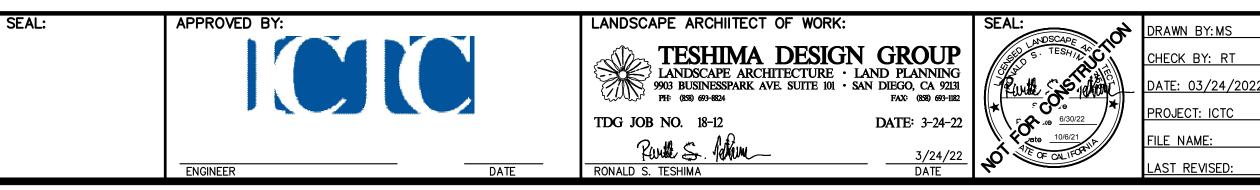
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# FLAG POLE

NO.	BY:	REVISION COMMENTS		CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	
			"Where California Goud Mexico Moot"		FNGINFFR

ENGINEER DATE





### NOTES:

- 1. ALL METAL SHALL BE TREATED WITH TWO (2) COATS OF "RUST-OLEUM" (OR EQUIVALENT) FLAT BLACK PRIMER FACTORY APPLIED. 2. WROUGHT IRON FENCE SHALL BE INSTALLED WITH A ONE-INCH
- MINIMUM SEPARATION FROM ANY BUILDING STRUCTURE. 3. WROUGHT IRON FENCE SHALL BE APPROVED IN THE FIELD
- PRIOR TO INSTALLATION.
- 4. ALL CONNECTIONS SHALL BE WELDED, NOT BOLTED. 5. CONTRACTOR TO COORDINATE ALL GATE HARDWARE WITH ICTC PRIOR TO INSTALLATION.

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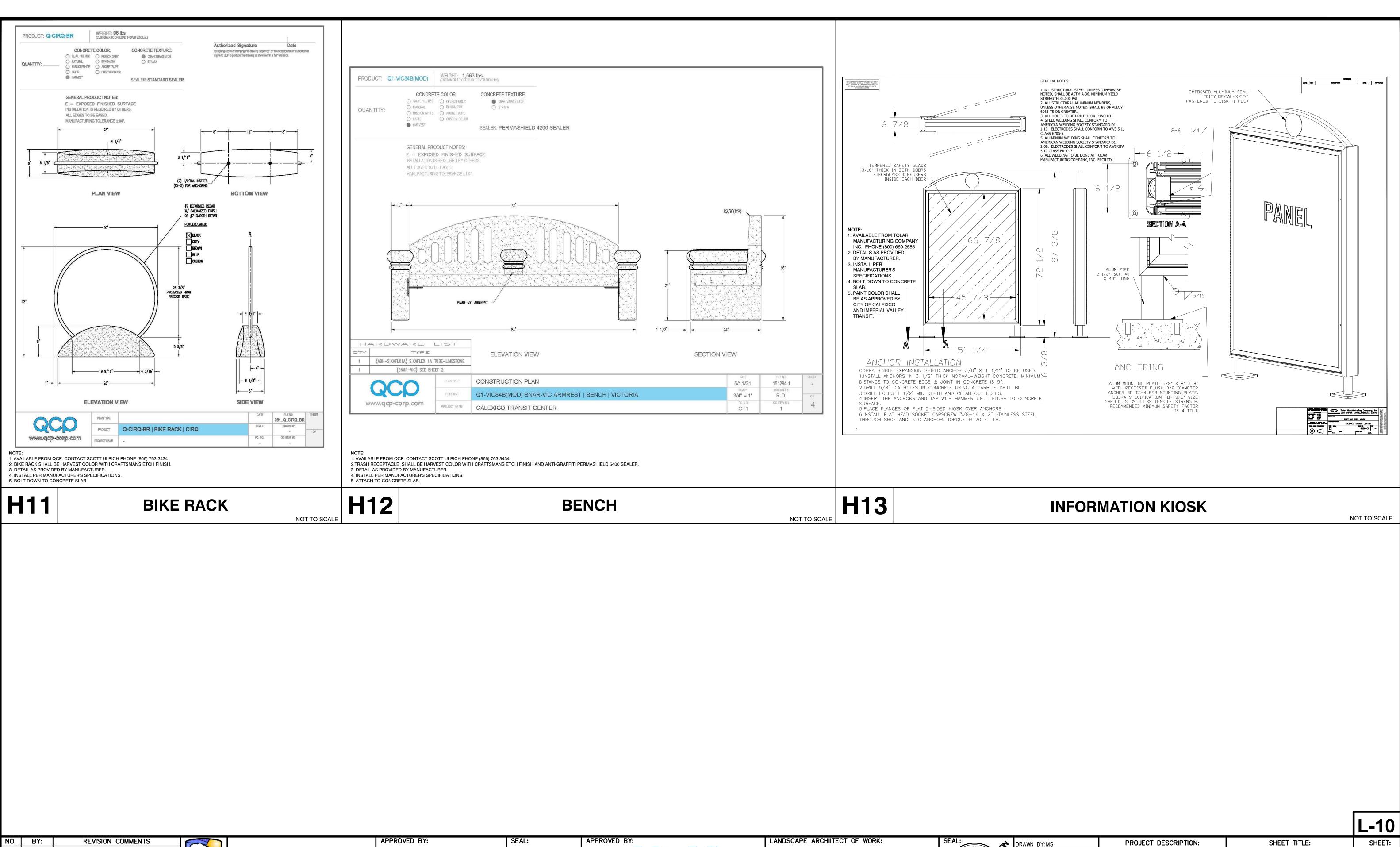
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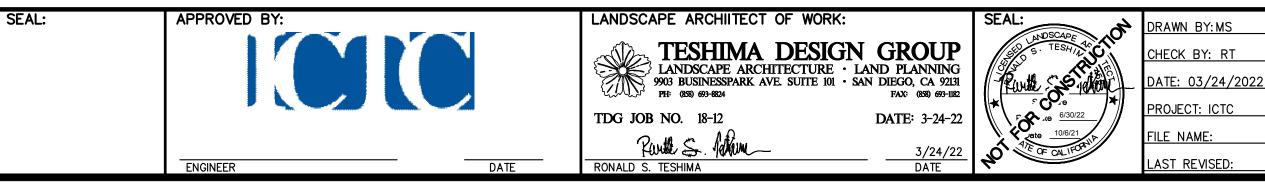
CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

HARDSCAPE DETAILS



		<b>CITY OF CALEXICO</b> COMMUNITY DEVELOPMENT DEPARTMENT	
		ENGINEERING DIVISION	
	CALEXICO	608 Heber Avenue ● Calexico, CA 92231●Tel: 760.768.2100 ● Fax: 760.768.0854 engineering@calexico.ca.gov ● www.calexico.ca.gov	
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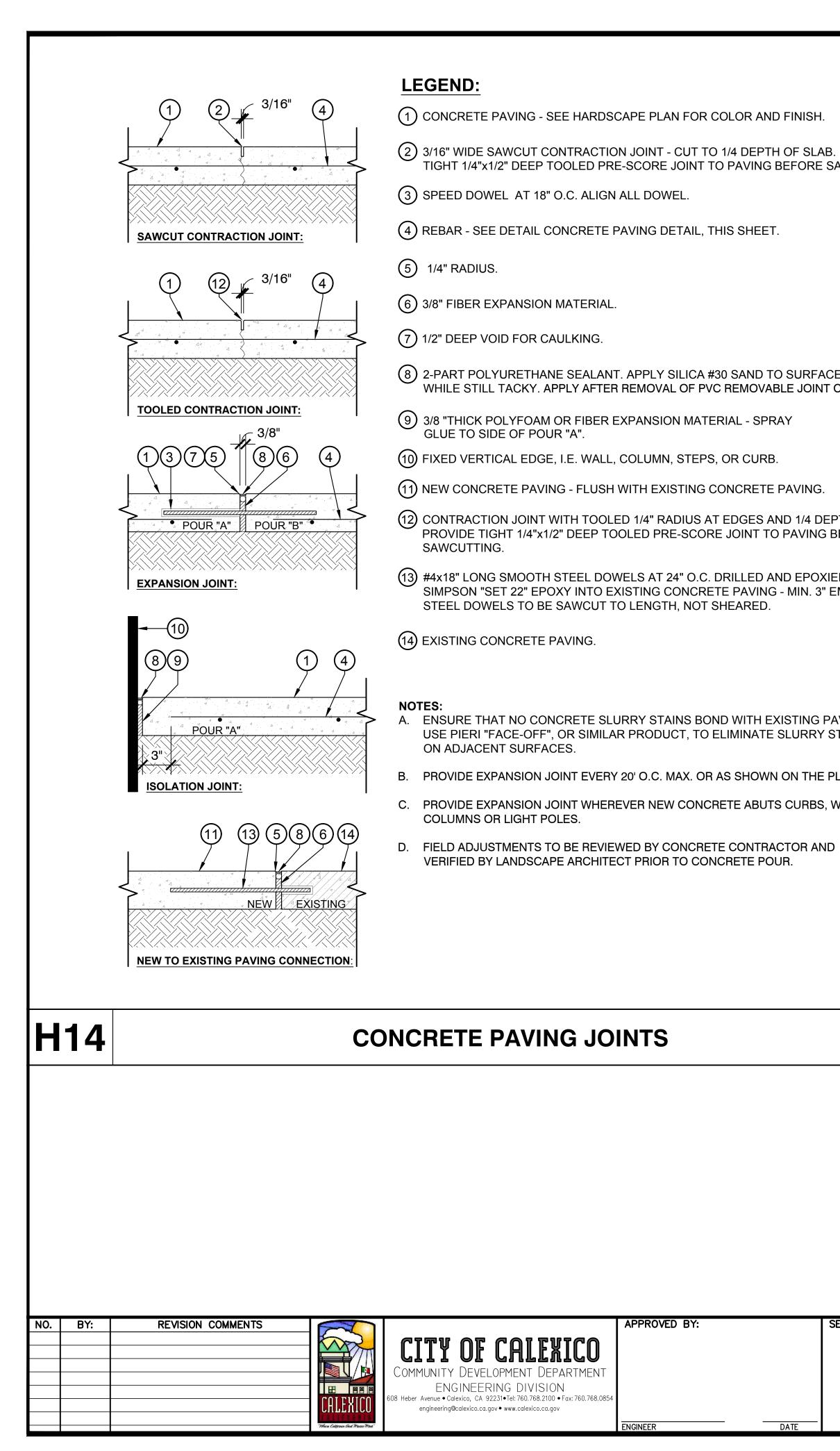
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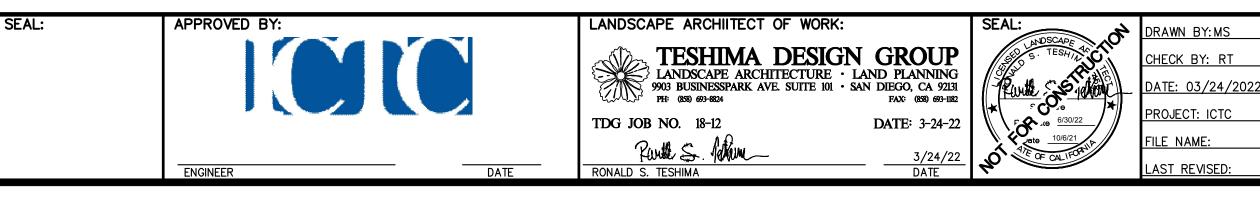
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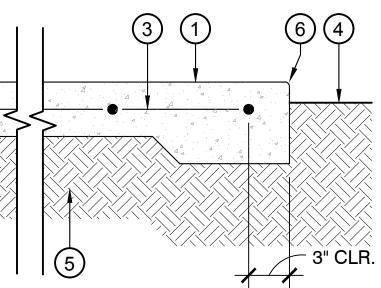
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HARDSCAPE DETAILS



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-			
, WALL, D			D. INSTALL EXPANSION JOINTS, SA CONTRACTION JOINTS PER PLAI
PLAN.			PURPOSES ONLY. VERIFY AND ( GEOTECHNICAL SOILS REPORT. B. PROVIDE MOCK-UP (SIZE: 4'X4') F C. SEAL EXPOSED PORTIONS OF C
PAVING - STAINS			<b>NOTES:</b> A. PAVING THICKNESS, BASE PREP
			NOTED IN THE GEOTECHNICAL S     (6) 1/4" TOOLED RADIUS.
			5 90% COMPACTED SUBGRADE - \
IED WITH EMBED.			4) FINISH GRADE.
BEFORE			3 REINFORCING AT PAVING: PEDESTRIAN PAVING: #3 B VEHICULAR PAVING: #4 BA
EPTH OF SLAB.			2 PAVING THICKNESS: PEDESTRIAN: 4" (SEE NOTI VEHICULAR: 6" (SEE NOTE
			1 CONCRETE PAVING - SEE HARD
			LEGEND:
CE OF SEALANT Γ CAP IF USED.			8" / MIN.
		2	1 1/2"
B. PROVIDE SAWCUTTING.			
	I		





DSCAPE PLAN FOR COLOR AND FINISH.

DTE 'A' BELOW) TE 'A' BELOW)

BARS AT 24" O.C. BOTH WAY, CENTER IN SLAB. BARS AT 18" O.C. BOTH WAYS, CENTER IN SLAB

- VERIFY AND COMPLY WITH REQUIREMENTS SOILS REPORT.

EPARATION, AND REINFORCING ARE SHOWN FOR BID COMPLY WITH REQUIREMENTS NOTED IN THE

) FOR CLIENT AND LANDSCAPE ARCHITECT APPROVAL. CONCRETE PAVING AS SPECIFIED ON DRAWINGS. AWCUT CONTRACTION JOINTS AND TOOLED AN.

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OF

**PROJECT DESCRIPTION:** 

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

HARDSCAPE DETAILS

### **IRRIGATION PIPE AND EQUIPMENT LOCATION NOTES**

- 1. ALL IRRIGATION EQUIPMENT, DRIP/SPRINKLERS AND PIPE THAT ARE SHOWN IN PAVING IS FOR DRAWING CLARITY ONLY. ALL EQUIPMENT SHALL BE INSTALLED WITHIN LANDSCAPED AREA. NO IRRIGATION EQUIPMENT SHALL BE LOCATED IN HARDSCAPE.
- MAINLINE AND VALVE LOCATIONS SHOWN ON THIS DRAWING ARE DESIGNED AS 2. DIAGRAMMATIC AND APPROXIMATE. THE LANDSCAPE CONTRACTOR SHALL STAKE ALL IRRIGATION APPURTENANCE LOCATION FOR REVIEW AND APPROVAL FINAL LOCATION AND EXACT POSITIONING OF ALL IRRIGATION APPURTENANCE SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. MINOR MODIFICATIONS OF ALL IRRIGATION APPURTENANCE AS REQUESTED BY THE OWNER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST FAILURE TO OBTAIN OWNER'S APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE OWNER DIRECTED REVISION AT NO CHARGE.

PRES	SSUR	RE C/	<b>ALCU</b>	LAT	ONS
	MPERIAL TRA				
LOCATION:	HIRD ST. BETW CALEXICO. CA	EEN ROCKWO	OD AVE. TO HEF	Fernan ave.,	CITY OF
	E / SOURCE E	LEV.:			
DATE OF PR	ESSURE CHE	CK: 5/20/21	BY: CITY	OF CALEXICO	)
JOB NO.: 18	-12				
CLIENT NO.:	760-592-449	4			
WATER AUT	HORITY: CITY	OF CALEXIC	0		
CALC. DATE	: 6/21/21		BY: MS	3	
VALVE NO.	CHECKED: A	.12			
PRESS. AT	POC:		60 PSI		
POC ELEVA	TION:		HIGHEST HE	AD:	
PIPE	PIPE	PIPE	PIPE	ACCUM.	LOSS
SECTION 1	TYPE SCH. 40	SIZE 3/4"	LENGTH 40'	GPM 1.6	IN PSI
2	SCH. 40	3/4"	40'	4.2	.00
3	SCH. 40	3/4"	40'	5.5	1.3
4	SCH. 40	1"	40'	6.8	.5
5	SCH. 40	1"	10'	7.1	.2
A. TOTAL L	2.2				
MAINLINE	SYSTEM:				
PIPE SECTION	PIPE TYPE	PIPE SIZE	PIPE LENGTH	ACCUM. GPM	LOSS IN PSI
1	CL. 315	1-1/2"	230'	7.1	0.46
B. TOTAL N	IAINLINE SYS	TEM LOSSES	; ;		0.46
MISCELLA	NEOUS LOSSI	ES:	SIZ	E:	
WATER ME	TER		1	11	0.5
BACKFLOW	PREVENTER		1-1	1/4"	10
CONTROL	/ALVE		1	II	2.5
MASTER CO	ONTROL VAL	/E	1	11	2.5
CONTROL \	/ALVE		1	II	0.5
C. TOTAL N	/ISCELLANEO	US LOSSES			16.0
D. TOTAL S	YSTEM LOSS	ES(A+B+C	C)		18.7
E. FITTING	2.8				
F. HEAD LO	SS / GAIN IN	SYSTEM			
G. MINIMUI	30				
H. DESIGN PRESSURE ( D+E+F+G )					
I. AVAILAE	60				
J. RESIDU	AL PSI(I-H)				8.4
K. PUMP B	OOST				SEE NOTE BELOW
L. ADJUST	ED RESIDUAL	. PSI ( J+K )			8.4 SEE NOTE BELOW

### **BOOSTER PUMP NOTE:**

CONTRACTOR SHALL PROVIDE A BID ALTERNATE FOR BOOSTER PUMP ASSEMBLY IF THE AVAILABLE PRESSURI IS INADEQUATE TO SUPPORT THE DESIGNED HYDRAULIC CRITERIA AT THE TIME OF CONSTRUCTION. DUE TO FLUCTUATING PRESSURE A BOOSTER PUMP MIGHT BE NEEDED. PROVIDE BOOSTER PUMP SUFFICIENT ENOUGH TO INSURE THAT THE IRRIGATION SYSTEM SHALL WORK PROPERLY. SHOULD PRESSURE BE DIFFERENT THEN SHOWN ON THE PLAN CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH INSTALLATION.

### **SEE SHEET L-15 FOR IRRIGATION LEGENDS SEE SHEET L-15 FOR IRRIGATION SCHEDULE SEE SHEET L-15 FOR IRRIGATION NOTES SEE SHEET L-17, L-18 AND L-19 FOR IRRIGATION DETAILS SEE BOOK SPECIFICATIONS FOR IRRIGATION SPECIFICATIONS**

$\sim$	REVISION COMMENTS	BY:	NO.
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Where California			

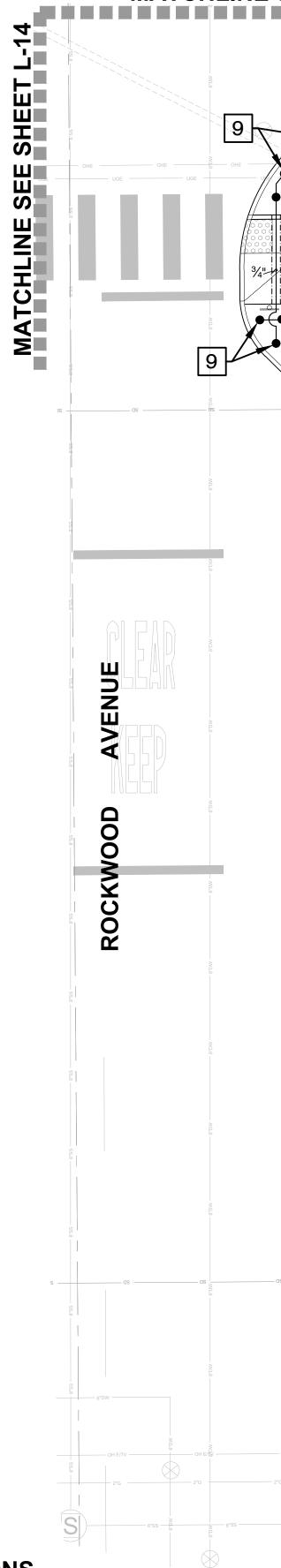
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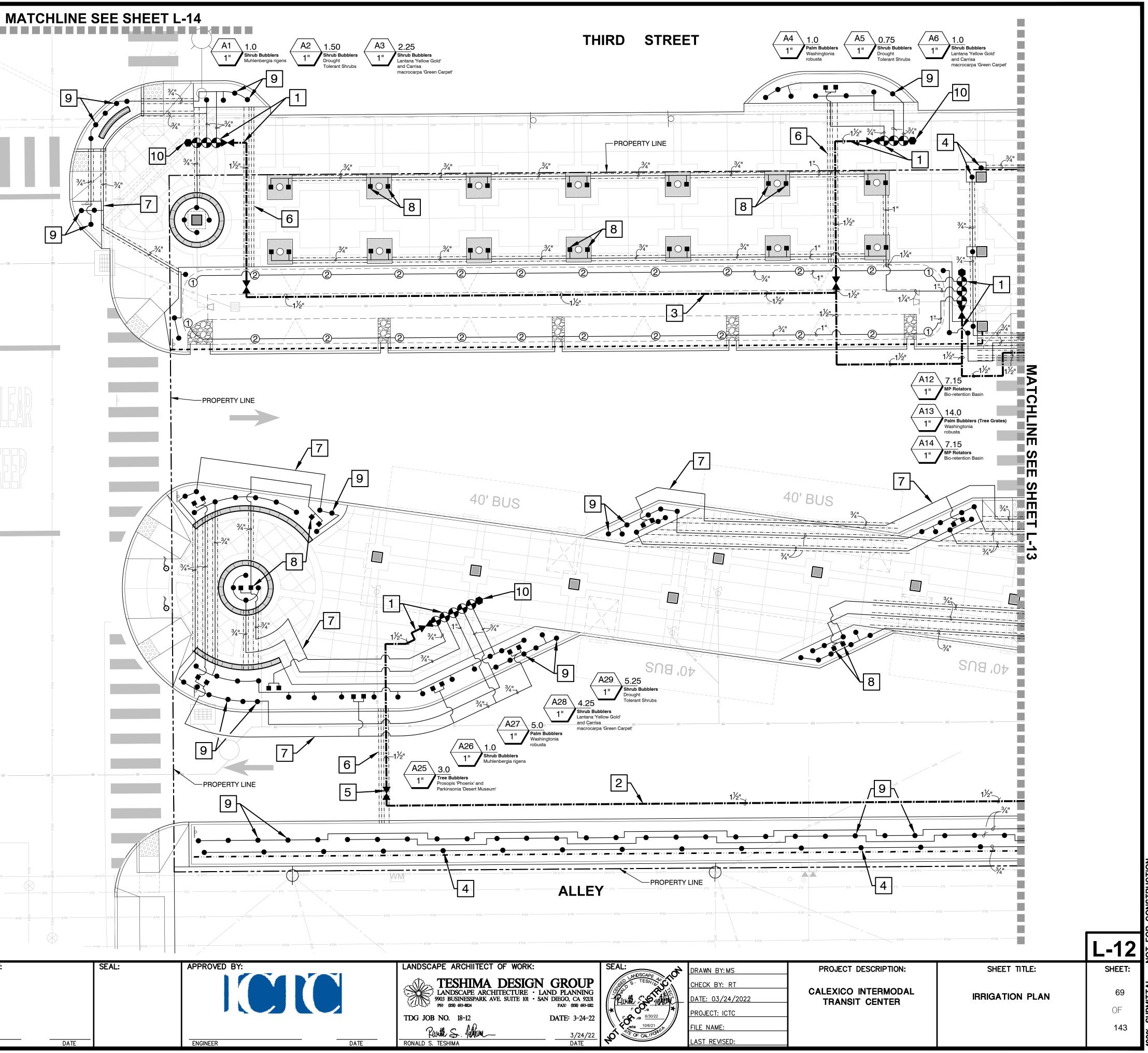
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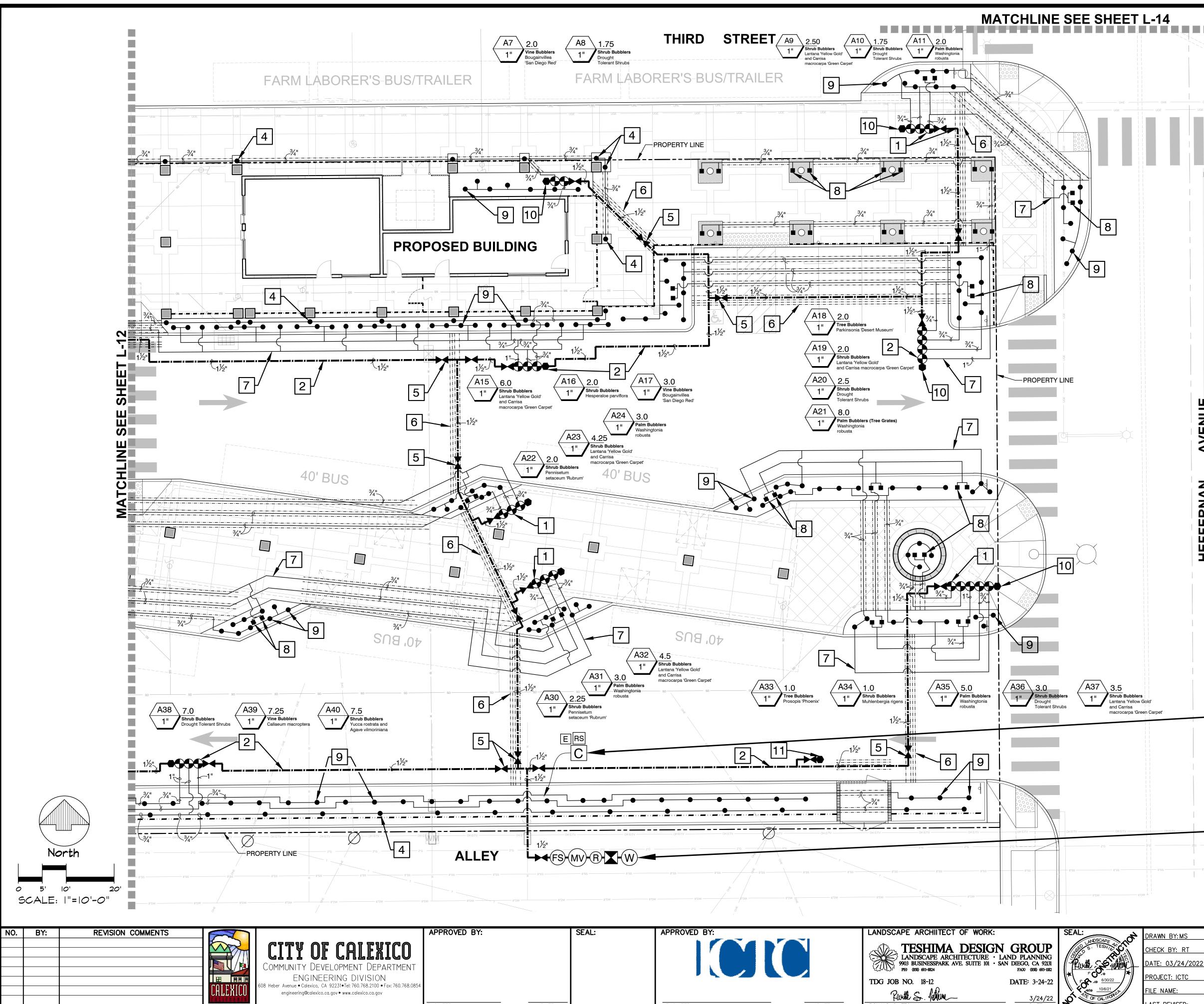
0 5' 10'

	<b>CITY OF CALEXICO</b> Community Development Department
	ENGINEERING DIVISION
CALEXICO	608 Heber Avenue ● Calexico, CA 92231●Tel: 760.768.2100 ● Fax: 760.768.08 engineering@calexico.ca.gov ● www.calexico.ca.gov
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engineering@calexico.ca.gov • www.calexico.ca.gov

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ENGINEER

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LAST REVISED:

3/24/22 DATE

DATE \_\_\_\_

RONALD S. TESHIMA

### **IRRIGATION CONTROLLER** CONTRACTOR SHALL INSTALL (1) HUNTER ACC2 CONVENTIONAL CONTROLLER, MODEL A2C-4800-PED-SS IN A STAINLESS STEEL

PEDESTAL ENCLOSURE. INSTALL IN THE DECOMPOSED GRANITE AREA ADJACENT TO POINT-OF-CONNECTION. FINAL LOCATION OF CONTROLLER SHALL BE APPROVED BY AUTHORIZED CITY REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE 120 VOLT ELECTRICAL SERVICE TO CONTROLLER PER MANUFACTURER RECOMMENDATIONS. INSTALL WITH HUNTER SOLAR SYNC DEVICE.

**SEE SHEET L-15 FOR IRRIGATION LEGENDS** 

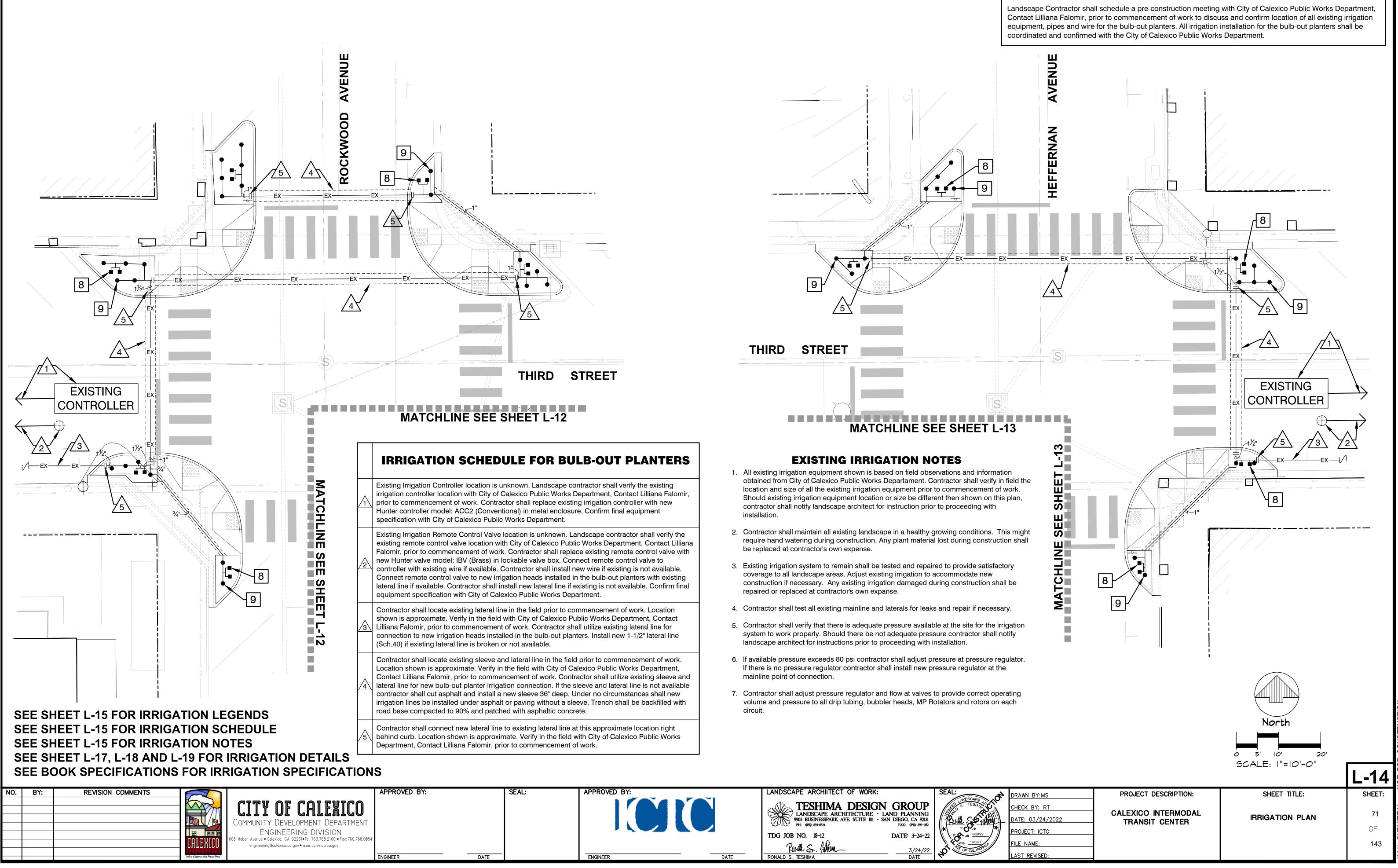
**SEE SHEET L-15 FOR IRRIGATION NOTES** 

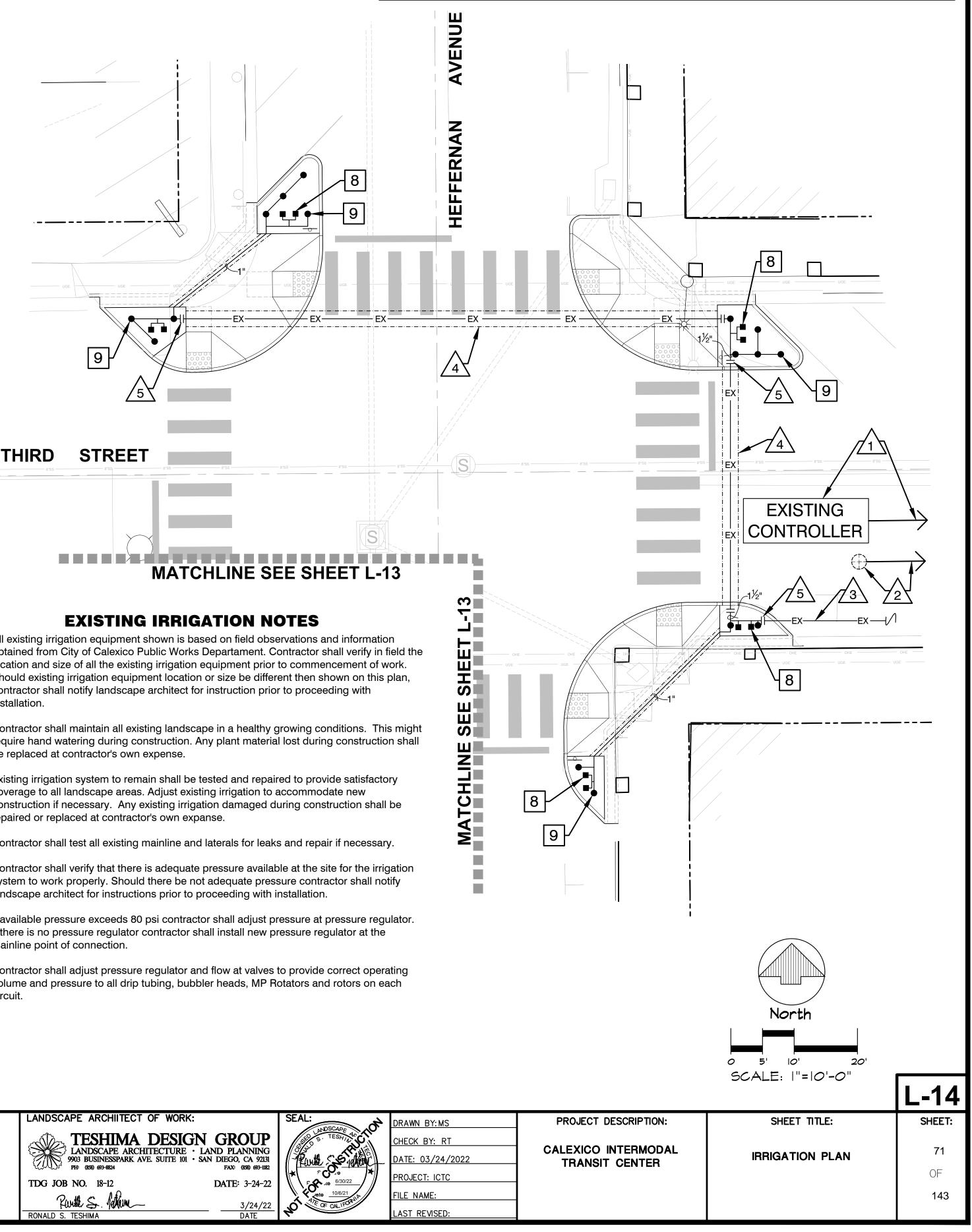
**SEE SHEET L-15 FOR IRRIGATION SCHEDULE** 

SEE SHEET L-17, L-18 AND L-19 FOR IRRIGATION DETAILS

SEE BOOK SPECIFICATIONS FOR IRRIGATION SPECIFICATIONS

POINT C	OF CONNECT	ION INFORMATION	
Water Meter	1" Potable Water Meter pe	er Civil Engineer	
Controller Type	Hunter ACC2 Convention A2C-4800-PED-SS. Instal	al Controller, Model I with Hunter SOLAR SYNC-SEN	
Backflow Device	1-1/4" Febco 825Y.		
Static Pressure	60 psi		
Peak Flow	14 gpm		
Stations Available	48		
Stations Used	40		
BOOSTER PUMP MIG TO INSURE THAT TH PRESSURE BE DIFFE	GHT BE NEEDED. PROVID IE IRRIGATION SYSTEM S RENT THEN SHOWN ON T	DUE TO FLUCTUATING PRESSURE A E BOOSTER PUMP SUFFICIENT ENOUGH SHALL WORK PROPERLY. SHOULD HE PLAN CONTRACTOR SHALL NOTIFY PRIOR TO PROCEEDING WITH	L-13
PROJECT D	ESCRIPTION:	SHEET TITLE:	SHEET:
CALEXICO I	NTERMODAL CENTER	IRRIGATION PLAN	70 OF







<u> </u>						-		
SYMBOL	DESCRIPTION	MANUF	MODEL	SIZE	NOTES	SYM	BOL	-
W	Potable Water Meter			1"	By others. See Civil Engineer's Drawings. Approx. where shown, field verify.		•	Shrub
	Reduced Pressure Backflow Preventer	Febco	825Y	1-1/4"	Contractor shall install with Wilkins 1-1/4" 500XLYSBR 80 mesh Y-strainer. If psi is found to exceed 80 psi, install 25-75 psi regulator downstream on backflow assembly. See Detail I4, Sheet L-17. Install with Strong Box smooth touch vandal resistant backflow enclosure. Enclosure shall be large enough to accommodate backflow assembly. Install per manuf. recommendations.		• 	Tree/P
	Remote Control Valve	Hunter	ICV-xxxG	Size Per Plan	Install in value box with tan color lid per			MP Ro
MV	Master Control Valve (Brass)	Hunter	IBV-101G	1"	Install in valve box with tan color lid per Detail I2, Sheet L-17. Install all wires connecting master valve to the controller in a continuous conduit.			
R	Pressure Reducing Valve	Wilkins	500 Series	Line Size	Install downstream on backflow assembly if psi is found to exceed 80 psi. See Reduced Pressure Backflow Preventer above.			ne and on mai
С	Controller 'A'	Hunter	ACC2 Conventional A2C-4800-PED-SS	48-Stations	Install in stainless steel pedestal enclosure. Install with Hunter Solar Sync. Install in the decomposed granite area adjacent to point-of-connection. Final location of controller and Solar Sync shall be approved by authorized owner representative prior to installation. Install per manufacturer's specifications. See Detail I11, Sheet L-18. See note below.		concre installa Mainlir irrigati curb. S	ete. See
FS	Flow Sensor	Flowmec	QS200-10	1"	Install with a 1" Sch. 80 PVC tee. Install in valve box with tan lid. Valve box shall be large enough to accommodate flow sensor assembly. Contractor to input the K value and Offset value at the controller. Connect to controller with a 14 AWG. Install all wires connecting flow sensor to the controller in a continuous conduit. Install per manufacturer's specifications. See Flow Sensor Detail I5, Sheet L-17.		approx Ball va area (t Wire S Latera	(1) bub ximate. Ilve shc zyp). Sleeve ( I lines s r areas
•	Quick Coupler	Rain Bird	44-LRC	1"	Install in 10" Round Valve Box with tan lid per Detail Ix, Sheet-L-x. Install with ACME threads. Brand lid with letters "QC".		exact	Palm Bu tree/pal (2) bub
	Ball Valve	KBI	WLT-0000-T	Line Size	Install in 10" round valve box with tan lid per Detail I7, Sheet L-18.		· · ·	-up bo (1) bub
E	Electrical Connection			120 Volt	Plug or hard wire controller onto GFI electrical outlet. Location to be determined by Owner.		Provid	ximate. e (2) tw ne run.
NOT SHOWN	Check Valve	KBI	KC-Series		Install where required to prevent low head drainage.		distrib	uted by
RS	Rain Sensor	Hunter	SOLAR SYNC-SEN		Mount per manufacture's specifications on a metal pole. Mount in an area that will be exposed to unobstructed rainfall, but not in the path of sprinkler spray. See Detail I12, Sheet L-18.			lve in th
	Pressurized Mainline	PVC	Class 315	Size Per Plan	Install at 18" depth. See Trenching Detail I8, Sheet L-18. Install trust blocks on mainline at direction changes per Detail I9, Sheet L-18.		•	e Contra
۸۸	Non-pressurized Lateral	PVC	Sch. 40	Size Per Plan	Install at 12" depth. See Trenching Detail I8, Sheet L-18.	irriga Lanc the l	ation a dscape andsc	t. Per s udit sh audit ape. Th
	Sleeve - Controller Station - Maximum GPM - Valve Size	PVC	See Notes	Size Per Plan	Sleeve under improvements: Under Vehicle Paving install mainline, wiring and laterals in separate PVC Sch. 80 sleeves at 36" depth. Under Pedestrian Paving install mainline, wiring and laterals in separate PVC Sch. 40 sleeves at 24" depth. All sleeves shall be twice the diameter of the pipe. Note: where mainline is shown sleeved, install 4" wire sleeve. See Sleeve Detail I6, Sheet L-17.	limite facto CON THE CRI <sup>T</sup> BOC TO I PRE LAN	NTRACE AVAI TERIA DSTEF NSUF SSUF DSCA	vith cert nspecti ope, exp IRR CTOR S LABLE AT TH R PUMF R PUMF R THA R PUMF R THA R PUMF R THA R PUMF R AR N PE AR TION.
PR LA IRI TH SE SE	L SPRAY HEADS ARE TO BE E ESSURE COMPENSATING DE NDSCAPED AREA WITHOUT C RIGATION SYSTEM IS DESIGN E RUN TIME OF SOME VALVE NSOR. (FLOW SENSOR AND I	VICE. ALL I OVER SPRAY ED TO OPE S TO ASSU MASTER VA RATE TWO	HEADS ARE TO Y ONTO BUILDIN RATE ONE VAL RE THE PROPEI	BE ADJUSTEE NGS, WALLS, V VE AT A TIME. R PERFORMAN RE THEN 1 GPN	S. ALL SPRAY HEADS TO BE EQUIPPED WITH A TO PROVIDE BEST COVERAGE TO THE WALKWAYS AND PAVING. IF NECESSARY CONTRACTOR CAN COMBINE NCE OF THE MASTER VALVE AND THE FLOW M TO OPERATE PROPERLY). CONTRACTOR CAN AME TIME ONLY IF THE TOTAL COMBINED FLOW OF			
CC	ONTRACTOR SHALL CONTACT	THUNTER S			HRIS ROESINK, AT 760.703.2474 AND SHALL DETAILS AND SPECIFICATIONS IN FIELD.	SEE S SEE E		
). BY:	REVISION COMME	NTS			APPROVED BY:			
				Communit	Y DEVELOPMENT DEPARTMENT			

Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.085

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engineering@calexico.ca.gov • www.calexico.ca.gov

### IRRIGATION LEGEND

DESCRIPTION	MANUF	MODEL	PSI	RADIUS	GPM	NOTES
Shrub/Tree Bubbler	Hunter	PROS-06-PRS30-CV				Body Style
Shrub Multi-Stream Bubbler		MSBN-25Q	30	1'	0.25	Install all bubblers on 6" pop-up
Tree/Palm Multi-Stream Bubbler		MSBN-50H	30	1'	0.50	bodies. Use bottom inlet only.
						See Pop-up Detail I14, Sheet L-19.
Shrub MP Rotator	Hunter	Pro-Spray				Body Style
MP Rotator Nozzle - Quarter		PROS-12-PRS30-CV-MP2000-90	30	13' to 21'	0.34	Install all heads on 12" pop-up
MP Rotator Nozzle - Half		PROS-12-PRS30-CV-MP2000-90	30	13' to 21'	0.64	bodies. Use bottom inlet only. See Pop-up Detail I14, Sheet L-19.

### **IRRIGATION SCHEDULE**

e and remote control valves shown in hardscape for clarity only. Install on mainline and remote control valves in the planter area at 18" from edge of ete. See Details I2 and I3, Sheet L-17 for remote control valve manifold

ne and remote control valves shown in hardscape for clarity only. Install on mainline and remote control valves in the planter area at 18" from back of See Details I2 and I3, Sheet L-17 for remote control valve manifold installation.

mainline at 18" from edge if concrete.

(1) bubbler on a 6" pop-up body at each vine. Vine location shown is imate. See Planting Plan for exact vine location. See Detail I13, Sheet L-19.

lve shown in hardscape for clarity only. Install ball valve in the planter

leeve (typ).

lines shown in hardscape for clarity only. Install all lateral lines in the areas (Typ).

alm Bubbler location shown is approximate. See Planting Plan for ree/palm location. See Detail I13, Sheet L-19.

(2) bubblers at each tree/palm location. Install both bubblers on -up bodies.

(1) bubbler on a 6" pop-up body at each shrub. Shrub location shown is imate. See Planting Plan for exact shrub location. See Detail I13, Sheet L-19.

(2) two extra control wires and (1) extra common wire to the end of the ne run. Install wires with water proof splices 3M part number DBRY-6

Ited by Paige electric in a 10" round valve box with a tan lid.

Coupler Valve and Ball Valve shown in hardscape for clarity only. Install ve in the planter area (typ).

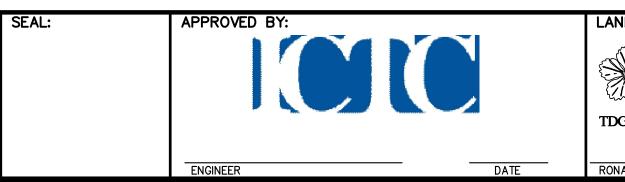
### **IRRIGATION AUDIT NOTE**

Contractor shall include a third party certified irrigation auditor as part of their . Per state water use requirements City of Calexico might require that a landscape udit shall be conducted by a third party certified landscape irrigation auditor. e audit shall not by conducted by the person who designed the landscape or installed ape. The project applicant shall submit an irrigation audit report to the City of ith certification of completion form if required. The audit shall include but not be nspection, system tune-up, system test with application rate, soils types, plant pe, exposure and any other factors necessary for accurate programming.

### **IRRIGATION BOOSTER PUMP NOTE**

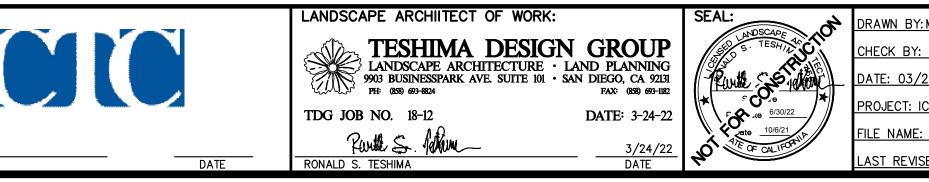
TOR SHALL PROVIDE A BID ALTERNATE FOR BOOSTER PUMP ASSEMBLY IF LABLE PRESSURE IS INADEQUATE TO SUPPORT THE DESIGNED HYDRAULIC AT THE TIME OF CONSTRUCTION. DUE TO FLUCTUATING PRESSURE A R PUMP MIGHT BE NEEDED. PROVIDE BOOSTER PUMP SUFFICIENT ENOUGH E THAT THE IRRIGATION SYSTEM SHALL WORK PROPERLY. SHOULD E BE DIFFERENT THEN SHOWN ON THE PLAN CONTRACTOR SHALL NOTIFY PE ARCHITECT FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH

### ET L-17, L-18 AND L-19 FOR IRRIGATION DETAILS K SPECIFICATIONS FOR IRRIGATION SPECIFICATIONS



### **IRRIGATION NOTES**

- 1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- 2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES. STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES. STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- 3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTUAL PLANS AND AS-BUILT DRAWINGS BEFORE BEGINNING WORK.
- 4. CONTRACTOR SHALL COORDINATE ALL IRRIGATION LINES AND CONTROLLER WIRES WITH PROPOSED LOCATIONS OF PLANT MATERIAL AND ROOT BARRIERS PRIOR TO INSTALLATION. ALL IRRIGATION SLEEVES SHALL BE COORDINATED AND INSTALLED PRIOR TO INSTALLATION OF ANY PAVING, WALL FOOTINGS / FOUNDATIONS, CURBS AND ETC.
- 5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS AS NECESSARY.
- 6. DO NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- 7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH CITY OF CALEXICO, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- 8. ALL LATERALS, MAINLINE AND WIRE UNDER PEDESTRIAN PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE TWICE THE DIAMETER OF THE PIPE CARRIED. ALL LATERALS, MAINLINE AND WIRE UNDER VEHICLE PAVED AREAS TO BE INSTALLED IN A SCH. 80 SLEEVE TWICE THE DIAMETER OF THE PIPE CARRIED. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING. ALL SLEEVES TO BE AS SHOWN ON THE PLANS.
- 9. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDING, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- 10. ALL HEADS INDICATED ON THE PLANS AT A SPACING LESS THAN 75% OF FULL OPEN THROW, AS PER MANUFACTURER'S RECOMMENDATIONS, ARE TO RECEIVE A PCS SCREEN OF APPROPRIATE SIZE TO REDUCE THE RADIUS TO MORE CLOSELY MATCH THE SPACING. REFER TO THE MANUFACTURER'S CHARTS PROVIDED WITH PCS SCREENS FOR SIZING OF SCREENS.
- 11. PROVIDE CLEAN SAND BEDDING AND BACKFILL FOR PRESSURE MAINLINE PIPE (3 IN. BELOW AND 6 IN. ABOVE PIPE MINIMUM).
- 12. IRRIGATION SYSTEMS ARE TO BE INSTALLED AS SHOWN ON THE PLANS & IN ACCORDANCE W/THE CRITERIA AND STANDARDS OF THE CITY OF CALEXICO LANDSCAPE STANDARDS MANUAL & OTHER APPLICABLE STDS. AS OF THE APPROVED DATE OF THESE PLANS.
- 13. USE VARIABLE ARC NOZZLES AS REQUIRED TO ACHIEVE COMPLETE COVERAGE WITH MINIMAL OVERSPRAY
- 14. SYSTEMS ARE DESIGNED FOR A MINIMUM OF 30 psi FOR SPRINKLER HEADS.
- 15. ALL LATERAL END RUNS SHALL BE 3/4" Sch. 40, UNLESS OTHERWISE NOTED. 16. ALL REMOTE CONTROL VALVES SHALL BE INSTALLED IN VALVE BOXES, ONE
- VALVE PER BOX. LOCATE ALL REMOTE CONTROL AND QUICK COUPLING VALVES ADJACENT TO WALKS OR CURBS.
- 17. CHECK VALVES SHALL BE INSTALLED AS REQUIRED TO PREVENT ALL LOW HEAD DRAINAGE.



- 18. CONTRACTOR SHALL VERIFY THAT THERE IS ADEQUATE PRESSURE AVAILABLE AT THE SITE FOR THE IRRIGATION SYSTEM TO WORK PROPERLY. IDEALLY THERE SHOULD BE 30 POUNDS OF PRESSURE AT LAST HEAD ON EVERY CIRCUIT. DESIGN ASSUMES 60 PSI AT THE POINT OF CONNECTION AS PROVIDED BY THE CITY OF CALEXICO. SHOULD PRESSURE BE DIFFERENT THEN SHOWN ON THE PLAN CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH INSTALLATION. SEE BOOSTER PUMP NOTE 24 BELOW.
- 19. PROVIDE (2) TWO EXTRA CONTROL WIRES AND (1) EXTRA COMMON WIRE TO EACH END OF THE MAINLINE RUN (7 TOTAL). INSTALL WIRES WITH WATER PROOF SPLICES 3M PART NUMBER DBRY-6 DISTRIBUTED BY PAIGE ELECTRIC IN A 10" ROUND VALVE BOX WITH A TAN LID.
- 20. IF AVAILABLE PRESSURE EXCEEDS 80 PSI CONTRACTOR SHALL ADJUST PRESSURE AT PRESSURE REQULATOR. IF THERE IS NO PRESSURE REGULATOR CONTRACTOR SHALL INSTALL NEW PRESSURE REGULATOR AT POINT OF CONNECTION.
- 21. CONTRACTOR SHALL PROVIDE LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULE TO THE LANDSCAPE ARCHITECT AT THE TIME OF FINAL INSPECTION. SEE NOTE ON THIS SHEET.
- 22. CONTRACTOR SHALL PROVIDE IRRIGATION WATERING SCHEDULES FOR PLANT ESTABLISHMENT PERIOD. ESTABLISHED LANDSCAPING. TEMPORARILY IRRIGATED AREAS AND DIFFERENT SEASONS. IRRIGATION WATERING SCHEDULE SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT AT THE TIME OF FINAL INSPECTION. SEE NOTE ON THIS SHEET.
- 23. IRRIGATION AUDIT SHALL BE CONDUCTED BY A THIRD PARTY. SEE NOTE ON THIS SHEET.
- 24. CONTRACTOR SHALL PROVIDE A BID ALTERNATE FOR BOOSTER PUMP ASSEMBLY IF THE AVAILABLE PRESSURE IS INADEQUATE TO SUPPORT THE DESIGNED HYDRAULIC CRITERIA AT THE TIME OF CONSTRUCTION. PROVIDE BID ALTERNATE FOR EACH POINT-OF-CONNECTION. DUE TO FLUCTUATING PRESSURE A BOOSTER PUMP MIGHT BE NEEDED. PROVIDE BOOSTER PUMP SUFFICIENT ENOUGH TO INSURE THAT THE IRRIGATION SYSTEM SHALL WORK PROPERLY. SHOULD PRESSURE BE DIFFERENT THEN SHOWN ON THE PLAN CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH INSTALLATION.

### IRRIGATION SCHEDULE AND LANDSCAPE AND **IRRIGATION MAINTENANCE SCHEDULE NOTES**

Landscape Contractor shall provide the following to Landscape Architect at the time of final inspection:

- 1) An irrigation watering schedule shall be prepared for all landscape projects subject to the Water Efficient Landscape Ordinance. The schedule shall be submitted to the City prior to granting a permit of occupancy and shall include the following information: a) A description of the automatic irrigation system that will be used for the project. b) The ETo data relied on to develop the irrigation schedule, including the source of the
- data c) The time period when overhead irrigation will be scheduled and confirm that no
- overhead irrigation shall be used between 6:00 a.m. and 10:00 p.m. d) The parameters used for setting the irrigation system controller for watering times for.
- The plant establishment period
- Established landscaping
- Temporarily irrigated areas
- Different seasons during the year
- e) The consideration used for each station for the following factors:
- The days between irrigation
- Station run time in minutes for each irrigation event, designed to avoid runoff iii. Number of cycle starts required for each irrigation event, designed to avoid runoff
- iv. Amount of water to be applied on a monthly basis
- v. The root depth setting
- vi. The plant type setting
- vii. The soil type
- viii. The slope factor
- ix. The shade factor 2) A maintenance schedule for the landscaping and irrigation system shall be prepared for all landscape projects subject to the Water Efficient Landscape Ordinance. The schedule shall be submitted to the City prior to granting a permit of occupancy and
- shall include provisions for the following: a) General Landscape and Irrigation Maintenance. The schedule shall identify the
- entity that will be responsible for maintenance and shall provide for all of the general landscape and irrigation maintenance requirements.
- b) Water Efficient Landscape Maintenance. In addition to the general maintenance requirements, the maintenance schedule for landscape projects that are subject to the Water Efficient Landscape Ordinance shall include provisions to:
- c) Maintain and operate the landscaping and irrigation system on the property consistent with the MAWA.
- d) Maintain the irrigation system to meet or exceed an irrigation efficiency necessary to meet MAWA
- e) Replace broken or malfunctioning irrigation system components with components of the same materials and specifications, their equivalent or better.

Ensure that when vegetation is replaced, replacement plantings are representative of the hydrozone in which the plants were removed and are typical of the water use requirements of the plants removed, so that the replaced vegetation does not result in mixing high water use plants with low water use plants in the same hydrozone.

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MS	PROJECT DESCRIPTION:	SHEET TITLE:	SHEET:
E RT 24/2022 CTC : SED:	CALEXICO INTERMODAL TRANSIT CENTER	IRRIGATION LEGENDS AND NOTES	72 OF 143

# LEGEND

SYMBOL	DESCRIPTION
	HYDROZONE 1 Plant Material - Ornamental drought tolarent/low water use plants Plant Coefficient ( <i>PF</i> ) - 0.3 Annual Yearly Evapotranspiration ( <i>ETo</i> ) - 84.2 Landscape Area ( <i>HA</i> ) - 2,279 Sq. Ft. Irrigation Type - MP Rotators Irrigation Efficiency ( <i>IE</i> ) - 0.75
	HYDROZONE 2 Plant Material - Ornamental drought tolarent/low water use plants Plant Coefficient <i>(PF)</i> - 0.3 Annual Yearly Evapotranspiration <i>(ETo)</i> - 84.2 Landscape Area <i>(HA)</i> - 6,993 Sq. Ft. Irrigation Type - Bubbler Irrigation Efficiency <i>(IE)</i> - 0.85

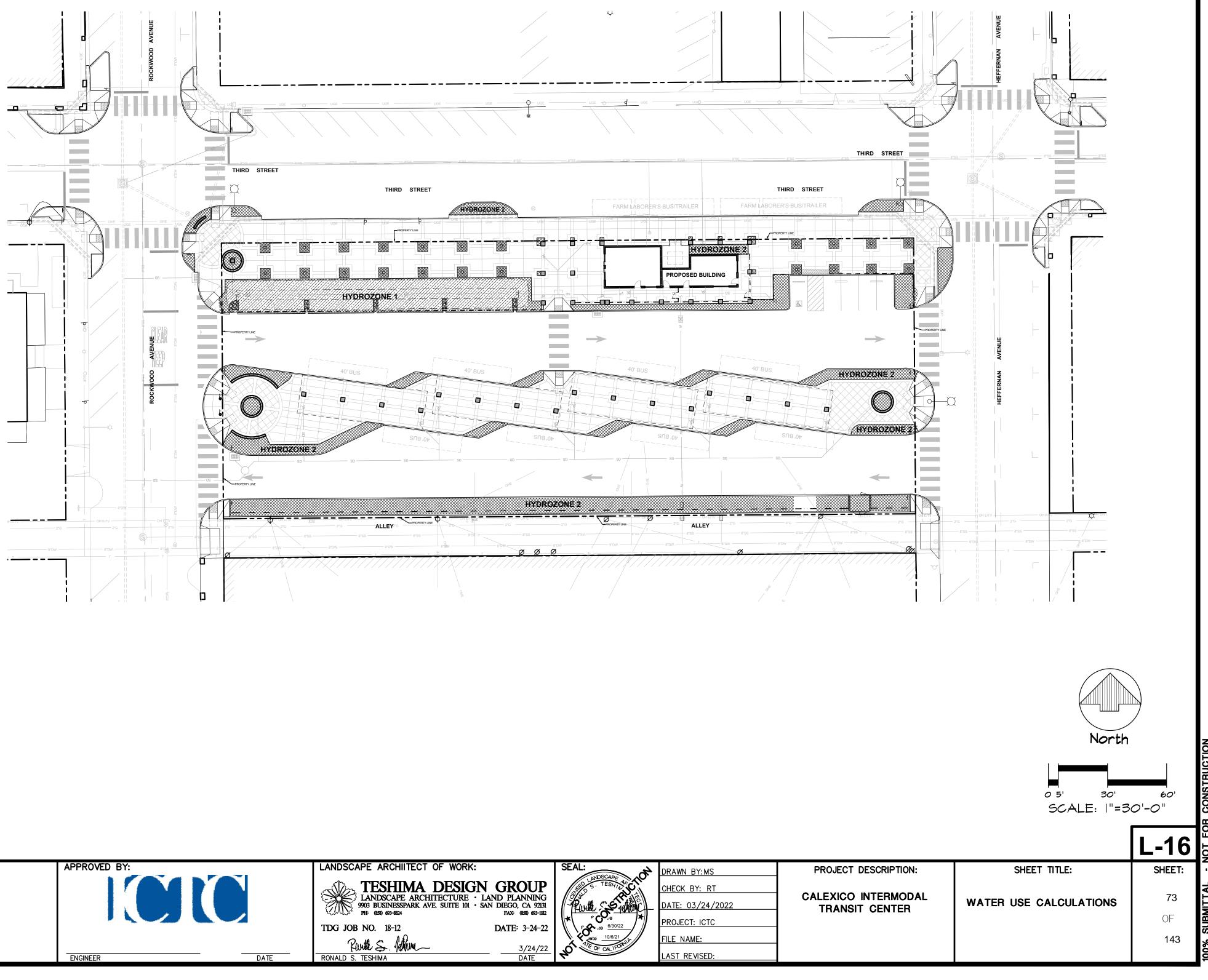
# WATER USE CALCULATIONS MAXIMUM APPLIED WATER ALLOWANCE **CALCULATION - MAWA** MAWA = (ETo)(0.62)[(0.45)(LA) + (0.45)(SLA)]MAWA = (84.2)(0.62)[(0.45)(9,272) + (0.45)(0)]MAWA = 483,998 Gallons per Year MAWA = 483,998 / 748 = 647 HCF (Hundred-Cubic-Feet Per Year) **ESTIMATED TOTAL WATER USE CALCULATION - ETWU HYDROZONE 1** ETWU = (ETo)(0.62)[(PF x HA / IE + (SLA)] ETWU = (84.2)(0.62)[(0.3 x 2,279 / 0.75 + (0)] ETWU = 47,585 Gallons per Year ETWU = 47,585 / 748 = 64 HCF (Hundred-Cubic-Feet Per Year) **HYDROZONE 2** ETWU = (ETo)(0.62)[(PF x HA / IE + (SLA)] $ETWU = (84.2)(0.62)[(0.3 \times 6,993 / 0.85 + (0)]]$ ETWU = 128,835 Gallons per Year ETWU = 128,835 / 748 = 172 HCF (Hundred-Cubic-Feet Per Year) TOTAL FOR ALL HYDROZONES ETWU = HYDROZONE 1 + HYDROZONE 2*ETWU* = 47,585 + 128,835 ETWU = 176,420 Gallons per Year ETWU = 176,420 / 748 = 236 HCF (Hundred-Cubic-Feet Per Year) CONCLUSION The ETWU (176,420 gallons per year) is less than MAWA (483,998 gallons per year). The water budget for Calexico Transit Center complies with MAWA.

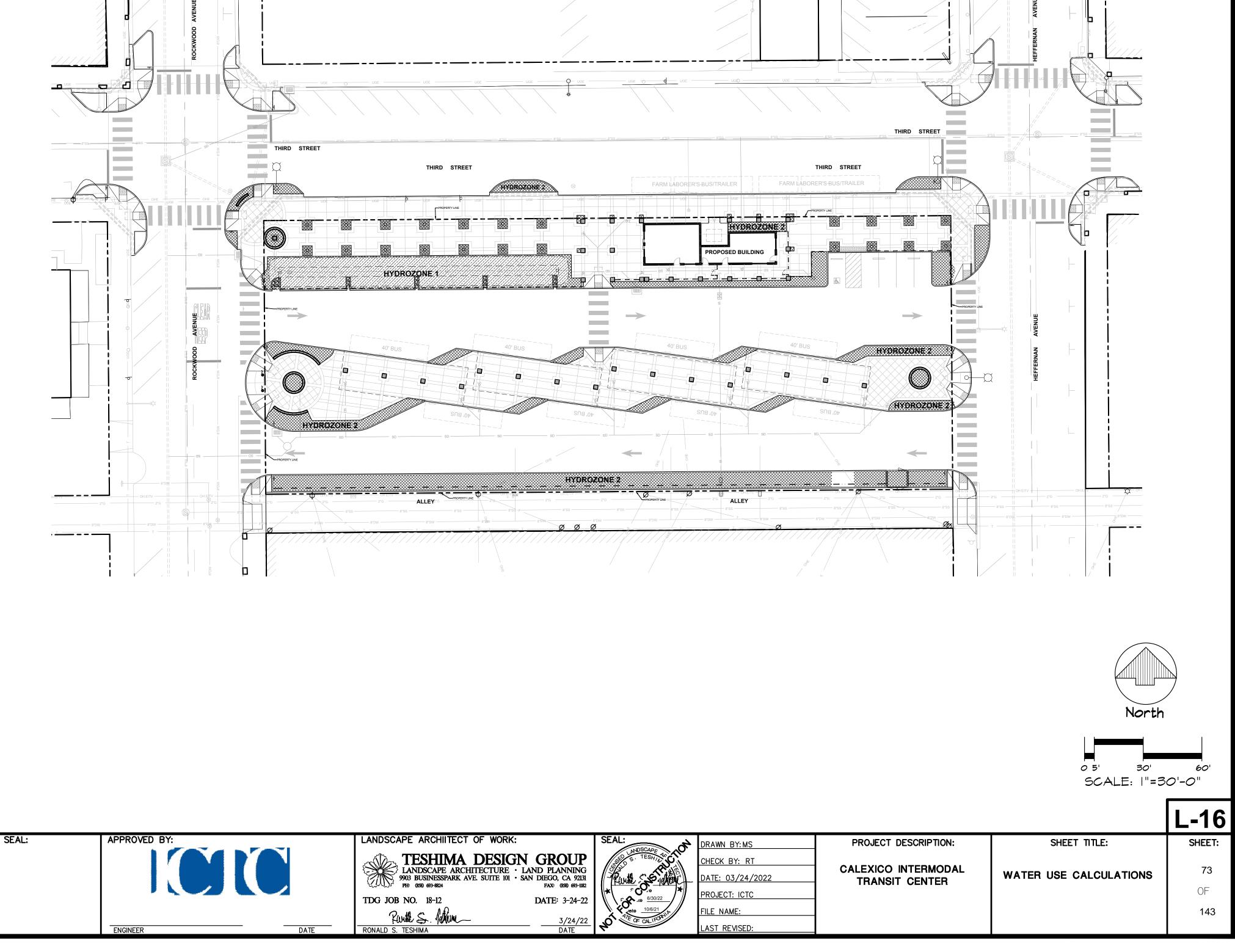
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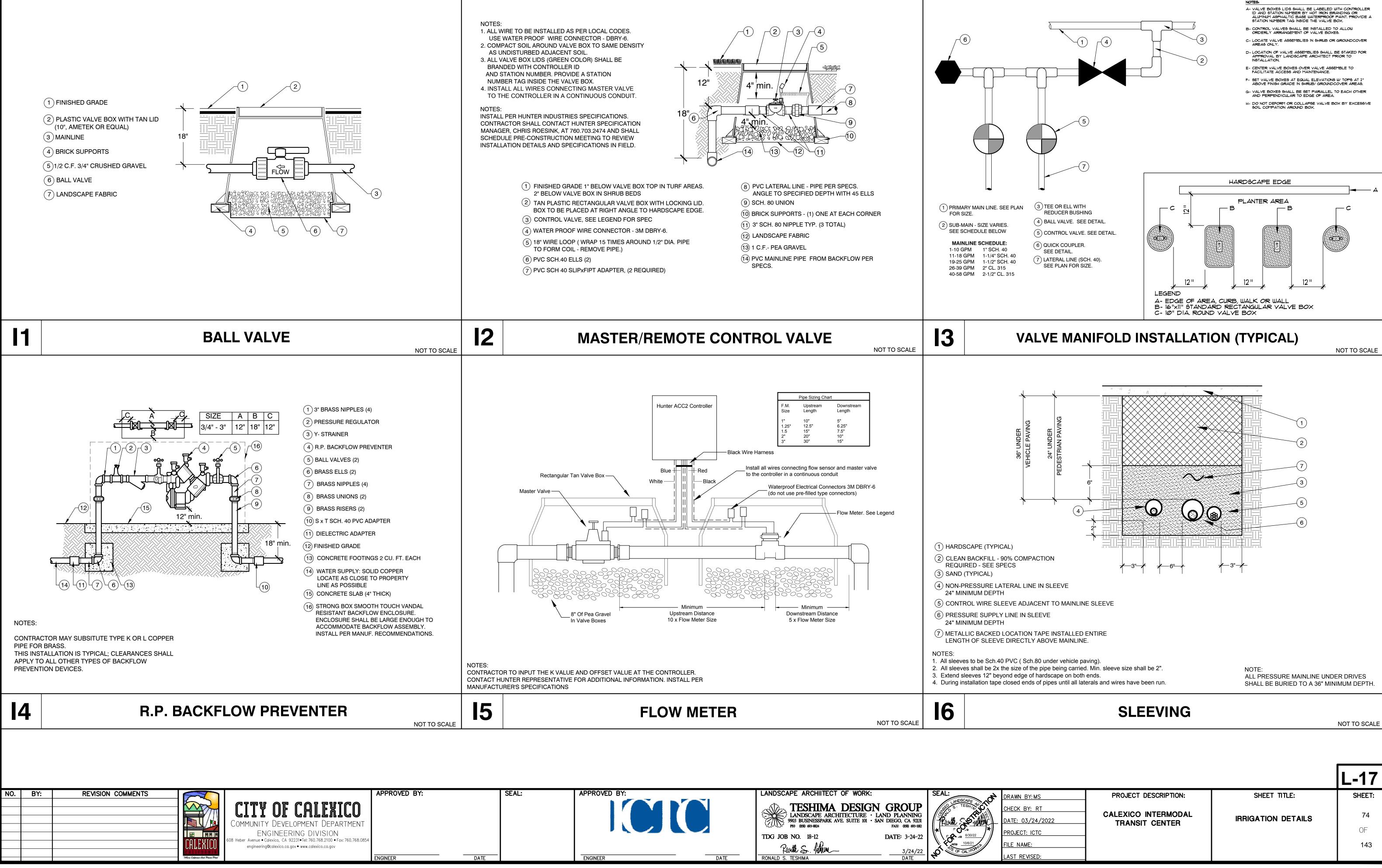




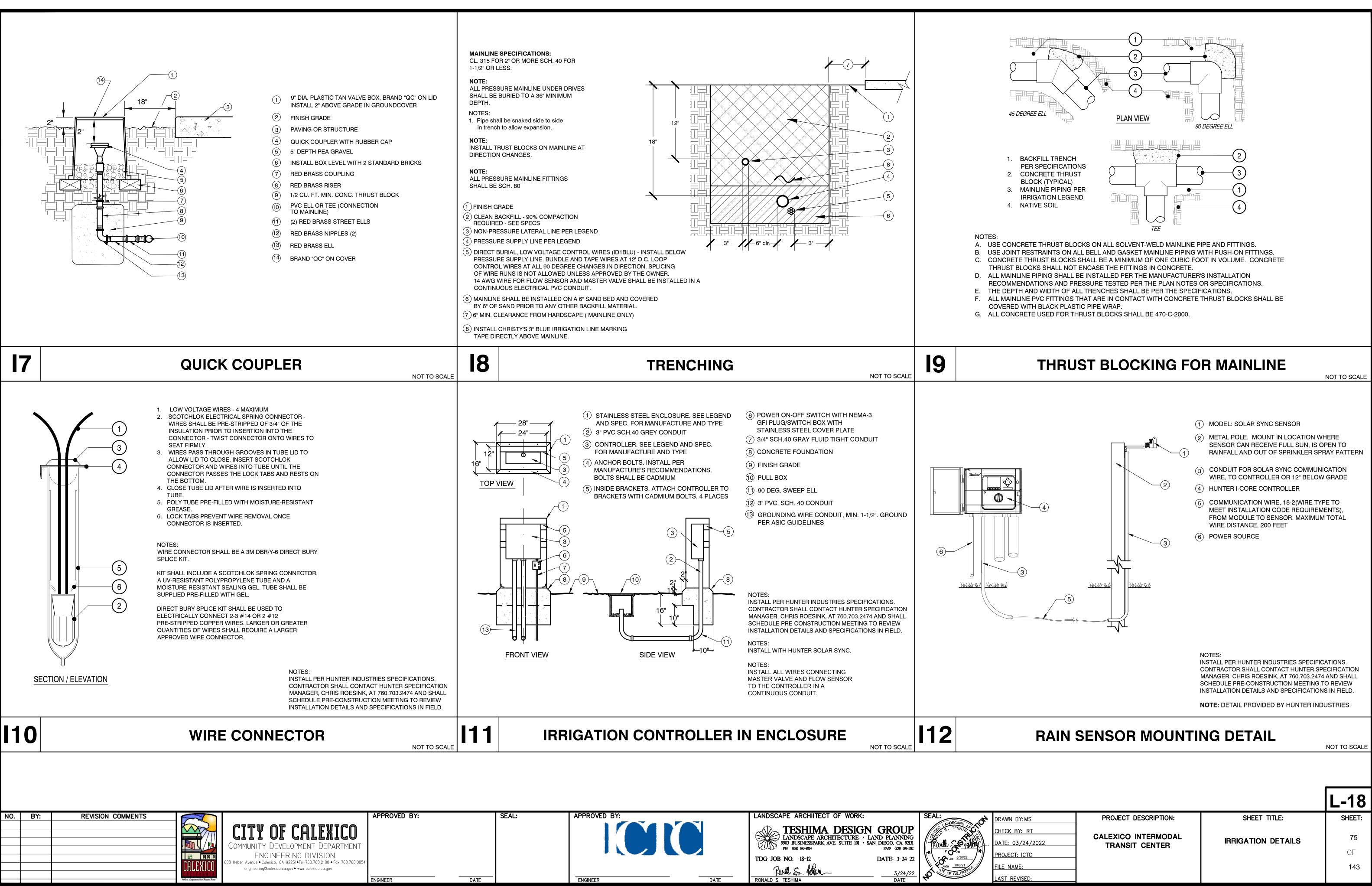
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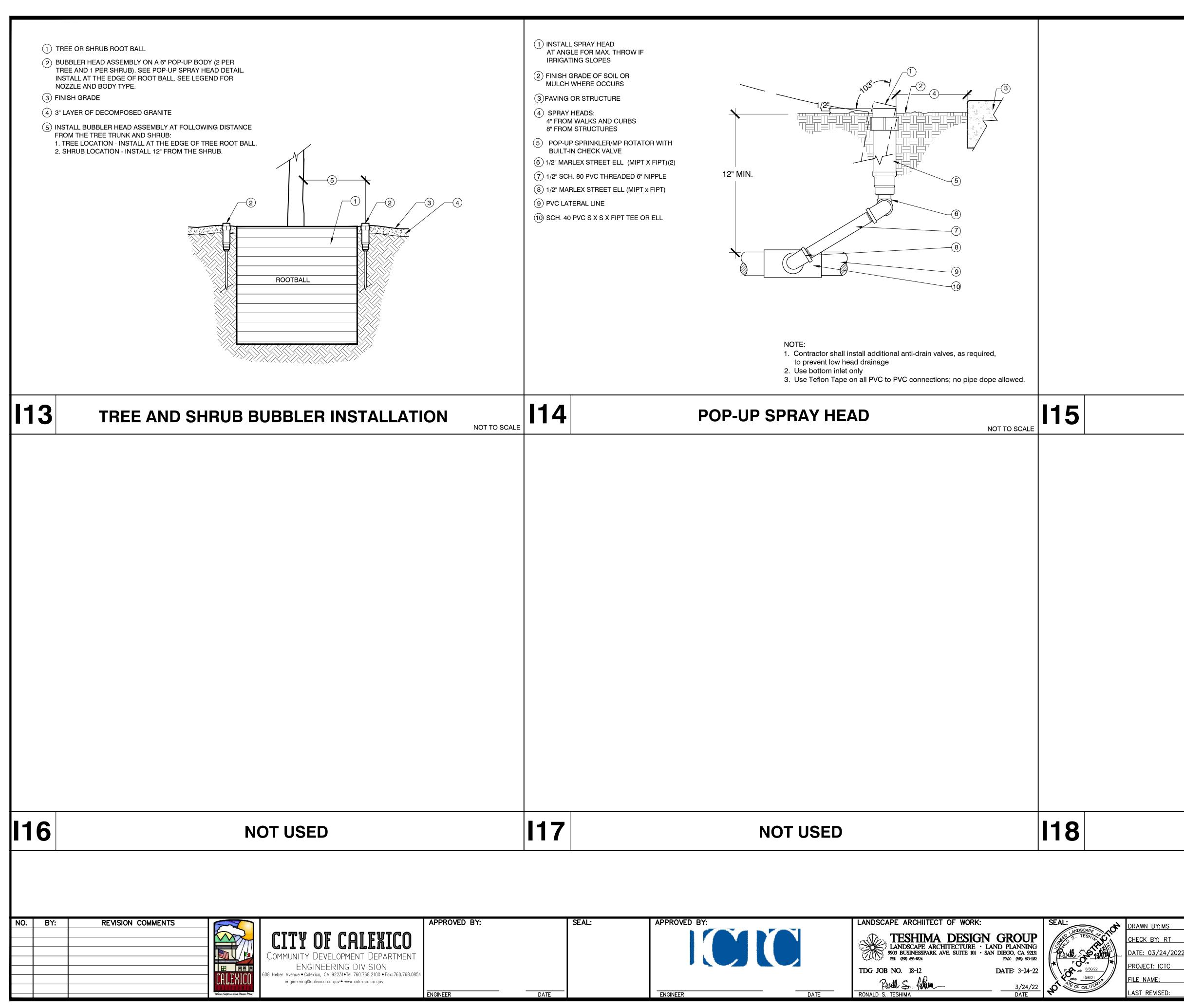






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PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

**IRRIGATION DETAILS** 

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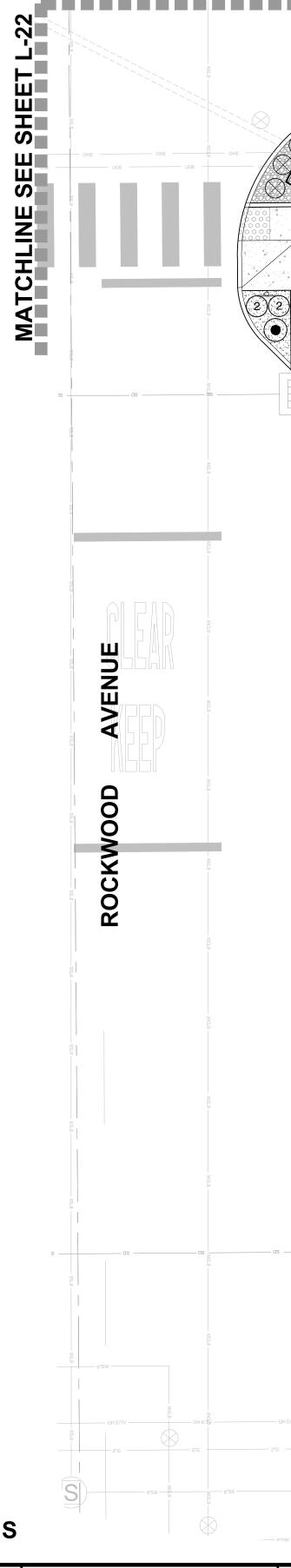
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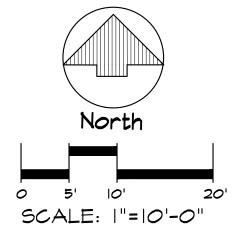
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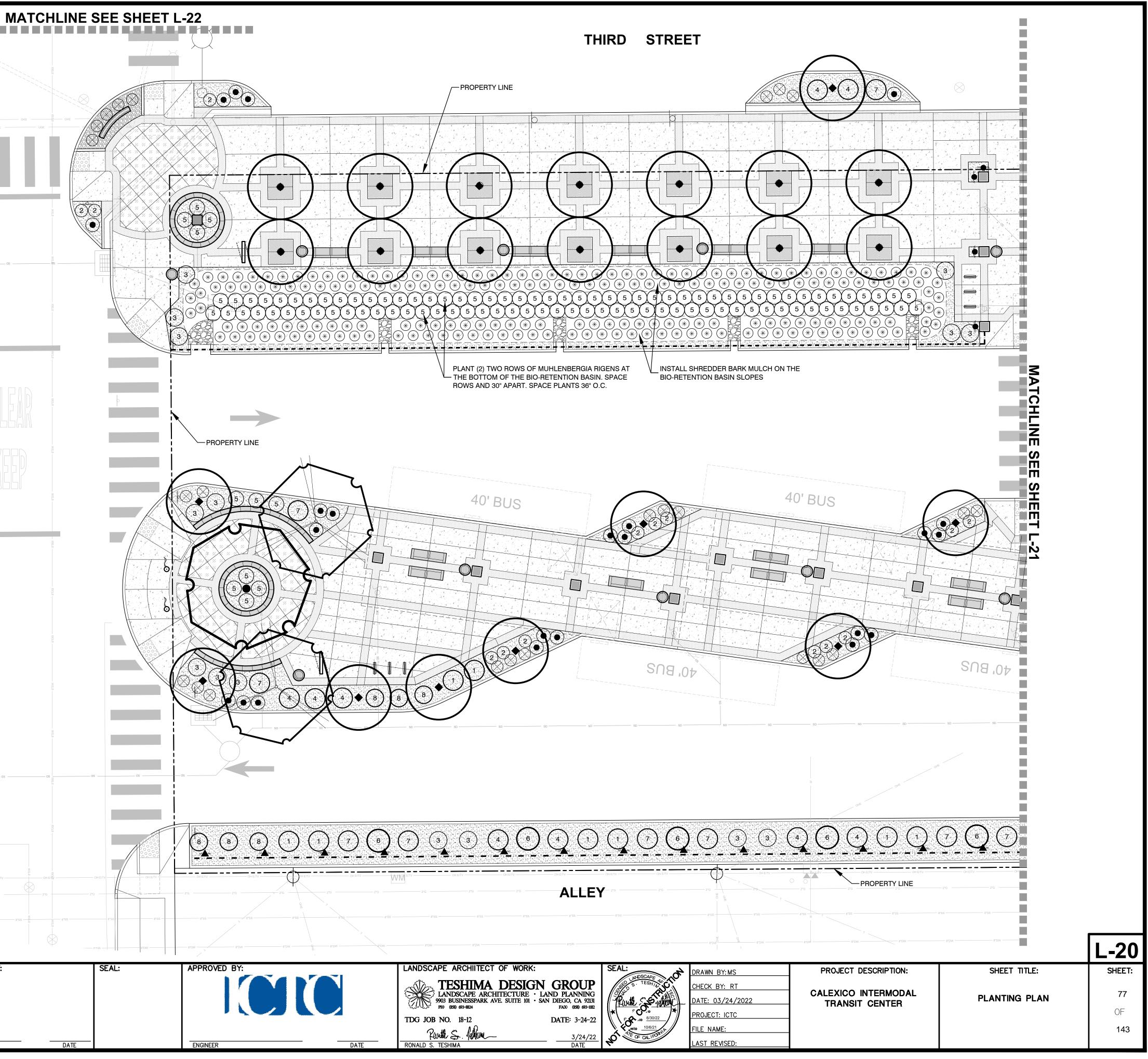
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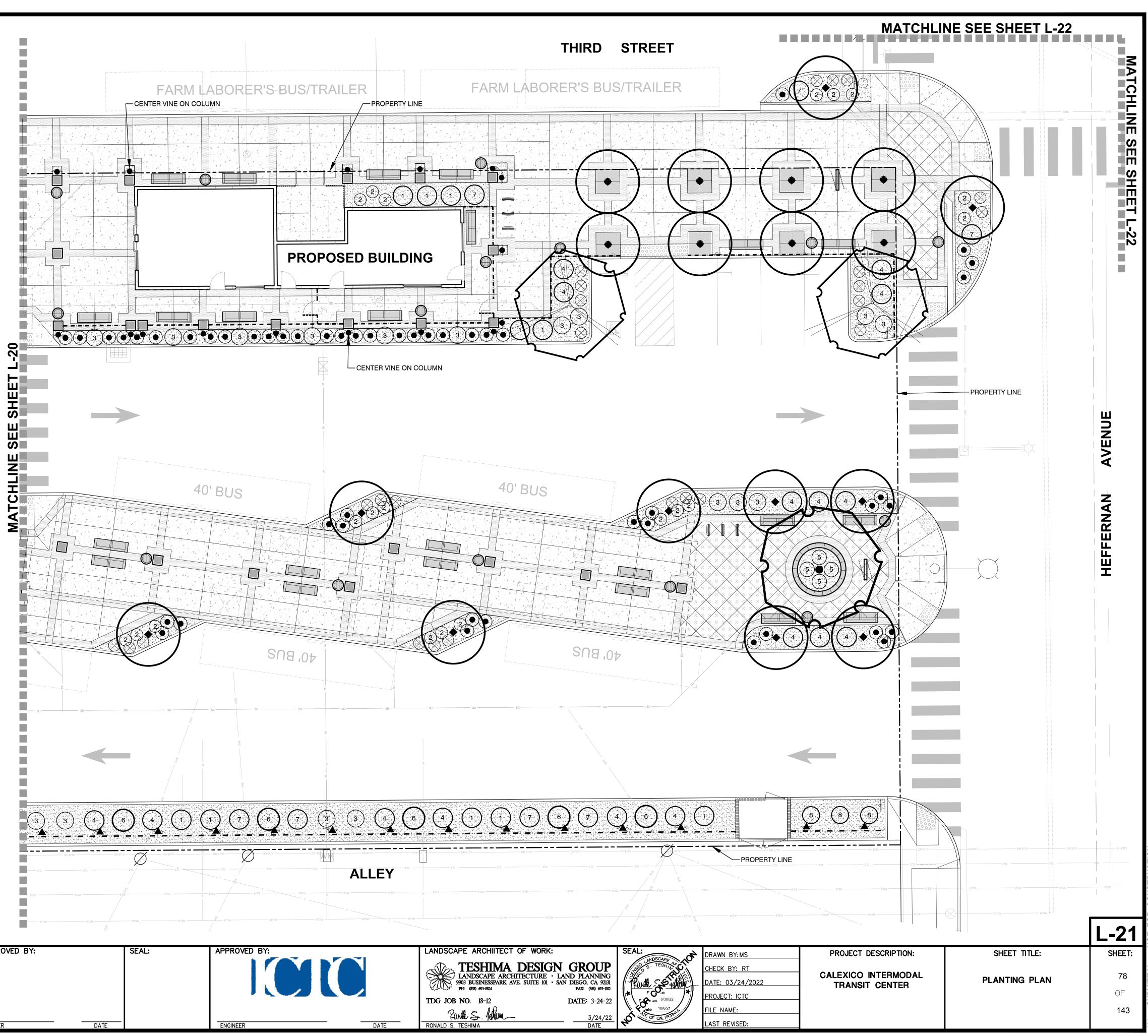
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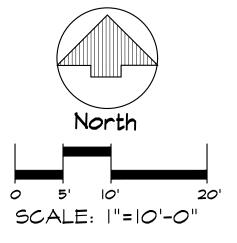




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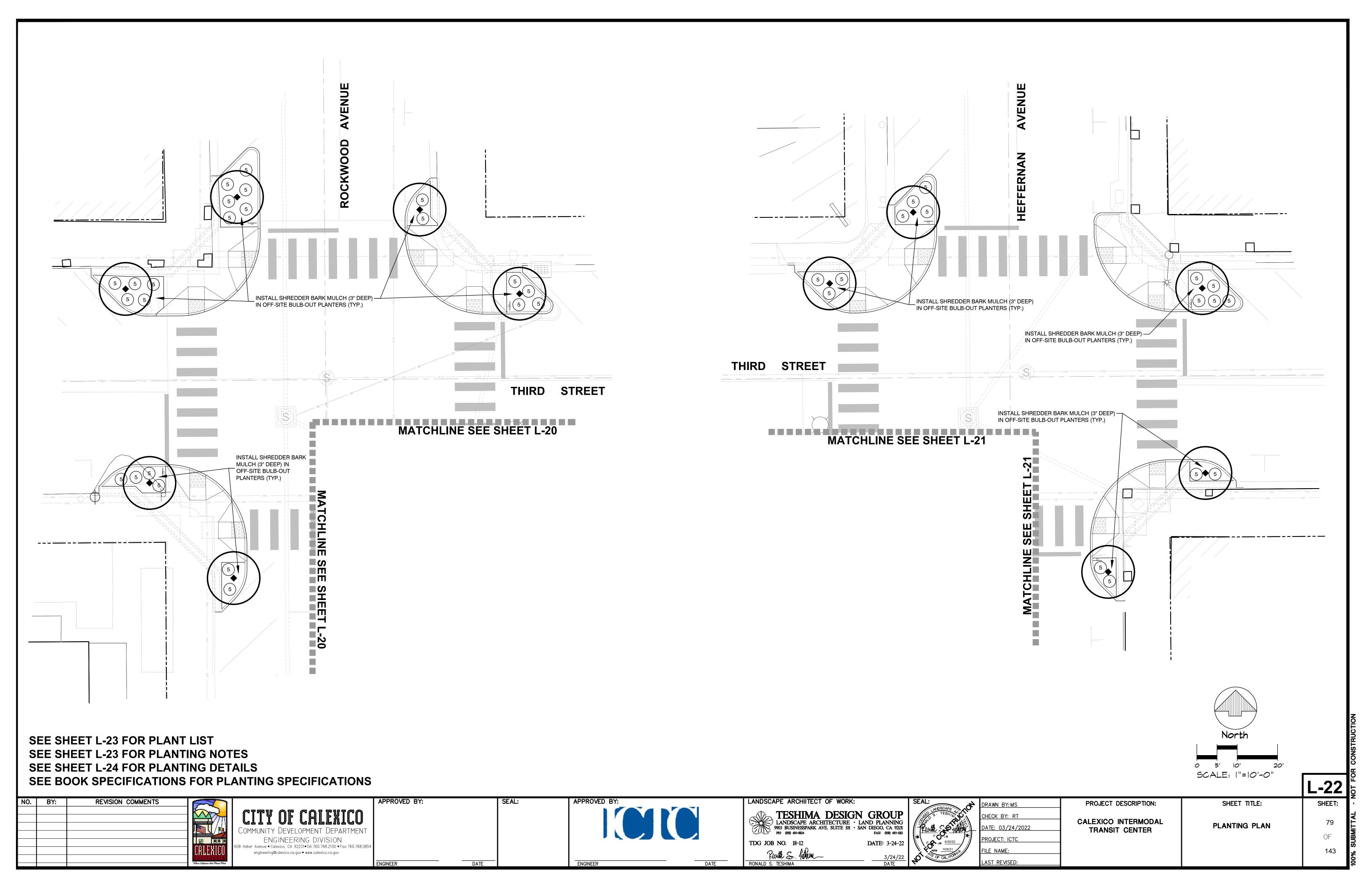
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APPROVED BY:	
ENGINEER	DATE



### **PLANTING NOTES**

- 1. CONTRACTOR SHALL HAVE A THOROUGH STANDARD SOIL TEST PERFORMED IN THREE DIFFERENT LOCATIONS ON THE SITE AND COMPLETED BY A HELENA AGRI-ENTERPRISES. LLC (CONTACT ANDREW NICKUS AT 760-550-1102) OR EQUIVALENT PRE-APPROVED BY THE CITY INSPECTOR PRIOR TO AND AFTER LEACHING OF SALTS AND PRIOR TO ANY PLANTING OF PLANT MATERIAL. THE SOILS TEST SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TESTING OF SOIL SALT LEVELS, NUTRIENT LEVELS, AND SOIL PERCOLATION. SOIL TEST RESULTS SHALL BE APPROVED BY THE CITY INSPECTOR PRIOR TO AMENDING THE SOIL. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AMENDMENTS AND FERTILIZERS AT THE LEVEL INDICATED IN THE SOILS TEST REPORT. CONTRACTOR TO PROVIDE A COPY OF THE SOIL TEST AND AMENDMENTS TO LANDSCAPE ARCHITECT.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCING LANDSCAPE INSTALLATION.
- 3. ALL LANDSCAPE AND IRRIGATION INSTALLATION SHALL CONFORM AND FULLY COMPLY WITH THE CITY OF CALEXICO STANDARDS.
- ALL LANDSCAPING SHALL BE INSTALLED PRIOR TO OCCUPANCY.
- 5. ALL PLACEMENT OF PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- 6. ROOT BARRIERS SHALL BE INSTALLED WITH ALL TREES THAT ARE WITHIN FIVE (5) FEET OF ANY HARDSCAPE, INSTALL ROOT BARRIERS ADJACENT, AND PARALLEL TO, EDGE OF HARDSCAPE, BARRIERS SHALL BE FIVE (5) FEET IN LENGTH MINIMUM ON EACH SIDE OF TREE AND 19.5" DEEP. ROOT BARRIERS WILL NOT BE WRAPPED AROUND THE ROOTBALL. ROOT BARRIER SHALL BE **BIO-BARRIER**.
- 7. CONTRACTOR TO INSTALL 3" OF DECOMPOSED GRANITE IN ALL LANDSCAPE AREAS EXCEPT BIO-RETENTION AREA. INSTALL CRUSHED ROCK ADJACENT TO SIGNAGE MONUMENT. SEE HARDSCAPE PLAN. INSTALL 3" ON SHREDDED BARK MULCH IN THE BIO-RETENTION AREA AND OFF-SITE BULB OUT PLANTERS.
- 8. ALL PLANT MATERIAL SHALL BE APPROVED AT THE PROJECT SITE BY THE LANDSCAPE ARCHITECT PRIOR TO ANY PLANTING. ALL PLANT MATERIAL REJECTED BY THE CITY OR LANDSCAPE ARCHITECT SHALL BE REMOVED FROM THE PROJECT SITE AT NO ADDITIONAL COST AND REPLACED.
- 9. SUBMIT PHOTOGRAPHS OF TYPICAL TREE FOR EACH VARIETY AND SIZE, TO BE PROVIDED UNDER THIS CONTRACT FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE PROJECT SITE.
- 10. ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. THIS MAY BE DONE EITHER AT THE SITE OR AT THE NURSERY. CONTRACTOR SHALL PAY FOR THE LANDSCAPE ARCHITECT'S TIME AND MILEAGE FOR ALL NURSERY VISITS.
- 11. ALL PLANT SIZES ARE MINIMUMS. SIZES ARE TYPICAL FOR EACH PLANT SPECIES. ALL PLANTS ARE TO BE FREE OF DISEASE AND SCARS, AND TO HAVE GOOD COLOR, FULL HEADS AND GOOD CALIPER (15 GALLON - 3/4" MINIMUM, 24" BOX - 1 1/4" MINIMUM. 36" BOX - 2" MINIMUM.
- 12. PRIOR TO PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS SHALL BE FULLY WATERED IMMEDIATELY AFTER PLANTING.
- 13. PRIOR TO PLANTING, ALL PLANTING AREAS SHALL BE FREE OF WEEDS, ROCKS AND DEBRIS, RAKE AND FINE GRADE ALL PLANTING AREAS PRIOR TO PLANTING. APPLY PRE-EMERGENT HERBICIDE IN ALL AREAS PRIOR TO SPREADING MULCH. SEE WEED ABATEMENT PROGRAM.
- 14. UPON COMPLETION OF PLANTING OPERATIONS AND BEFORE ANY SITE OBSERVATIONS, REMOVE ALL EXTRANEOUS MATERIAL AND DEBRIS. AND BROOM AND WASH THE AREA CLEAN.
- 15. LONG TERM MAINTENANCE OF THIS PROJECT SHALL BE PROVIDED BY THE CITY.
- 16. ALL PLANTS MUST BE CONTAINER GROWN AS INDICATED IN THE PLANT LIST.
- 17. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- 18 ALL TREES MUST BE STAKED AS SHOWN IN THE DETAILS.
- 19. PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS **BEFORE PRICING THE WORK.**
- 21. CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
- 22. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS FOR THE PERIOD OF TIME SHOWN IN SITEWORK SPECIFICATIONS.

- CONSTRUCTION PERIOD.

- LANDSCAPE INSTALLATION.
- DRAINAGE SYSTEM.

Above mixture may be used at rates from 3% to 10% volume to volume in water Use the lower rates for tank mixing with glyphosate and medium rates when applying alone to weeds less than 6 inches in height. Apply above mixture at the higher rates for weeds greater than 6 inches in height.

Use a backpack or handheld sprayer or a conventional spray rig. Be sure to thoroughly cover all of the target plants' foliage. Three applications minimum 4 to 5 days apart. Timing:

# **SEE SHEET L-24 FOR PLANTING DETAILS** SEE BOOK SPECIFICATIONS FOR PLANTING SPECIFICATIONS

NO.	BY:	REVISION COMMENTS	CALEXICO	<b>CITY OF CALEXICO</b> COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	APPROVED BY:	SEAL:	APPROVED BY:
			"Where California Goul Mexico Maet"		ENGINEER DATE		ENGINEER DATE

23. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED IN THE SITEWORK SPECIFICATIONS BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.

24. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES. QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.

25. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE

26. DURING THE GROWING SEASON ALL ANNUALS SHALL REMAIN IN A HEALTHY, VITAL CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.

27. ALL PLANT MATERIALS QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.

28. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCING

29. THE CONTRACTOR SHALL FINE GRADE ALL PLANTING AREAS, FILLING AS NEEDED OR REMOVING SURPLUS DIRT, REMOVING ROCKS AND DEBRIS OVER 1/2 INCH IN DIAMETER, AND FLOATING TO SMOOTH AND UNIFORM GRADE. ALL AREAS SHALL SLOPE TO DRAIN. ALL SLOPES SHALL BE GRADED TO ELIMINATE WATER AND SOIL RUNOFF ONTO SIDEWALKS AND HARDSCAPE. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE SURFACE DRAINAGE (2% GRADE) AWAY FROM STRUCTURES AND TERMINATING IN AN APPROVED

30. MANY OF THE SELECTED TREES, SHRUBS AND GROUNDCOVERS ARE AVAILABLE FROM MOUNTAIN STATES WHOLESALE NURSERY (MSWN) LOCATED IN PHOENIX, AZ. CONTACT WENDY AT 760-539-7099. ALL PLANTS COMING TO CALIFORNIA FROM OTHER STATE WILL REQUIRE AN AGRICULTURAL INSPECTION WHICH IS THE CONTRACTOR'S RESPONSIBILITY. WENDY CAN HELP THE CONTRACTOR WITH THE INSPECTIONS IF NEEDED.

31. ALL PLANTS FOR THIS PROJECT SHALL COME FROM NURSERIES LOCATED IN THE SAME CLIMATE ZONE AS CITY OF CALEXICO. CONTRACTOR SHALL PROVIDE NAME AND LOCATION OF THE NURSERY WITH THE PLANT PHOTO SUBMITTALS FOR APPROVAL BY LANDSCAPE ARCHITECT

# WEED ABATEMENT PROGRAM

Ingredients

1. 50% Fusalade II 2. 50% Glyphosate (Roundup)

### Preparation:

Fill the spray tank with the required amount of water, then add above mixture.

Agitate thoroughly at mixing and re-agitate occasionally during use.

### Rates:

### **Application:**

For fastest kill, apply on a warm, sunny, day, Do not apply during windy conditions that could carry spray to desirable vegetation in nearby locations.

> LANDSCAPE ARCHIITECT OF WORK: TESHIMA DESIGN GRO TESHIMA DESIGN GRO 9903 BUSINESSPARK AVE. SUITE 101 · SAN DIEGO, C PH: (858) 693-8824 TDG JOB NO. 18-12 DATE: Paulle S. Altim\_ RONALD S. TESHIMA

<b>FREES</b>	
CODE	BOTANICAL NAME
$\bigcirc$	Prosopis 'Phoenix'
$\bigcirc$	Parkinsonia 'Desert Museum'

NOTE: ALL TREES LOCATED WITHIN 5 FEET OF ANY HARDSCAPE SHALL BE INSTALLED WITH ROOT BARRIER. ROOT BARRIER SHALL BE BIO-BARRIER. SEE DETAIL P3 ON SHEET L-24.

### PALMS

CODE	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES
$   \bullet $	Washingtonia robusta	Mexican Fan Palm	52	25'-30' B.T.H	All palms shall have equal height and straight trunk at the time of installation. All palms shall be skinned. Contractor shall submit photos. See Detail P5, Sheet L-24.

### SHRUBS

CODE	BOTANICAL NAME
1	Leucophyllum frutescens 'Compacta'
2	Pennisetum setaceum 'Rubrum'
3	Hesperaloe parviflora
4	Senna artemisiodes
5	Muhlenbergia rigens
6	Yucca rostrata
7	Agave vilmoriniana
8	Nerium oleander 'Petite Pink'

### VINES

CODE	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES
~	Bougainvillea 'San Diego Red'	Bougainvillea	20	5 Gallon	Remove from nursery stake and attach to wall. See Detail P4, Sheet L-24.
~ <b>^</b>	Callaeum macroptera	Feathery Cassia	28	5 Gallon	Remove from nursery stake and attach to Greenscreen. See Detail P4, Sheet L-24.

### **GROUND COVER**

CODE	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES
*	Dalea capitata 'Sierra Gold'	NCN	194	1 Gallon	Plant at 24" O.C. See Detail P1,
					Sheet L-24.
$\otimes$	Lantana 'Yellow Gold'	Yellow Lantana	49	5 Gallon	Plant at 36" O.C. See Detail P1,
$\bigcirc$					Sheet L-24.
	Carrisa macrocarpa 'Green Carpet'	Natal Plum	71	5 Gallon	Plant at 30" O.C. See Detail P1,
			' '		Sheet L-24.

### NOTES:

- SUBMITTALS FOR APPROVAL BY LANDSCAPE ARCHITECT.

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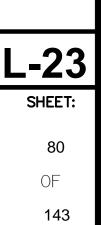
# **PLANT LIST**

COMMON NAME	QTY	SIZE	NOTES
Mesquite	2	48" Box	Multi-Trunk. Full heads, straight trunks and matching. Must submit photos for approval. Trees are available from MSWN. Install Drainage and Double Stake per Detail P2, Sheet L-24. See Details P1 and P3, Sheet L-24. See additional notes below.
Palo Verde	4	36" Box	Multi-Trunk. Full heads, straight trunks and matching. Must submit photos for approval. Trees are available from MSWN. Install Drainage and Double Stake per Detail P2, Sheet L-24. See Details P1 and P3, Sheet L-24. See additional notes below.

COMMON NAME	QTY	SIZE	NOTES
Compact Texas Ranger	18	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Purple Fountain Grass	34	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Red Yucca	32	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Feathery Cassia	25	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Deer Grass	149	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Beaked Yucca	10	15 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Octopus Agave	16	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.
Dwarf Oleander	9	5 Gallon	Full and bushy. See Detail P1, Sheet L-24. See additional notes below.

1. MANY OF THE ABOVE LISTED TREES, SHRUBS AND GROUNDCOVERS ARE AVAILABLE FROM MOUNTAIN STATES WHOLESALE NURSERY (MSWN) LOCATED IN PHOENIX, AZ. CONTACT WENDY AT 760-539-7099. ALL PLANTS COMING TO CALIFORNIA FROM OTHER STATE WILL REQUIRE AN AGRICULTURAL INSPECTION WHICH IS THE CONTRACTOR'S RESPONSIBILITY. WENDY CAN HELP THE CONTRACTOR WITH THE INSPECTIONS IF NEEDED

2. ALL PLANTS FOR THIS PROJECT SHALL COME FROM NURSERIES LOCATED IN THE SAME CLIMATE ZONE AS CITY OF CALEXICO. CONTRACTOR SHALL PROVIDE NAME AND LOCATION OF THE NURSERY WITH THE PLANT PHOTO

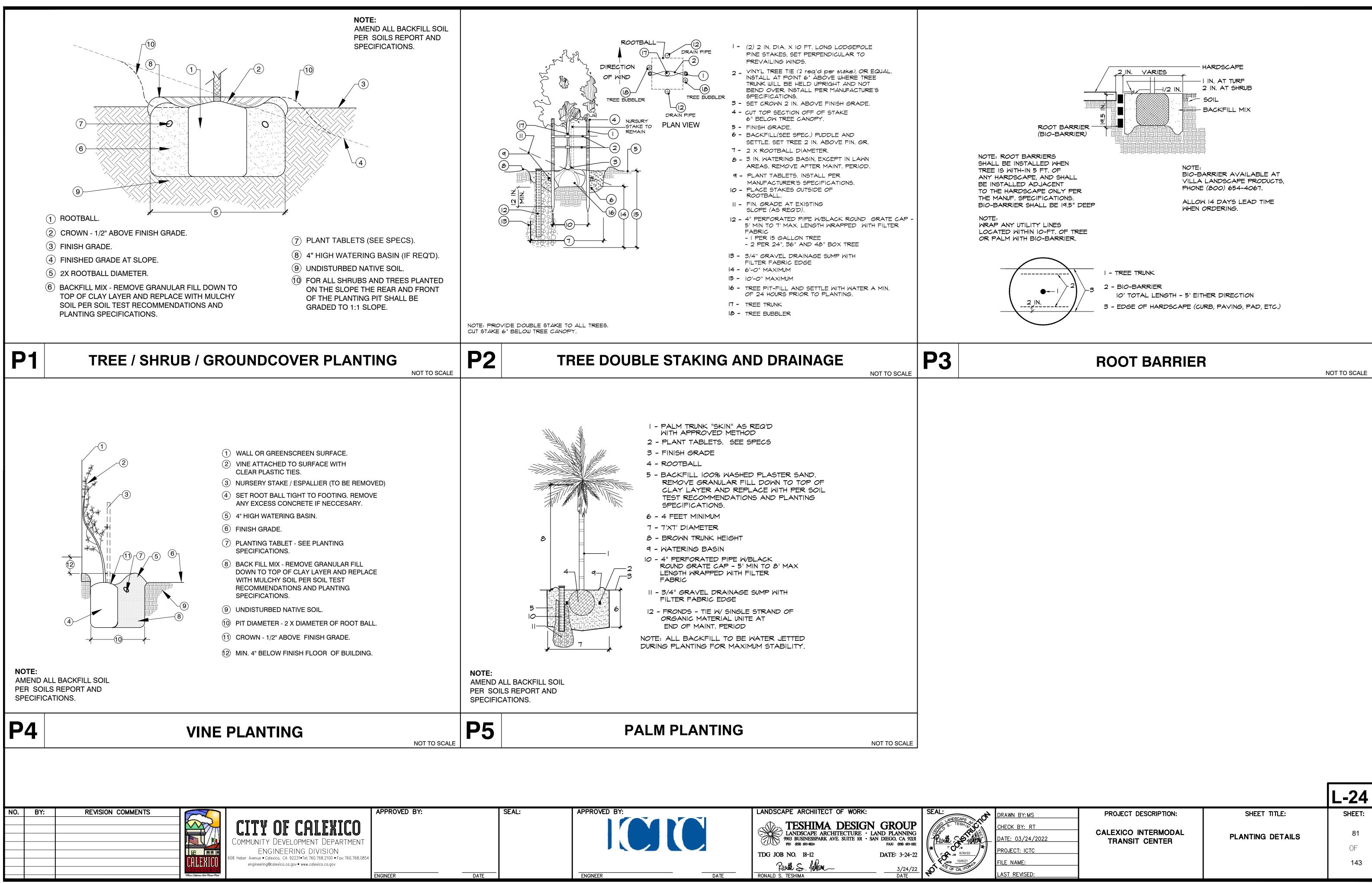


SHEET TITLE: NOTES

CALEXICO INTERMODAL TRANSIT CENTER

**PROJECT DESCRIPTION:** 

PLANT LIST AND PLANTING



NOT TO SCALE

/:MS	
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/24/2022	
ICTC	

## **GENERAL NOTES:**

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NO.

BY:

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

# STRUCTURAL DESIGN CRITERIA:

- 1. CODES:
  - ALL WORK SHALL BE IN CONFORMANCE WITH THE BUILDING CODE (CBC) 2019 EDITION, INCLUDING A ALL STANDARDS USED SHALL BE THE LATEST VER BY THE CODE ENFORCEMENT AGENCY ON THE DA ISSUANCE UNLESS SPECIFICALLY NOTED OTHERW
- 2. DESIGN LIVE LOAD

	LOAD
ROOF	20 PSF (REDUCIBLE)

- 3. WIND DESIGN INFORMATION RISK CATEGORY = II Kz = 0.85 Kd = 0.85 Kzt = BASIC WIND SPEED Vfm = 100 MPH (3 SEC GUST) EXP INTERNAL PRESSURE COEFF. = +/- 0.18
- 4. SEISMIC DESIGN INFORMATION RISK CATEGORY = II SITE || = 1.0 $|S_S = 1.5|$  |S1 = 0.6| |SDS = 1.0| |SD1 = 0.68|SEISMIC DESIGN CATEGORY = D ANALYSIS PROCEDURE = EQUIV. LATERAL FORCE PROCEDURE HORIZONTAL IRREGULARITIES = N/A VERTICAL IRREGULARITIES = N/A SLRS : A7: SPECIAL REINF. MASONRY SHEAR WALLS |Rho = 1.0| |R = 5| |Cd = 3.5|  $|\Omega = 2.5|$  |Cs = 0.2| |Vb1 = 46.7k|SLRS : ALL OTHER SELF-SUPPORTING STRUCTURE Rho = 1.3 R = 1.25 Cd = 2.5  $\Omega$  = 2 Cs =

# **EXISTING UNDERGROUND UTILITY NOTES:**

- 1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

## **CONTRACTOR RESPONSIBILITY NOTE:**

- 1. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN LATERAL-FORCE-RESISTING SYSTEM. DESIGNATED ON PLANS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF **RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:**
- A. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS.
- B. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
- D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

## STRUCTURAL OBSERVATIONS:

- 1. VISUAL OBSERVATIONS WILL BE PERFORMED AT THE DISCRETION OF THE OWNER. ARCHITECT, SEOR, AND AS REQUIRED BY THE BUILDING OFFICIAL IN ACCORDANCE WITH THE BUILDING CODE.
- 2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY THE STRUCTURAL ENGINEER AS TO WHEN EACH MAJOR PHASE OF CONSTRUCTION IS READY FOR OBSERVATION A MINIMUM OF FIVE (5) WORKING DAYS IN ADVANCE.
- 3. THE FOLLOWING MAJOR PHASES OF CONSTRUCTION REQUIRE A SITE VISIT AND STRUCTURAL OBSERVATION REPORT FROM THE SEOR:
- FOUNDATION REBAR AND ANCHORS PRIOR TO POUR OF CONCRETE
- STRUCTURAL FRAMING AFTER ERECTION AND PRIOR TO CLOSING IN
- RAISED FLOOR SLABS AND REBAR PRIOR TO POUR OF CONCRETE
- COMPLETION OF THE STRUCTURAL SYSTEM
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NAILING, REINFORCEMENT, WELDS, CONNECTIONS, ETC. ARE VISIBLE FOR OBSERVATION WHEN THE SEOR IS ON SITE AND FOR ANY SCHEDULING DELAYS DUE TO NONCOMPLIANT ITEMS FOUND DURING THE OBSERVATION.

REVISION COMMENTS	CITTY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231• Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	APPROVED BY:	SEAL:
Where California And Waxie	That	ENGINEER   DATE	

# SHEET LIST

# **TYPICAL ABBREVIATIONS**

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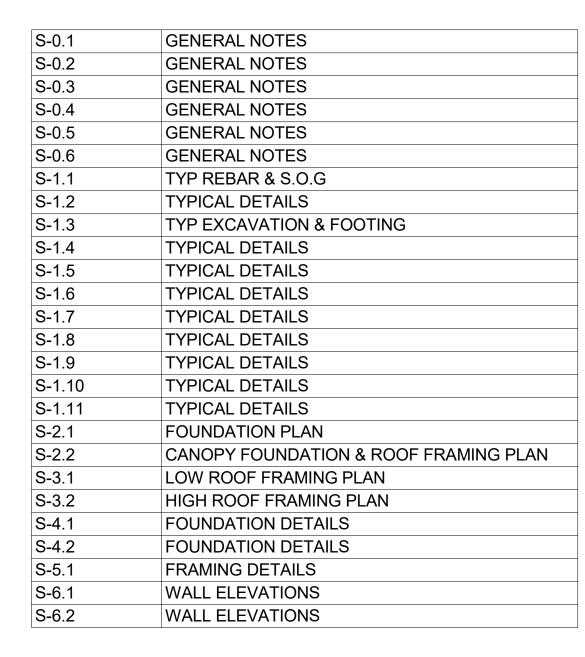
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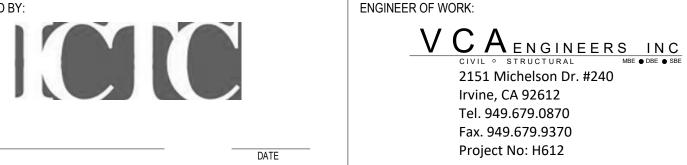
= 0.8	Vb2 = 11.3k (HIGH CANOPY)
	Vb3 = 14k (TRELLIS)
	Vb4 = 20.5k (BUS CANOPY)

APPROVED BY:

ENGINEER



A.B.		JST	
ABV ADDT'L	ABOVE ADDITIONAL	KLF KSL	KIPS PER LINEAR FOOT KIPS PER SQUARE FOOT
ADDTL ADJ	ADJACENT	KSL	KIPS PER SQUARE FOUT
ADJ A.F.F.	ABOVE FINISH FLOOR	L	ANGLE
ALT	ALTERNATE	LBS	POUND
ARCH	ARCHITECT(URAL)	LFRS	LATERAL FORCE
A.T.R.	ALL THREADED ROD	Linto	RESISTING SYSTEM
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLK'G	BLOCKING	LLV	LONG LEG VERTICAL
BLW	BELOW	LONG.	LONGITUDINAL
BM	BEAM	LP	LOW POINT
BN	BOUNDARY NAILING	LWC	LIGHTWEIGHT CONCRETE
В.О.	BOTTOM OF	MAX	MAXIMUM
BOTT	BOTTOM	M.B.	MACHINE BOLT
BRG	BEARING	MECH	MECHANICAL
B.S.	BOTH SIDES	MFR	MANUFACTURER
BTWN	BETWEEN	MIN	MINIMUM
		MTL	METAL
C.I.P. CJ		(N)	
CJ	CONTROL/ CONSTRUCTION JOINT	NS NTS	NEAR SIDE OR NON-SHRINK
CL	CENTERLINE	NWC	NORMAL WEIGHT CONCRET
	CLEAR	0.C.	ON CENTER
	CONCRETE MASONRY UNIT	0.C. 0.F.	ON CENTER OUTSIDE FACE
	CONCRETE MASONRY UNIT	O.F. OH	OPPOSITE HAND
	CONCRETE	UT	OPPOSITE HAND OSHPD PRE APPROVAL OF
	CONNECTION	OPM	MANUFACTURER'S
	CONTINUOUS		CERTIFICATION
	COMPLETE PENETRATION	OPN'G	OPENING
CSK	COUNTERSINK	PDF	POWDER DRIVEN FASTENER
CTR(D)	CENTER(ED)	PENE	PENETRATION
DB	BAR OR BOLT DIAMETER	PJ	PANEL JOIST
DBL	DOUBLE	PL	PLATE
	DEMAND CRITICAL	PLC(S)	PLACE(S)
DEMO	DEMOLITION	PLF	POUND PER LINEAR FOOT
DET	DETAIL	PLYWD	PLYWOOD
DIA	DIAMETER		PREFABRICATED
DIAG	DIAGONAL	PSF	POUND PER SQUARE FOOT
DIM	DIMENSION	PSI	POUND PER SQUARE INCH
DO	DITTO		PRESSURE TREATED OR
DWG	DRAWING	PT	POST TENSION
(E)	EXISITNG	QTY	QUNATITY
ĒÁ	EACH	RAD, R	RADIUS
E.F.	EACH FACE	REF	REFERENCE
EJ	EXPANSION JOIST	REINF	REINFORCING
	EMBEDMENT	REQ'D	REQUIRED
ELEC	ELECTRICAL	SB	SILL BOLT
ELEV	ELEVATION	SC	SAW CUT OR SLIP CRITICAL
EN	EDGE NAILING	SCHED	SCHEDULE
E.O.	EDGE OF	SEOR	STRUCTURAL ENGINEER
EOR	ENGINEER OF RECORD		ON RECORD
EQ	EQUAL	SF	SPREAD FOOTING
		SHT'G	SHEATHING
E.S.	EACH SIDE/ EDGE SCREW	SIM	SIMILAR
E.W.	EACH WAY	SLRS	SEISMIC LOAD
EXP	EXPANSION		RESISTING SYSTEM
	EXTERIOR	SMS	SHEET METAL SCREW
	FINISH	SN	
		S.O.G.	SLAB ON GRADE
	FIELD NAILING	SQ	SQUARE
	FOUNDATION	SS	STAINLESS STEEL
F.O.	FACE OF	STOPD	STANDARD
FS EDM'C	FAR SIDE OR FIELD SCREW	STGRD	STAGGERED
FRM'G	FRAMING FOOT OR FEET	SITFF	STIFFENER
FT FTG	FOOTING	STL STRUCT	STEEL STRUCTURAL
G	GIRDER	T&B	TOP AND BOTTOM
G GA	GRDER	TAB	THICK
GA GALV	GAGE GALVANIZED	THK T.O.F	
GALV GB	GALVANIZED GRADE BEAM	T.O.F T.O.M.	TOP OF FOOTING
GB H.A.B.	HEADED ANCHOR BOLT	T.O.M. T.O.S.	TOP OF MASONRY
п.а.в. HD	HOLDOWN	TRANS.	TRANSVERSE
HDR	HEADER	TRAINS. TYP	TYPICAL
HGR	HANGER	U.N.O.	UNLESS NOTED OTHERWIS
HK	HOOK	VERT	VERTICAL
HNRIZ	HOOK	W/	WITH
HORIZ HP	HIGH POINT	W/O	WITHOUT
HP HS	HIGH POINT HIGH STRENGTH	WF	WITHOUT WIDE FLANGE
HS HSS	HIGH STRENGTH HOLLOW STRUCTURAL	WLD	WIDE FLANGE WELDED
100	SECTION	WO	WELDED WHERE OCCURS
HT		WP	WHERE OCCURS
IN	INCH REFERENCE ELEVATION OR	WT WWF	WEIGHT WELDED WIRE FABRIC
	WORK POINT	WWM	WELDED WIRE FABRIC
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03/24/2022	
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PROJECT DESCRIPTION:

### CALEXICO INTERMODAL TRANSIT CENTER

GENERAL NOTES

SHEET TITLE:

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### STRUCTURAL SUBMITTALS:

- REVIEW OF SHOP DRAWINGS AND SUBMITTALS BY THE SEOR IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- 2. SHOP DRAWINGS SHALL BE SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO FABRICATION. THE CONTRACTOR WILL REMAIN RESPONSIBLE FOR ALL ERRORS OF DETAILING, FABRICATION, AND FOR CORRECT FITTING OF ALL STRUCTURAL MEMBERS INCLUDING COORDINATION WITH OTHER TRADES.

A. SHOP DRAWINGS SHALL BE SUBMITTED A MINIMUM OF 2 WEEKS PRIOR TO SCHEDULED FABRICATION AND SHALL CONSIST OF ONLY ONE SET FOR OUR RECORDS AND ONE REPRODUCIBLE SET.

B. SEOR WILL RETURN THE REPRODUCIBLE SET CLEARLY MARKED WITH COMMENTS. ANY REQUIRED RECORD SET COPIES SHALL BE MADE FROM THIS RETURNED SET.

C. REPRODUCTION OF STRUCTURAL PLANS & DETAILS FOR SHOP DRAWINGS IS PROHIBITED. SUBCONTRACTOR/FABRICATOR IS TO PROVIDE INDEPENDENTLY CREATED DRAWINGS BASED ON THE STRUCTURAL PLANS AND DETAILS. 2. SHOP DRAWINGS AND SUBMITTALS DO NOT CONSTITUTE CHANGE ORDERS. ANY PROPOSED CHANGES TO THE STRUCTURAL DOCUMENTS MUST BE SUBMITTED IN WRITING AS A REQUEST FOR SUBSTITUTION TO THE ARCHITECT AND SEOR FOR APPROVAL.

3. THE FOLLOWING LIST SUMMARIZES IMPORTANT STRUCTURAL SUBMITTALS FOR THIS PROJECT. REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST AND ADDITIONAL REQUIREMENTS.

### GENERA

REQ'D: QUALIFICATION DATA FOR APPROVED INSTALLERS AND FABRICATORS. REQ'D: CERTIFICATES OF CONFORMANCE FOR PREFABRICATED MEMBERS. REQ'D: PROVIDE PRODUCT DATA FOR ALL MANUFACTURED STRUCTURAL PRODUCTS AND ACCESSORIES USED.

### CONCRETE FORMWORK

- REQ'D: MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR PROPRIETARY MATERIALS INCLUDING FORM COATINGS, MANUFACTERED FORM.
- REQ'D: SYSTEMS, TIES AND ACCESSORIES SHOP DRAWINGS FOR FABRICATION AND ERECTION OF FORMWORK AND SHORING.

### CONCRETE REINFORCEMENT

- REQ'D: MANUFACTURER'S PRODUCT DATA, SPECIFICATIONS AND INSTALLATION PROCEDURES FOR PROPRIETARY MATERIALS AND REINFORCEMENT. REQ'D: STEEL PRODUCER'S CERTIFICATES OF MILL ANALYSIS, TENSILE AND
- BEND TESTS REQ'D: SHOP DRAWINGS FOR FABRICATION, BENDING AND PLACEMENT.

### CAST-IN-PLACE CONCRETE

- REQ'D: DESIGN MIX FOR EACH CONCRETE MIX.
- REQ'D: MATERIAL TEST REPORTS.
- REQ'D: MATERIAL CERTIFICATES FOR CEMENT, AGGREGATES AND ADMIXTURES. REQ'D: MANUFACTURER'S PRODUCT DATA FOR WATERSTOPS, BONDING AGENTS, VAPOR RETARDERS, JOINT FILLER, CURING MATERIALS AND
- FLOOR. REQ'D: TREATMENTS SHOP DRAWINGS FOR PROPOSED LOCATIONS OF ADDITIONAL CONSTRUCTION OR CONTROL JOINTS NOT SHOWN ON THE STRUCTURAL PLANS.
- REQ'D: MINUTES FROM PREINSTALLATION CONFERENCE.

### UNIT MASONRY

REQ'D: DESIGN MIX FOR GROUT. **REQ'D: MATERIAL TEST REPORTS** 

### STRUCTURAL STEEL

- REQ'D: MANUFACTURER'S MILL CERTIFICATES.
- REQ'D: MILL TEST REPORTS.
- REQ'D: SHOP DRAWINGS FOR FABRICATION AND ASSEMBLY OF MEMBERS.
- REQ'D: ERECTION PLAN SEQUENCE AND PROCEDURES. REQ'D: WELDING PROCEDURE SPECIFICATIONS (WPS).
- REQ'D: CERTIFICATES FOR ALL WELDERS VERIFYING CURRENT AWS
- QUALIFICATIONS.
- REQ'D: TEST REPORTS FOR SHOP AND FIELD WELDED AND BOLTED CONNECTIONS.

STEEL DECK

REQ'D: SHOP DRAWINGS INDICATING LAYOUT AND DETAILS.

COLD-FORMED METAL FRAMING

NOT REQ'D: SHOP DRAWINGS INDICATING LAYOUT AND DETAILS. NOT REQ'D: ENGINEERING CALCULATIONS.

### FOUNDATION AND SLAB ON GRADE NOTES:

SEE SOILS REPORT BY: LANDMARK CONSULTANTS, INC. REPORT NO: LE21050 DATED: APRIL 20, 2021

SOILS REPORT SHALL BE CONSIDER A PART OF THESE CONSTRUCTION DOCUMENTS.

2. ALLOWABLE VERTICAL BEARING PRESSURE FOR COMPACTED NATIVE CLAY SOIL. DEAD LOAD + LIVE LOAD = .

DEAD LOAD + LIVE LOAD + LATERAL LOAD = .

ALLOWABLE LATERAL BEARING PRESSURE IS 250 PSF PER FT OF DEPTH ALLOWABLE COEFFICIENT OF FRICTION FOR SLIDING: 0.25

- 3. THE CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE SOIL REPORT. THE GEOTECHNICAL ENGINEER SHALL OBSERVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE.
- 4. SUBSURFACE SOIL PREPARATION: A. ALL EXISTING UNDOCUMENTED FILL SHALL BE REMOVED AND RECOMPACTED. ALL TOPSOILS SHALL BE REMOVED AS REQUIRED BY
  - THE GEOTECHNICAL ENGINEER. B. GEOTECHNICAL ENGINEER SHALL BE RETAINED DURING THE
  - OVEREXCAVATION PROCESS. THE ACTUAL DEPTH OF REMOVAL WILL BE DETERMINED DURING GRADING OPERATIONS C. OFFSITE FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL
  - ENGINEER PRIOR TO PLACEMENT.
- 5. SPREAD FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS, UNO.
- 6. FOOTING ELEVATIONS ARE NOTED ON THE PLANS AND DETAILS . IN ANY CASE, FOOTINGS SHALL BEAR ON FIRM UNDISTURBED SOIL OR ENGINEERED FILL OR BEDROCK . IN ACCORDANCE WITH THE SOIL REPORT AND DETAILS SHOWN.
- CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
- 8. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS WITH THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING IS NOT PERMITTED.
- 9. ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.
- 10. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED WITH NON-EXPANSIVE SOIL BUT NOT BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY ATTAINS ITS FULL DESIGN STRENGTH.
- 11. THE DESIGN OF ALL RETAINING WALLS AND SUBTERRANEAN BUILDING WALLS INDICATED ON THESE DRAWINGS IS BASED ON DRAINED SOILS
- 12. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR WHERE LOCATED ON PLANS AND DETAILS. CJ'S SHALL HAVE FORMED POUR STOPS. CONSTRUCTION JOINTS IN WALLS AND FOOTINGS NEED NOT OCCUR AT THE SAME LOCATION, UNO.
- 13. SEE ARCHITECT'S PLANS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS, CURBS, DRAINS, NON-STRUCTURAL PARTITIONS AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL PLANS.
- 14. ALL GRADING, FOUNDATION FOOTINGS, AND DRAINAGE PLANS SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER UPON SUBMITTAL. A CERTIFIED LETTER BY THE GEOTECHNICAL ENGINEER IS REQUESTED STATING THAT THE RECOMMENDATIONS CONTAINED WITHIN THE SOILS REPORT HAVE BEEN INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS PRIOR TO CONSTRUCTION.
- 15. PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
  - A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
  - B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED

APPROVED BY:

ENGINEER

CITY OF CALEXICO

Community Development Department

ENGINEERING DIVISION

engineering@calexico.cg.gov • www.calexico.cg.gov

nue• Calexico, CA 92231• Tel: 760.768.2100 • Fax: 760.768.08

C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT

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### SHORING AND EXCAVATIONS NOTES

- THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL TEMPORARY SHORING AND BRACING AS REQUIRED TO SUPPORT EXISTING FRAMING WHERE SUPPORT ELEMENTS (BEAMS, COLUMNS, AND BEARING WALLS) ARE TO BE REMOVED.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA CONSTRUCTION SAFETY ORDERS (CAL-OSHA)
- 3. TEMPORARY CUTS SHALL NOT EXCEED SLOPES RECOMMENDED IN THE SOIL REPORT. NOR THOSE SHOWN ON THE SHORING DRAWINGS FOR CONSTRUCTION OF FOUNDATIONS.
- 4. THE INSTALLATION OF SHORING AND EXCAVATIONS SHALL BE PERFORMED UNDER THE CONTINUOUS INSPECTION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
- THE DESIGN OF THE SHORING SYSTEM SHALL BE BASED UPON RECOMMENDATIONS CONTAINED IN THE SOIL REPORT. THE SHORING CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL DATA THEREIN AND SHALL KEEP A COPY OF THE REPORT AT THE JOB SITE AT ALL TIMES.
- 6. THE STRUCTURAL ENGINEER RESPONSIBLE FOR THE SHORING DESIGN (HEREAFTER CALLED THE SHORING ENGINEER) SHALL MAKE PERIODIC VISITS TO THE JOB SITE FOR THE PURPOSE OF OBSERVING THE INSTALLATION OF THE SHORING SYSTEM. OBSERVATIONS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO. THE FOLLOWING:
- A. PRIOR TO THE START OF INSTALLATION, MEET WITH THE GEOTECHNICAL ENGINEER AND SHORING CONTRACTOR TO REVIEW ALL ASPECTS OF THE DESIGN AND INSTALLATION OF THE SHORING
- B. REVIEW OF CONDITIONS AT COMPLETION OF EXCAVATION. THE CONTRACTOR SHALL NOTIFY THE SHORING ENGINEER AT LEAST 48 HOURS PRIOR TO EACH OF THE ABOVE REQUIRED OBSERVATIONS.
- 7. CONTROL POINTS SHALL BE ESTABLISHED BY A LICENSED SURVEYOR TO MONITOR ANY HORIZONTAL AND VERTICAL MOVEMENTS OF THE SHORING. INITIAL READINGS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, AND WEEKLY DATA SHALL BE SUBMITTED AS EXCAVATION PROGRESSES AND THROUGHOUT THE CONSTRUCTION PERIOD. ADDITIONAL READINGS SHALL BE OBTAINED WHEN REQUESTED BY THE BUILDING OFFICIAL, SHORING ENGINEER OR GEOTECHNICAL ENGINEER. IF ANY HORIZONTAL OR VERTICAL MOVEMENT OCCURS, THE GEOTECHNICAL ENGINEER, THE SHORING ENGINEER AND THE STRUCTURAL ENGINEER SHALL EVALUATE SUCH MOVEMENT AND RECOMMEND CORRECTIVE MEASURES, IF NECESSARY BEFORE EXCAVATION IS CONTINUED.

# STRUCTURAL CONCRETE NOTES

- CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318, 2014 EDITION, AND PROJECT SPECIFICATIONS.
- 2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED SIX FEET. A SUFFICIENT NUMBER OF CHUTES OR TRUNKS SHALL BE USED TO ENSURE THE CONCRETE IS KEPT LEVEL AT ALL TIMES.
- CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX. SLUSH WITH A COAT OF NEAT CEMENT BEFORE PLACING CONCRETE. SEE PLANS AND DETAILS FOR LOCATION AND TYPE OF CONSTRUCTION JOINT. LOCATIONS OF ADDITIONAL CONSTRUCTION JOINTS NOT SHOWN ON THESE PLANS SHALL BE SUBMITTED FOR APPROVAL BY THE EOR PRIOR TO PLACING ANY CONCRETE.
- 4. STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:

LOCATION	MIN 28-DAY COMP STRENGTH	CONC TYPEª	MAX AGGR. SIZE	MAX W/C RATIO	MAX SLUMP⁵	CEMENT TYPE
FOUNDATIONS STEM WALLS, PILASTER	4000 PSI	NWC	1 1/2"	0.45	4"	II / V
SLAB ON GRADE	4000 PSI	NWC	1"	0.45	4"	II / V
CONCRETE WALLS, COLUMNS, AND STRUCTURAL SLABS	4000 PSI	NWC	1 1/2"	0.45	4"	II / V

- a. MAXIMUM DRY WEIGHT OF LIGHTWEIGHT CONCRETE SHALL BE
- 110 PCF b. SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS.

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- SHALL CONSIST OF 5 SACK MINIMUM UNO.
- TO ASTM C-330.
- BUILDING DEPARTMENT AND THE SEOR
- 8. PORTLAND CEMENT SHALL BE AS NOTED ABOVE FOR ALL CONCRETE OF COMPLIANCE SHALL BE SUBMITTED.
- DESIGN IS PROPORTIONED PER ACI 318, SECTION 26.4.3.
- OF CEMENT PER CUBIC YARD OF CONCRETE.
- 12. DRYPACK OR NONSHRINK GROUT SHALL HAVE A MINIMUM 28 DAY PEA GRAVEL.
- USED IN MIX SHALL BE CLEAN AND POTABLE.
- A MINIMUM OF 3 DAYS.
- USE.
- OTHERWISE ACCEPTED BY SEOR.
- WITHOUT PRIOR APPROVAL BY THE SEOR.
- ITEMS NOT SHOWN ON THE STRUCTURAL PLANS.
- FORMED WITH 3/4" CHAMFER, UNO.
- OCCUR AT THE SAME LOCATION, UNO.







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5. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE, AND SPECIFICATIONS. ALL CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LAB STAMPED AND SEALED BY A LICENSED CALIFORNIA CIVIL ENGINEER AND SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO CONCRETE PLACEMENT. STRUCTURAL CONCRETE MIXES

6. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK). AGGREGATES IN LIGHT WEIGHT CONCRETE SHALL CONFORM

7. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE

CONFORMING TO ASTM C150, LOW ALKALI. MILL TESTS WITH CERTIFICATES

9. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS N OR F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 15% TOTAL CEMENTITIOUS MATERIALS BY WEIGHT IF THE MIX

10. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.

11. LEAN CONCRETE, WHERE SPECIFICALLY INDICATED, SHALL CONTAIN 2 SACKS

COMPRESSIVE STRENGTH OF 2 TIMES THE SUPPORTING CONCRETE STRENGTH, AND SHALL BE OF FIVE STAR GROUT, SIKA GROUT 212, OR APPROVED EQUAL WITH VALID CODE REPORT (LARR, ICC, ESR, IAPMO ER) FOR THICK GROUT LAYERS FOLLOW MANUFACTURER'S GUIDELINES TO ATTAIN THE REQUIRED STRENGTH, WHICH MAY INCLUDE THE ADDITION OF

13. DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES. WATER

14. PRIOR TO ERECTING ANY ELEMENTS THAT LOAD THE FOUNDATION. CONCRETE MUST REACH AN UNCONFINED COMPRESSION STRENGTH OF 2000 PSI MINIMUM AS DETERMINED BY TESTING OR PREVIOUSLY DOCUMENTED DATA FOR THE MIX DESIGN USED UNDER SIMILAR CONDITIONS, AND MUST BE ALLOWED TO CURE FOR

15. FOR INTERIOR SLABS-ON-GRADE AND ALL OTHER SLABS RECEIVING ADHERED FLOORING FINISHES (I.E., GLUED, ETC.), THE MAXIMUM W/C RATIO SHALL NOT EXCEED 0.45. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECIEVE FINISHES SHALL BE COMPATIBLE WITH TILE AND ADHESIVES OR GROUTS IN ACCORDANCE WITH MANUFACTURER'S DATA AND BE APPROVED BEFORE

16. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS

17. SEE ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, WALL OFFSETS, CHAMFERS, KERFS, DRIPS AND FOR EXTENT OF DEPRESSIONS, RAMPS, ETC. PROVIDE SLEEVES FOR ALL PIPES THROUGH CONCRETE WALLS AND FOOTINGS WHERE SHOWN ON THESE DRAWINGS. CORING IS NOT PERMITTED

18. SEE ARCHITECT'S PLANS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS CURBS, DRAINS, NON-STRUCTURAL PARTITIONS AND OTHER EMBEDDED

19. EXPOSED CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE

20. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR WHERE LOCATED ON PLANS AND DETAILS. CJ'S SHALL HAVE FORMED POUR STOPS. CONSTRUCTION JOINTS IN WALLS AND FOOTINGS NEED NOT

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PROJECT DESCRIPTION: SHEET TITLE: SHEET: DRAWN BY: AN & RM CALEXICO INTERMODAL 03/24/2022 TRANSIT CENTER GENERAL NOTES

# **REINFORCING STEEL NOTES:**

1. REINFORCING GRADES FOR CONCRETE OR MASONRY:

ALL BARS EXCEPT THOSE TO BE WELDED	ASTM A615, GRADE 60
TIES AND STIRRUPS	ASTM A615, GRADE 60
WELDED WIRE FABRIC	ASTM A1064
ALL BARS TO BE WELDED	ASTM A706, GRADE 60
ALL BARS IN THE CONCRETE SHEARWALL INDICATED ON WALL ELEVATION INCLUDING SUPPORTING WALL FOOTING LONGITUDINAL BARS (WF), AND ALL GRADE BEAMS (GB)	A706, GRADE 60

2. MAINTAIN MINIMUM CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (UNO): (SEE PLAN/ SECTION FOR CONCRETE W/ FIRE RATING.)

CONE	DITION	COVER	
CONC	CRETE POURED AGAINST EARTH	3"	
	RETE POURED IN FORMS AND SED TO WEATHER OR EARTH		
	-#6 BARS AND LARGER	2"	
	-#5 BARS AND SMALLER	1 1/2"	
INTEF	NTERIOR COLUMNS AND BEAMS		
INTEF	1"		
STRU	CTURAL SLABS ON GRADE		
	-FROM BOTTOM OF SLAB	2"	
	1 1/2"		
-	R CONCRETE NOT EXPOSED TO WEATHER OR H FOR #11 BARS AND SMALLER	1"	

PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.

- REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE" EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24" OC. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN POSITIONS SHOWN ON THE PLANS.
- 4. SPLICES IN CONTINUOUS REINFORCEMENT AS USED IN WALLS, FOOTINGS, SLABS, ETC., SHALL HAVE A CLASS "B" LAP (1'-6" MIN) AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS AND SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.
- ALL DOWELS, ANCHOR BOLTS AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO WET SETTING, STABBING, RODDING OR OTHER MOVEMENT OF EMBEDDED ITEMS SHALL BE PERFORMED DURING PLACEMENT OF CONCRETE.
- BEND REINFORCING BARS COLD.
- 7. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST
- 8. DOWELS BETWEEN FOOTING AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE MAIN REINFORCING UNO.
- 9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN PLACE INSPECTION IS MADE
- 10. CHAIRS OR SPACERS FOR REINFORCING SHALL BE NON-FERROUS OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.

### MASONRY NOTES:

MASONRY UNITS SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY PRISM COMPRESSIVE STRENGTHS IN ACCORDANCE WITH THE BUILDING CODE:

MINIMUM 28 DAY COMPRESSIVE STRENGH						
LOCATION	fm	TYPE S MORTAR PER ASTM C270	GROUT PER CBC 2103A.3			
ALL MASONRY U.N.O	2000 PSI	2000 PSI	2000 PSI			

- 2. CONCRETE BLOCK SHALL CONFORM TO ASTM C90 MEDIUM WEIGHT. CLAY BRICK LOCK SHALL CONFORM TO ASTM C652
- 3. PRISM TEST SHALL BE PERFORMED FOR MASONRY WITH I'M OVER 2000 PSI FOR CBC 2105A.5
- VERTICAL REINFORCING SHALL BE FULL HEIGHT OF WALL AND SHALL BE BRACED AT 6'-8" MAXIMUM TO PREVENT MOVEMENT WHILE GROUTING.
- HORIZONTAL REINFORCING SHALL BE IN BOND BEAM UNITS AND TIED SECURELY TO VERTICAL REINFORCING.
- 6. DOWELS, ANCHORS, AND OTHER EMBEDDED ITEMS SHALL BE TIED SECURELY IN PLACE TO PREVENT MOVEMENT WHILE GROUTING. WET SETTING OR STABBING IS NOT ALLOWED.
- MAXIMUM GROUT LIFTS SHALL NOT EXCEED 8'-0" AND CLEANOUTS AT THE BOTTOM OF ALL CELLS SHALL BE USED UNLESS THE LIFT IS 4'-0" OR LESS. THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING. GROUT FOR EACH POUR SHALL BE STOPPED 1 1/2" BELOW THE TOP OF A BLOCK COURSE EXCEPT AT THE FINAL COURSE. ALL GROUT SHALL BE THOROUGHLY CONSOLIDATED BY VIBRATING IMMEDIATELY AFTER PLACING. SHAKING OR RODDING REBAR IS NOT ALLOWED. FILL ALL CELLS WITH GROUT.
- 8. BLOCK SHALL BE PLACED IN RUNNING BOND AND SHALL BE 8"x8"x16" NOMINAL UNITS, UNO. WHERE BLOCK IS REQUIRED TO BE PLACED IN STACK BOND (SEE ARCH), OPEN-ENDED UNITS (I.E., "SPEED BLOCK") SHALL BE USED.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SAFETY OF LIFT HEIGHT FOR OPEN ENDED OR FIELD MODIFIED BLOCKS.
- 10. LAYOUT OF MASONRY BLOCK UNITS SHALL BE RUNNING BOND, U.N.O. BLOCK MODULES/MORTAR JOINTS SHOWN ON THESE DRAWINGS ARE FOR RESENTATION PURPOSES ONLY, AND NOT INTENDED TO SUPERCEDE ARCHITECTURAL DESIGN REQUIREMENTS.
- **11. WALL REINFORCEMENT SEE PLANS & ELEVATIONS**
- 12. PROVIDE VERTICAL CONTROL JOINTS IN CMU WALLS AS SHOWN ON PLAN. UNLESS NOTED OTHERWISE VERTICAL CONTROL JOINTS SHALL OCCUR AT 25'-0" OC MAXIMUM ALONG WALL LENGTH, AT FOUNDATION STEPS, FLOOR OR ROOF JOINTS, WALL HEIGHT CHANGES, AND 24" MINIMUM PAST ONE SIDE OF OPENINGS > 6'-0" WIDE, UNO ON PLANS
- 13. WHEN THE AMBIENT TEMPERATURE FALLS BELOW 40°F, OR EXCEEDS 100°F. PROVSIONS OF TMS602 / ACI 530 / ASCE6. ARTICLE 1.8C OR ARTICLE 1.8D SHALL BE IMPLEMENTED.

NO.	BY:	REVISION COMMENTS



CITY OF CALEXICO ommunity Development Department ENGINEERING DIVISION nue• Calexico, CA 92231•Tel: 760.768.2100 •Fax: 760.768.08 co.ca.aov • www.calexico.ca.aov

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# STRUCTURAL STEEL NOTES

- DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE 15TH EDITION OF "AISC MANUAL OF STEEL CONSTRUCTION".
- 2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- 3. PROVIDE THE FOLLOWING MATERIALS FOR STRUCTURAL STEEL UNO:

ST	RUCTURAL STEEL GRADES:	
Α.	ALL WIDE FLANGE SECTIONS	ASTM A992
В.	SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C (F <sub>Y</sub> = 50 KSI)
C.	ROUND HOLLOW STRUCTURAL SECTION (HSS)	ASTM A500,GRADE C (F <sub>Y</sub> = 46KSI)
C.	PIPES	ASTM A53 TYPE E OR S, GRADE B (F <sub>Y</sub> =35 KSI)
Ε.	PLATES, ANGLES, CHANNELS & TEES	ASTM A36
F.	ALL PLATES PART OF SLRS	ASTM 572, GRADE 50
G.	MACHINE BOLTS (MB)	ASTM A307
Η.	HIGH STRENGTH BOLTS (HSB)	ASTM A325 TYPE N, A490
Ι.	WELDED HEADED STUDS	ASTM A108
J.	THREADED RODS FOR ANCHOR BOLTS	ASTM F1554, GRADE 36

- 4. 1/8" THICK PLATES AND THICKER SHALL BE GAS CUT OR SAW CUT EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH STRENGTH BOLTS. EXCEPT OTHERWISE NOTED, ALL BOLT HOLES SHALL BE STANDARD HOLES.
- 5. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR **REVIEW BY SEOR PRIOR TO FABRICATION.**
- 6. ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED (IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS) SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.
- 7. BOLTS WITH UPSET THREADS ARE NOT ALLOWED. USE THE APPROPRIATE NUT AND WASHER TYPE FOR THE SPECIFIED BOLT.
- 8. ALL STEEL FABRICATION SHALL BE PERFORMED BY A LICENSED FABRICATOR.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHER PROOF COATING IS SPECIFIED BY THE ARCHITECT UNO. STAINLESS AND WEATHERING STEELS ARE EXCEPTED WHERE SPECIFIED.
- 10. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THESE DRAWINGS. WHERE STEEL IS EMBEDDED IN CONCRETE OR MASONRY, PROVIDE HOLES AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS WHERE INDICATED ON DRAWINGS. DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT PRIOR APPROVAL OF SEOR.
- 11. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE. SECTION 10.
- 12. PLACE NON-SHRINK OR DRYPACK GROUT UNDER ALL BASE PLATES AND ALLOW TO CURE BEFORE APPLYING LOADS.
- 13. ALL OPEN HSS ENDS SHALL BE CAPPED. MIN. 1/4" STL CAP. PROVIDE SQUARE WELD ALL AROUND. CAP PLATE TO HSS.
- 14. FOR STRUCTURAL STEEL, IN ADDITION TO THE REQUIREMENTS OF SPECIFICATION SECTION A3.1c, HOT ROLLED SHAPES WITH FLANGES 1 1/2" THICK AND THICKER SHALL HAVE MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LB AT 70°F. PLATES 2" THICK AND THICKER SHALL HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LB AT 70°F.

## HIGH-STRENGTH BOLT NOTES:

- 1. SEE STRUCTURAL STEEL NOTES THIS SHEET FOR ADDITIONAL INFORMATION.
- 2. ALL HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM A-325 OR ASTM A-490, NUTS SHALL CONFORM TO ASTM A-563 AND WASHERS SHALL CONFORM TO ASTM F-436.
- HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE "AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". SLIP CRITICAL BOLTS (SC) SHALL BE USED FOR ALL "SEISMIC LOAD RESISTING SYSTEM" (SLRS) MEMBER STEEL-TO-STEEL CONNECTIONS.
- 4. PAINT SHALL NOT BE PERMITTED ON CONTACT SURFACES UNLESS NOTED OTHERWISE. CONTACT SURFACES OF BOLTED PARTS SHALL BE DESCALED AND FREE OF DIRT, OIL, BURRS, PITS, AND OTHER DEFECTS WHICH PREVENT SOLID SEATING OF PARTS.
- 5. FAYING SURFACE SHALL BE "CLASS A" FOR SLIP CRITICAL BOLTS (SC)
- 6. SLIP-CRITICAL JOINT ASSEMBLIES SHALL BE FULLY PRE-TENSIONED BY TURN-OF-NUT TIGHTENING, CALIBRATED WRENCH TIGHTENING, INSTALLATION OF ALTERNATE DESIGN BOLTS OR BY DIRECT TENSION INDICATOR TIGHTENING.

DATE

ENGINEER OF WORK:



VCAENGINEERS INC MBE OBE SE 2151 Michelson Dr. #240 Irvine, CA 92612 Tel. 949.679.0870 Fax. 949.679.9370 Project No: H612

- CURRENT EDITION.
- A3.4B
- SECTION A3.4B FOR ADDITIONAL REQUIREMENTS.
- USING E70XX ELECTRODES UNLISS OTHERWISED NOTED.
- E80XX ELECTRODES.
- WITH AWS D1.3.
- ALL EXPOSED BUTT WELDS SHALL BE GROUND SMOOTH.
- COSTS WITHIN THE BASE BID.
- 12. ALL WELDS (SHOP AND FIELD) REQUIRE SPECIAL INSPECTION.
- & AISC 341 J6.2.



- STRUCTURAL STEEL FOR BUILDINGS"
- PERFORMING.



PROJECT: FILE NAME: LAST REVISED:

DRAWN BY: AN & RM

CHECK BY: YN & JA

ENGINEER

1. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION", AMERICAN WELDING SOCIETY (AWS), D1.1, D1.8 AND THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF

2. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS, AND SHALL BE CERTIFIED FOR THE WORK THEY ARE

3. PROJECT WELDING SHALL BE PERFORMED ONLY IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE SEOR AND PROJECT WELDING INSPECTOR. THE WPS SHALL BE IN ACCORDANCE WITH AWS D1.1-D1.4 & D1.8

4. ALL WELDS WITHIN MEMBERS DESIGNATED AS PART OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS) SHALL CONFORM TO THE DETAILING, MATERIALS WORKMANSHIP, TESTING, AND INSPECTION REQUIREMENTS PER AWS D1.8 AND MUST HAVE A MIN. CVN TOUGHNESS OF 20 FT-LB @ 0°F PER AISC 341

5. WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL, THEY SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT-LB AT 0°F AND 40 FT-LB AT 70°F. SEE AISC 341-16

6. WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED PER AWS D1.1 & D1.8

7. WELDING OF REINFORCING BARS SHALL BE PERFORMED PER AWS D1.4 USING

8. WELDING OF METAL DECK AND LIGHT GAGE STEEL SHALL BE IN ACCORDANCE

9. ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS.

10. ALL EXPOSED WELDS ON ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.

11. FIELD WELDS HAVE BEEN INDICATED WHERE THEY ARE EXPECTED TO OCCUR. THE CONTRACTOR SHALL DETERMINE THE ACTUAL FIELD WELDING NECESSARY TO COMPLETE THE PROJECT AND INCLUDE ALL ASSOCIATED

13. ALL FULL PENETRATION WELDS SHALL BE ULTRA-SONIC TESTED PER AWS D1.1

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PROJECT DESCRIPTION: SHEET TITLE: CALEXICO INTERMODAL TRANSIT CENTER GENERAL NOTES

03/24/2022 ICTC

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# COMPLETE JOINT PENETRATION CONNECTION NOTES:

WE	ELDING EL	ECTRODES
Α.	SMAW	E8018*
B.	FCAW	E80 SERIES

\* WELD METAL SHALL BE CAPABLE OF DELIVERING A MINIMUM OF 20 FT-LBS AT -0°F AND 40FT-LBS @ 70°F AS MEASURED BY A CHARPY V-NOTCH IMPACT TEST PER AWS D1.1AND D1.8, APPENDIX III.

\* BASE METAL FOR STRUCTURAL SHAPES IN SIZE GROUP 4 & 5 W/ t/f > 11/2" SHALL BE CAPABLE OF DELIVERING A MINIMUM OF 20 FT-LBS AT 70°. F AS MEASURED BY A CHARPY V-NOTCH IMPACT TEST PER A.I.S.C. MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.

### STRUCTURAL STEEL

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- 1. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE FOR STEEL AWS D1.1-10 AND D1.8.
- 2. WELDING PROCEDURE SPECIFICATIONS (WPS) SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, PRIOR THE ENGINEER FOR APPROVAL, PRIOR TO THE BEGINNING OF WELDING OPERATIONS. THE WPS SHALL INCLUDE THE WELDING PARAMETERS RECOMMENDED BY THE ELECTRODE MANUFACTURER. SEE AWS D1.1 APPENDIX E, FORM E-1. JOINT DETAILS TO SUIT EXISTING CONDITIONS. THE WELDING ELECTRODE MANUFACTURER'S SPECIFICATIONS SHALL BE ATTACHED TO THE WPS. ALL WELDERS AND INSPECTORS SHALL BE INFORMED OF THE WPS AND SHALL RETAIN A COPY.
- 3. SEE AWS FOR PREQUALIFIED SMAW WPS'S.
- SEE AWS FOR PREQUALIFIED FCAW WPS'S.
- WELDING TO BE DONE BY WELDERS CERTIFIED BY AWS.
- 6. ONLY SHIELDED METAL ARC WELDING (SMAW) WITH LOW HYDROGEN ELECTRODES OR FLUX CORE ARC WELDING (FCAW), EITHER GAS SHIELDED OF SELF SHIELDED, SHALL BE USED. FOR SMAW, THE TYPICAL REQUIREMENTS SHALL BE ACCORDING TO NOTE #3 ABOVE. WELDING PROCEDURES SHALL MEET THE REQUIREMENTS OF AWS D1.1 4.6.2, OR SHALL BE QUALIFIED BY TEST. FOR FCAW, THE TYPICAL REQUIREMENTS SHALL BE ACCORDING TO NOTE #4 ABOVE. THE WELDING PROCEDURE SHALL MEET THE REQUIREMENTS OF AWS D1.1 4.14.1.6.
- 7. INDIVIDUAL WELDS SHALL BE CARRIED CONTINUOUSLY TO COMPLETION BEFORE THE JOINT IS ALLOWED TO COOL BELOW THE MINIMUM SPECIFIED PREHEAT AND INTERPASS TEMPERATURE.
- 8. AT ALL COMPLETE PENETRATION WELDS, WELD BEADS SHALL BE PEENED AFTER EACH PASS, WITH THE EXCEPTION OF THE ROOT PASS AND THE SURFACES PASSES, AS FOLLOWS: TURN SLAG GUN 90 DEG. AND MAKE A MINIMUM OF 4 PASSES WITH DULL CHISEL.
- PREHEATING IS REQUIRED ON ALL TACK WELDS NOT INCORPORATED INTO FINAL WELDS. SEE AWS D1.1, SECTION 3.3.7.
- 10. FOR BEAM FLANGE REINFORCEMENT PLATES, THE ROLLING DIRECTION OF GRAIN SHALL BE INDICATED ON THE PLATE AND INSTALLED SO THAT THE GRAIN DIRECTION IS PARALLEL TO THE LONGITUDINAL AXIS OF THE MEMBER.
- 11. FULL TIME VISUAL INSPECTION BY AN AWS QC-1 QUALIFIED INSPECTOR IS REQUIRED FOR ALL WELDING.
- 12. 100% ULTRASONIC WELD TESTING BY THE INSPECTOR IS REQUIRED FOR ALL COMPLETE PENETRATION WELDS.
- 13. AMPEREAGE, VOLTAGE, POLARITY AND ELECTRODE STICK OUT SHALL BE VERIFIED TO BE IN COMPLIANCE WITH THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS.
- 14. REMOVE B.U. BARS AND WELD TABS AT ALL FLANGE COMPLETE JOINT PENETRATION (CJP) WELDS AT DUCTILE MOMENT FRAME CONNECTIONS. TYPICAL UNLESS NOTED OTHERWISE.

### METAL DECK NOTES (UNFILLED):

- MATERIAL FOR METAL DECK SHALL HAVE A MIN YIELD STRENGTH OF 50 KSI AND CONFORM TO ASTM A653-SS GRADE 33 WITH GALVANIZED G60 COATING COMPLYING WITH ASTM A525.
- 2. SEE TYPICAL DETAILS FOR REINFORCING OF DECK AROUND OPENINGS. CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF OPENINGS WITH THE VARIOUS TRADES. NO LOADS SHALL BE HUNG FROM DECK WITHOUT APPROVAL OF SEOR.
- FLOOR AND ROOF DECK IS DESIGNED FOR UNSHORED CONSTRUCTION. UNO. MAINTAIN 3 SPAN CONDITION WHEREVER POSSIBLE (2 SPAN MIN) EXCEPT AT STAIR LANDING AND WHERE NOTED OTHERWISE ON PLANS.
- 4. PROVIDE 2" MINIMUM BEARING AT ALL SUPPORTS. END LAPS OF METAL DECK SHALL BE A MINIMUM OF 2" AND SHALL OCCUR ONLY OVER SUPPORTS. DECK SHALL BE LAID OUT SO THAT A LOW FLUTE FALLS ON EACH PARALLEL SUPPORT.
- 5. INSTALL DECK BY WELDING. USE 3/4" DIAMETER PUDDLE WELDS OR WELDED STUDS TO SUPPORTS SPACED AS SHOWN ON CONSTRUCTION DRAWINGS. SPACING FOR TOP SEAM, SIDE SEAM, BUTTON PUNCH, OR PUNCHLOK CONNECTION SHALL BE IN ACCORDANCE WITH DRAWINGS. SEE TYPICAL METAL DECK DETAILS.
- 6. SUBMIT SHOP DRAWINGS FOR METAL DECK TO THE SEOR FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW TYPE OF DECK, LAYOUT OF DECK, THE SIZE AND LOCATION OF ANY OPENINGS OF WIDTH GREATER THAN 1'-0", AND ATTACHMENT METHOD.
- 7. ALTERNATES TO TYPE OF DECK AND FASTENING MAY BE USED WITH THE APPROVAL OF THE SEOR. DECK PROPERTIES SHALL BE EQUAL TO OR GREATER THAN THOSE SHOWN ON THE PLANS. ANY DECK OR METHOD OF FASTENING SHALL HAVE LATEST EVALUATION REPORT PER CURRENT CODE APPROVING THE DECK FOR THE APPLICATION
- METAL DECK WITH CONCRETE FILL SHALL HAVE POSITIVE VENTING. DO NOT EMBED PIPES, SLEEVES, CONDUIT, ETC IN CONCRETE TOPPING UNO.
- 9. CONCRETE FILL OVER METAL DECK SHALL NOT BE OVER-POURED TO ACHIEVE LEVEL FLOOR.

# COLD-FORMED STEEL FRAMING NOTES:

- DESIGN, FABRICATION AND ERECTION OF COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AS CONTAINED IN THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION, INCLUDING ALL APPLICABLE AMENDMENTS.
- 2. ALL COLD-FORMED STEEL FRAMING SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- 3. COLD-FORMED STEEL GRADES: A. 18 GA (43 MILS) OR THINNER ......ASTM A1003 GRADE 33 (FY = 33 KSI)

SECTION D3 OF THE AISI SPECIFICATION.

- 4. ALL COLD-FORMED STEEL FRAMING SHALL BE BRACED AS REQUIRED BY
- SUBMIT COLD-FORMED STEEL FRAMING SHOP DRAWINGS AND SPECIFICATIONS TO THE SEOR FOR REVIEW PRIOR TO FABRICATION.
- 6. COLD-FORMED STEEL STUDS AND TRACKS ARE TO BE ATTACHED WITH SHEET METAL SCREWS (SMS) WITH SIZES CALLED OUT ON THE DETAILS PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN 3 EXPOSED THREADS. SCREWS ARE TO BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SCREW MANUFACTURER'S RECOMMENDATIONS.
- 7. ALL HOLES FOR BOLTS SHOULD BE SHALL BE STANDARD HOLES.
- 8. GALVANIZED COATING SHALL COMPLY WITH ASTM A924.
- COLD-FORMED STEEL FRAMING SHALL BE PER STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA), ICC ER-3064P.

### DESIGN BUILD BRICK VENEER SUPPORT & ANCHORAGE NOTES:

- BRICK VENEER CONTRACTOR TO PROVIDE CALCULATIONS, DETAILS AND PLANS OF ALL BRICK VENEER SUPPORTS, LINTELS AND ANCHORAGE, DESIGNED PER 2019 CBC.
- 2. SUBMIT PLANS AND CALCULATIONS STAMPED AND SIGNED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

NO.	BY:	REVISION COMMENTS	CALEXICO	CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231• Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	APPROVED BY:		SEAL
			"Where California Gnd Mexice Meet"		ENGINEER	DATE	

B. 16 GA (54 MILS) AND THICKER ......ASTM A1003 GRADE 50 (FY = 50 KSI)

# PRODUCT APPROVALS:

- FOR ALL ITEMS ON THE CONSTRUCTION DOCUMENTS NOT NOTED WITH A SPECIFIC PRODUCT TYPE OR MANUFACTURER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED IN THE TABLE BELOW.
- 2. THE FOLLOWING PRODUCTS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE REFERENCED PRODUCT APPROVALS BELOW, UNO.
- 3. AT CONTRACTOR'S OPTION, PRODUCTS MAY BE SUBSTITUTED FOR LIKE PRODUCTS PER THE SCHEDULE BELOW IF APPROVED BY SEOR

PRODUCTS PER THE SCHEDULE BELOW IF APPROVED BY SEOR.				
ITEM	APPROVED PRODUCTS	ICC#	IAPMO ER	
	HILTI KWIK BOLT TZ	ESR-1917	-	
EXPANSION ANCHOR TO CONCRETE	SIMPSON STRONG-BOLT-2	ESR-3037	-	
CONCRETE	DEWALT POWER STUD+ SD2	ESR-2502	-	
EXPANSION	HILTI KWIK BOLT 3	ESR-1385	-	
ANCHOR TO MASONRY	SIMPSON STRONG-BOLT 2	-	ER-0240	
MASONKT	DEWALT POWER STUD+ SD1	ESR-2966	-	
SCREW	SIMPSON TITEN HD SCREW ANCHOR	ESR-2713	-	
ANCHOR TO CONCRETE	HILTI KH-EZ	ESR-3027	-	
CONCRETE	DEWALT SCREW-BOLT+	ESR-3889	-	
SCREW	SIMPSON TITEN HD SCREW ANCHOR	ESR-1056	-	
ANCHOR TO MASONRY	HILTI KH-EZ	ESR-3056	-	
MAGONIN	DEWALT SCREW-BOLT+	ESR-4042	-	
EPOXY	HILTI HIT-HY 200	ESR-3187	-	
ANCHOR TO CONCRETE	SIMPSON SET-XP	ESR-2508	-	
CONCILIE	DEWALT PURE 110+	ESR-3298	-	
EPOXY	HILTI HIT-HY 200	ESR-3963	-	
ANCHOR TO MASONRY	SIMPSON SET-XP	-	ER-0265	
MAGONIN	DEWALT AC100+ GOLD	ESR-3200	-	
	HILTI LOW-VELOCTIY X-U UNIVERSAL POWER-DRIVEN	ESR-2269	-	
SHOTPIN	SIMPSON POWER-DRIVEN	ESR-2138	-	
	RAMSET POWER-DRIVEN	ESR-1799	-	
SHEET	HILTI KWIK-PRO SDS	ESR-2196	-	
METAL SCREW	DRIL-FLEX SDS	ESR-3332	-	
WELD STUD /ANCHORS	NELSON BAR ANCHORS/STUD	ESR-2907	-	



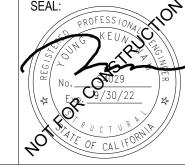
ENGINEER

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Project No: H612

ENGINEER OF WORK:

DATE



FILE NAME: LAST REVISED:

AN & RM	
YN & JA	
03/24/2022	
ICTC	

PROJECT DESCRIPTION:

### CALEXICO INTERMODAL TRANSIT CENTER

GENERAL NOTES

SHEET TITLE:

S-0.4

# FOR $\cap$ SHEET: 85 Σ SU OF 200% 143

# STATEMENT OF SPECIAL INSPECTIONS:

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

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- 6. WORK REQUIRING SPECIAL INSPECTION SHALL BE INSPECTED BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED AND AT THE COMPLETION OF WORK. CONTINUOUS INSPECTION CONSISTS OF FULL-TIME INSPECTION; PERIODIC INSPECTION CONSISTS OF PART-TIME OR INTERMITTENT INSPECTION.
- 7. THE FOLLOWING SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE BUILDING OFFICIAL. THIS LIST IS NOT INTENDED TO BE ALL INCLUSIVE.

TABLE 1705.3							
	REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION						
	VERIFICATION AND INSPECTION	CONTIN UOUS	PERI ODIC	REFERENCED STANDARD <sup>a</sup>	CBC REFERENCE		
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	-	х	ACI 318: 3.5, 7.1-7.7	-		
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705A.2.1, ITEM 5B.	-	-	AWS D1.4; ACI 318: 3.5.2	-		
3.	INSPECTION OF ANCHORS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	x	-	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1		
4.	INSPECTION OF ANCHORS POST- INSTALLED IN HARDENED CONCRETE. <sup>b</sup>	-	х	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1		
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	-	х	ACI 318: CH 4, 5.2-5.4	1904.2, 1910.2, 1910.3		
6.	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	x	-	ASTM C172 ASTM C31; ACI 318: 5.6, 5.8	1910.10		
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	x	-	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8		
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	х	ACI 318: 5.11-5.13	1910.9		
9.	INSPECTION OF PRESTRESSED CONCRET	E:					
	A. APPLICATION OF PRESTRESSING FORCES.	x	-	ACI 318: 18.20	-		
	B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORECE-RESISTING SYSTEM	x	-	ACI 318: 18.18.4	-		
10.	ERECTION OF PRECAST CONCRETE MEMBERS.	-	Х	ACI 318: CH 16	-		
11.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		х	ACI 318: 6.2	-		
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. <sup>©</sup>	-	х	ACI 318: 6.1.1	-		

FOR SI: 1 INCH = 25.4 MM

- a. WHERE APPLICABLE, SEE ALSO SECTION 1705A.11, SP SEISMIC RESISTANCE.
- b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTIONS THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE
- IN ACCORDANCE WITH ACI 355.2 OR SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK. c. INSTALLATION OFF ALL ADHESIVE ANCHORS IN THE HORIZONTAL AND
- UPWARDS INCLINED POSITIONS SHALL BE PERFORMED BY AN ACI/CRSI CERTIFIED ANCHOR INSTALLER TARI E 1705 6

TABLE 1705.6						
	VERIFICATION AND INSPECTION TASK		Dl	TINUOUS JRING ( LISTED	PERIODICALLY DURING TASK LISTED	
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACIT	ΓY		-	х	
2.	VERIFY EXCAVATIONS ARE EXTENDED T PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	0		-	Х	
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	G		-	Х	
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DUR PLACEMENT AND COMPACTION OF COMPACTED FILL.	ING		х	-	
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEE N PREPARED PROPERLY.			-	X	
	TA	ABLE 17	705.2.1			
	REQUIRED VERIFICATION AND	) INSPE	CTION	OF STEEL	CONSTRUCTION	
	VERIFICATION AND INSPECTION	CONTIN	IUOUS	PERIODIC	REFERENCED STANDARD	CBC REFERENCE
	1. MATERIAL VERIFICATION OF HIGH-	STREN	GTH B	OLTS, NUT	S AND WASHERS:	
A.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	х	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL	-
B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.			x	STANDARDS	-
	2. INSPECTION OF HIGH-STRENGTH E	BOLTIN	G:		I	
A.	SNUG-TIGHT JOINTS.	-	-	Х		
В.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCH MARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	-	-	Х	AISC 360,	-
C.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCH MARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	>	<	-	SECTION M2.5	
	3. MATERIAL VERIFICATION OF STRUE	CTURA	L STEE	EL AND COI	_D-FORMED STEEI	_ DECK:
A.	FOR STRUCTURAL STEEL, DENTIFICATION MARKINGS TO CONFORM TO AISC 360.	-		x	AISC 360, SECTION A3.1	2203.1
В.	FOR OTHER STEEL. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE PPROVED CONSTRUCTION DOCUMENTS.	-		х	APPLICABLE ASTM MATERIAL STANDARDS	-
C.	MANUFACTURER'S CERTIFIED TEST REPORTS.	-	-	Х	-	-

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PECIAL INSPECTIONS FOR	
IS SHALL BE INCLUDED IN	

TABLE 1	705.2.1 (CONTI	NUED)				
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION						
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	CBC REFERENCE		
4. MATERIAL VERIFICATION OF WELI	D FILLER MATE	RIALS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	x	-	_		
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	х	-	-		
5. INSPECTION OF WELDING:						
A. STRUCTURAL STEEL AND COLD	-FORMED STEE	EL DECK:				
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	Х	-				
2) MULTIPASS FILLET WELDS.	Х	-				
3) SINGLE-PASS FILLET WELDS > 5/16"	Х	-	AWS D1.1	1705.2.2		
4) PLUG AND SLOT WELDS.	Х	-				
5) SINGLE-PASS FILLET WELDS < 5/16"	-	X				
6) FLOOR AND ROOF DECK WELDS.	-	X	AWS D1.3	-		
B. REINFORCING STEEL.		1		1		
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	-	х				
2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	х	-	AWS D1.4 ACI318: SECTION 3.5.2	_		
3) SHEAR REINFORCEMENT.	Х	-				
4) OTHER REINFORCING STEEL.	-	Х				
6. INSPECTION OF STEEL FRAME JO	INT DETAILS FO	OR COMPLI	ANCE.			
A. DETAILS SUCH AS BRACING AND STIFFENING.	-	x				
B. MEMBER LOCATIONS.	-	Х	-	1705.2.2		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	-	х				



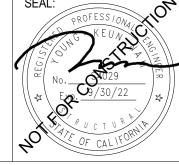
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### CALEXICO INTERMODAL TRANSIT CENTER

GENERAL NOTES

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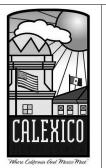
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		TMS LEVEL 2 REQUIRED VERIFICATION	602-16 TABLE 4			
		LEVEL 2 REQUIRED VERIFICATION				
		VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	TMS 402/ ACI 530/ ASCE 5	TMS 602/ACI 530.1/ASCE 6
1.		MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE LLOWING ARE IN COMPLIANCE:				
	Α.	PROPORTIONS OF SITE-PREPARED MORTAR	-	Х	-	ART. 2.1, 2.6 A, & 2.6 C
	В.	GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	-	Х	-	ART. 2.4 B & 2.4
	C.	GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	Х	-	ART. 3.4 & 3.6 A
	D.	PRESTRESSING TECHNIQUE	-	Х		ART. 3.6 B
	E.	PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X <sup>(b)</sup>	X <sup>(c)</sup>	-	ART. 2.1 C.1
	F.	SAMPLE PANEL CONSTRUCTION	-	Х	-	ART. 1.6 D
2.		IOR TO GROUTING, VERIFY THAT THE FOLLOWING E IN COMPLIANCE:				
	Α.	GROUT SPACE	-	Х	-	ART. 3.2 D & 3.2 I
	В.	PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	-	Х	SEC. 10.8 & 10.9	ART. 2.4 & 3.6
	C.	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	-	Х	SEC 6.1, 6.3.1, 6.3.6, & 6.3.7	ART. 3.2 E & 3.4
	D.	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	-	Х	-	ART. 2.6 B & 2.4 G.1.b
3.	1	RIFY COMPLIANCE OF THE FOLLOWING DURING NSTRUCTION:				
	А.	MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	-	Х	-	ART. 1.5
	В.	PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION	-	Х	-	ART. 3.3 B
	C.	SIZE AND LOCATION OF STRUCTURE MEMBERS	-	Х	-	ART. 3.3 F
	D.	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	-	Х	SEC. 1.2.1(e), 6.2.1, & 6.3.1	-
	E.	WELDING OF REINFORCEMENT	X	-	SEC.6.1.6.1.2	-
	F.	PREPARATION, CONSTRUCTION, AND PROTECTION OD MASONRY DURING COLD WETHER (TEMPERATURE BELOW 40°F(4.4°C))OR HOT WEATHER (TEMPERATURE ABOVE90°F(32.2°C))		Х	-	ART. 1.8 C & 1.8 E
	G.	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X		-	ART. 3.6 B
	Н.	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X		-	ART. 3.5 & 3.6 C
	Ι.	PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X <sup>(b)</sup>	X <sup>(c)</sup>	-	ART. 3.3 B.9 & 3.3 F.1.b
4.		SERVE PREPARATION OF GROUT SPECIMENS, RTAR SPECIMENS, AND/OR PRISMS	-	х	-	ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, & 1.4 B.4

(a) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE LISTED TASK OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.

(b) REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY (c) REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY

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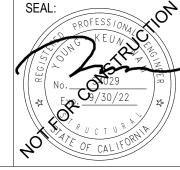
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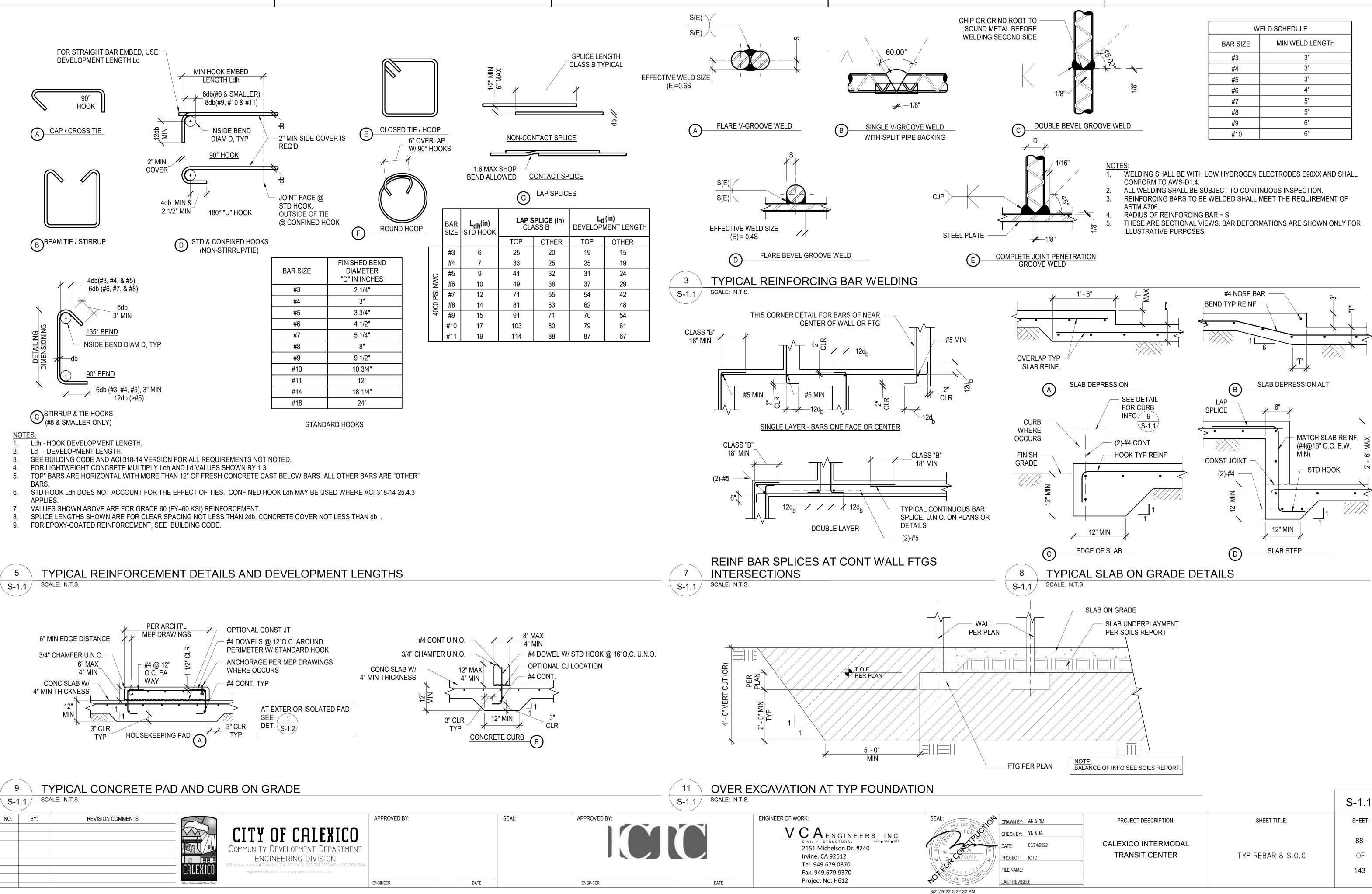
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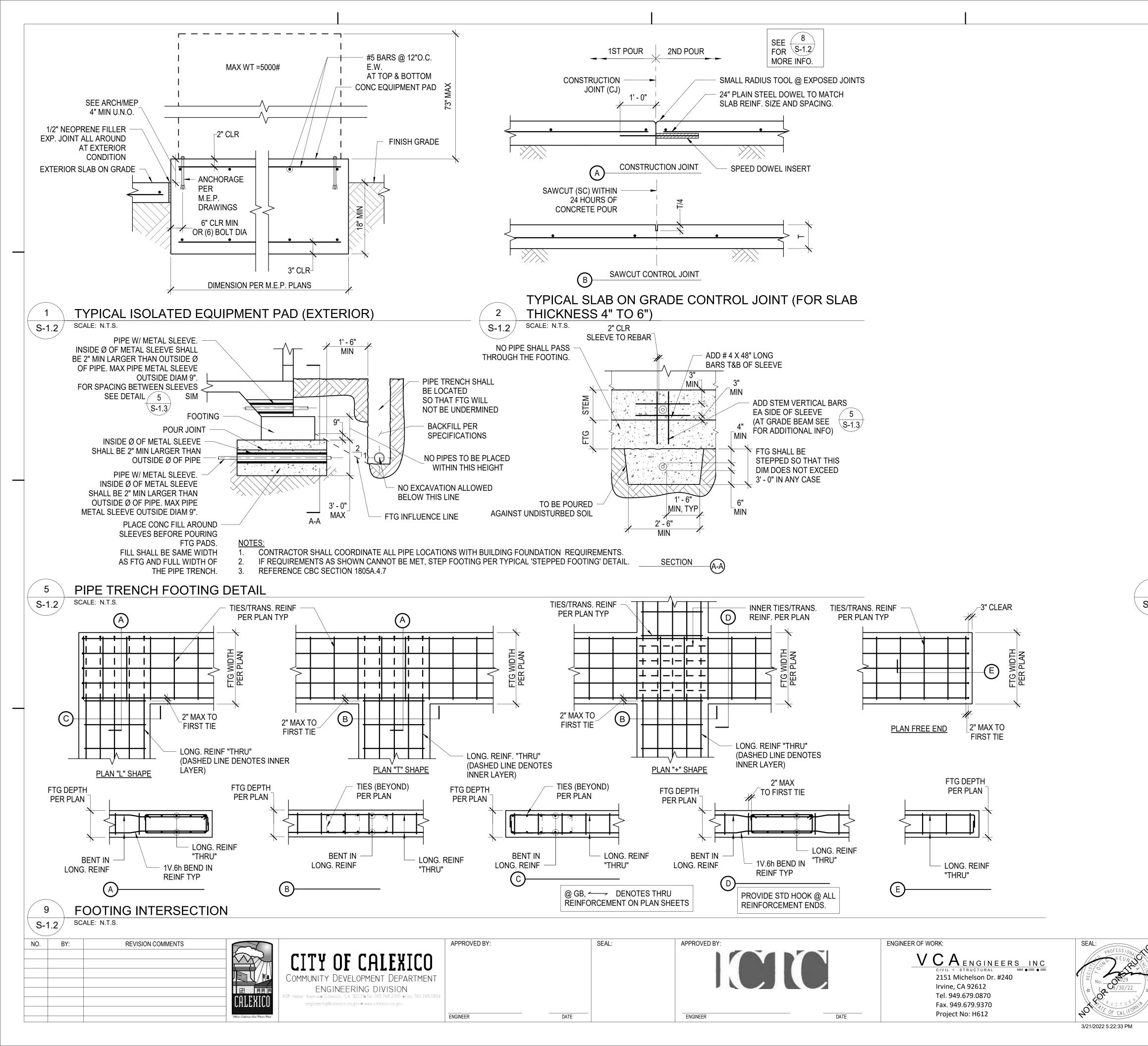
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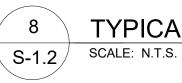
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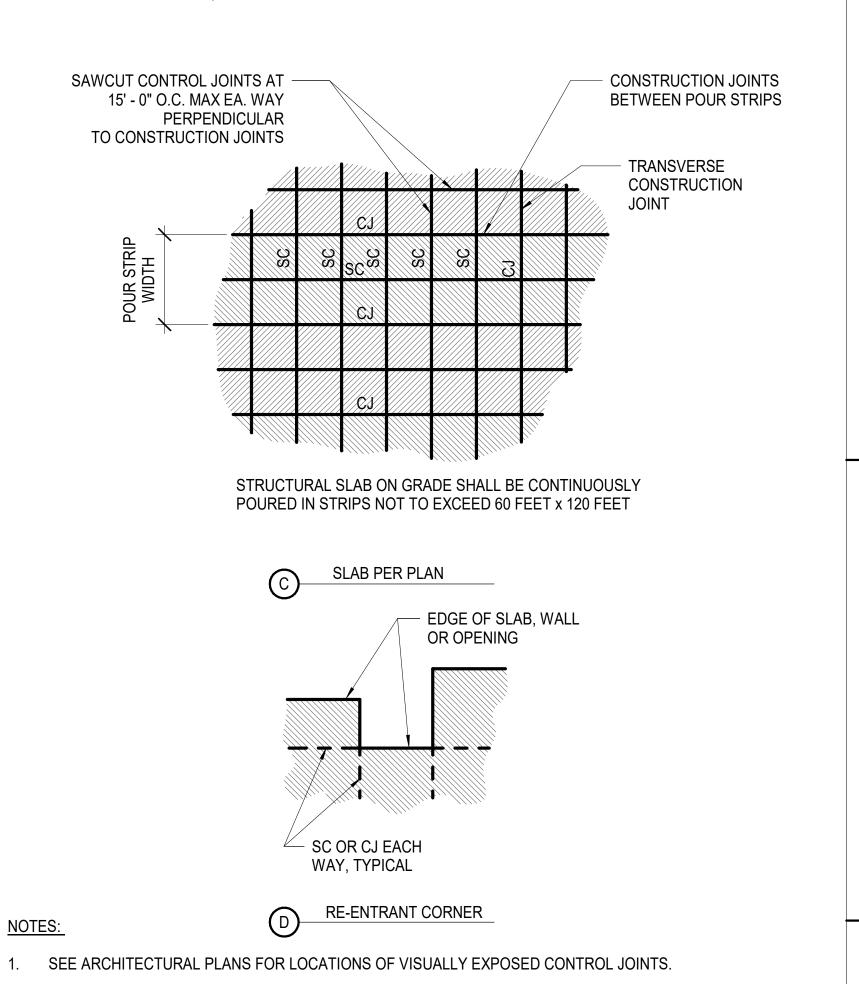
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- 2. FOR POURING SEQUENCE OTHER THAN THAT SHOWN ON THESE PLANS, SUBMIT SHOP DRAWINGS TO SEOR FOR REVIEW 7 DAYS PRIOR TO POUR.
- 3. FOR SAW CUT (SC) AND CONSTRUCTION JOINT (CJ) SEE DETAIL 2 / S-1.2
- 4. FOR TYPICAL SLAB EDGE AND STEPS IN SLAB SEE DETAIL 8 / S-1.1

# **TYPICAL SLAB ON GRADE CONTROL JOINT**

		S-1.2	
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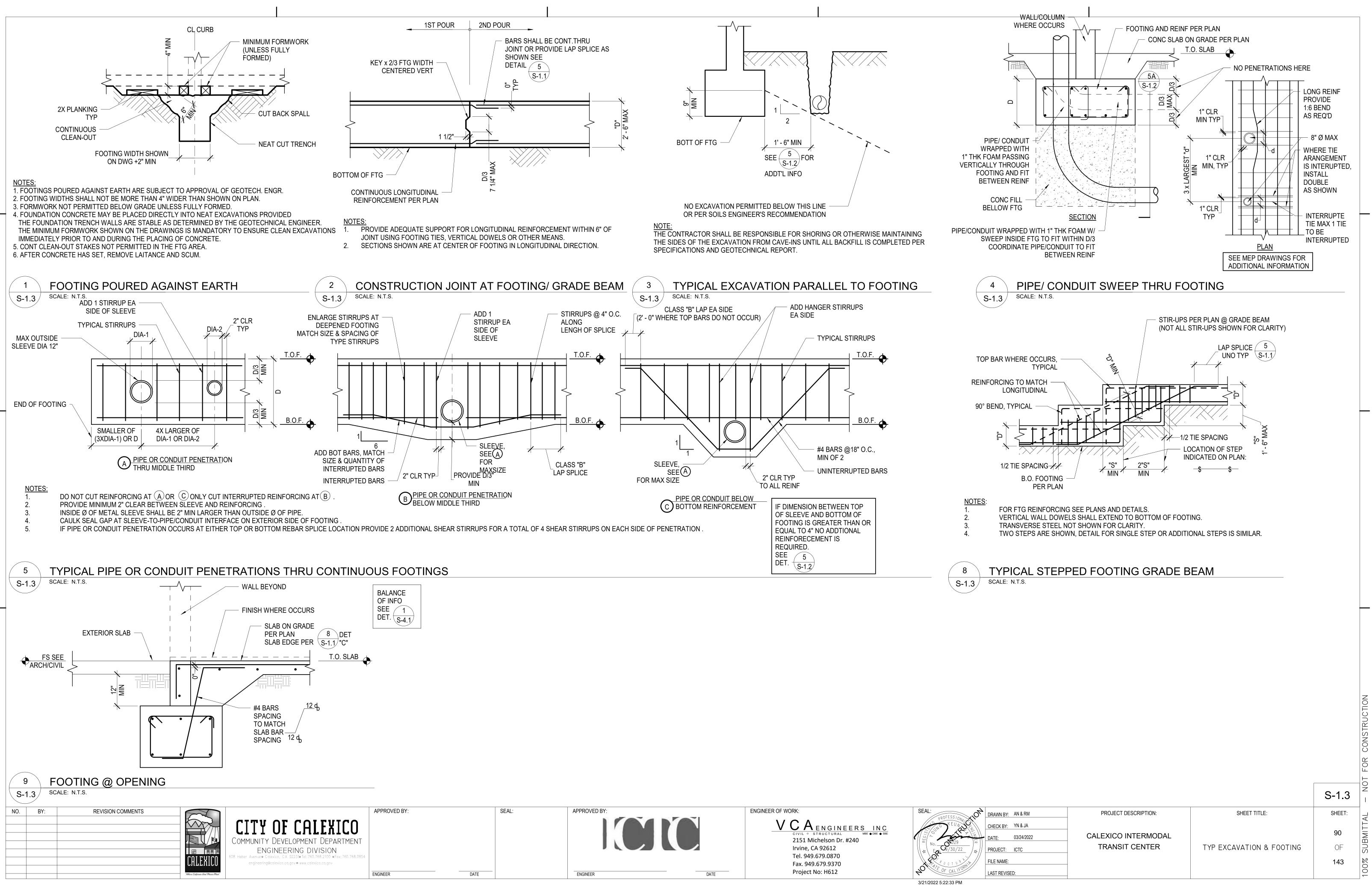
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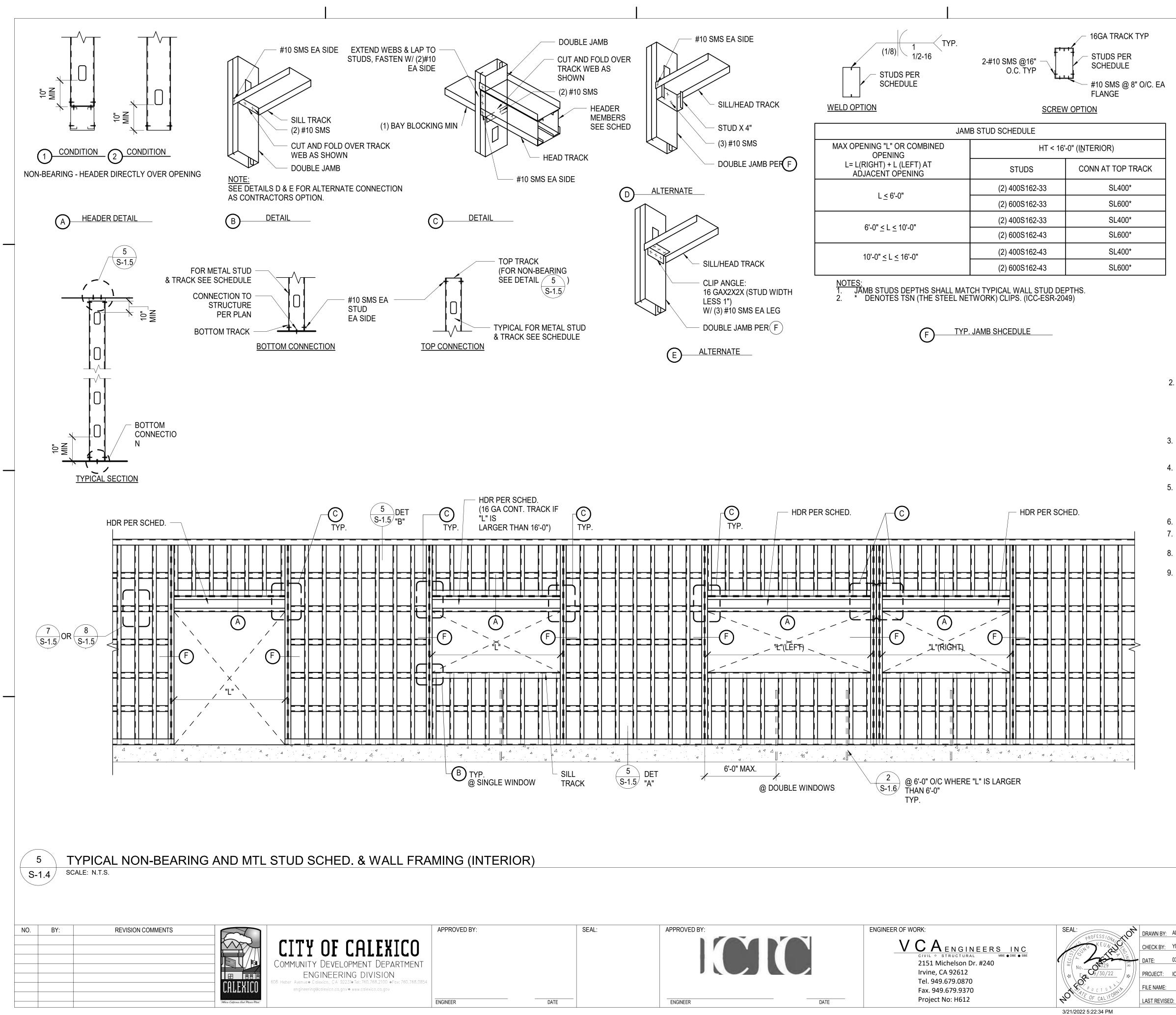
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### NOTES:

1. PROVIDE STUDS, TRACKS AND BRACING PER SCHEDULE BELOW:

METAL STUD SCHEDULE UNO ON PLAN REF: STEEL STUD MANUFACTURER'S ASSOCIATION (ESR-3064P)						
TRACK STUD SSMA PRODUCT STUD MINIMUM PROPERT						
	SIZE	IDENTIFICATION	SPACING	lx (in4)	Sx (irfl)	Ma (in-k)
BOTTOM TRACK	6"x1 1/2"x16GA	600T150-54	-	2.400	0.609	18.24
TOP TRACK	6"x1 1/2"x16GA	600T150-54	-	2.400	0.609	18.24
CAPPING TRACK	6"x2"x16GA	600T200-54	-	2.641	0.717	21.48

MAX HT FOR INTERIOR METAL STUD SIZE (1 5/8" FLANGE WIDTH) @ 16" O/C MAX LOAD= 7.5 PSF (L/240)						
	MEMBER WEB DEPTH					
GAUGE	2 1/2" 3 5/8" 4" 6" 8"					
14	-	17'-5"	18'-10"	26'-2"	33'-4"	
16	-	16'-4"	17'-8"	24'-6"	31'-1"	
18	11'-5"	15'-3"	16'-6"	22'-10"	29'-0"	

HEADER BEAM SCHEDULE (INTERIOR NON-BEARING PARTITIONS) MAX WIND = 5PSF				
SPAN "L"	CONDITION	LINTEL SIZE		
≤ 4' 0"	DET. A - 2	16 GA TRACK, WIDTH TO MATCH		
> 4' 0" -≤ 8' 0"	DET. A - 1	(2) 6"X20 GA METAL STUDS (600S162-33)		
> 8' 0" -≤ 12' 0"	DET. A - 1	(2) 6"X18 GA METAL STUDS (600S162-43)		
> 12' 0" -≤ 16' 0"	DET. A - 1	(2) 8"X16 GA METAL STUDS (800S162-54)		

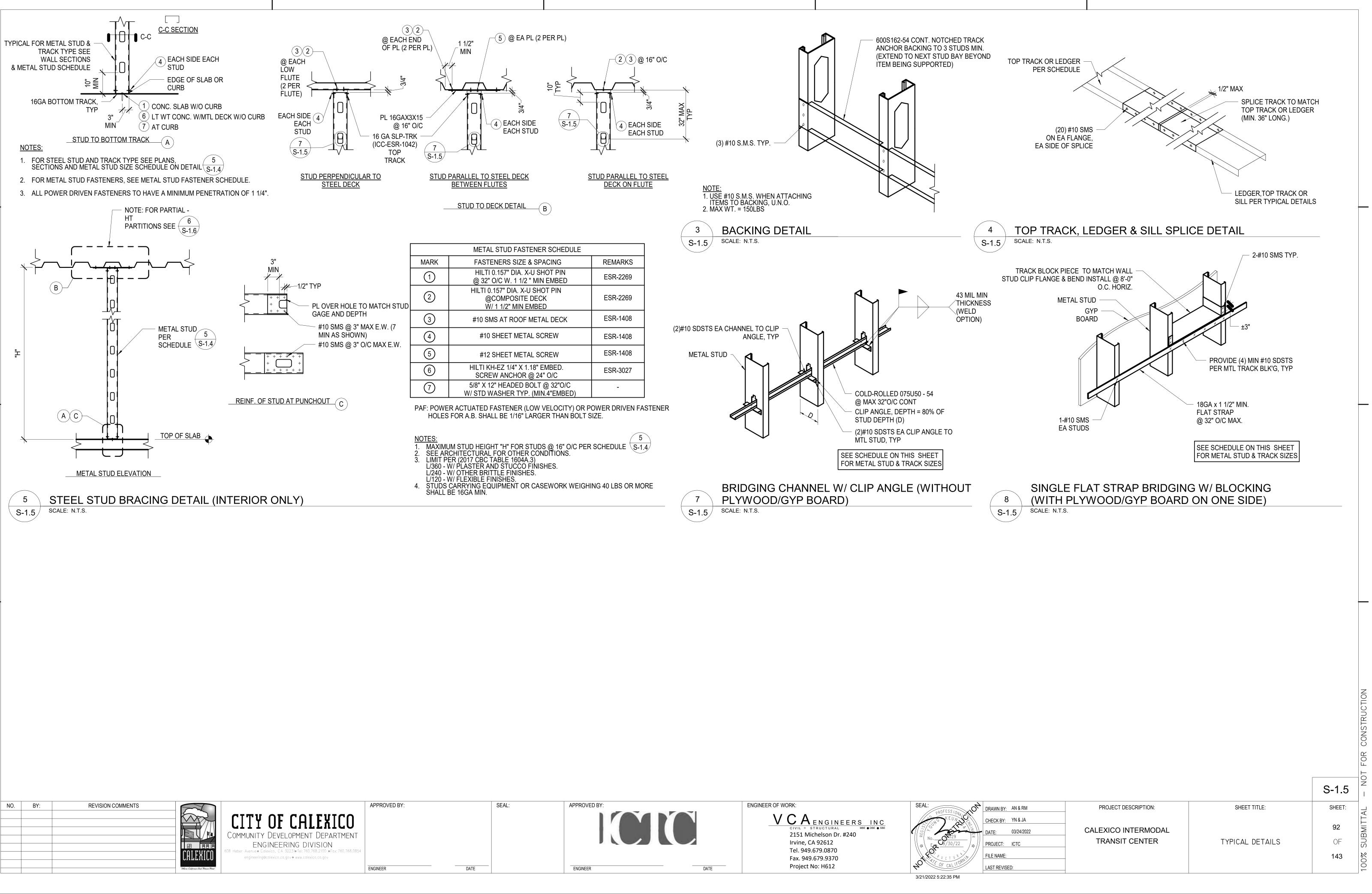
- 2. ALL STUDS AND TRACKS SHALL CONFORM TO ASTM A1003.
  - 18GA AND LIGHTER: MINIMUM YIELD POINT OF 33 KSI
  - 16GA AND HAVIER: MINIMUM YIELD POINT OF 50 KSI. ALL STUDS AND TRACKS SHALL BE MANUFACTURED BY CURRENT MEMBERS OF THE STEEL STUD C.
  - MANUFACTURERS ASSOCIATION (SSMA) LISTED IN ICC REPORT NO. ESR-3064P. ALL STUDS AND TRACKS SHALL COMPLY WITH ICC REPORT NO. ESR-3064P.
- 3. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON ANGLE (SUCH AS BRACING) TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY POSITION UNTIL PROPERLY FASTENED.
- 4. STUD AND TRACKS SHALL BE ATTACHED BY WELDING AND SHEET METAL SCREWS AS NOTED ON THE DRAWINGS.
- 5. MANUFACTURER PROVIDED PUNCH-OUTS MAY BE LOCATED ALONG THE CENTERLINE OF THE WEBS OF THE FRAMING MEMBERS. PUNCH-OUTS SHALL HAVE A MINIMUM CENTER-TO-CENTER SPACING OF 24". PUNCH-OUT SHALL HAVE A MAXIMUM WIDTH OF HALF THE MEMBER DEPTH OR 2 1/2", WHICHEVER IS LESS, AND MAXIMUM LENGTH OF 4 1/2".
- 6. SPLICES IN STUDS AND BRACES SHALL NOT PERMITTED.
- 7. ALL FRAMING SHALL BE COORDINATED WITH GLAZING MANUFACTURERS, MECHANICAL, ELECTRICAL, PLUMBING AND OTHER TRADES.
- 8. PROVIDE 0.08" THICK x 1.1" SQUARE OR 1.425" ROUND WASHERS FOR ALL POWDER ACTUATED FASTENERS.
- 9. LOCATE PUNCHOUTS 10" CLEAR OF CONNECTIONS. IF PUNCH IS CLOSER THAN 10" TO CONNECTION, SEE DETAIL 5 C S-1.5

CONSTRUCTION

FOR

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			S-1.4
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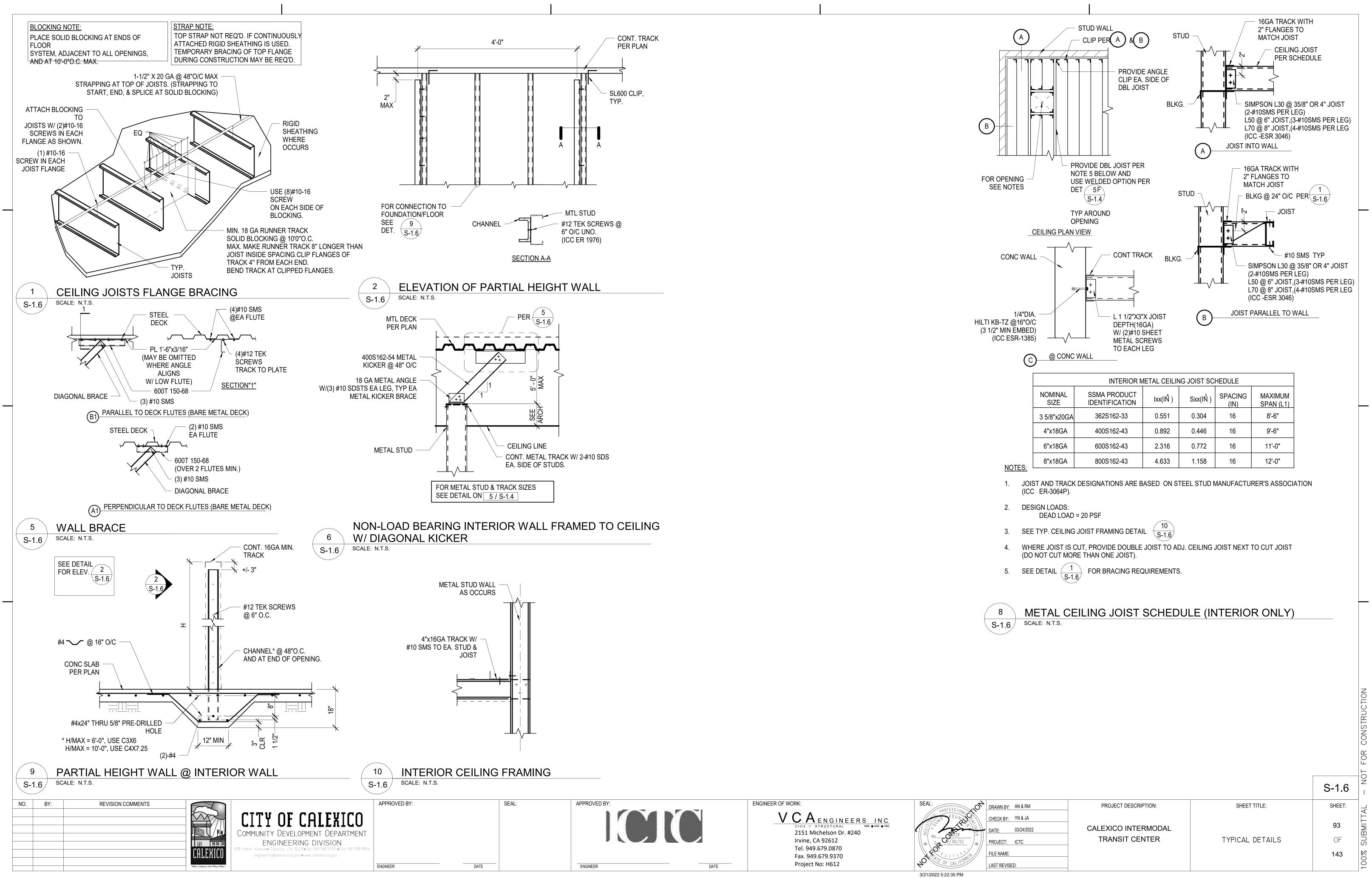
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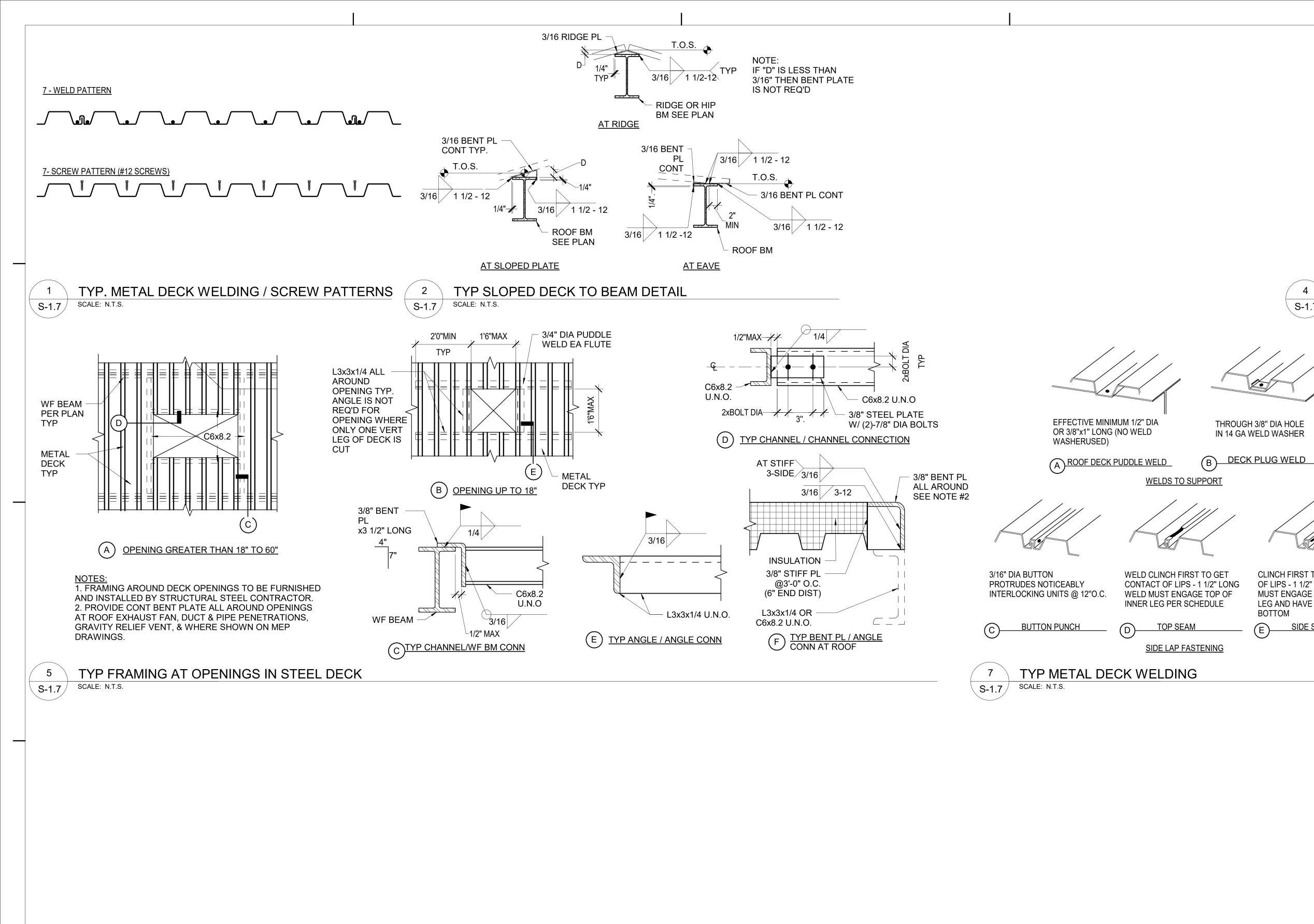






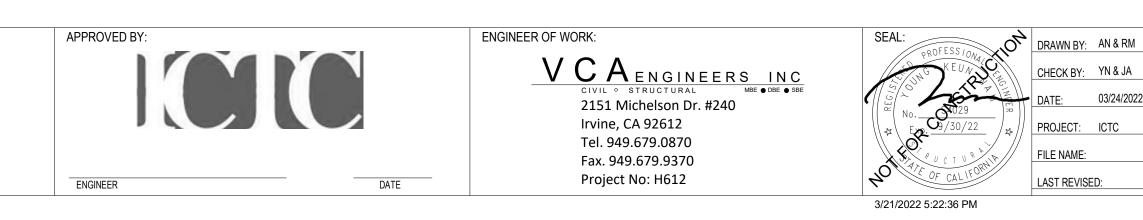


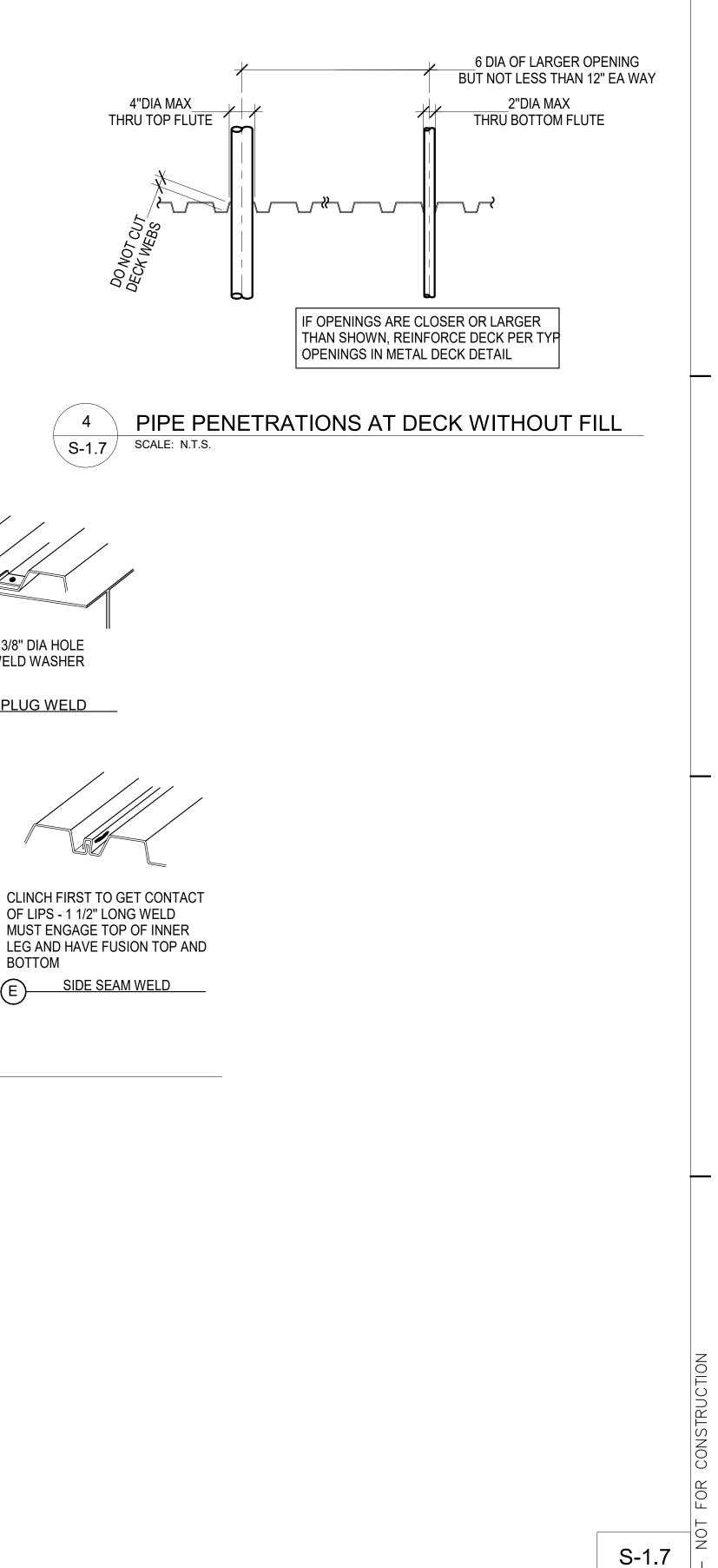
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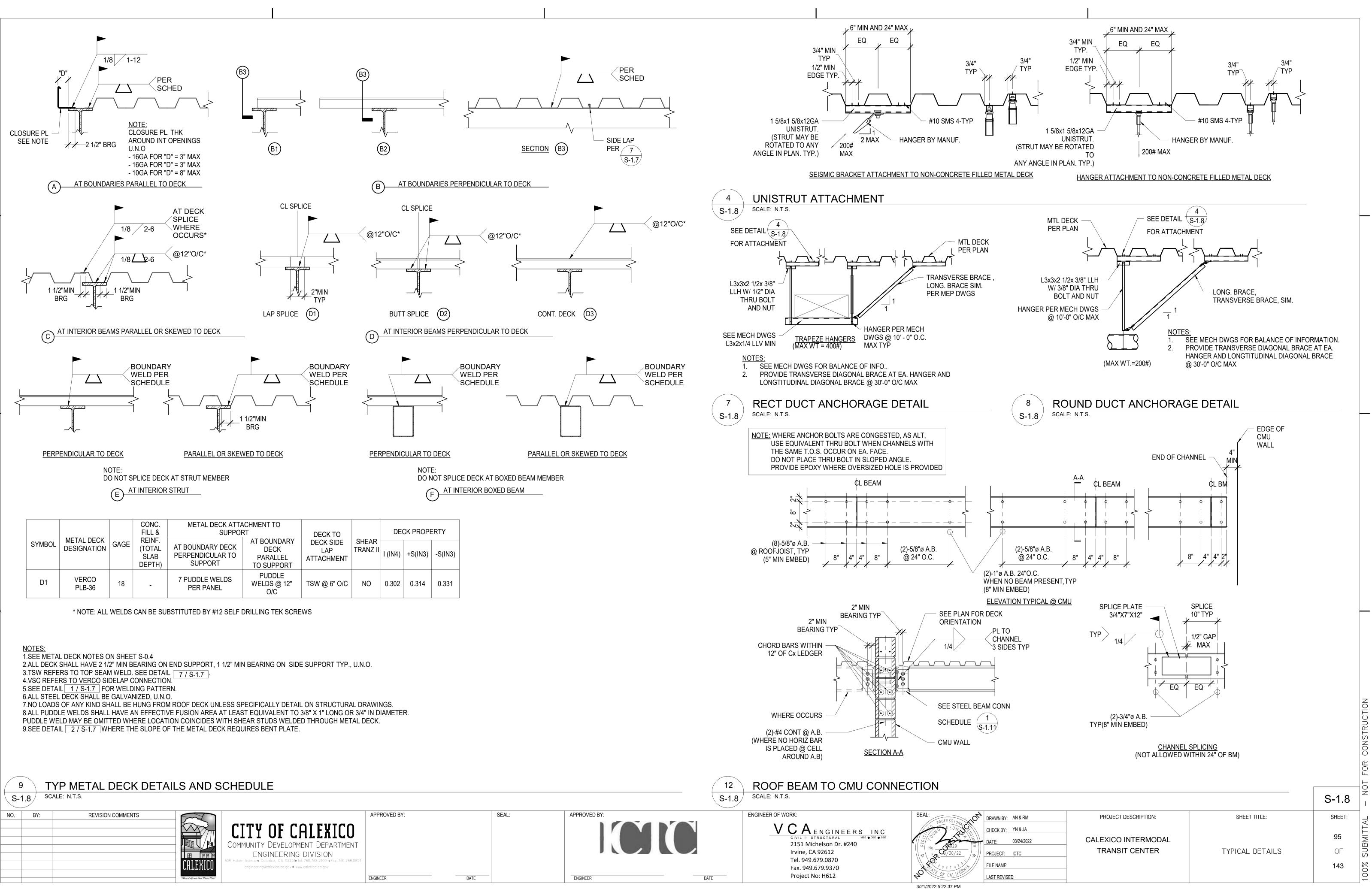
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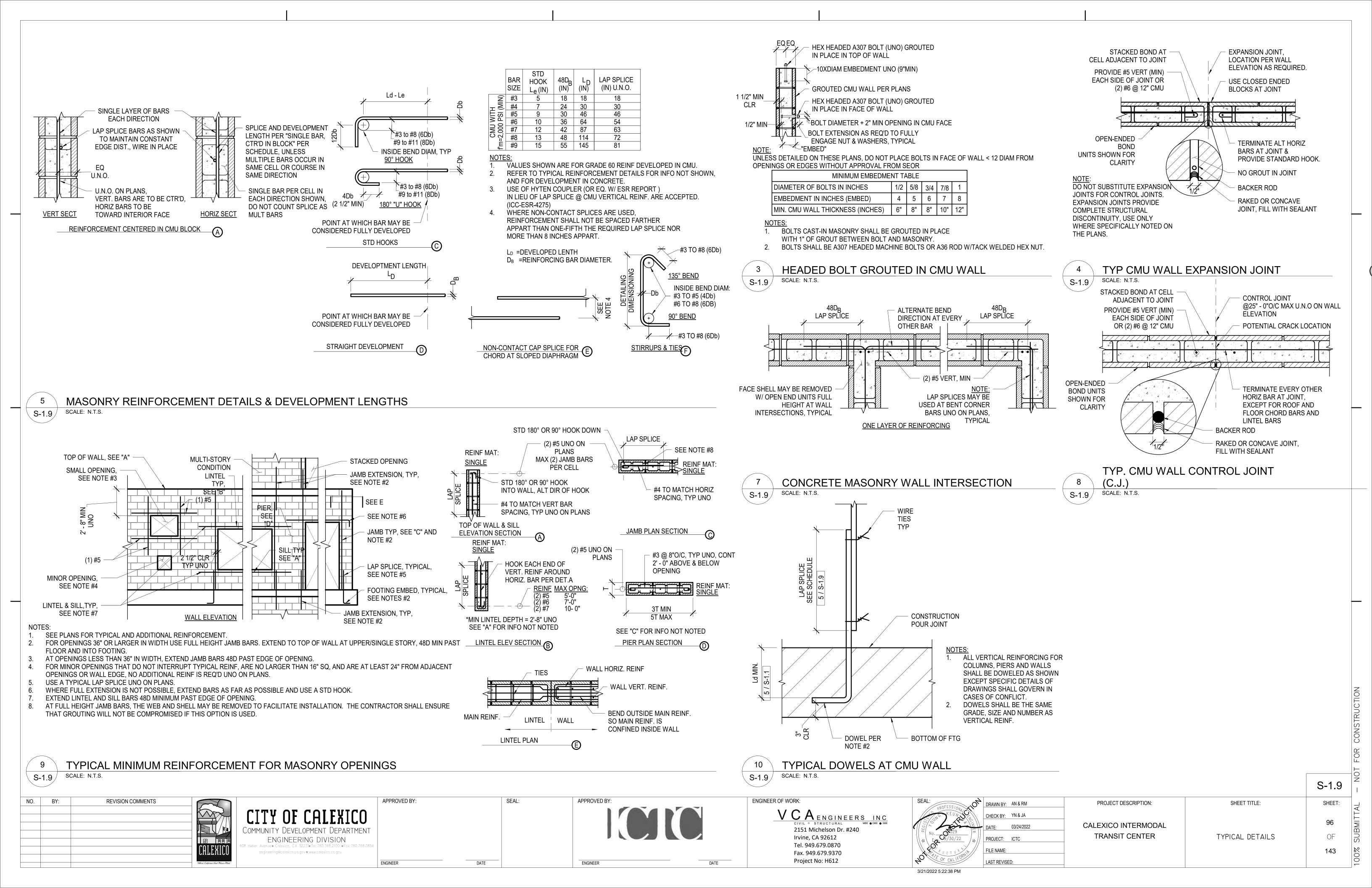
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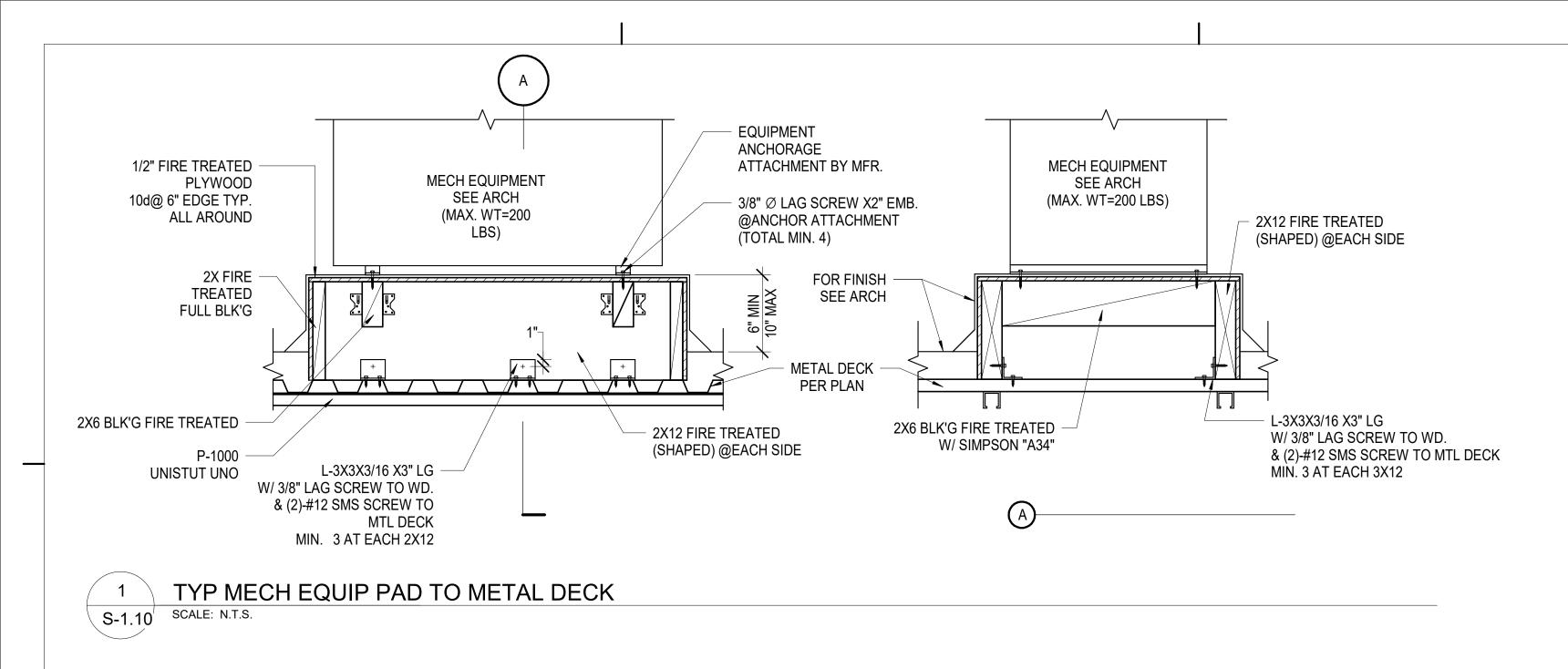
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	FILL		CONC. FILL &	METAL DECK ATTA SUPPOR	DECK TO	DECK PROPERTY				
SYMBOL	METAL DECK DESIGNATION	GAGE	REINF. (TOTAL SLAB DEPTH)	AT BOUNDARY DECK PERPENDICULAR TO SUPPORT	AT BOUNDARY DECK PARALLEL TO SUPPORT	DECK SIDE LAP ATTACHMENT	SHEAR TRANZ II	I (IN4)	+S(IN3)	-S(IN3)
D1	VERCO PLB-36	18	-	7 PUDDLE WELDS PER PANEL	PUDDLE WELDS @ 12" O/C	TSW @ 6" O/C	NO	0.302	0.314	0.331

9 TYP METAL DECK DETAI S-1.8 SCALE: N.T.S.	S AND SCHEDULE	
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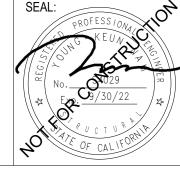
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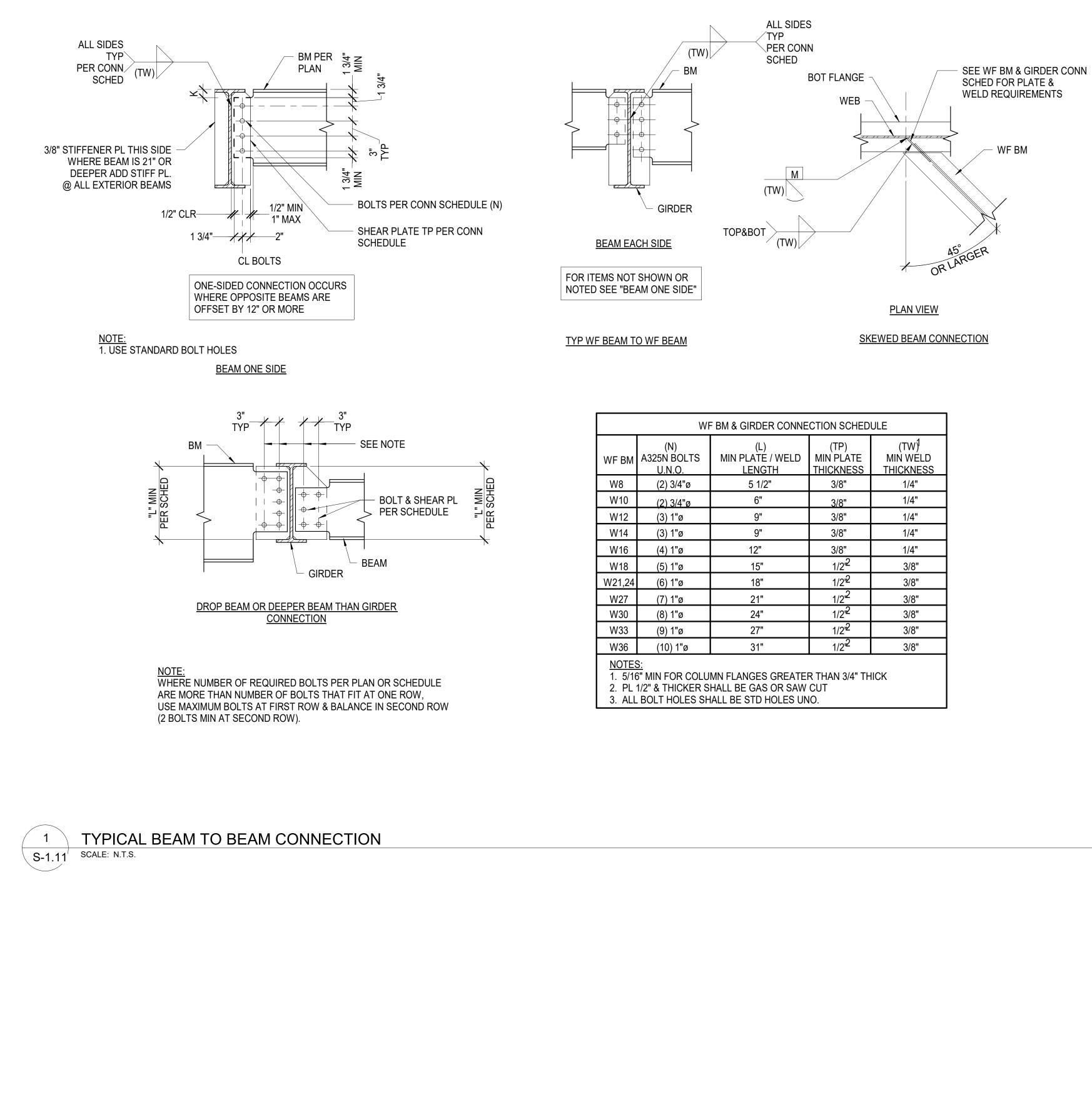
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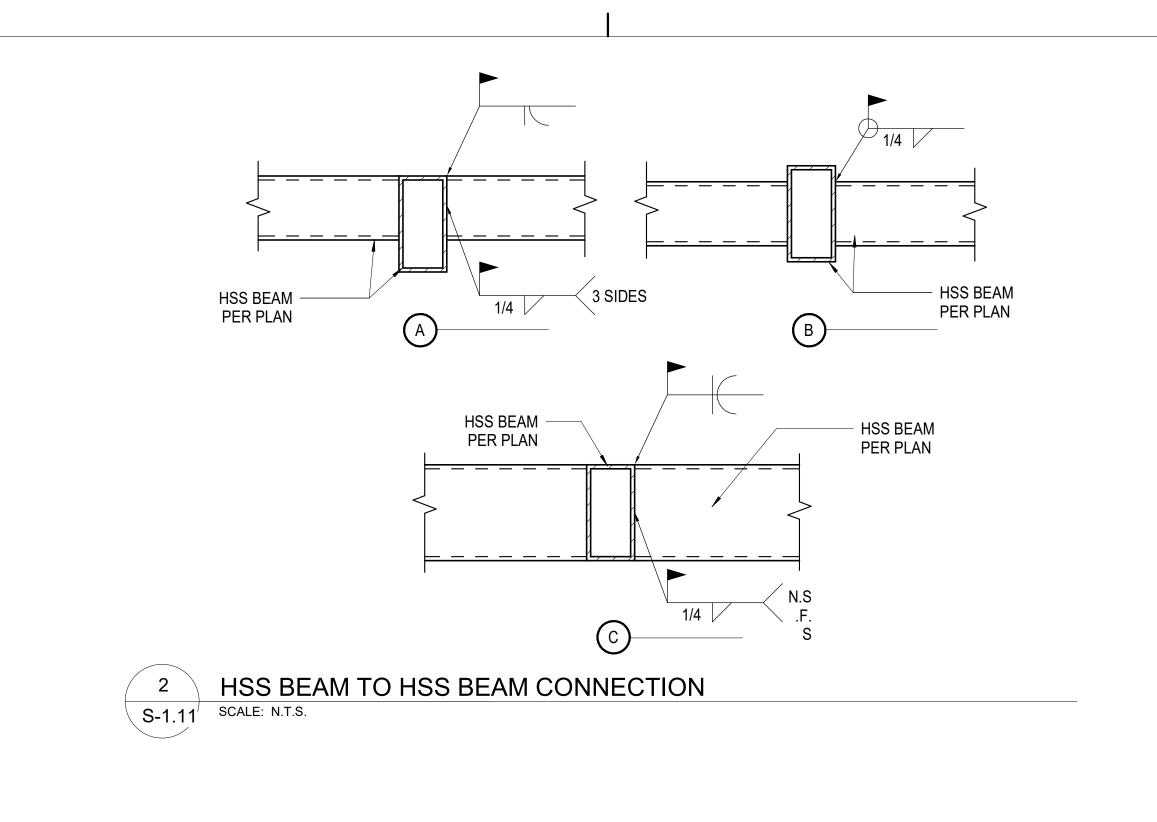
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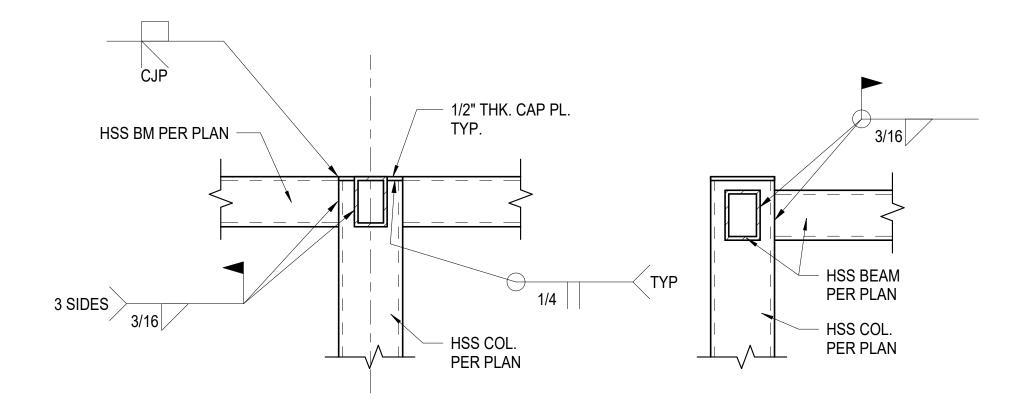
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BM & GIRDER CONNECTION SCHEDULE				
(L) MIN PLATE / WELD LENGTH	(TP) MIN PLATE THICKNESS	(TW) <sup>1</sup> MIN WELD THICKNESS		
5 1/2"	3/8"	1/4"		
6"	3/8"	1/4"		
9"	3/8"	1/4"		
9"	3/8"	1/4"		
12"	3/8"	1/4"		
15"	1/2" <sup>2</sup>	3/8"		
18"	1/2' <sup>2</sup>	3/8"		
21"	1/2' <sup>2</sup>	3/8"		
24"	1/2" <sup>2</sup>	3/8"		
27"	1/2" <sup>2</sup>	3/8"		
31"	1/2" <sup>2</sup>	3/8"		









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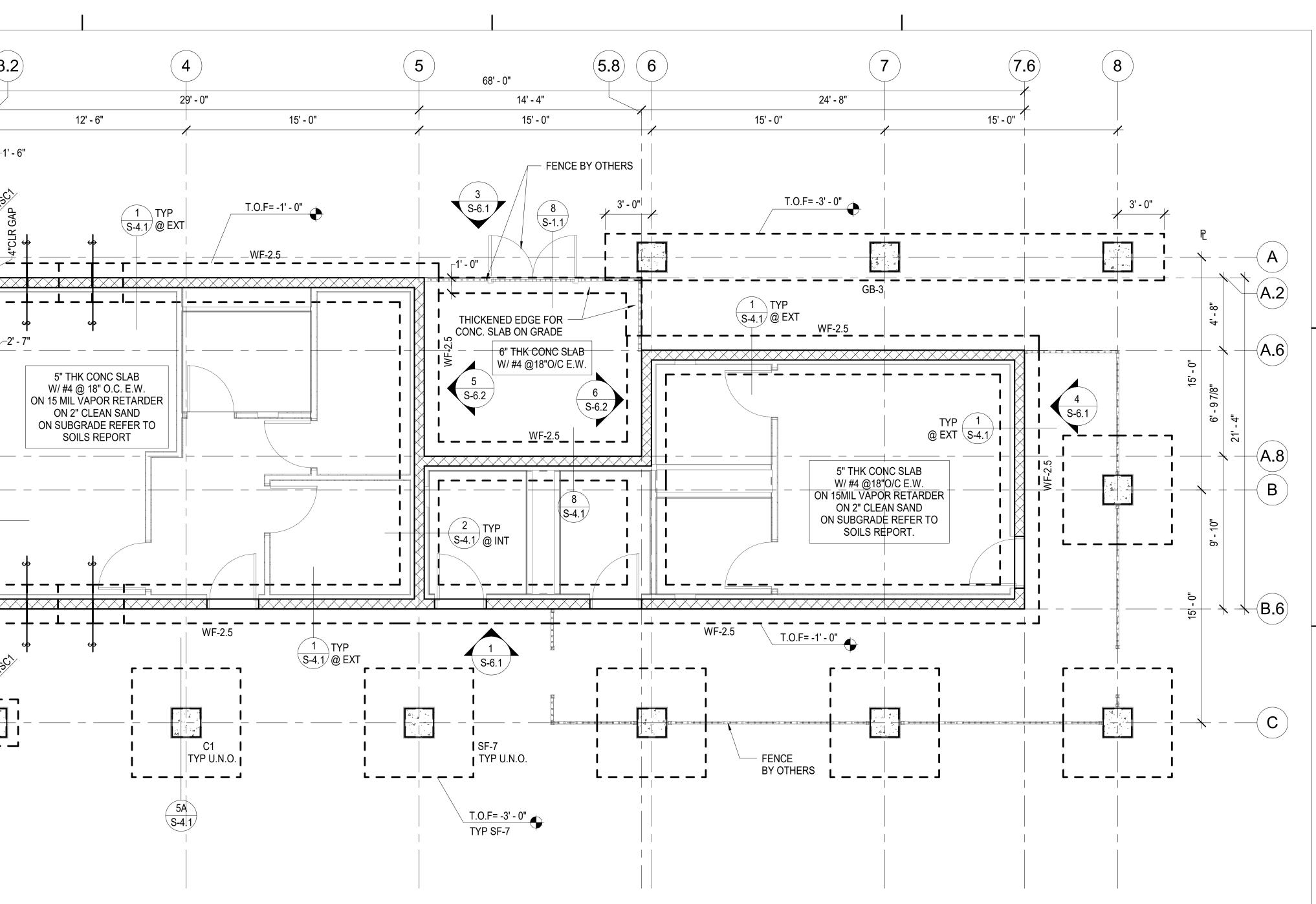
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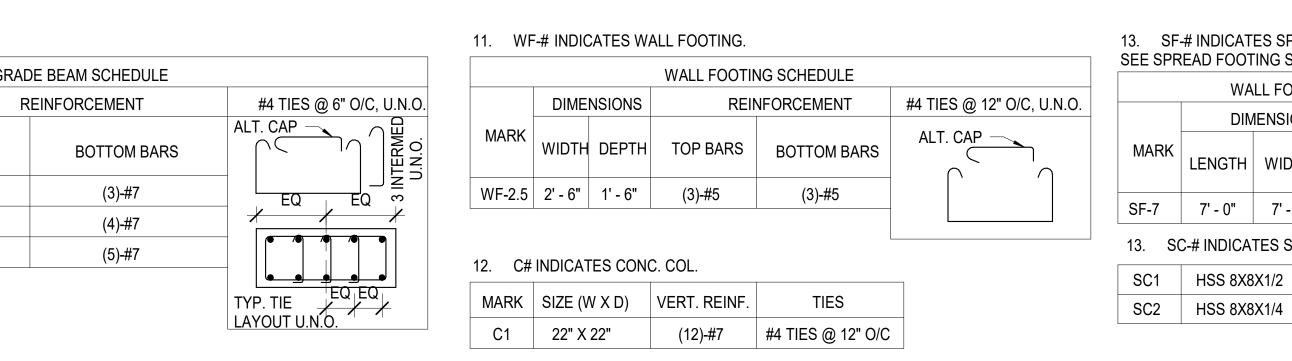
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	15' - 0"		1	5' - 0"			
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3' - 0"-\		    3'-0"			2		
					S-6.1		
	. <u> </u>	╴╶┼──┺╌╼┪── ┍╤╪╍┓ ╹			GB-4A		
- 5B - I - C C C C C C C C C C C C C C C C C				3			
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	(4) TYP (S-4.1) @ GB						
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	 	     <b>L</b>					C1NIS C1NIS
	GB-3			GB-3			<b>-</b>  -
		I					
1 BUILDING FOUNDATI SCALE: 1/4" = 1'-0"	ON PLAN						
FOUNDATION NOTES:		1	0. GB-#	# INDICA	TES GRADE	E BEAM.	
1. FOR GENERAL NOTES, SEE S-0.0 SERIES.		_		DIMENS	SIONS		GF
<ol> <li>FOR TYPICAL DETAILS, SEE S-1.0 SERIES.</li> <li>3. See Series and the series of the</li></ol>	DITIONAL INFORMAITON.		MARK	WIDTH I	DEPTH	TOP BAR	(S
4. SEE DETAIL ON SHEETS S-1.4 THRU S-1.6 FOR ALL	INTERIOR METAL STUDS WALL CO	INSTRUCTION.			2' - 0"	(3)-#7	
<ul> <li>6. TOP OF FOOTING (T.O.F.)= -X'-X" (U.N.O.)</li> <li>7. \$\$ INDICATES STEP IN FOOTING (</li> </ul>	8	-	GB-4 GB-4A		2' - 0" 2' - 0"	(4)-#7 (5)-#7	
8. INDICATES CONC. COL 5	5-1.3 7A						
INDICATES CONC. COL W/ STL PC							
0. BY: REVISION COMMENTS	S-4.1 S-4.1		AP	PROVED BY	·		
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	608 Heber Avenue • Calexico, CA 922	NG DIVISION 31º Tel: 760.768.2100  • Fax: 760.76					
	engineering@calexico.ca.gov	• www.calexico.ca.gov					

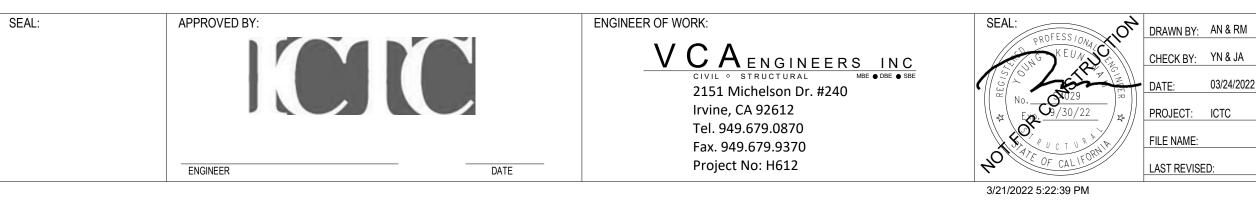
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### 13. SF-# INDICATES SPREAD FOOTING

SEE SPREAD FOOTING SCHEDULE FOR ADDITIONAL INFO.

WALL FOOTING SCHEDULE						
DIM	IENSIONS		REINFOR	RCEMENT		
NGTH	WIDTH	DEPTH	LONG	SHORT		
' - 0"	7' - 0"	18"	(6)-#6 T&B	(6)-#6 T&B		

### 13. SC-# INDICATES STEEL COL

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# 03/24/2022

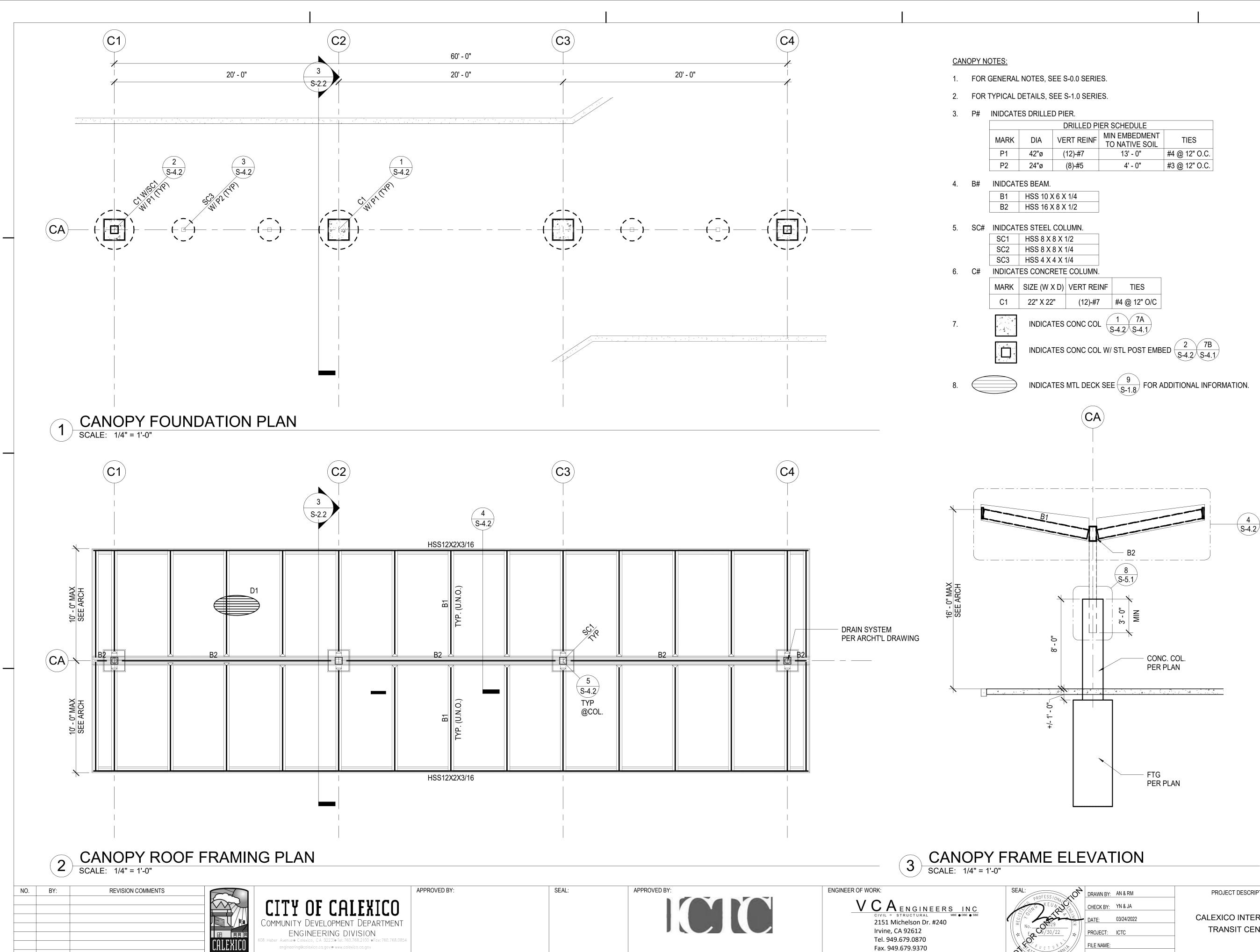
CALEXICO INTERMODAL

TRANSIT CENTER

PROJECT DESCRIPTION:

SHEET TITLE:

FOUNDATION PLAN



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SCHEDULE	
N EMBEDMENT	TIES
13' - 0"	#4 @ 12" O.C.
4' - 0"	#3 @ 12" O.C.

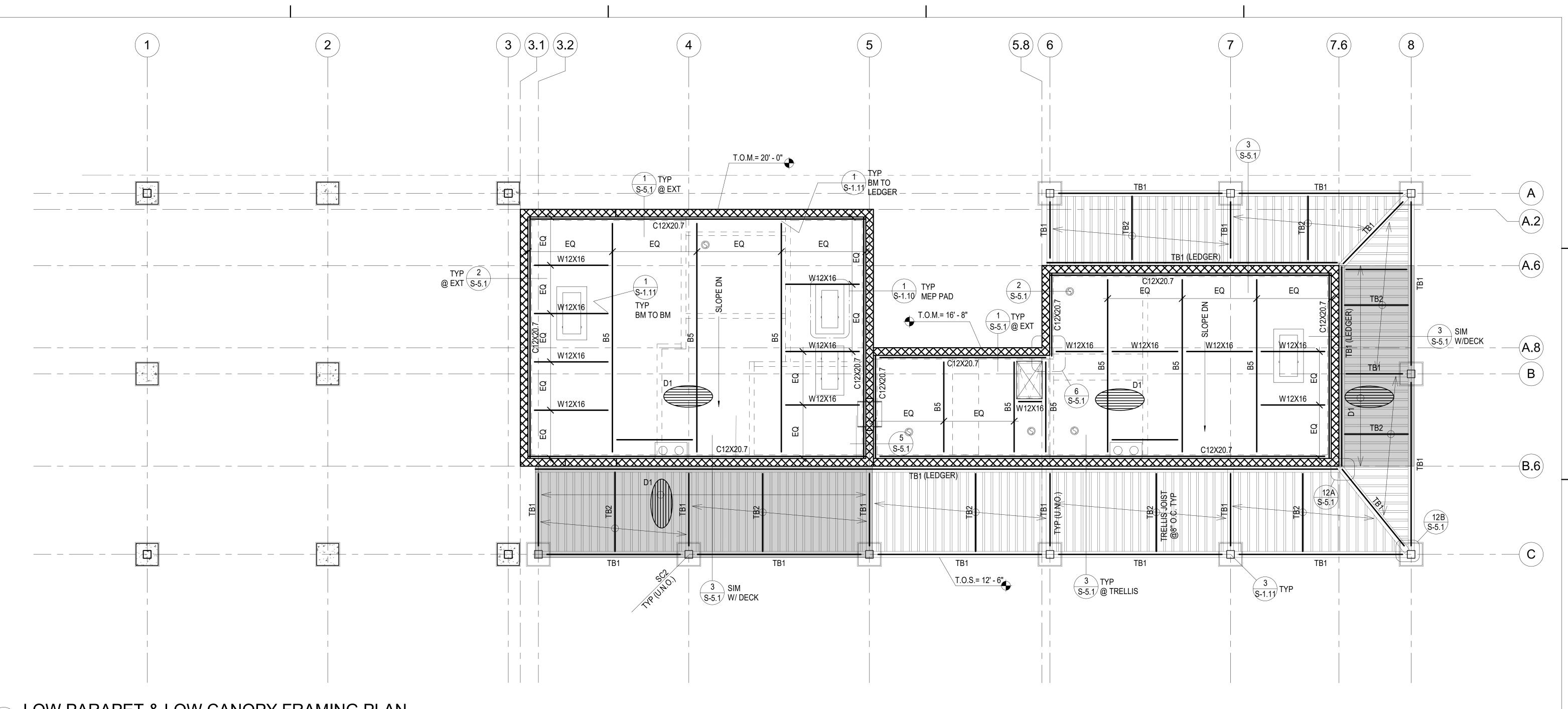
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	FILE NAME:	-	FRAMING PLAN	143
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# LOW PARAPET & LOW CANOPY FRAMING PLAN (1) SCALE: 1/4" = 1'-0"

# **ROOF FRAMING NOTES:**

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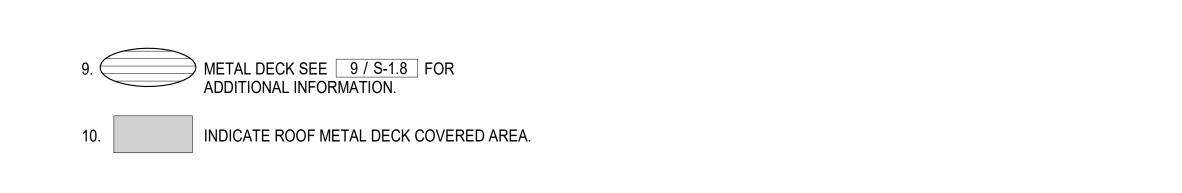
1.	FOR GENERAL NOTES, SEE S-0.0 SERIES.	6.	B#	INIDCA <sup>-</sup>	ΓES BEAM.
				B3	HSS 10 X 6 X 1/4
2.	FOR TYPICAL DETAILS, SEE S-1.0 SERIES.			B3A	HSS 10 X 8 X 1/4
3.	KXXXX 8" THK CMU WALL. (WHERE 🗖 🗖 🗖 INDICATES WALL BELOW)			B4	HSS 12 X 6 X 1/2
5.	SEE ELEVATIONS FOR ADDITIONAL INFORMATION.			B5	W 12 X 26
				B6	HSS 5X3X1/4
4.	T.O.S. = VARIES. VERIFY WITH ARCHT'L DRAWINGS	7.	SC#	INIDCA	TES STEEL COL.
	REFER TO ARCHT'L FOR ROOF SLOPES			SC1	HSS 8 X 8 X 1/2
5.	FOR TYPICAL BEAM TO BEAM CONNECTIONS, SEE DETAIL 2 / S-1.11			SC2	HSS 8 X 8 X 1/4
0.		8.	TB#	INIDCA	TES TREILLIES BEAM
				TB1	HSS 8 X 6 X 1/4
				TB2	HSS 8 X 2 X 1/8
				L	

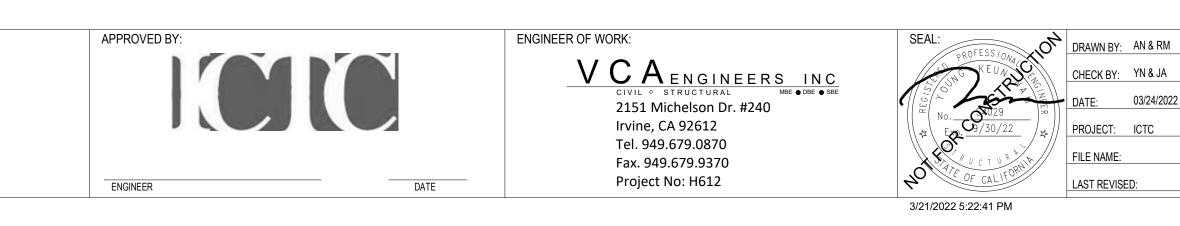
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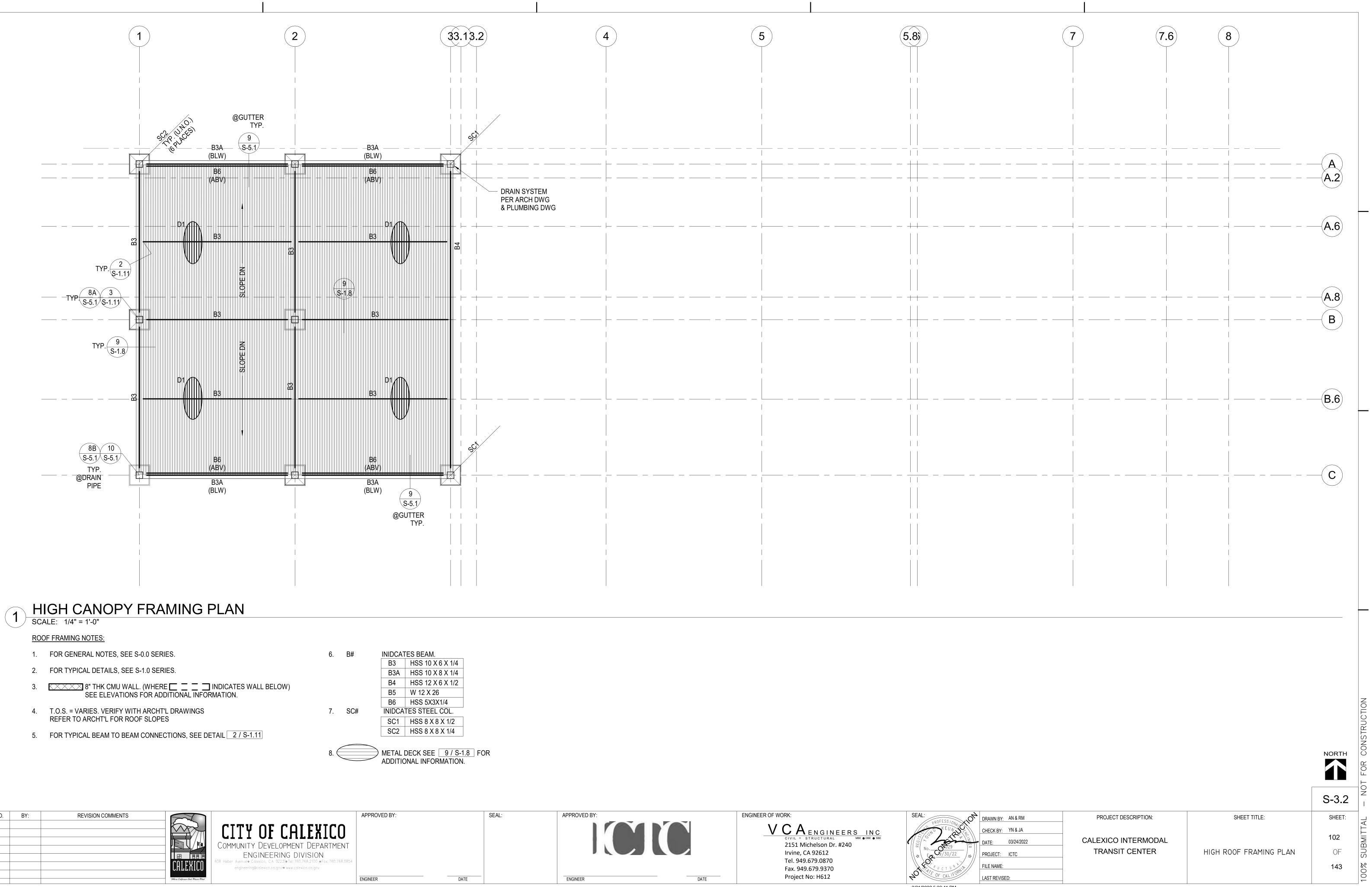




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### CALEXICO INTERMODAL TRANSIT CENTER

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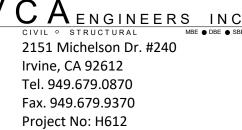


		5.4		
	6.	B#	INIDCAT	ES BEAM.
			B3	HSS 10 X 6 X 1/4
			B3A	HSS 10 X 8 X 1/4
V)			B4	HSS 12 X 6 X 1/2
v)			B5	W 12 X 26
			B6	HSS 5X3X1/4
	7.	SC#	INIDCA	TES STEEL COL.
			SC1	HSS 8 X 8 X 1/2
			SC2	HSS 8 X 8 X 1/4
	8. 🧲			DECK SEE 9 / S-1.8 DNAL INFORMATION.

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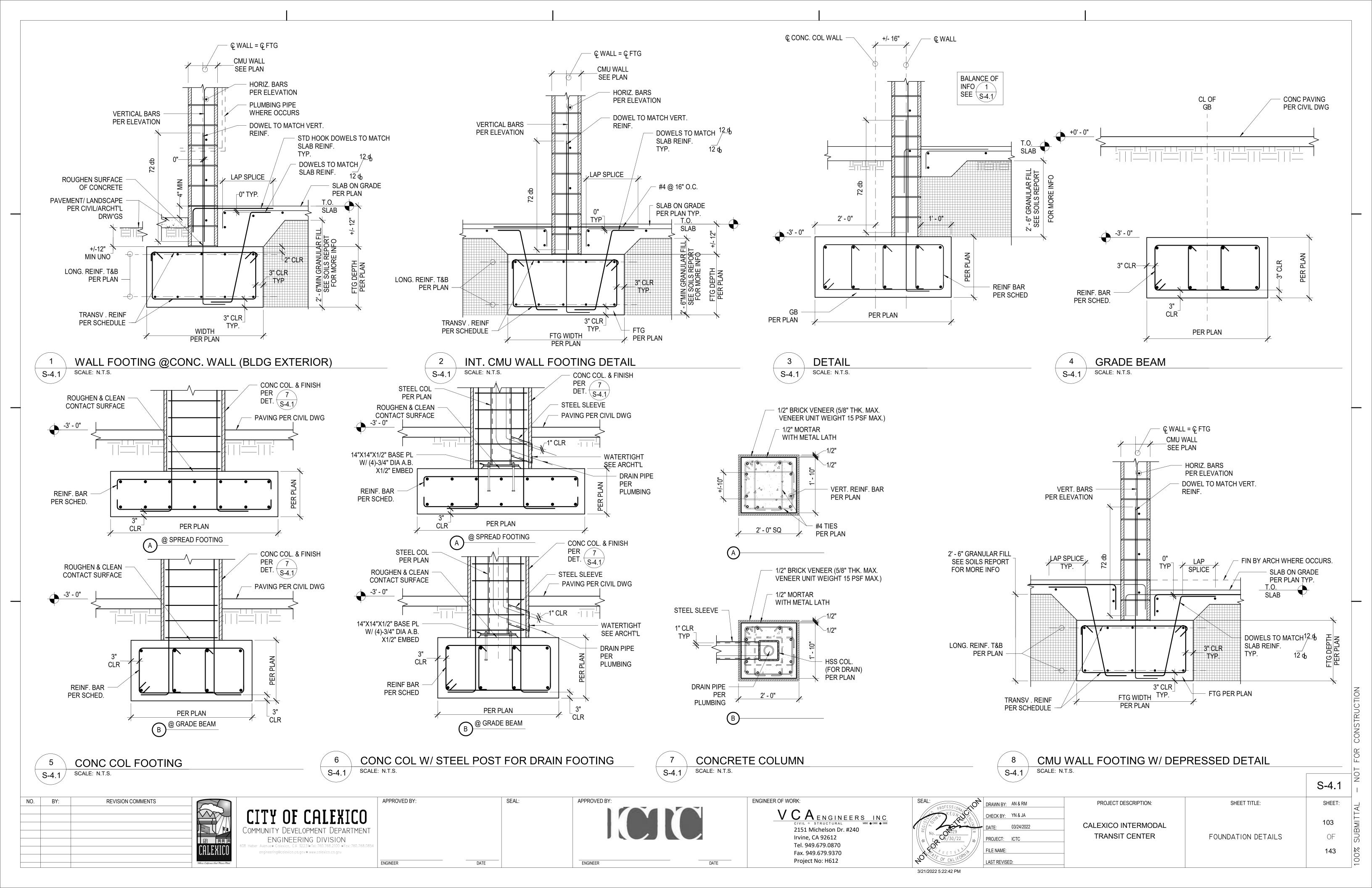


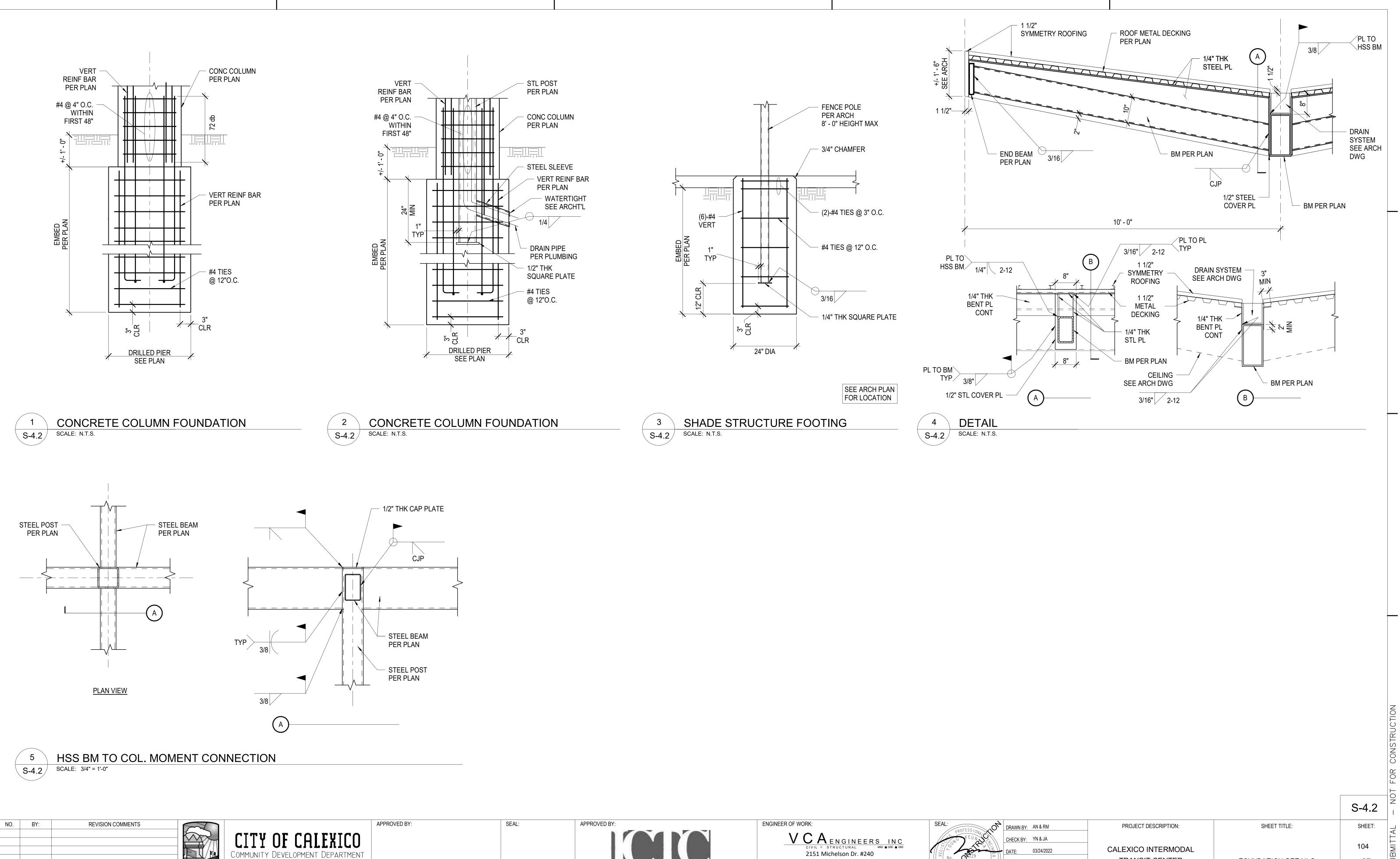






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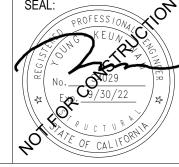
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CIVIL • STRUCTURAL 2151 Michelson Dr. #240 Irvine, CA 92612 Tel. 949.679.0870 Fax. 949.679.9370 Project No: H612

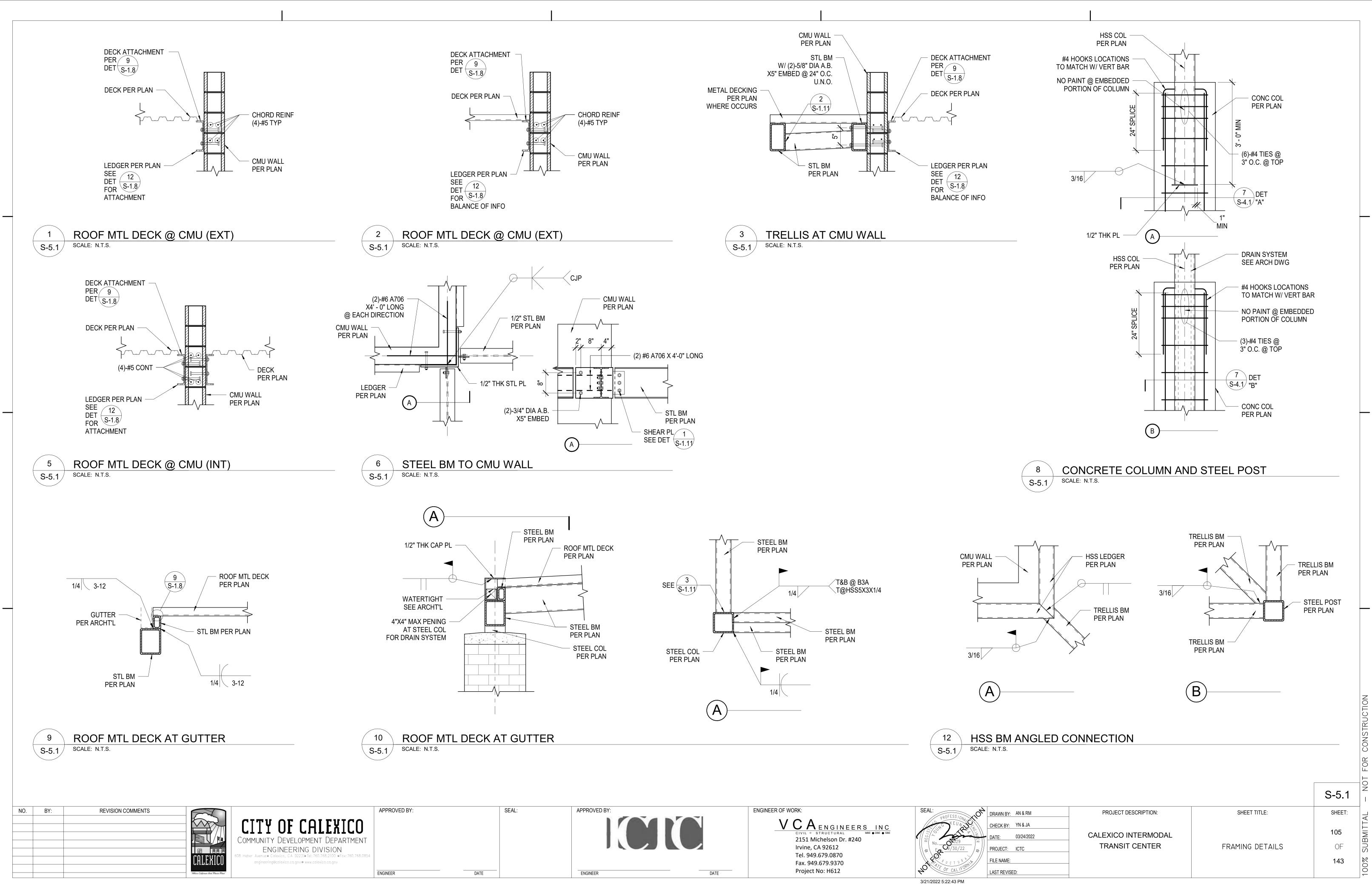


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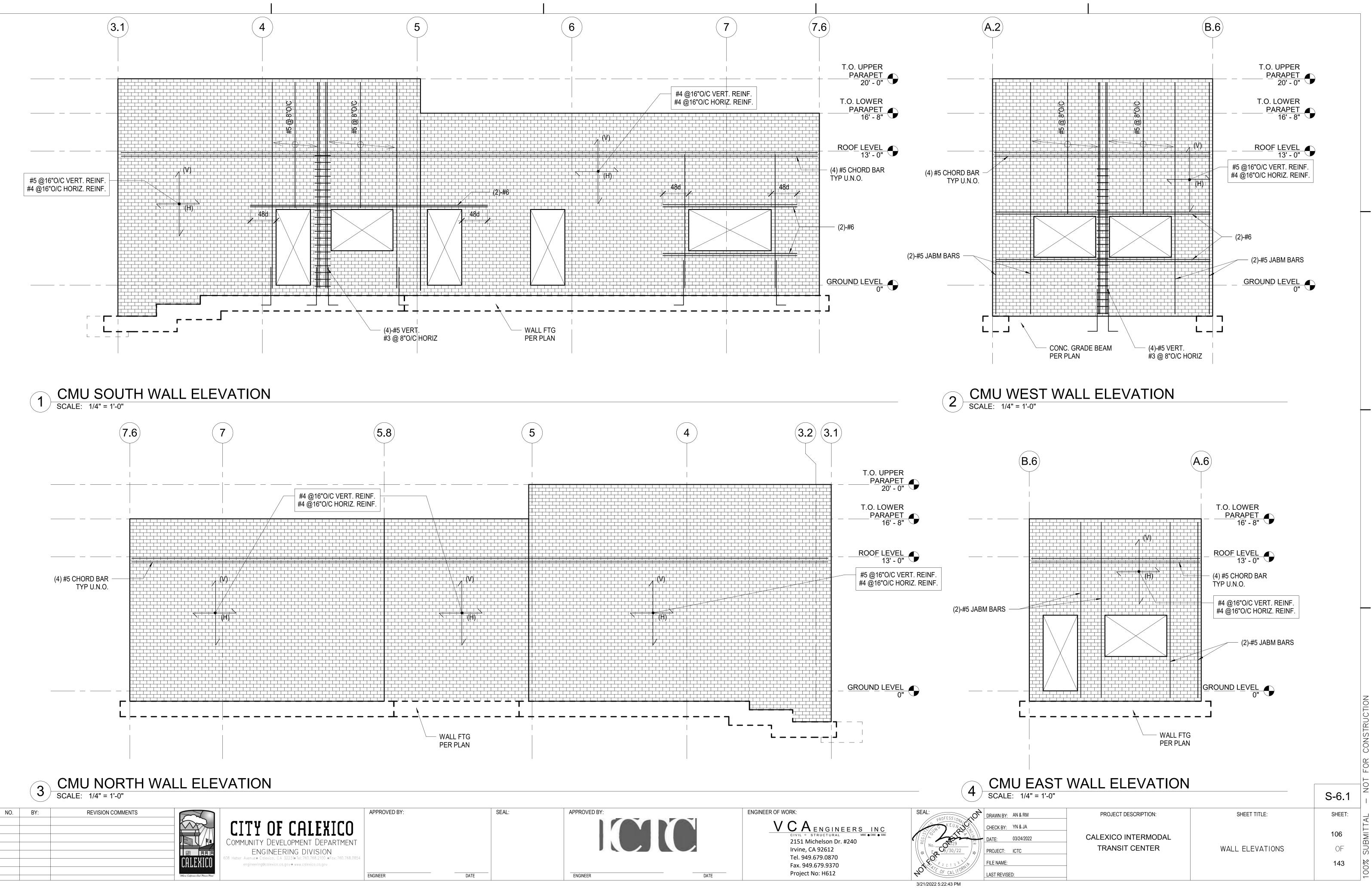
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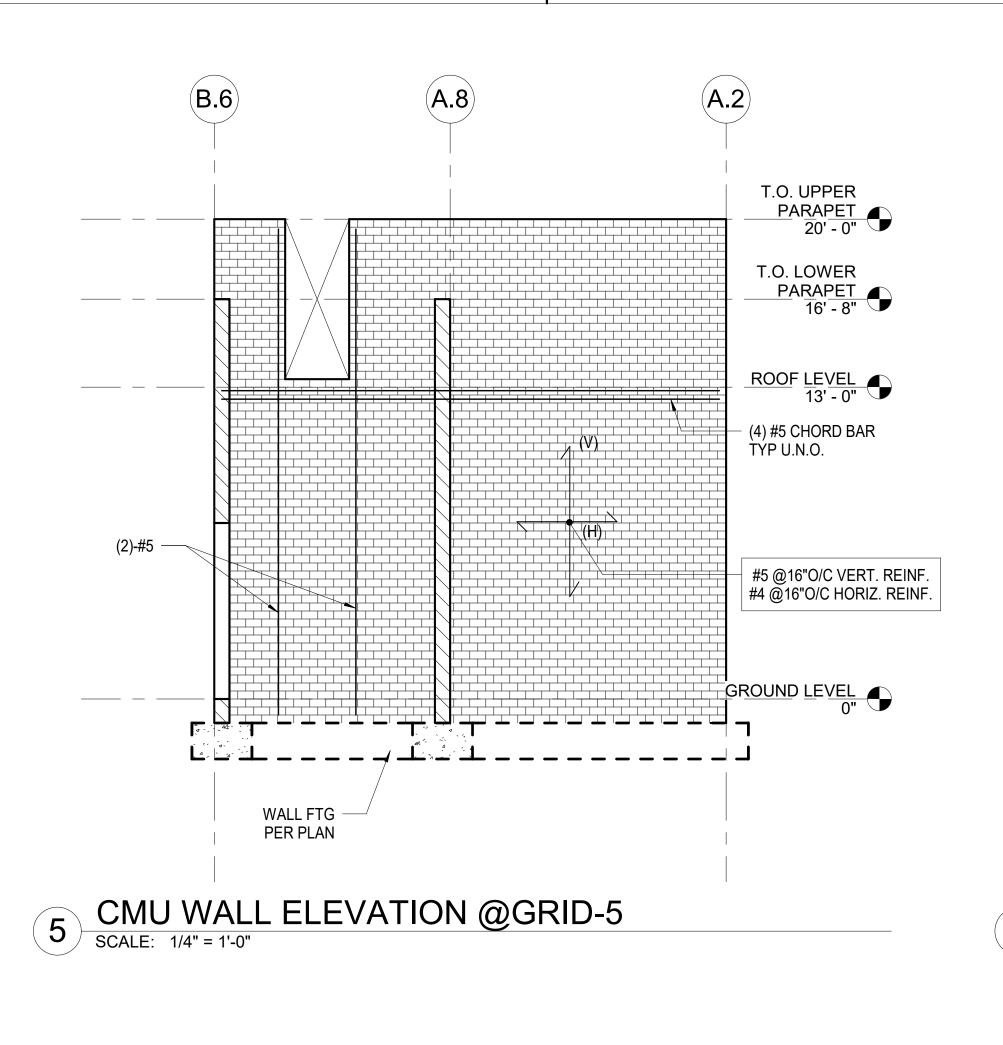
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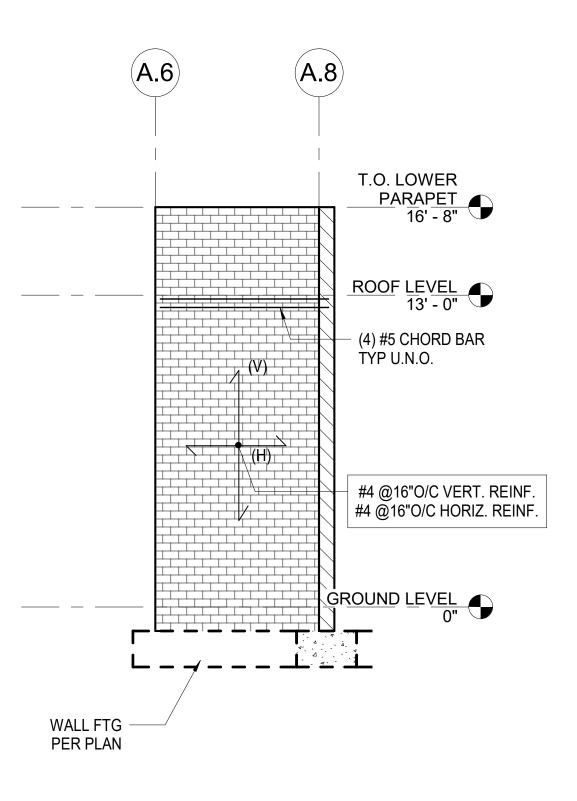
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				COMMUNITY DEVELOPMENT DEPARTMENT	
				ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231• Tel: 760.768.2100 • Fax: 760.768.0854	
			LHLEVICO	engineering@calexico.ca.gov • www.calexico.ca.gov	
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SEAL:



# 6 CMU WALL ELEVATION @GRID-5.8 SCALE: 1/4" = 1'-0"

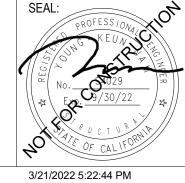


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ENGINEER OF WORK:

V CAENGINEERS INC CIVIL ° STRUCTURAL MBE • DBE • SBE 2151 Michelson Dr. #240 lrvine, CA 92612 Tel. 949.679.0870 Fax. 949.679.9370 Project No: H612



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DRAWN BY: AN & RM 03/24/2022

PROJECT DESCRIPTION:

### CALEXICO INTERMODAL TRANSIT CENTER

WALL ELEVATIONS

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1.	ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH 2019 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
2.	ALL PANELS, SWITCHES SHALL BE IN COMPLIANCE TO UL REQUIREMENTS.
3.	WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
4.	SEE MECHANICAL, PLUMBING, ETC. DRAWINGS FOR EXACT LOCATION OF MECHANICAL, PLUMBING AND OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
5.	EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
6.	ALL MOUNTING HEIGHTS SHOWN ARE TO CENTERLINE OF OUTLET DEVICES UNLESS INDICATED OTHERWISE. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE RECESSED IN WALLS UNLESS OTHERWISE NOTED. OUTLETS NOT INDICATED ON ARCHITECTURAL ELEVATIONS SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN. UNLESS OTHERWISE NOTED, MOUNT ELECTRICAL DEVICES AT THE FOLLOWING HEIGHTS:
	WALL SWITCH +3'-8" SET VERTICALLY CONVENIENCE RECEPTACLE +1'-6" SET VERTICALLY TELEPHONE/DATA OUTLETS +1'-6" SET VERTICALLY. OUTLETS AT COUNTERS +6" ABOVE COUNTERS WITHOUT SPLASHES OR CENTERED IN SPLASH SET HORIZONTALLY

- 7. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
- 8. DRAWING ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
- 9. REFER TO ARCHITECTURAL DRAWINGS/ELEVATIONS FOR EXACT LOCATIONS OF ALL WALL OUTLET BOXES FOR SWITCHES, RECEPTACLES, EQUIPMENT AND ETC.
- 10. PROVIDE PULL CORD IN EACH RACEWAY RUN OVER 10' IN LENGTH WHERE PERMANENT WIRING IS NOT INSTALLED.
- 11. IN ADDITION TO THE PULL BOXES AS SHOWN, PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. ARCHITECT SHALL APPROVE LOCATIONS AT HIS DISCRETION. PULL BOX SHALL BE ACCESSIBLE. THE SIZE OF PULLBOX SHALL COMPLY WITH CEC REQUIREMENTS.
- 12. SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATION FOR CONNECTION REQUIREMENTS TO CONTROL TRANSFORMERS, STATS, RELAYS, ETC.
- 13. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT SHALL BE WEATHERPROOF TYPE, NEMA 4X, STAINLESS STEEL WITH GASKET.
- 14. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK-TO-BACK. THE OUTLETS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF MINIMUM 18" APART.
- 15. WHERE MORE THAN ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE. SWITCH(ES) CONTROLLING LIGHTS ON EMERGENCY CIRCUITS SHALL BE IN A SEPARATE BOX UNDER THE SAME COVER PLATE AS THE OTHER SWITCHES.
- 16. DISCONNECT SWITCHES SHALL BE MOUNTED ON INDIVIDUAL STRUCTURAL SUPPORTS.
- 17. ALL ELECTRIC MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL OR ACCEPTED AGENCY'S LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
- 18. CONVENIENCE OUTLETS IN THE STATION PLATFORM AREAS. AND OUTSIDE OF THE STATION SHALL BE INDUSTRIAL AND FEDERAL GRADE SINGLE LOCKING RECEPTACLE IN A WEATHERPROOF, TAMPERPROOF AND STAINLESS STEEL LOCKABLE ENCLOSURE OR RECEPTACLE BOX.
- 19. PROVIDE GREEN GROUNDING CONDUCTOR IN EACH RACEWAY INCLUDING CONDUITS. PLUG STRIPS, AND SURFACE METAL RACEWAYS. SIZE OF GROUNDING CONDUCTOR SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 250-122.
- 20. LOCATIONS FOR ELECTRICAL CONDUITS ARE SHOWN ONLY DIAGRAMMATICALLY ON ENGINEER'S DRAWINGS.
- 21. WHENEVER POSSIBLE, ELECTRICAL CONDUIT SHALL BE HIDDEN FROM VIEW, UNLESS SPECIFICALLY NOTED OTHERWISE BY ARCHITECT.
- 22. ACCESS PANELS SHALL BE PROVIDED WHEREVER REQUIRED BY CODE OR REQUIRED FOR PROPER OPERATION OF ELECTRICAL EQUIPMENT.
- 23. ALL J-BOXES SHALL BE SIZED PER NEC TABLE 314.16.
- 24. TICK-MARKS ARE SHOWN ON HOMERUNS ONLY. PROVIDE WIRES AS REQUIRED TO COMPLETE CONDUITS, SWITCHING, ETC., INDICATED ON DRAWINGS.
- 25. FEEDER LENGTH SHOWN ON DRAWINGS ARE FOR VOLTAGE DROP CALCULATION AND FAULT CURRENT STUDY ONLY.
- 26. PROVIDE OPENINGS AND SUPPORTS FOR EQUIPMENT AND SYSTEM COMPONENTS AS REQUIRED. ALL SUSPENDED ELEMENTS TO BE PROVIDED WITH APPROVED LATERAL OR SWAY BRACING.
- 27. PROVIDE FIRE BLOCKING, AS APPLICABLE, WHERE SYSTEM COMPONENTS PENETRATE FIRE RATED SEPARATIONS BLOCKING/DAMPERS SHALL BE RATED IN ACCORDANCE WITH SEPARATION SERVED. PER SECTION 712, CBC. USE APPROVED & LISTED MATERIALS.
- 28. PROVIDE FLASHING AND/OR COUNTER FLASHING OF ALL EXTERIOR PENETRATIONS.
- 29. PIPES AND CONDUITS PASSING THRU FIRE RATED WALLS OR FLOORS SHALL BE SEALED ALL AROUND WITH FIRE RATED SEALANT PER SECTION 712 CBC.

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# **GENERAL NOTES**

- **30. LIGHT FIXTURE IN CONTACT WITH INSULATI** BARRIER OR PROVIDE 3" MINIMUM CLEARA
- 31. PERMANENTLY LABEL CIRCUIT AND PANEL
- 32. ALL BOXES OR FITTINGS SHALL BE FLUSH RECESSED NO MORE THAN 1/4" IN NON-CEC.
- 33. ALL OUTLET BOXES SHALL BE FLUSH WITH CEILINGS OF COMBUSTIBLE MATERIALS PER
- 34. DISCONNECTING MEANS ARE REQUIRED TO AND USE OF EACH CIRCUIT IN EACH PAN
- 35. MAINTAIN REQUIRED WORK SPACE, ADEQUATE ILLUM SPACE AND HEAD ROOM FOR AND ABOUT ELECTRICAL EQUIPMENT PER CEC.
- 36. ALL EQUIPMENT FASTENED IN PLACE OR CONNECTED BY PERMANENT WIRING SHALL BE GROUNDED PER CEC.
- 37. SWITCHES, CIRCUIT BREAKERS, ETC, SHALL BE READILY ACCESSIBLE FOR ROOFTOP EQUIPMENT.
- 38. PROVIDE 6' PIGTAIL OF POWER CONDUCTORS (LINE, NEUTRAL, GROUND), PLUS 6' TO PRESENT TRIP HAZARD ON FINISH SURFACE.
- 39. ALL FEEDER ROUTING SHOWN ON DRAWINGS.
- 40. ALL JUNCTION BOXES SHOWN ON PLANS MAY NOT BE USED. VERIFY MEANS OF CONNECTION TO DEVICES AND PROVIDE JUNCTION BOXES AS REQUIRED PER EQUIPMENT REQUIREMENTS AND CODES.
- 41. EXPOSED CONDUITS IN PUBLIC AREAS/SPACES ARE NOT PERMITTED.
- 42. FUSIBLE SWITCH FOR AC MOTORS SHALL BE REJECTION TYPE FUSE HOLDERS.
- PVC COATED, RIGID GALVANIZED STEEL (RGS).
- PROTECTOR PER MRDC 7.13.1E.
- SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM.
- 46. LOW VOLTAGE TRANSFORMERS
  - MANUFACTURER'S INSTALLATION DRAWINGS.
  - CONTINUOUS WOUND CONSTRUCTION.
- 47. PANELBOARDS
  - CURRENT.
  - THE CIRCUIT BREAKERS.

  - AND EQUIPMENT GROUND BUS.

  - F. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON-THERMAL MAGNETIC TYPE.
  - G. MINIMUM AIC RATING FOR 120/208V., 30, 4W AND 277/480V., 30, 4W PANELBOARDS
  - H. A LISTED SURGE PROTECTIVE DEVICE (SPD) SHALL BE PROVIDED ON MAIN AND ALL EMERGENCY PANELBOARDS
- 48. WIRING DEVICES
  - PLANS.
- 49. IDENTIFICATION FOR ELECTRICAL SYSTEMS THAT INCLUDE RACEWAY AND BOXES. CONDUCTOR, UNDERGROUND-LINE WARNING TAPE, WARNING LEVELS, INSTRUCTION SIGNS AND EQUIPMENT IDENTIFICATION SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 26 05 33.
- 50. USE OF EMT IS ONLY ALLOWED ON THE FOLLOWING CONDITIONS:
  - A. INSTALLED INDOOR AND RECESSED IN WALL OR CEILING.
  - B. EXPOSED ON WALL OR CEILING, 10' OR HIGHER FROM THE FLOOR.

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ENGINEERING DIVISION

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	EQUIPMENT ANCHORAGE NOTES				
ATION TO BE U.L. LISTED FOR THERMAL RANCE.	THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT BE DETAILED ON THE PLANS.				
EL NAME ON ALL RECEPTACLES.	EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR				
SH WITH FINISHED SURFACE OR -COMBUSTIBLE WALLS OR CEILING PER	ROOF. TEMPORARY OR MOVABLE EQUIPMENT. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR				
TH FINISHED SURFACE OF WALLS AND	HUNG FROM A WALL.				
ER CEC.	FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE				
TO BE IDENTIFIED SO THE PURPOSE NEL IS EVIDENT PER CEC.	INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL/ELECTRICAL AND THE CONTRACTOR'S QC REPRESENTATIVE.				
QUATE ILLUMINATION ACCESS TO THE WORK	PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE				

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.8, 13.6.7. AND 13.4.5.5., ITEM 6. RESPECTIVELY.

PIGTAIL FOR #6 GROUND AT EACH TVM AND FARE GATE CONSOLE POSITION FOR LATER CONNECTION TO EQUIPMENT, WHEN INSTALLED. ALSO REQUIRE THE 6' PIGTAIL FOR #6 GROUND AT EACH TVM AND FARE GATE CONSOLE TO BE SECURED IN MANNER SO AS NOT

43. ALL CONDUITS FOR UNDER PLATFORM CRAWL SPACE AND AT-GRADE STATION SHALL BE

44. ALL LIGHT FIXTURES SHALL BE LED TYPE WITH INTEGRAL FUSES AND DRIVER WITH SURGE

45. ALL GROUNDING ELECTRODES THAT ARE PRESENT AT EACH STRUCTURE /BUILDING

A. INSTALL CONCRETE HOUSE KEEPING PAD WITH ANCHOR BOLTS FASTENERS PER B. TRANSFORMER COILS SHALL BE WOUND OF ELECTRICAL GRADE COPPER WITH

A. PANELBOARDS SHALL BE FULLY-RATED FOR THE AVAILABLE SHORT CIRCUIT

B. THE MANUFACTURER OF THE PANELBOARD ASSEMBLY SHALL BE THE SAME MANUFACTURER OF THE MAJOR COMPONENTS WITHIN THE ASSEMBLY, INCLUDING

C. PANELBOARDS SHALL BE SURFACE-MOUNTED IN ALL NON-PUBLIC AREAS. IN PUBLIC AREAS AND OFFICES, PANEL BOARD SHALL BE FLUSH-MOUNTED. D. PANELBOARD MAIN BUS BARS SHALL BE COPPER WITH FULL CAPACITY NEUTRAL

E. PANEL BOARD CIRCUIT DIRECTORY TO COMPLY WITH NEC-408.4.

SHALL BE 10,000A AND 14,000 AIC MINIMUM, RESPECTIVELY.

A. ALL RECEPTACLES SHALL BE FLUSH TYPE, UNLESS OTHERWISE INDICATED ON

REFER TO CBC 2019 FOR SEISMIC SUPPORT TO BE DESIGN-BUILD.

### SCOPE OF WORK

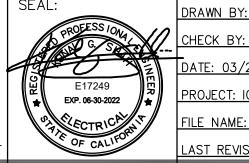
THIS PROJECT SCOPE OF WORK INVOLVES THE DESIGN OF THE ELECTRICAL POWER SERVICE 400A, 120/208V, 30, 4W TO THE NEW BMS TRANSIT CENTER THE SITE LIGHTING FOR PEDESTRIAN AND VEHICULAR TRAFFIC POWER SYSTEMS AND TELEPHONE DATA NETWORK SYSTEM FOR THE SITE. A SMALL INVERTER SYSTEM IS PROVIDED TO SUPPORT LIGHTING POWER EMERGENCY USAGE.





ENGINEER OF WORK:

PBS 2100 East Route 66, Suite 210 Glendora, CA 91740 ENGINEERS T. 626.650.0350 F. 020.0300 2021-041-00 www.pbsengineers.com Job no. 2021-041-00 T. 626.650.0350 F. 626.650.0352



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20.1		LS LIST AND ABBREVIATIONS				
E0.3	SINGLE	LINE DIAGRAM, LOAD CALC, PANEL A	ND LIGHTING SCHEDULES			
E0.4	T-24 (	COMPLIANCE FORMS (INDOOR)				
E0.5	T-24 COMPLIANCE FORMS (OUTDOOR)					
E0.6		L PHOTOMETRIC PLAN (OUTDOOR)				
E1.1 E1.2		LIGHTING PLAN				
E1.2 E1.3		L LIGHTING PLAN				
E2.1		GED LIGHTING PLAN				
E2.2	ENLAR	GED POWER AND COMMUNICATION PLAN	١			
E2.3	ENLAR	GED ROOF PLAN				
E3.1	ELECTR	ICAL DETAILS				
E3.2	СОММИ	NICATIONS DETAILS				
		CODE AN				
PAF	rtial lis	T OF APPLICABLE CODES				
		LIFORNIA ADMINISTRATIVE CODE (CAC),				
	(201	LIFORNIA BUILDING CODE (CBC), PART 8 INTERNATIONAL BUILDING CODE, VOL	. 1 & 2, AND 2019 CALIFORN	IA AMENDI	MENTS)	
	(201	LIFORNIA ELECTRICAL CODE (CEC), PAI 7 NATIONAL ELECTRICAL CODE AND 2	019 CALIFORNIA AMENDMENTS)	)		
	(201	LIFORNIA MECHANICAL CODE (CMC), P 8 IAPMO UNIFORM MECHANICAL CODE	AND 2019 CALIFORNIA AMEND	MENTS)		
•	2019 CA	LIFORNIA PLUMBING CODE (CPC), PAR <sup>-</sup> 8 IAPMO UNIFORM PLUMBING CODE AN	T 5, TITLE 24 CCR			
	2019 CA	LIFORNIA ENERGY CODE (CEC), PART ( LIFORNIA FIRE CODE (CFC), PART 9, T	6, TITLE 24 CCR			
	(201	8 INTERNATIONAL FIRE CODE AND 201 LIFORNIA EXISTING BUILDING CODE (CE	9 CALIFORNIA AMENDMENTS)			
	(201	8 INTERNATIONAL EXISTING BUILDING ( 8 INTERNATIONAL EXISTING BUILDING ( LIFORNIA GREEN BUILDING STANDARDS	CODE AND 2019 CALIFORNIA A			
•	2019 CA	LIFORNIA GREEN BUILDING STANDARDS LIFORNIA REFERENCED STANDARDS, PA CCR, PUBLIC SAFETY, STATE FIRE MA	ART 12, TITLE 24 CCR	111LE 24		
	2016 AS	ME A17.1/CSA B44–13 SAFETY CODE C PART 2 CH 35)		IORS (PER		
NO		/OSHA ELEVATOR UNIT ENFORCES CCF	R TITLE 8 AND LISES THE 2004	4 ASMF 41	17.1	
	ADOPTIO		. THE CAME ODES THE 2004	. AGIVIL AI		
PAF	RTIAL LIS	T OF APPLICABLE STANDARDS				
NFF	PA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	-	2019 ED	DITION	
NFF	PA 14	STANDER FOR THE INSTALLATION O	F AMENDED)			
	PA 17 PA 174	STANDARD FOR THE INSTALLATION OF STANDARD FOR DRY CHEMICAL EXTIN STANDARD FOR WET CHEMICAL EXTIN STANDARD FOR THE INSTALLATION OF	GUISHING SYSTEMS	2019 ED 2021 ED 2021 ED	NTION	
NFF	PA 20	STANDARD FOR WET CHEMICAL EXTIN STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECT		2021 EL		
	PA 22	STANDARD FOR WATER TANKS FOR F STANDARD FOR THE INSTALLATION OF	PRIVATE FIRE PROTECTION	2019 ED 2018 ED		
	PA 72	FIRE SERVICE MAINS AND THEIR APPL NATIONAL FIRE ALARM AND SIGNALIN	JRTENANCES (CA AMENDED)	2019 ED 2019 ED		
	PA 80	STANDARD FOR FIRE DOORS AND OTH OPENING PROTECTIVES		2019 EL		
NFF	PA 2001	STANDARD ON CLEAN AGENT FIRE EX	(TINGUISHING			
		SYSTEMS (CA AMENDED) UL 300 STANDARD FOR FIRE TES EXTINGUISHING SYSTEMS FOR PROTEC		2018 ED		
	161	COMMERCIAL COOKING EQUIPMENT		2018 ED	ITION	
UL	464	AUDIBLE SIGNALING DEVICES FOR FIRE AND SIGNALING SYSTEMS, INCLUDING		2016 EDI	TION	
UL	521	ACCESSORIES STANDARD FOR HEAT DETECTORS FOR PROTECTIVE SYSTEMS	R FIRE			
UL	PROTECTIVE SYSTEMS 1999 EDITION IL 1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED 2002 (R2010)					
ICC	HEARING IMPAIRED 2002 (R2010) 300 STANDARDS OR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS 2017 EDITION					
EOF						
CH/	APTER 36	PLETE LIST OF APPLICABLE NFPA STAN AND CALIFORNIA FIRE CODE CHAPTER	NDARDS REFER IN ZUIS CBC ( 8 80.	(JF 141)		
		NIA BUILDING CODE CHAPTER 35 FOR TANDARDS.	STATE OF CALIFORNIA AMEND	MENTS TO	)	
וחב						
					E0.1	
		PROJECT DESCRIPTION:	SHEET TITLE:		SHEET:	
/WM/GM					1	
/WM/GM						
		CALEXICO INTERMODAL TRANSIT CENTER	ELECTRICAL GENER		108	
/WM/GM 22		CALEXICO INTERMODAL TRANSIT CENTER	ELECTRICAL GENER NOTES, CODE ANALY AND SHEET INDEX	/SIS	<b>108</b> OF	

	ABBREVIATIONS		SYMBOLS LIST
AFF AF	ABOVE FINISHED FLOOR AMPERE FUSE RATING	CABLES ONLY. RUN CONCEALED IN COLUMN, BEAM, AND WIREWAY.	100AS - NON-FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING.
AIC AMP,	AMPS INTERRUPTING CAPACITY RATING AMPERES	— – – — CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOORS.	100AS F1 FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE
AMF, AS	AMPERE SWITCH RATING	CONDUIT RUN, EMBEDDED IN SLAB.	60AF RATING. "AF" INDICATES FUSE AMPERE RATING.
A I ATS	AMPERE TRIP RATING OF BREAKER AUTOMATIC TRANSFER SWITCH	— — — — CONDUIT RUN UNDERGROUND.	MAGNETIC MOTOR STARTER. ROMAN NUMERAL INDICATES
AWG BKR	AMERICAN WIRE GAUGE BREAKER		NEMA STARTER SIZE. ADDITIONAL SUBSCRIPTS INDICATE VFD II STARTER TYPE AND SIZE. (TYPICAL FOR ALL MAGNETIC STARTER SYMBOLS.)
BIDS BIR	BAGGAGE INFORMATION DISPLAY SYSTEM BAGGAGE INSPECTION ROOM	B-1	NO SUBSCRIPT – FULL VOLTAGE, NON REVERSING
C. CAB	CONDUIT CABINET	→ → PROVIDE 3/4"C, 2#12 AWG +1#12 GND, U.O.N.	PR – PRIMARY RESISTOR REDUCED
CAT. CCTV	CATEGORY CLOSE CIRCUIT TELEVISION	B−1, <del>3</del> — 0 ► PROVIDE 3/4"C, 4#12 AWG +1#12 GND, U.O.N.	AT – AUTOTRANSFORMER REDUCED
CIC	COMMUNICATION INTERFACE CABINET	В−1,3,5	VOLTAGE WD – WYE-DELTA REDUCED VOLTAGE
C.O. CR	CONDUIT ONLY CONTROL RELAY (MAGNETICALLY HELD UNLESS	—	PW – PART WINDING REDUCED VOLTAGE SS – SOLID STATE REDUCED VOLTAGE
CU	NOTED OTHERWISE) COPPER	ISOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE.	REV – REVERSING TYPE 2S – TWO SPEED
D DISTR	DEMOLISH/REMOVE DISTRIBUTION	SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.	2W – TWO WINDINGS CH – CONSTANT HORSEPOWER
DP DWG	DISTRIBUTION PANEL DRAWING	RECESSED BRANCH CIRCUIT PANELBOARD.	CT – CONSTANT TORQUE VT – VARIABLE TORQUE
ECB ELEV	ENCLOSED CIRCUIT BREAKER ELEVATION		VFD - VARIABLE FREQUENCY DRIVE
EMERG	EMERGENCY	P1 PANEL DESIGNATION.	COMBINATION MAGNETIC MOTOR STARTER AND NON-FUSED DISCONNECT SWITCH.
EQPT ETEL	EQUIPMENT EMERGENCY TELEPHONE	JUNCTION BOX IN ACCESSIBLE CEILING SPACE OR FLUSH IN WALL WITH BLANK COVER PLATE TO MATCH DEVICE	DISCONNECT SWITCH.
EXH E, EX,	EXHAUST EXISTING TO REMAIN	PLATES. JUNCTION BOX FLUSH FLOOR MOUNTED.	COMBINATION MAGNETIC MOTOR STARTER AND CIRCUIT BREAKER.
(TA)A FDR	FIRE ALARM ANNUNCIATOR FEEDER		COMBINATION MAGNETIC MOTOR STARTER AND MOTOR
FF FG	FINISHED FLOOR FINISHED GRADE	DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.	CIRCUIT PROTECTOR.
FS	FLOW SWITCH		SINGLE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER
FIDS FIS	FLIGHT INFORMATION DISPLAY SYSTEM FEDERAL INSPECTION SERVICES	UDDEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY CIRCUIT.	THERMOSTAT OUTLET. MOUNT AT +48 INCHES UNLESS
FLEX F.O.	FLEXIBLE FIBER OPTIC	DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.	OTHERWISE NOTED.
FUT G	FUTURE GROUND		TRANSFORMER, PRIMARY & SECONDARY VOLTAGE AND KVA
GND GTEL	GROUND GATE TELEPHONE	DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY CIRCUIT.	RATING AS NOTED. TYPE AND CONFIGURATION AS SPECIFIED. PROVIDE DRY TYPE, COPPER WOUND, WALL OR BOX
GW HTR	GROUND WELL HEATER	TWO DUPLEX GROUNDING TYPE RECEPTACLES IN 4S	MOUNTED UNLESS NOTED OTHERWISE. REMOVED AND REPLACED WITH NEW AND RECONNECTED AS REQUIRED
HZ	HERTZ	₩ BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.	
IDF J.B.	INTERMEDIATE DISTRIBUTION FRAME JUNCTION BOX	TWO DUPLEX GROUNDING TYPE RECEPTACLES, IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY	PANELBOARD
K KV	THOUSAND (KILO) KILOVOLTS	CIRCUIT.	
KW	KILOWATTS KILOWATT HOURS	TWO DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLES IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.	MOLDED CASE CIRCUIT BREAKER. "AF" INDICATES AMPERE FRAME, "AT" 3P INDICATES AMPERE TRIP RATING AND NUMBER OF POLES AS INDICATED.
KWH KVA	KILOVOLT AMPERES		100AF SUBSCRIPT INDICATES TYPE.
LCD LED	LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE	CEILING MOUNTED TWO DUPLEX GROUNDING TYPE RECEPTACLES, IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.	NO SUBSCRIPT THERMAL MAGNETIC NA NON-AUTOMATIC
LS LT,	LIMIT SWITCH LIGHT, LIGHTS	FLOOR MOUNTED QUAD GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT,	MO MAGNETIC ONLY CL CURRENT LIMITING
LTS MDF	LIGHTING MAIN DISTRIBUTION FRAME	Z TOLE, 3 WINE. CONE DRILE AS REQUIRED.	SS SOLID STATE EM ELECTRONIC METERING PACKING
MAX	MAXIMUM	IG ANY RECEPTACLE INDICATED WITH "IG" ADJACENT SHALL BY ISOLATED GROUND TYPE WITH INDIVIDUAL GROUND WIRE	
MBP MCB	MAINTENANCE BY-PASS MAIN CIRCUIT BREAKER	TO PANELBOARD.	e<←' '→≻ DRAW-OUT TYPE CIRCUIT BREAKER.
MCC MCM	MOTOR CONTROL CENTER THOUSAND CIRCULAR MILS	FLUSH FLOOR MOUNTED SPECIAL PURPOSE OUTLET. TYPE AS INDICATED ABOVE.	100AS FUSED SWITCH. "AS" INDICATED AMPERE SWITCH
MH MLO	MANHOLE MAIN LUGS ONLY	PEDESTAL TYPE SPECIAL PURPOSE OUTLET. TYPE AS	100AS ( RATING, "AFU" INDICATES AMPERE FUSE RATING, NUMBER 90FU OF POLES AS INDICATED.
MS MT, MTD,	MANUAL MOTOR STARTER MOUNT, MOUNTED, MOUNTING	INDICATED ABOVE.	
MEG	NATIONAL ELECTRICAL CODE NUMBER. NUMBERS	$\bigcirc \frac{L^2}{P1}$ L1, L2 & L3 = LEVEL OF CHARGING. P1 & P2 = SINGLE OR DUAL PORT	VOLTAGE TRANSFORMER. FLOOR MOUNTD, COPPER WOUND, DRY TYPE UNLESS SPECIFIED OTHERWISE.
NO, NOS NTS	NOT TO SCALE	PB_ PB NORMAL POWER PULLBOX	
PBC PNL	PULL BOX FOR COMMUNICATION PANEL	PBE_ PB EMERGENCY POWER PULLBOX	CURRENT TRANSFORMERS, "C.T.s"
PTEL PWR	PASSENGER ASSISTANCE TELEPHONE POWER	PBC_ PB COMMUNICATIONS PULLBOX	$\rightarrow$ potential transformer, p.t.s".
R,(R) RR	REMOVE REMOVE AND REPLACE	SPECIAL PURPOSE OUTLET (UNCONTROLLED) MOUNTED IN FLUSH WALL	
REL/REP	EXISTING EQUIPMENT IS TO BE REPLACED	$\Psi_A$ BOX. LETTER INDICATES TYPE.	M ITILITY METER SOCKET, WITH C.T.S, CLIPS, ETC., PER SERVING UTILITY COMPANY.
RECPTS	WITH NEW &RELOCATED AT NEW LOCATION RECEPTACLES	A NEMA TYPE 14-20R (125/250V, 3 POLE, - 4 WIRE, GROUNDING, 20 AMP)	——————————————————————————————————————
REQD SCH	REQUIRE SCHEDULE	B - NEMA TYPE 6-20R (250V, 2 POLE, 3 WIRE,	GFI "GROUND FAULT INTERRUPTER"
SEC	SECONDS, SECONDARY SEQUENCE	GROUNDING, 20 AMP)	GFP GROUND FAULT PROTECTION DEVICE.
SEQ SHT SM	SHEET	C – NEMA TYPE 6–30R (250V, 2 POLE, 3 WIRE, GROUNDING, 30 AMP)	GFS GROUND FAULT SENSOR.
SPECS	SINGLE MODE SPECIFICATIONS		SPD SURGE PROTECTIVE DEVICE.
STA SYS	STATION SYSTEM	D – NEMA TYPE 14–50R (125/250V, 3 POLE, 4 WIRE, GROUNDING, 50 AMP)	AMMETER SWITCH, FOUR POSITION "PHASE A", "PHASE
TBD TPIS	TO BE DETERMINED TRANSIT PASSENGER INFORMATION SYSTEM	E – NEMA TYPE 5–30R (125V, 2 POLE, 3 WIRE, GROUNDING, 30 AMP)	AMMETER SWITCH, FOUR POSITION "PHASE A", "PHASE B", "PHASE C", AND OFF.
TR TS	TIME DELAY RELAY TAMPER SWITCH	GROUNDING, 30 AMP) F - NEMA TYPE 15-30R (250V, 3 PHASE, 3 POLE	VOLTMETER SWITCH, SEVEN POSITION "PHASE A-N", "PHASE B-N", "PHASE C-N", "PHASE AB", "PHASE BC", "PHASE CA", AND OFF.
ТТВ	TELEPHONE TERMINAL BACKBOARD	4 WIRE, GROUNDING, 30 AMP)	(A) AMMETER.
TYP TVM	TYPICAL TICKET VENDING MACHINE	G – NEMA TYPE 15–60R (250V, 3 PHASE, 3 POLE, 4 WIRE, GROUNDING, 60 AMP)	
TW UNO	TEST WELL UNLESS NOTED OTHERWISE	4 wire, grounding, 60 Amp) H - NEMA TYPE L5-20R (125 V, 1 PHASE, 2 POLE,	
UGPS UPS	UNDERGROUND PULL SECTION UNINTERRUPTIBLE POWER SUPPLY	3 WIRE, GROUNDING, 20 AMP, TWIST LOCK)	(KW) DEMAND (KILOWATT) METER.
V VFD	VOLTMETER VARIABLE FREQUENCY DRIVE	K – NEMA TYPE 15–60R (250 V, 3 PHASE, 3 POLE, 4 WIRE, GROUNDING, 60 AMP)	(WH) USAGE (KILOWATT HOUR) METER.
W	WATTS	M - NEMA TYPE 10-20R (125/250 VOLT, 1 PHASE,	(M) SUB METER SOCKET, WITH C.T.S, CLIPS, ETC.
WHM WP	WATT HOUR METER WEATHERPROOF	3 POLE, 3 WIRE, UNGROUNDED, 20 AMP)	
XR XFMR	EXISTING TO BE RELOCATED TRANSFORMER	N – NEMA TYPE L6–20R (250 VOLT, 1 PHASE, 2 POLE, 3 WIRE, GROUNDING, 20 AMP TWIST LOCK)	
		P – NEMA TYPE 5–20R (120 VOLT, 1 PHASE, 2 POLE, 3 WIRE, GROUNDING, SINGLE, 20 AMP)	
		· · · · · · · · · · · · · · · · · · ·	
/: F		APPROVED BY: SEAL: APPROVED BY:	ENGINEER OF WORK: SEAL: SEAL: SEAL:
		CALEXICO PMENT DEPARTMENT	PBS         2100 East Route 66, Suite 210           Glendora, CA 91740         T. 626.650.0350           T. 626.650.0350         F. 626.650.0352           www.pbsengineers.com         Job no. 2021-041-00
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	SM	MOTOR RATED SWITCH # OF POLES 200, 120V. U.O.N.	AS NOTED.	
		POKE THRU. POWER COMBINED WITH SPECIFIED IN PLANS.	DATA PORTS. PROVIDE AS	
	FACP	FIRE ALARM SUPERVISORY CONTROL	PANEL	
	S	SPEAKER		
	0	CCTV ( STATION PLATFORM)		
		CCTV ( MOUNTED AT LIGHT POST AN PUC)	D	
	ANS	AMBIENT NOISE SENSING MICROPHON	E	
	(###)-	CONDUIT TAG		
	O <sub>1a</sub>	ROUND RECESSED DOWNLIGHT LED LI UNIVERSAL VOLTAGE	JMINAIRE, WITH O-10V DIMMING AND	
	 1a	LINEAR PENDANT MOUNT LED LUMIN DIMMING, AND UNIVERSAL VOLTAGE	AIRE, TAMPER PROOF, WITH 0-10V	
	но	LINEAR STRIPLIGHT LED LUMINAIRE, (	D-10V DIMMING, UNIVERSAL VOLTAGE	
	O-1 1a	BRACKET OR WALL MOUNTED LED LI	GHT FIXTURE .	
	O <sub>1a</sub>	CEILING DOWNLIGHT LED FIXTURE.		
	⊗ ∮		E. SIDE, BACK, CEILING, OR PENDANT O AS NOTED BY SHADED ARC, WITH OR OTED ON THE DRAWINGS.	
	D	0-10V LIGHTING DIMMER SWITCH. S	NGLE OR MULTI ZONE	
	RD	LED REMOTE DRIVER		
	S	LOW VOLTAGE SWITCH. SINGLE OR M	ULTI ZONE	
	Hos	LOW VOLTAGE WALL MOUNT OCCUPA COMPLETE WITH MANUFACTURER REC		
	OS	LOW VOLTAGE CEILING MOUNT OCCUP COMPLETE WITH MANUFACTURER REC		
	saK	SWITCH. LOWER CASE LETTER AT B CONTROLLED. CAPITAL SUPERSCRIP		
		NO SUPERSCRIPT - 2		
		2 3 4	<ul><li>THREE WAY</li><li>FOUR WAY</li></ul>	
		I K LC	<ul> <li>– ILLUMINATED HANE</li> <li>– KEYED SWITCH</li> <li>– LOCKABLE COVER</li> </ul>	DLE
		M	– MANUAL MOTOR ST THERMAL OVERLOAI – MOMENTARY CONTACT	O PROTECTION
		P PR	<ul> <li>PILOT LIGHT</li> <li>PRESS TYPE</li> </ul>	
		TP T	<ul> <li>THREE POSITION</li> <li>TIMER, 0–6 HR ROT</li> <li>UNLESS NOTED OTH</li> </ul>	
	(PC)	PHOTOCELL.		
	(DS)	DAYLIGHT SENSOR. COORDINATE EXA	CT LOCATION AND QUANTITY WITH	
	Ŭ		DETAIL NO.	
			ENLARGED	
			SHEET NO.	
		KEYNOTES		
		TYPICAL KEYNOTE SYM	BOL	
		NOTE: NOT ALL SYMBOLS AND ABBREVIATION	INS ARE USED IN THIS PROJECT.	
				F0 2
DRAWN BY: FN,	/wm/gm	PROJECT DESCRIPTION:	SHEET TITLE:	SHEET:
CHECK BY: PP		CALEXICO INTERMODAL		109
DATE: 03/24/2 PROJECT: ICTC	2	TRANSIT CENTER	SYMBOLS LIST AND ABBREVIATIONS	OF
FILE NAME:				143
LAST REVISED:				

T) (D C				LAMP DATA
TYPE	DESCRIPTION	MANUFACTURER/CATALOG NO	LAMPING	DRIVER
A	4"W X 4'L RECESSED LED SLOT FIXTURE W/ FLUSH LENS	NEO-RAY S124DR-S-795D-8-40-ETG-4FO-1-U-DD-F-W OR APPROVED EQUAL	6.8W/FT	LED DRIVER 0-10 DIMMING DRIVER
В	4' SURFACE MOUNTED LED STRIP FIXTURE W/ SEMI-FROSTED LENS	METALUX 4SNLED-LD5-46SL-LN-UNV-L840-CD1-U OR APPROVED EQUAL	35W	LED DRIVER 0-10 DIMMING DRIVER
С	4"W X 4'L RECESSED LED PERIMETER FIXTURE W/ FLUSH LENS	NEO-RAY S124DRP-S-1020D-8-40-GYP-4FO-1-U-DD-F-W OR APPROVED EQUAL	8.9W/FT	LED DRIVER 0-10 DIMMING DRIVER
D	6" LED RECESSED DOWNLIGHT FIXTURE	HALO COMMERCIAL HC6-20-D010-HB128APK-HM6-12-835-61MD-C	21W	LED DRIVER 0-10 DIMMING DRIVER
E	4"W X 4'L SUSPENDED LED SLOT FIXTURE W/ FLUSH LENS	NEO-RAY S124DP-C-795D-8-40-C4-T1-4FO-1-U-DD-F-W OR APPROVED EQUAL	26W	LED DRIVER 0-10 DIMMING DRIVER
F	LED ARM MOUNTED SIGN LIGHT W/ REMOTE DRIVER (XX = SPECIFY LENGTH)	COLE SL-XX-ARM/STR-BLK-4K OR APPROVED EQUAL	6W/FT	LED DRIVER 0-10 DIMMING DRIVER
SA	LED SURFACE STRIPLIGHT FIXTURE (WET LOCATION)	NEO-RAY S124DS-C-795D-8-40-T1-4FO-1-U-DD-F-W OR APPROVED EQUAL	6.8W/FT	LED DRIVER 0-10 DIMMING DRIVER
SB	LED UPLIGHT ON PALM TREE, 10 FEET AFG.	LUMIERE 1004–A2–RCS–RW–LED 4080–M–BZ–L2–TSR2 OR APPROVED EQUAL	20W	LED DRIVER 0-10 DIMMING DRIVER
SP	SINGLE/DOUBLE HEAD POLE MOUNTED LED FIXTURE MOUNTED ON 20' ROUND STRAIGHT STEEL	MCGRAW EDISON GLEON-SA3-C-740-U-T3-BZ-MS/DIM-L40W W/ RSS4A20S-F-N1/2-X-V POLE OR APPROVED EQUAL	166W	
SS	20' LED SOLAR POLE FIXTURE	SOL INC. SBL-CFQ4-T2D-HS #TPZ-1SL5E60Q3H-2D-53 OR APPROVED EQUAL	60W	-
W	LED EXTERIOR WALL PACK	RAYON #T632LED-30-35-T1-MTO-PC1 OR APPROVED EQUAL	30W	LED DRIVER 0-10 DIMMING DRIVER
WA	LED EXTERIOR WALL ART LIGHT FIXTURE	TROY #RA12-LED1840-MB-FG-3 OR APPROVED EQUAL	18W	LED DRIVER 0-10 DIMMING DRIVER
SL	STREET LIGHTING FIXTURE AND POLE TO MATCH THE REQUIREMENTS	PELCO MODEL # AP-7501 SERIES	200W	LED DRIVER 0-10 DIMMING DRIVER
x	LED EXIT SIGN	SURELITES	1W	_

GENERAL NOTES:

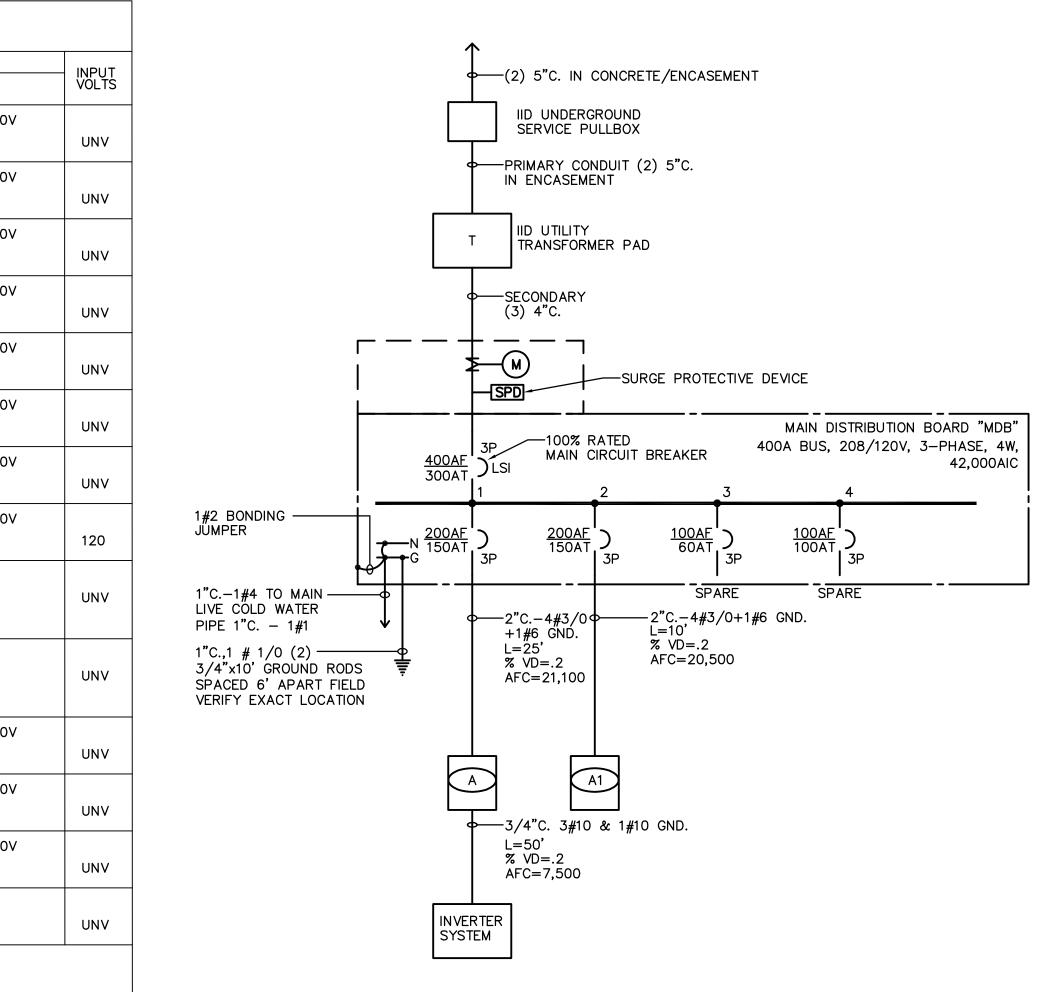
PROVIDE ALL NECESSARY MOUNTING ACCESSORIES AND LAMPS AS REQUIRED FOR AN OPERABLE LIGHTING SYSTEM.

VERIFY LAMP COLOR TEMPERATURE RATINGS WITH ARCHITECT/ CITY PRIOR TO ORDERING OF LAMPS. - 2

3. VERIFY ALL LIGHT FIXTURE MOUNTING REQUIREMENTS WITH ARCHITECT. 4. PROVIDE EMERGENCY BATTERY PACKS FOR EMERGENCY FIXTURES AS SHOWN ON LIGHTING PLAN UNLESS THERE IS A GENERATOR/INVERTER FOR EMERGENCY LOADS.

MOL	INTING: SURFACE				P	AN	EI		A								LOC	ATION:	ELECTRICAL ROOM	
VOL	TAGE: 120/208V,3Ø,4W	/								22,	000	) Al	C S	SYM		400 /	AMP B	US	150A-3P MAIN CB	
N O T E	DESCRIPTION		T-AMP ØB	ERES ØC	L I T E	R E C P	M I S C	P O L E	в к к к	CC II RR CC		P O L E	M I S C	R E C P	L I T E	VOLT ØA	Г—АМРЕ ØВ	ERES ØC	DESCRIPTION	N O T E
	EET CLOCK	360				,	1	1	20	1 2					28	476			PALM TREE LIGHTS	+
IRRI	GATION CONT'LR		500	1			1	1	20	3 4					16		272		PALM TREE LIGHTS	+
LIGH	ITS			1060	39			1		56	_							500	SIGN MONUMENT LIGHTS	+
LIGH	ITS	1034	]		38			1	20						3	300			INGROUND LIGHTS	+-
EXT	ERIOR LIGHTS		435	]	13			1		9 10					1		100		INGROUND LIGHTS	+
POL	E LIGHTS			960	5			1		11 12				5				900	RECEPTACLES	+
	E LIGHTS	664	]	L	4			1		13 14				5		900			RECEPTACLES	+
	ERIOR LIGHTS		400	1	12			1		15 16				2			360		ELEC. RM. RECEPT	+
	E LIGHTS		L	1800			1	1		17 18				3			·	540	RECEPTACLES	+
	E LIGHTS	1800	]		12			1		19 20			1			500			DRINKING FOUNTAIN	+
	MICROWAVE		1500	1		1		1		21 22				4			720		RECEPTACLES	
	EPTACLE			500		1		1		23 24			1	4				900	RECEPTACLES	+
	NKING FOUNTAIN	500	1				1	1		25 26				1		500			SECURITY PANEL	+
	RACK		1800	1		2		1		27 28				1			500		FIRE ALARM PANEL	$\frac{1}{1}$
	A RM. RECPET.			540		3		1		29 30									SPARE	+
	RG. LIGHTS	653	1			24		1		31 32									SPARE	+
MDF			1200	1			1	1		33 34									SPARE	+
SPA								1		35 36									SPARE	+
SPA			1					1		37 38									SPARE	+
SPA				1				1		39 40							3000		INVERTER SYSTEM	+
SPA								1	20								0000	3000		+
	VA PER PHASE	5011	5835	4860				·	20	41 42	<u>_</u>					2676	4952		VA PER PHASE	
		0011	10000	1000															TOTAL VA PER PHASE	
	CONTINUOUS LOAD	9801	v1 25-	1225	1	VA									ŀ	/00/	29174		TOTAL CONNECTED VA	
				1937											ŀ		2017		NOTES	
				3162					88		AM	PS			ŀ	1			DCK-ON DEVICE	
	CEILING OUTLETS =			0102	<u>т</u>	۷A			00		- ~~				ŀ	2			JER EN DEVICE	
	CONV. OUTLETS =			-	тыс	D۸		IC	FEC		. N/N	٨			ŀ	3				
	MISC. OUTLETS =				1113	ГA	INEL	. 13	ГСС			/1			ŀ	4				
	WIGO. OUTLETS -	/														1				
BY:	REVISION COM		2																APPROVED BY:	
			נ	🚺	-	1	0								_					
				K	N	2			$\square$	ግ ጥ	U	$\bigcap$	Γ	r	៣	រាប	זרר			

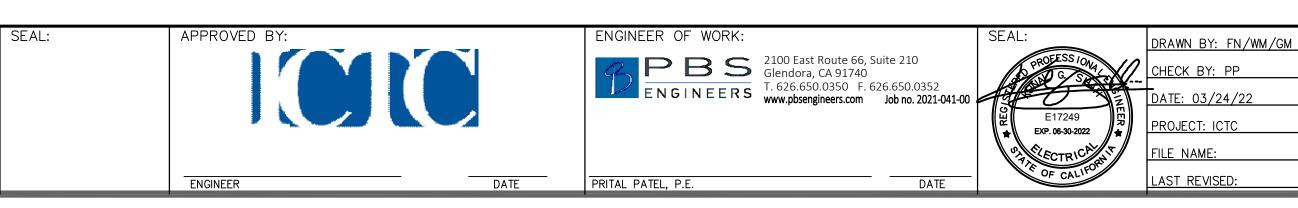
NO.	BY:	REVISION COMMENTS			APPROVED BY:	
				CITY OF CALEXICO		
				COMMUNITY DEVELOPMENT DEPARTMENT		
				ENGINEERING DIVISION		
			CALEXICO	608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov		
			RELLEGISCHER Wein Gebrus Gest Maan Maar		ENGINEER	DATE
						DATE



## ELECTRICAL SINGLE LINE DIAGRAM NTS

MOUNTING: SURFACE				PA	٩N	EL·	- A	1								LOC	ATION:	ELECTRICAL ROOM	
VOLTAGE: 120/208V,3Ø,4	W								22,0	000	AI	S S	ΥM		225 A	MP B	US	150A-3P MAIN CB	
DESCRIPTION	VOLT- ØA	– AMPE ØB	ERES ØC	L           	R E C P	s	P O L E	B R K R	C C I I R R C C	B R K R	P O L E	 S	R E C P	L I T E	VOLT ØA	– AMPI ØB	ERES ØC	DESCRIPTION	N O T E
WH-1	1440					1		20	1 2			1			3120			CU-1	
WH-2		1440				1	1	20	34	—	1-					3120	]		
WH-1	1 -		1440			1	1	20	56	45	2	1			L		3120	CU-4	
WH-1	1400					1					-				3120			-	
WH-1		1400				1	1		9 10		2	1				1560	]	CU-2	
GARBAGE DISPOSAL	1 -		900			1			11 12		-				L		1560	—	
FC-1,FC-2,FC-3,FC-4	596					4			13 14		2	1			1560		L	CU-3	
FC-1,FC-2,FC-3,FC-4		596							15 16		-					1560	]	—	
ROOF RECEPT	1 -		540		3		1		17 18		1	6			L		240	EF-1,2,3,4,5 & SF-1	
SPARE									19 20			1			500			DF-1	
WH-3		5000							21 22			1				200	]	TRAP PRIMER	
-	1 -		5000						23 24						L			SPARE	
DF-1	500						1	20	25 26	20	1							SPARE	
RECEPTACLES		1080			6				27 28								]	SPARE	
RECEPTACLES	1 -		900		5		1 2	20	29 30	20	1				L			SPARE	
SPARE	0						1	20	31 32	20	1						L	SPARE	
SPARE									33 34								]	SPARE	
SPARE	1 -								35 36						L			SPARE	
SPARE							1 2	20	37 38	20	1							SPARE	
SPARE									39 40								]	SPARE	
SPARE	1 -						1	20	41 42	20	1				L			SPARE	
VA PER PHASE	3936	9516	8780												8300	6440	4920	VA PER PHASE	
	11														12236	15956	13700	TOTAL VA PER PHASE	
CONTINUOUS LOAD	1200 >	×1.25=	1500		VA									ľ	I	41892	2	TOTAL CONNECTED VA	
	+ OTH	HER=	40692	2	VA									ľ				NOTES	
Т	DTAL LO	DAD=	42192	2	VA		1	17		AM	ΡS			ľ	1				
CEILING OUTLETS =	0									•				ľ	2				
CONV. OUTLETS =	14			THIS	PAI	NEL	IS	FED	BY:	ΡA	NEL	А		ľ	3				
MISC. OUTLETS =	22														4				
EAL: APPROV											E	NGIN	IEEI	RC	DF WOR	K:		SEAL:	
	1 1				1							10				<b>—</b> 22	100 East R	oute 66, Suite 210	DROFF
							<b>.</b>				6	4			$\square$	⊃ G	lendora, C	oute 66, Suite 210 CA 91740 0350 F. 626.650.0352	15

CKT-CKT-2 CKT-3 



INVERTER PANEL										
CKT-1	LIGHTING	0.300 kVA								
CKT-2	CKT-2 LIGHTING									
CKT-3	LIGHTING	1.00 kVA								
TOTAL CONN. I	TOTAL CONN. LOAD									

120/2080V,3PH,4W, 5 AMPS

	- NOT FOR CONSTRUCTION
	DT FOR
E0.3	N N N
SHEET:	TTAL
<b>110</b> OF	
143	100% SUBMITTAL
	<u>–</u>

SHEET TITLE:

SINGLE LINE DIAGRAM, LOAD CALC, PANEL AND LIGHTING SCHEDULES

NRCC-LTI-E									CALIFORNIA	EINE	RGY COMMISSIO
CERTIFICATE OF COMPLIANCE											NRCC-LTI
This document is used to demon path.	strate complia	nce with requirements	s in <u>§110.9</u>	. <u>§110.12(c)</u> , <u>§13</u>	0.0.	<u>\$130.1</u> , <u>\$140.6</u> c	and <u>§141.0(b)2</u> for ind	oor	lighting scopes usin	ng th	e prescriptive
Project Name:		ICTC Calexico	Intermodal	Transit Center Re	port P	age:					(Page 1 of
Project Address:				508 Heber Ave Da	te Pre	pared:					3/17/203
A. GENERAL INFORMATION											
01 Project Location (city)	0	Calexico			04	Total Condition	ed Floor Area (ft <sup>2</sup> )		912		Ģ.
02 Climate Zone	1	15			05	Total Unconditi	oned Floor Area (ft <sup>2</sup> )		0		
03 Occupancy Types Within Pro	ject (select all	that apply):			06	# of Stories (Ha	bitable Above Grade)		1		1
□ Office	X F	Retail	🛛 Ware	house		Hotel/Motel			School	$\boxtimes$	Support Areas
Parking Garage	H	High-Rise Residential	Reloc	atable		Healthcare		$\boxtimes$	Other (Write in)		See Table I
B. PROJECT SCOPE						49					0 
This table includes any lighting s <u>§141.0(b)2</u> for alterations.	stems that an	e within the scope of t	he permit	application and	are d	emonstrating co	mpliance using the pre	scri	ptive path outlined	in <u>§</u>	<u>140.6</u> or
S	cope of Work				Co	nditioned Space	IS		Uncondition	ned s	Spaces
	01				02		03		04		05
My Project Con	sists of (check	all that apply):		Calcula	tion M	Method	Area (ft <sup>2</sup> )		Calculation Metho	d	Area (ft <sup>2</sup> )
New Lighting System				Area Cate	egory	Method	912	A	Area Category Meth	nod	0
	king Garage									_	

912

### STATE OF CALIFORNIA Indoor Lighting

### CALIFORNIA ENERGY COMMISSION NRCC-LTI-E CERTIFICATE OF COMPLIANCE NRCC-LTI-E ICTC Calexico Intermodal Transit Center Report Page: 608 Heber Ave Date Prepared: Project Name: (Page 2 of 8) 3/17/202 Project Address: C. COMPLIANCE RESULTS l Conditions" refer to Table D. for guidance. Adjusted Lighting Power per §140.6(a) (Watts) **Compliance Results** 05 06 07 09 08 Total PAF Lighting Control Credits (Watts) (-) Total Adjusted Total Allowed (Watts) (Watts) \*Includes 05 must be >= 08 §140.6 Adjustments (See Table F) (See Table P) 566.4 COMPLIES 623 566.4 0 Controls Compliance (See Table H for Details) COMPLIES Rated Power Reduction Compliance (See Table Q for Details) D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction. F. INDOOR LIGHTING FIXTURE SCHEDULE This table includes all permanent designed lighting and all portable lighting in offices. Designed Wattage: Conditioned Spaces 06 07 08 09 05 10 Field Inspector Vatts per How is Wattage | Total Number | Excluded per Design Watts Pass Fail determined of Luminaires §140.6(a)3

		Allowed Light	ing Power per	§140.6(b) (Wa	att
Lighting in conditioned and	01	02	03	04	
unconditioned spaces must not be combined for compliance per §140.6/b)1	Complete Building §140.6(c)1	Area Category <u>§140.6(c)2</u>	Area Category Additional §140.6(c)2G (+)	Tailored <u>§140.6(c)3</u> ( +)	3=
	(See Table I)	(See Table I)	(See Table J)	(See Table K)	р.
Conditioned		623.2	0		=
Unconditioned					-

Designed Watta	ge: Conditioned Spaces			
01	02	03	04	05
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change <sup>1</sup>	Watts per Iuminaire <sup>2</sup>
A	A	No	No	27.2
D	D	No	No	21

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

Indoor Lighting	
NRCC-LTI-E	
CERTIFICATE OF COMPLIANCE	
Project Name:	ICTC Calexico
Project Address:	

This section does not apply to this project.
IR 80% LIGHTING POWER FOR ALL ALTERATIONS - CC

T. DECLARA	ION OF REQUIRED CERTIFICATES OF INSTALLATION
Additional Re	ve been made based on information provided in this document. marks. These documents must be provided to the building inspe energy.ca.gov/title24/2019standards/2019_compliance_docum

TATE OF CALIFORM	AIR			
ndoor Ligh	nting			
NRCC-LTI-E			NIA ENERGY C	
CERTIFICATE OF	COMPLIA			NRCC-LTI-E
Project Name:		ICTC Calexico Intermodal Transit Center Report Page:		(Page 6 of 8)
Project Address:		608 Heber Ave Date Prepared:		3/17/2022
Q. RATED PO	WER REE	DUCTION COMPLIANCE FOR ALTERATIONS		
This section do	es not ap	ply to this project.		
R. 80% LIGHT	ING POV	NER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS		
This section do	es not ap	ply to this project.		
S. DAYLIGHT	DESIGN	POWER ADJUSTMENT FACTOR (PAF)		
This section do	es not ap	ply to this project.		
T. DECLARATI	ON OF R	EQUIRED CERTIFICATES OF INSTALLATION		
Additional Rem	arks. The	ade based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be ese documents must be provided to the building inspector during construction and can be found online at gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/	included in To	able E.
Yes	No	Form/Title	Field In:	spector
100			Pass	Fail
•	0	NRCI-LTI-01-E - Must be submitted for all buildings		
0	•	NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.		
0	•	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.		
0	٠	NRCI-LTI-05-E- Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.		
0	٠	NRCI-LTI-06-E- Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.		

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

NO.	BY:	REVISION COMMENTS			APPROVED BY:
				CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	
			When California Goal Window What		ENGINEER DATE

	Sche	ema Version: rev 2020	0601			
STATE OF CALIFORNIA						
Indoor Lighting NRCC-LTI-E					CALLEORNIA EN	ERGY COMMISSION
					CALIFORNIA EN	NRCC-LTI-E
Project Name:	ICTC Calexico Intermodal Transit Cen	nter Report Page				(Page 5 of 8)
Project Address:		Ave Date Prepared:				3/17/2022
I. LIGHTING POWER ALLOWANCE:	: COMPLETE BUILDING OR AREA CATEGORY M	TETHODS				
Restrooms	Restrooms	0.65	196	127.4	No	No
Storages	Commercial Industrial Storage Area	0.45	46	20.7	No	No
Breakrooms	Lounge Breakroom or Waiting Area	0.65	222	144.3	No	No
Ticket Booth	Retail Merchandise Sales	1	223	223	No	No
Electrical/Security Room	Electrical Mechancial Telephone Room	0.4	136	54.4	No	No
Vestibule	Corridor Area	0.6	89	53.4	No	No
		TOTALS:	912	623.2	See Tables J,	or P for detail
					-	
J. ADDITIONAL ALLOWANCE: ARE	A CATEGORY METHOD QUALIFYING LIGHTING	SYSTEM				
This section does not apply to this pro	oject.					
K. TAILORED METHOD GENERAL L	IGHTING POWER ALLOWANCE					
This section does not apply to this pro	oject.					
L. ADDITIONAL LIGHTING ALLOW	ANCE: TAILORED WALL DISPLAY					
This section does not apply to this pro	oject.					
						1
	VANCE: TAILORED FLOOR AND TASK LIGHTING	t				
This section does not apply to this pro	oject.					
N ADDITIONAL LIGHTING ALLOW	ANCE. TAILODED ODNAMENTAL (CDECIAL FEE	CTC				
N. ADDITIONAL LIGHTING ALLOW	ANCE: TAILORED ORNAMENTAL/SPECIAL EFFE	2013				

Registration Date/Time:

Report Version: 2019.1.003

**Registration Number:** 

Registration Date/Time:

N. ADD This section does not apply to this project.

Total Area of Work (ft<sup>2</sup>)

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) This section does not apply to this project.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

**Registration Number:** 

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46

0

Registration Provider: Energysoft

Report Generated: 2022-03-17 16:44:46

Plotted - 3/22/2022 2:19:56 PM :: Saved - 3/17/2022 4:55:53 PM :: P:\P-2021\2021-041-00 ICTC Calexico Transit\10\_BIM-CAD\MEP\E0.4.dwg :: kkiliona

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46

84

Mfr. Spec 12 No 326.4

Mfr. Spec 4 No

# STATE OF CALIFORNIA

U-UFt			CALIFORNIA ENERGI CO
RTIFICATE OF COMPLIANCE			
oject Name:	ICTC Calexico Intermodal Transit Center	Report Page:	
oject Address:	608 Heber Ave	Date Prepared:	
INDOOR LIGHTING FIXTURE SCHEDULE			

NRCC-LTI-E	hting		CALIFORNIA ENERGY COMMISSION	Indoor Lighting							CALIFORM		COMMISSIO
CERTIFICATE OF	COMPLIANCE		NRCC-LTI-E	NRCC-LTI-E							CALIFURI	IA ENERGY	NRCC-LTI-
Project Name:		nodal Transit Center Report Page:	(Page 3 of 8)	Project Name:	ICTC Cal	exico Intermodal T	ransit Center Rep	oort Page:					(Page 4 of 8
Project Address	1	608 Heber Ave Date Prepared:	3/17/2022	Project Address:		60	8 Heber Ave Dat	te Prepared:					3/17/202
F. INDOOR LI	GHTING FIXTURE SCHEDULE	· · · · ·		H. INDOOR LIGHTING CONT	ROLS (Not including PAFs)								
E	E No No	26 Mfr. Spec 6 No	156 🗌 🗌	Area Level Controls									
		Total Designed Watts: CONDITIONED SPA	CES 566.4	04	05	06	07	08	09	10	11		12
this adjustmen	t, the permit applicant should enter full rated wattage in co	es which qualify per <u>\$140.6(a)4B</u> is adjusted to be 75% of their ro lumn 05. wattage used for compliance per <u>\$130.0(c)</u> Wattage used must		Area Description	Complete Building or Area Category Primary Function	Area Controls	Multi-Level Controls	Shut-Off Controls	Primary/Sky lit	Secondary Daylighting	Interlocked Systems	Field II	Inspector
the lamp.					Area	<u>§130.1(a)</u>	<u>§130.1(b)</u>	<u>§130.1(c)</u>	Daylighting §130.1(d)	<u>§140.6(d)</u>	<u>§140.6(a)1</u>	Pass	Fail
	t LIGHTING SYSTEMS bes not apply to this project.			Restrooms	Restrooms	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
		16 7 F 16 16		Breakrooms	Lounge Breakroom or Waiting	Manual	Dimmer	Occupancy Sensor	N/A	N/A	No		
	IGHTING CONTROLS (Not including PAFs)	ices. When a control having a * is shown, the notes section of thi	s table provides more detail on how		Area Electrical Mechancial	ON/OFF Manual			1				
1000		mmary Table on the first page will show "DOES NOT COMPLY" if		Electrical/Security Rooms	Telephone Room	ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
Building Level	Controls 01	02	03	Ticket Booth	Retail Merchandise Sales	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
	Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector Pass Fail	Storages	Warehouse	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
	Not Required <= 10,000 SF	Whole Building Auto Time Switch		Vestibule	Corridor Area	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
					lire a note in the space below exp ight Daylighting: Exempt because		•			Plan Shee	13 t Showing Da	ylit Zones:	
				I. LIGHTING POWER ALLOW	ANCE: COMPLETE BUILDING	OR AREA CATEG	ORY METHO	DS					
				Each area complying using the <u>§140.6(c)</u> or adjustments per <u>§</u>	Complete Building or Area Categ	ory Methods per	<u>§140.6(b)</u> are i	included in this table. C	olumn 06 indi	cates if additi	ional li <mark>gh</mark> ting	power allow	vances per
				Conditioned Spaces									
				01	0:	2		03 04		05		06	
				-									
				Area Description	Complete Building or A Functio		and the second se	ed Density W/ft <sup>2</sup> ) Area (ft	2)	ed Wattage Vatts)	Additional Area Cate		/ Adjustment PAF
Registration Nu	mber:	Registration Date/Time:	Registration Provider: Energysoft	Area Description Registration Number:			and the second se	W/ft <sup>2</sup> ) Area (ft	2)		Area Cate	gory	PAF
	imber: ergy Efficiency Standards - 2019 Nonresidential Compliance	Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601	Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46	Registration Number:		n Area	Registration Report Versi	W/ft <sup>2</sup> ) Area (ft	2)		Area Cate Regis	gory tration Provid	PAF der: Energysof
CA Building Ene STATE OF CALIFORI	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA	Report Version: 2019.1.003	Report Generated: 2022-03-17 16:44:46	Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA Indoor Lighting	Functio	n Area	Registration Report Versi	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003	2)		Area Cate Regis Report Gene	gory cration Provid	PAF der: Energysoft 03-17 16:44:46
CA Building Ene	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA hting	Report Version: 2019.1.003		Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA	Functio	n Area	Registration Report Versi	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003	2)		Area Cate Regis Report Gene	gory cration Provid	PAF der: Energysoft 03-17 16:44:46 / COMMISSIO
CA Building Ene STATE OF CALIFORI Indoor Ligi NRCC-LTI-E CERTIFICATE OF Project Name:	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA hting COMPLIANCE ICTC Calexico Interr	Report Version: 2019.1.003 Schema Version: rev 20200601 nodal Transit Center Report Page:	Report Generated: 2022-03-17 16:44:46 CALIFORNIA ENERGY COMMISSION NRCC-LTI-E (Page 7 of 8)	Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CERTIFICATE OF COMPLIANCE Project Name:	Functio	n Area ance exico Intermodal T	() Registration Report Versi Schema Vers	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003 sion: rev 20200601	2)		Area Cate Regis Report Gene	gory cration Provid	PAF der: Energysoft 03-17 16:44:46 COMMISSIO NRCC-LTI- (Page 8 of 8
CA Building Ene STATE OF CALIFORI Indoor Ligi NRCC-LTI-E CERTIFICATE OF	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA hting COMPLIANCE ICTC Calexico Interr	Report Version: 2019.1.003 Schema Version: rev 20200601	Report Generated: 2022-03-17 16:44:46 CALIFORNIA ENERGY COMMISSION NRCC-LTI-E	Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CERTIFICATE OF COMPLIANCE	Functio	n Area ance exico Intermodal T	() Registration Report Versi Schema Vers	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003 sion: rev 20200601	2)		Area Cate Regis Report Gene	gory cration Provid	
CA Building Ener STATE OF CALIFORI Indoor Ligl NRCC-LTI-E CERTIFICATE OF Project Name: Project Address	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA hting COMPLIANCE ICTC Calexico Interr	Report Version: 2019.1.003 Schema Version: rev 20200601 nodal Transit Center Report Page:	Report Generated: 2022-03-17 16:44:46 CALIFORNIA ENERGY COMMISSION NRCC-LTI-E (Page 7 of 8)	Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA Indoor Lighting NRCC-UTI-E CERTIFICATE OF COMPLIANCE Project Name: Project Address:	Functio	n Area ance exico Intermodal T 60	() Registration Report Versi Schema Vers	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003 sion: rev 20200601	2)		Area Cate Regis Report Gene	gory cration Provid	PAF der: Energysoft 03-17 16:44:46 COMMISSIO NRCC-LTI- (Page 8 of 8
CA Building Ene STATE OF CALIFORI Indoor Ligi NRCC-LTI-E CERTIFICATE OF Project Name: Project Address	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA hting COMPLIANCE ICTC Calexico Interr	Report Version: 2019.1.003 Schema Version: rev 20200601 nodal Transit Center Report Page:	Report Generated: 2022-03-17 16:44:46 CALIFORNIA ENERGY COMMISSION NRCC-LTI-E (Page 7 of 8) 3/17/2022	Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CERTIFICATE OF COMPLIANCE Project Name: Project Address: DOCUMENTATION AUTHOR	Functio	n Area ance exico Intermodal T 60	() Registration Report Versi Schema Vers Schema Vers Ransit Center <b>Rep</b> 8 Heber Ave <b>Dat</b>	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003 sion: rev 20200601	2)		Area Cate Regis Report Gene	gory cration Provid	PAF der: Energysoft 03-17 16:44:46 COMMISSIO NRCC-LTI- (Page 8 of 8
CA Building Ener STATE OF CALIFORI Indoor LigI NRCC-LTI-E CERTIFICATE OF Project Name: Project Address U. DECLARAT Selections have Additional Rem	ergy Efficiency Standards - 2019 Nonresidential Compliance NIA hting COMPLIANCE ICTC Calexico Interr : ION OF REQUIRED CERTIFICATES OF ACCEPTANCE e been made based on information provided in this docume	Report Version: 2019.1.003 Schema Version: rev 20200601 nodal Transit Center Report Page: 608 Heber Ave Date Prepared: nt. If any selection have been changed by the permit applicant, a spector during construction and any with "-A" in the form name r	Report Generated: 2022-03-17 16:44:46 CALIFORNIA ENERGY COMMISSION NRCC-LTI-E (Page 7 of 8) 3/17/2022	Registration Number: CA Building Energy Efficiency Stan STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CERTIFICATE OF COMPLIANCE Project Name: Project Address: DOCUMENTATION AUTHOR	ICTC Cal	n Area ance exico Intermodal T 60	Registration Report Versis Schema Vers ransit Center Rep 18 Heber Ave Dat	W/ft <sup>2</sup> ) Area (ft Date/Time: on: 2019.1.003 sion: rev 20200601	-) ((	Vatts)	Area Cate Regis Report Gene	gory tration Provid rated: 2022-0	PAF der: Energysoft 03-17 16:44:46 COMMISSIO NRCC-LTI- (Page 8 of 8
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Schema Version: rev 20200601	
	Report Version: 2019.1.003

Indoor Lighting			Indoor Lighting									
		CALIFORNIA ENERGY COMMISSION	NRCC-LTI-E							CALIFORM	IA ENERGY (	
Project Name: ICTC Calexico Intermodal T	ansit Conter Penert Page	NRCC-LTI-E (Page 3 of 8)	Project Name:	ICTC Col	exico Intermodal Tr	ransit Contor Por	ort Page					NRCC-LTI-E (Page 4 of 8)
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	billeber Arc bace i reparent.	5/17/2022	riget Address.				errepurcu.					5) 17/2022
F. INDOOR LIGHTING FIXTURE SCHEDULE	· · · · · · · · · · · · · · · · · · ·	1	H. INDOOR LIGHTING CONT	POLS (Not including PAEs)	-0							
	26 Mfr. Spec 6 No	156 🔲 🗌	Area Level Controls	NOLS (NOT INCIDUNING PAIRS)								-
	Total Designed Watts: CONDITIONED SPACES	566.4	04	05	06	07	08	09	10	11	1	2
L <sup>1</sup> FOOTNOTE: Design Watts for small aperture and color changing luminaires whic		davis of the second				0,7			10	***		
this adjustment, the permit applicant should enter full rated wattage in column (				Complete Building or Area	Anna Cambrala	Multi-Level	Shut-Off Controls	Primary/Sky	Secondary	Interlocked	Cald In	
<sup>2</sup> Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm watta the lamp.	ge used for compliance per <u>\$130.0(c)</u> Wattage used must be the r	naximum r <b>ated fo</b> r the luminaire, not	Area Description	Category Primary Function Area	Area Controls §130.1(a)	Controls §130.1(b)	<u>§130.1(c)</u>	Daylighting §130.1(d)	Daylighting <u>§140.6(d)</u>	Systems <u>§140.6(a)1</u>		ispector
G. MODULAR LIGHTING SYSTEMS					Manual						Pass	Fail
This section does not apply to this project.			Restrooms	Restrooms	ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
			Breakrooms	Lounge Breakroom or Waiting	Manual	Dimmer	Occupancy Sensor	N/A	N/A	No		
H. INDOOR LIGHTING CONTROLS (Not including PAFs)			Breaktooms	Area	ON/OFF	Dimmer	Occupancy sensor	N/A	IN/A	NO		
This table includes lighting controls for conditioned and unconditioned spaces. W			Electrical/Security Rooms	Electrical Mechancial	Manual	Dimmer	Occupancy Sensor	N/A	N/A	No		
compliance is achieved. The lighting controls section of the Compliance Summary	Table on the first page will show "DOES NOT COMPLY" if the note	s are left blank.		Telephone Room	ON/OFF	-						
Building Level Controls			Ticket Booth	Retail Merchandise Sales	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
01	02	03			Manual			5575		2200		
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector Pass Fail	Storages	Warehouse	ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No		
Not Required <= 10,000 SF	Whole Building Auto Time Switch		Vestibule	Corridor Area	Manual	Dimmer	Occupancy Sensor	N/A	N/A	No		
not negated \$ 20,000 of	The building fut of the strict				ON/OFF							
				uire a note in the space below explicitly the space below explicitly the space because the space of the space						13		
			to §130.1(d)2	ignt Dayngnting. Exempt because	eress than 120 w	aus of general i	ingriting, EXCEPTION 1		Plan Shee	t Showing Da	lit Zones:	
			I. LIGHTING POWER ALLOW	ANCE: COMPLETE BUILDING	OR AREA CATEG	ORY METHOD	os					
			Each area complying using the	Complete Building or Area Categ	ory Methods per	§140.6(b) are i	included in this table. C	olumn 06 indi	cates if addit	ional lighting	ower allow	ances per
			<u>§140.6(c)</u> or adjustments per §	140.6(a) are being used .		Shahee Si Kina						
			Conditioned Spaces									
			01	0.	72:		03 04		05		06	
			Area Description	Complete Building or A Functio			ed Density W/ft <sup>2</sup> ) Area (ft	2)	ed Wattage Watts)	Additional Area Cate	Allowance /	Adjustment PAF
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20200601	Report Generated: 2022-03-17 16:44:46	STATE OF CALIFORNIA	ndards - 2019 Nonresidential Compli	ance		on: 2019.1.003 sion: rev 20200601			neport dent	atto: 2022 0.	3-17 16:44:46
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CERTIFICATE OF COMPLIANCE		NRCC-LTI-E	CERTIFICATE OF COMPLIANCE									NRCC-LTI-E
Project Name: ICTC Calexico Intermodal T	ransit Center Report Page:	(Page 7 of 8)	Project Name:	ICTC Cal	exico Intermodal Tr	ransit Center Rep	oort Page:					(Page 8 of 8)
Project Address: 60	8 Heber Ave Date Prepared:	3/17/2022	Project Address:		60	8 Heber Ave Dat	e Prepared:					3/17/2022
U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			DOCUMENTATION AUTHOR	'S DECLARATION STATEMENT	6							
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Test Technician Certification Provider (ATTCP). For more information visit: http://	www.energy.ca.gov/title24/attcp/providers.html		Darshan Patel						DARSH	AN PATE	£.	
Yes No	Form/Title	Field Inspector Pass Fail	Company: PBS Engineers				ature Date: 22-03-17					
NRCA-LTI-02-A - Must be submitted for occupancy ser	sors and automatic time switch controls		Address:				/ HERS Certification Identific	ation (if applicable	e):			
<ul> <li>NRCA-LTI-03-A - Must be submitted for automatic day</li> </ul>			2100 East Route 66, Suite 210									
NRCA-LTI-04-A - Must be submitted for demand response			City/State/Zip: Glendora CA 91740			Pho (62	ne: 6) 650-0350					
NRCA-LTI-05-A Must be submitted for institutional t			RESPONSIBLE PERSON'S DEC	CLARATION STATEMENT		(02	.0,050 0550					
			<ol> <li>The information provided of <ul> <li>I am eligible under Division</li> <li>The energy features and per of Title 24, Part 1 and Part</li> <li>The building design feature plans and specifications su</li> <li>I will ensure that a completing inspections. I understand t</li> </ul> </li> </ol>	perjury, under the laws of the State of C on this Certificate of Compliance is true a n 3 of the Business and Professions Code erformance specifications, materials, con 6 of the California Code of Regulations. es or system design features identified or ibmitted to the enforcement agency for a ted signed copy of this Certificate of Com that a completed signed copy of this Certi	nd correct. to accept responsibili ponents, and manufa this Certificate of Co pproval with this buil pliance shall be made	actured devices for mpliance are consi- ding permit applica e available with the is required to be in	the building design or syster stent with the information p ition. building permit(s) issued for cluded with the documentat	n design identifier rovided on other a r the building, and ion the builder pr	d on this Certific applicable comp d made available	ate of Compliance liance documents	e conform to th , worksheets, c ent agency for a	alculations,
			Responsible Designer Name: Kunal Shah				ponsible Designer Signature:		Ad	55 <sup>(1)</sup>		
			Company: PBS Engineers			202	e Signed: 22-03-17					
			Address: 2100 East Route 66, Suite 210			E17	nse: 7249					
			City/State/Zip: Glendora CA 91740			Pho (62	ne: 6) 650-0350					
			Giendora CA 91740			(62	טכצט-טכס נס.					

Registration Date/Time:

Report Version: 2019.1.003 Schema Version: rev 20200601

## Registration Number:

DATE

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46





ENGINEER

Registration Provider: Energysoft

Report Generated: 2022-03-17 16:44:46

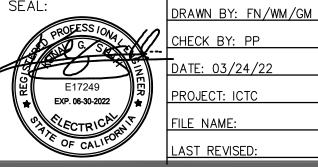


PRITAL PATEL, P.E.



PBS 2100 East Route 66, Suite 210 Glendora, CA 91740 ENGINEERS T. 626.650.0350 F. 626.650.0352 www.pbsengineers.com Job no. 2021-041-00

DATE



DATE: 03/24/22 PROJECT: ICTC FILE NAME: LAST REVISED:

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46

**E0.4** 

SHEET:

111

OF

143

# PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

T-24 COMPLIANCE FORMS (INDOOR)

SHEET TITLE:

Out	door Lighting								CALIFORM	IA ENERG		
	FICATE OF COMPLIANCE										NRCC-LTO-E	
Projec	t Name:		ICTC Calexico	Intermodal Transit Center Re	port Pa	ge:					(Page 1 of 8)	
Projec	t Address:			608 Heber Ave Da	te Prepa	ared:					3/17/2022	
A. GE	NERAL INFORMATION											
01	Project Location (city)	Calexi	со					1020				
02	Climate Zone	15			- 04	Total Illuminated F	lardscape Area (ft <sup>2</sup> )	4826	U			
03	Outdoor Lighting Zone per Title 24 Part :	1 <u>§10.1</u>	14 or as desig	nated by Authority Having	Jurisdie	ction (AHJ):						
	LZ-0: Very Low - Undeveloped Parkland		LZ-2: Modera	te - Rural Areas		LZ-4: High - Must b	e reviewed by CA En	ergy C	ommissior	n for Appro	val	
	LZ-1: Low - Developed Parkland		LZ-3: Modera	tely High - Urban Areas		•						
This t	OJECT SCOPE able includes outdoor lighting systems tha 0(b)2L for alterations.	it are w	vithin the scope	e of the permit <b>appl</b> ication	and are	e demonstrating con	npliance using the pr	escript	ive path o	utlined in §	140.7 or	
My Pi	roject Consists of:											
	01						02					
Þ	New Lighting System			Must Comply with Allowa	nces fr	om <u>§140.7</u>						
	Altered Lighting System			Is your alteration increasing	ng the o	connected lighting lo	oad (Watts)?		Yes	$\bigcirc$	No	
	03			0.	4			05				
	% of Existing Luminaires Being A	ltered <sup>1</sup>		Sum Total of Luminaires Being Added or Altered				Calculation Method				
	< 10%		>= 50%									
Pleas	e proceed to Table F. Outdoor Lighting Fix	xture S	chedule to def	ine the project's luminaire:	s.							

<sup>1</sup> FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

### **Outdoor Lighting** NRCC-LTO-E CERTIFICATE OF COMPLIANCE Project Name: Project Address: C. COMPLIANCE RESULTS to Table D. Exceptional Conditions for guidance or see applicable Table referenced below. Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2 01 02 04 General Per Sales Hardscape rnamental Application Frontage Allowance §140.7(d)2 §140.7(d)2 §140.7(d)2

(See Table J)

(See Table K)

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

(See Table L)

STATE OF CALIFORNIA

§140.7(d)1

(See Table I)

2,341.8

D. EXCEPTIONAL CONDITIONS

E ADDITIONAL REMARKS

A Building Energy Efficiency Standards - 2019 N	Ionresidential Compliance		Report Version: 2 Schema Version: 1			Repo	ort Generated: 202	22-03-17 16:44:46
ATE OF CALIFORNIA Outdoor Lighting RCC-LTO-E						C	ALIFORNIA ENER	
ERTIFICATE OF COMPLIANCE								NRCC-LTO-E
roject Name:	ICTC Calexic	o Intermodal Tran	sit Center Report P	Page:				(Page 5 of 8)
roject Address:		608 H	leber Ave Date Pre	epared:				3/17/2022
LIGHTING POWER ALLOWANCE (per §	<u>140.7</u> )					8		
his table includes areas using allowance cal	culations per §140.7. (	General Hardscar	pe -			01		
llowance is per Table 140.7-A while "Use it				ueral "Use it	or lose it" Allow	ance (select all th	nat apply) (select	all that apply)
dicate which allowances are being used to expand sections for user int nat qualify for one of the "Use it or lose it" allowances shall not qualify or lose it" allowance.			ires Hardso	ape 🗌 ince Applie	Per Sale		Ornamental Table L	Per Specific Area Table M
alculated General Hardscape Lighting Powe	r Allowance per Table	140.7-A (LZ 0, 1	& 4)					
his section does not apply to this project.								
alculated General Hardscape Lighting Powe	r Allowance per Table	140.7-A (LZ 2 & 3	3)					
02	03	04	05	06	07	08	9	10
		Area W	attage Allowance	e (AWA)	Area W	attage Allowance	(AWA)	- Total General
Area Description	Surface Type	Illuminated Area (ft <sup>2</sup> )	Allowed Density (W/ft <sup>2</sup> )	Area Allowance (Watts)	Perimeter Length (If)	Allowed Density (W/If)	Linear Allowance (Watts)	AWA + LWA (Watts)
Pedestrian Hardscape	Concrete	1260	0.03	37.8	360	0.4	144	181.8
					Initial Wattage	Allowance for Ent	tire Site (Watts):	: 350
					Total Gener	ral Hardscape All	owance (Watts):	2341.8
LIGHTING ALLOWANCE: PER APPLICAT	TION							
his section does not apply to this project.								
LIGHTING ALLOWANCE: SALES FRONT	AGE							
his section does not apply to this project.								
LIGHTING ALLOWANCE: ORNAMENTA	L							
his section does not apply to this project.								

Registration Date/Time:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

### STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E CERTIFICATE OF COMPLIANCE ICTC Calexico Intermodal Transit Center Report Page: Project Name: Project Address: 608 Heber Ave Date Prepared M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This table includes areas using the wattage allowance per specific area from Table 140.7-B. More than one specific area allowance may be taken in a single project, if applicable.

01 02		03	04	05	06	07	08
		CALCULATE	D ALLOWAN	ICE (Watts)		DESIGN	WATTS
Area Description	Specific Area Type per <u>Table</u> <u>140.7-B</u>	Specific Area (ft <sup>2</sup> ) <sup>1</sup>	Allowed Density (W/ft <sup>2</sup> )	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires
Shade Canopy	SalesCanopy	1025	0.622	637.55	в	35	16
					Tota	Design Watts	for this Area
Bus Canopy	SalesCanopy	5125	0.622	3187.75	SA	27.2	99
					Tota	l Design Watts	for this Area
		nic.				Total A	llowance (W

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) section does not apply to this project.

	TION OF	
D. DECLARA	ATION OF	REQUIRED CERTIFICATES OF INSTALLATION
dditional Re	marks. The	ade based on information provided in this document. If an ese documents must be provided to the building inspector gov/title24/2019standards/2019_compliance_document
Yes	No	
•	0	NRCI-LTO-01-E - Must be submitted for all buildings
•	0	NRCI-LTO-02-E- Must be submitted for a lighting control recognized for compliance.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

STATE OF CALIFORNIA

Registration Number:

Regi	stration Date/Time:
Repo	ort Version: 2019.1.003
Sche	ma Version: rev 20200601

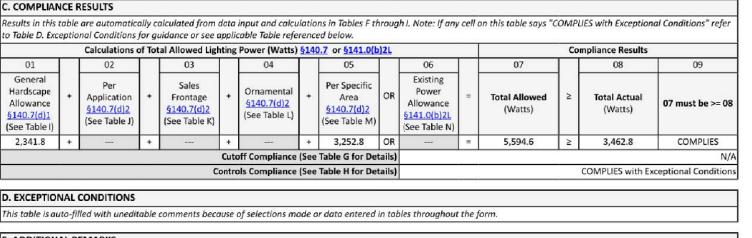
Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46

Registration Provider: Energysoft

Registration Number:

APPROVED BY: REVISION COMMENTS NO. BY: 7 COMMUNITY DEVELOPMENT DEPARTMENT 88 ENGINEERING DIVISION Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov DATE ENGINEER

### CALIFORNIA ENERGY COMMISSION NRCC-ITO-F ICTC Calexico Intermodal Transit Center Report Page: (Page 2 of 8) 608 Heber Ave Date Prepared: 3/17/202



### STATE OF CALIFORNIA **Outdoor Lighting**

IRCC-LTO-E			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	ICTC Calexico Intermodal Transit Center	Report Page:	(Page 3 of 8)
Project Address:	608 Heber Ave	Date Prepared:	3/17/2022

## F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with <u>\$140.7</u> all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per <u>§141.0(b)21</u> only new luminaires being installed and ement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). ned Wattage

01	02		03	04	05	06	07	08	09	1	.0
Name or Item Tag	Complete Luminaire De	escription	Watts per luminaire <sup>1, 2</sup>	How is Wattage	Total number luminaires <sup>2</sup>	Luminaire Status <sup>3</sup>	Excluded per §140.7(a)	Design Watts	C 200 1 11 1		eld ector
				determined					§130.2(b) 4	Pass	Fail
В	В	🗆 Linear	35	Mfr. Spec	16	New		560	NA: < 6200 lumens		
SA	SA	🗆 Linear	27.2	Mfr. Spec	99	New		2,692.8	NA: < 6200 Iumens		
SB	SB	🗆 Linear	20	Mfr. Spec	22	New			NA: < 6200 lumens		
SP	SP	🗆 Linear	166	Mfr. Spec	31	New			NA: < 6200 Iumens		
w	w	🗆 Linear	30	Mfr. Spec	4	New		120	NA: < 6200 lumens		
WA	WA	🗆 Linear	18	Mfr. Spec	5	New		90	NA: < 6200 Iumens		
8						Tota	Design Watts:	3462.8			2 m.

### \* NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved. EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

<sup>2</sup> For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires. <sup>3</sup> Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

<sup>4</sup> Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by <u>§130.2(b)</u>

Registration Number:	Registration Date/Time:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003
	Schema Version: rev 20200601

<sup>1</sup>FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>§130.0(c)</u>

### STATE OF CALIFORNIA Outdoor Lighting

Registration Provider: Energysoft

Additional

Allowance

(Watts)

560

2692.8

3252.8

Report Generated: 2022-03-17 16:44:46

Design Watts

560

560

2,692.8

Registration Provider: Energysoft

Report Generated: 2022-03-17 16:44:46

CALIFORNIA ENERGY COMMISSION	NRCC-LTO-E	
NRCC-LTO-E	CERTIFICATE OF COMPLIANCE	
(Page 6 of 8)	Project Name:	ICTC Calexico Intermodal Transit Center Report Page:
3/17/2022	Project Address:	608 Heber Ave Date Prepared
	P. DECLARATION OF REQUIRED	CERTIFICATES OF ACCEPTANCE

P. DECLARA	ATION OF RE	QUIRED CERTIFICATES OF ACCEPTANCE			
Additional R	emarks. These	le based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be e documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Tech e information visit: http://www.energy.ca.gov/title24/attcp/providers.html			
Yes No Form/Title			Field Inspector		
			Pass	Fail	
٠	0	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.			

lditional lighting allowances.	
ts/luminaire. Total linear feet should be indicated in colu	mn 08 instead of number of luminaires.
ny selection have been changed by permit applicar	nt, an explanation should be included in Table E.
during construction and can be found online at	
s/Nonresidential_Documents/NRCI/	
	Field Inspector

04 05 06 07 08 09 10

Total Design Watts for this Area:

16

Total Allowance (Watts) All Areas:

Total Design Watts for this Area: 2692.8

Form/Title	Field Inspector		
Formy rice	Pass	Fail	
ol system, or for an Energy Management Control System (EMCS), to be			

ENGINEER

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20200601

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

DATE

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46

Registration Provider: Energysoft

Report Generated: 2022-03-17 16:44:46

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

(Page 7 of 8)

3/17/2

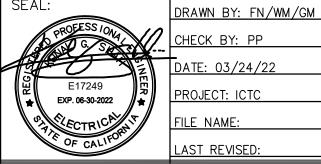






PRITAL PATEL, P.E.





CHECK BY: PP DATE: 03/24/22 PROJECT: ICTC FILE NAME: AST REVISED

STATE OF CALIFORNIA
<b>Outdoor Lighting</b>

NRCC-LTO-E

### CERTIFICATE OF COMPLIANCE NRCC-ITO-F ICTC Calexico Intermodal Transit Center Report Page: Project Name: (Page 4 of 8) 608 Heber Ave Date Prepared: Project Address 3/17/2 G. CUTOFF REQUIREMENTS (BUG) his section does not apply to this project. H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. When an option having a \* is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. Mandatory Controls 05 01 03 04 Field Inspector Shut-Off Auto-Schedule Motion Sensor Area Description §130.2(c)1 §130.2(c)2 §130.2(c)3 Pass Exempt Automotive Hardscape Photocontrol Exempt\* Sales Canopy (Station) Photocontrol Yes Sales Canopy (Ticketing) Photocontrol Yes Exempt Pedestrian Hardscape Photocontrol Exempt \* NOTES: Controls with a \* require a note in the space below explaining how compliance is achieved. EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2 tomotive Hardscape **Bus Parking** Sales Canopy (Station) Transit Station (Waiting) Sales Canopy (Ticketing) Transit Station (Ticketing) Pedestrian Hardscape

Registration Number:

STATE OF CALIFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name ICTC Calexico Intermodal Transit Center Report Page: (Page 8 of 8) 608 Heber Ave Date Prepared: 3/17/20 Project Address DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. mentation Author Nam umentation Author Signatur DARSHAN PATEL Darshan Patel

nature Date: Company: **PBS Engineers** / HERS Certification Identification (if applicable) 2100 East Route 66. Suite 210 (626) 650-0350 Glendora CA 91740 RESPONSIBLE PERSON'S DECLARATION STATEMENT certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirem of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, 4. and specifications submitted to the enforcement agency for approval with this building permit application.
 i will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable

Responsible Designer Name: Kunal Shah	Responsible Designer Signature:
Company:	Date Signed:
PBS Engineers	2022-03-17
Address:	License:
2100 East Route 66, Suite 210	E17249
City/State/Zip:	Phone:
Glendora CA 91740	(626) 650-0350

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft Report Generated: 2022-03-17 16:44:46

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PROJECT	DESCRIPTION

CALEXICO INTERMODAL TRANSIT CENTER

T-24 COMPLIANCE FORMS (OUTDOOR)

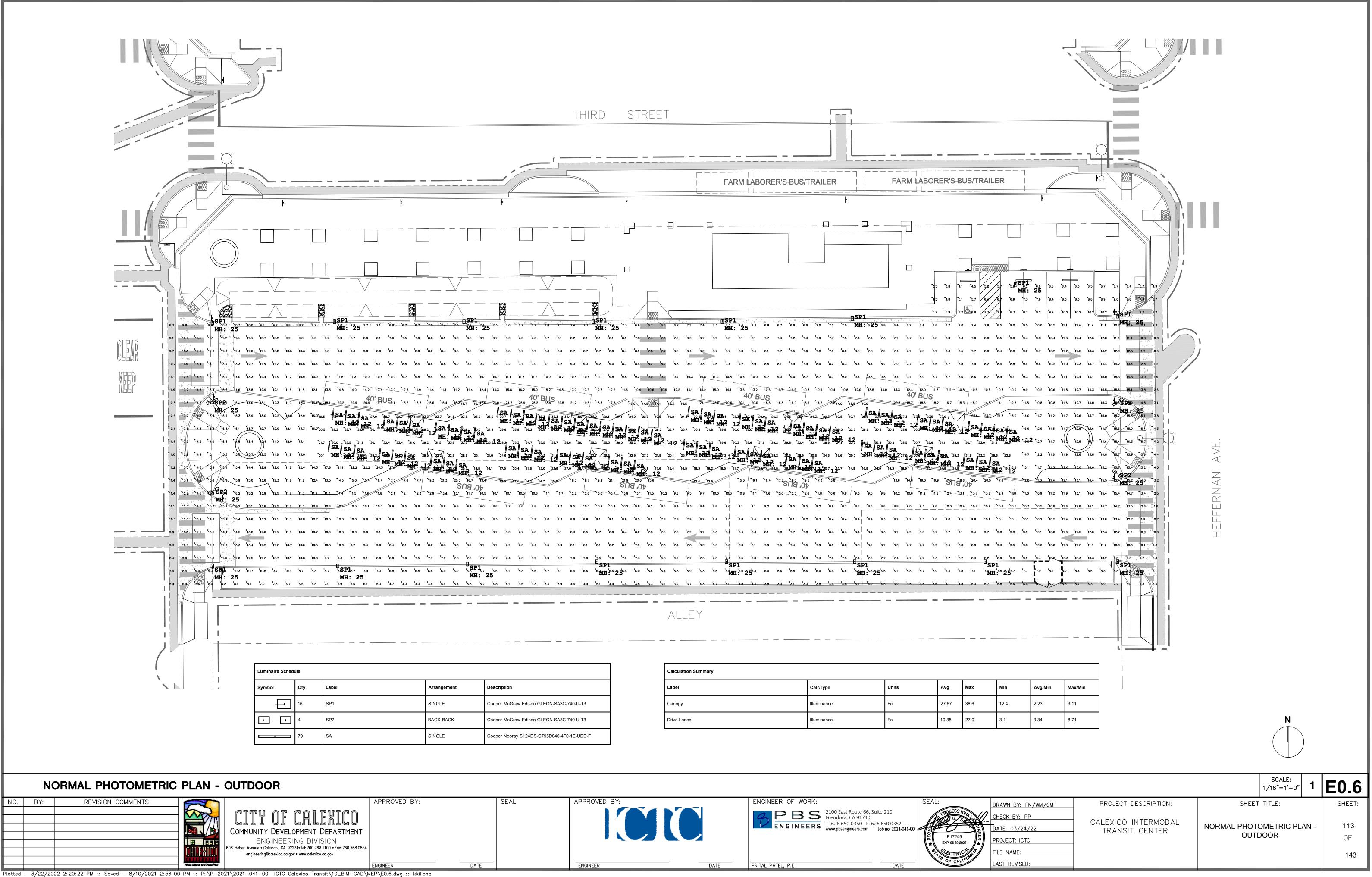
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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601 Registration Provider: Energysoft

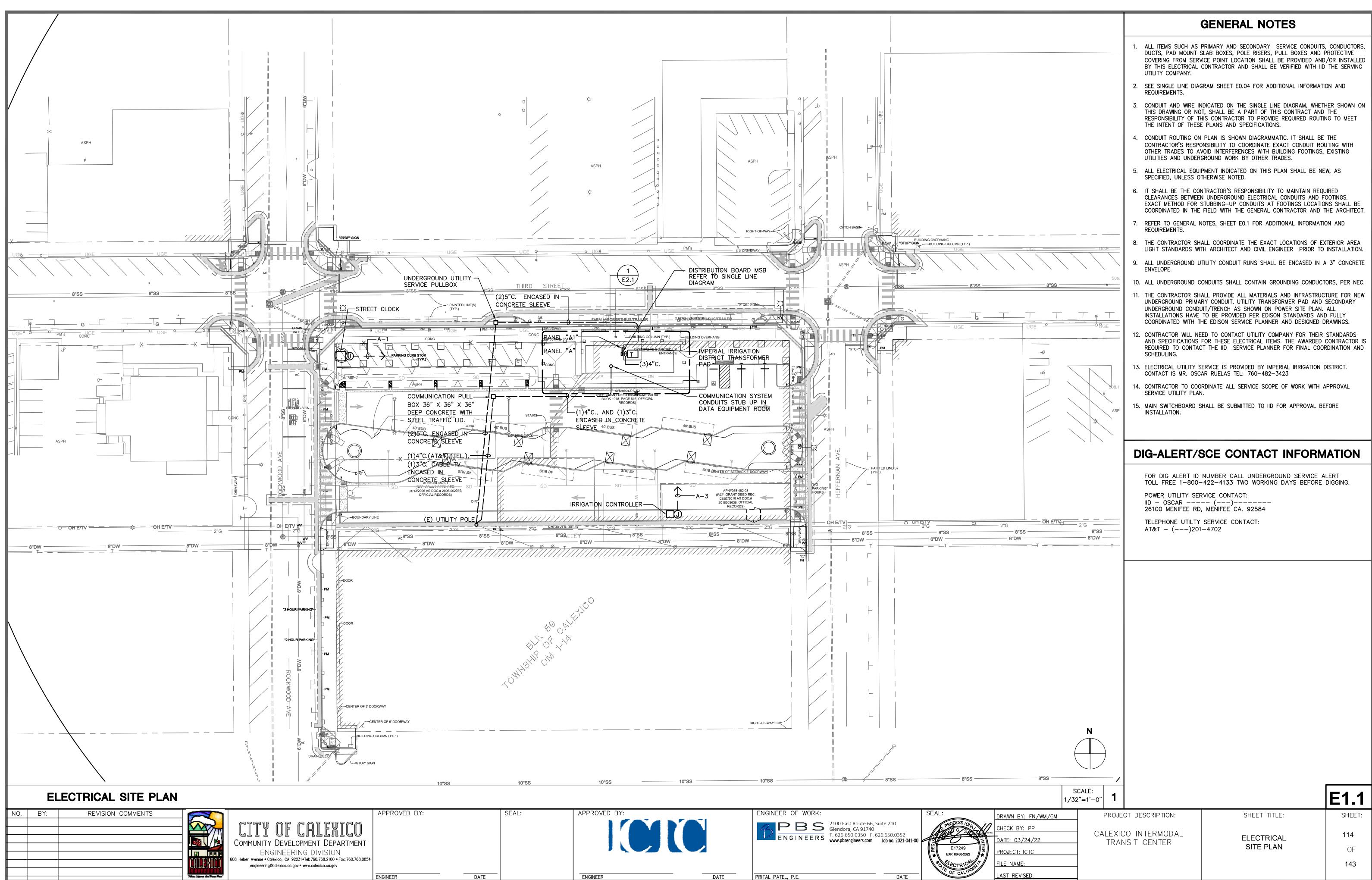
CALIFORNIA ENERGY COMMISSION

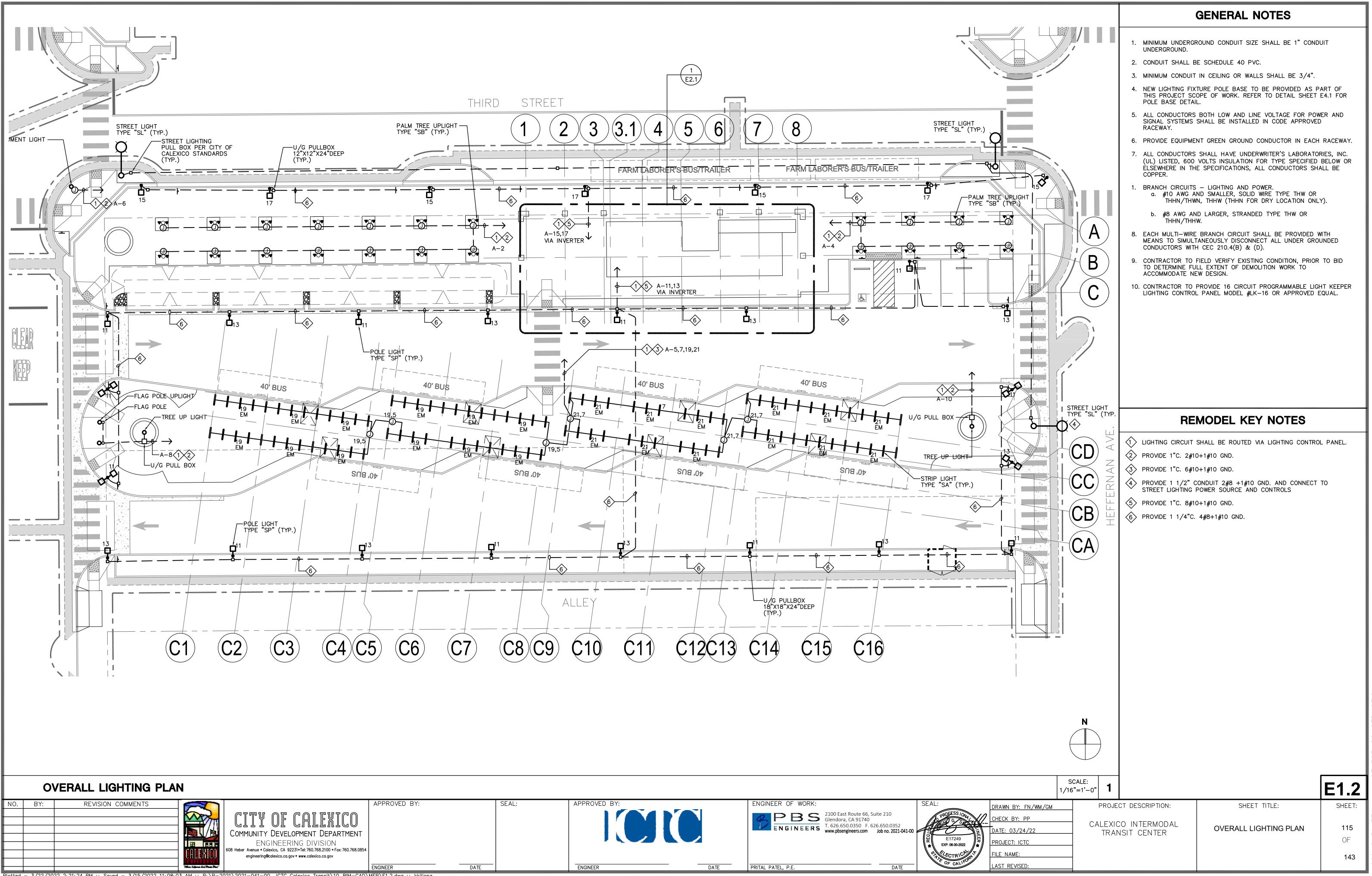
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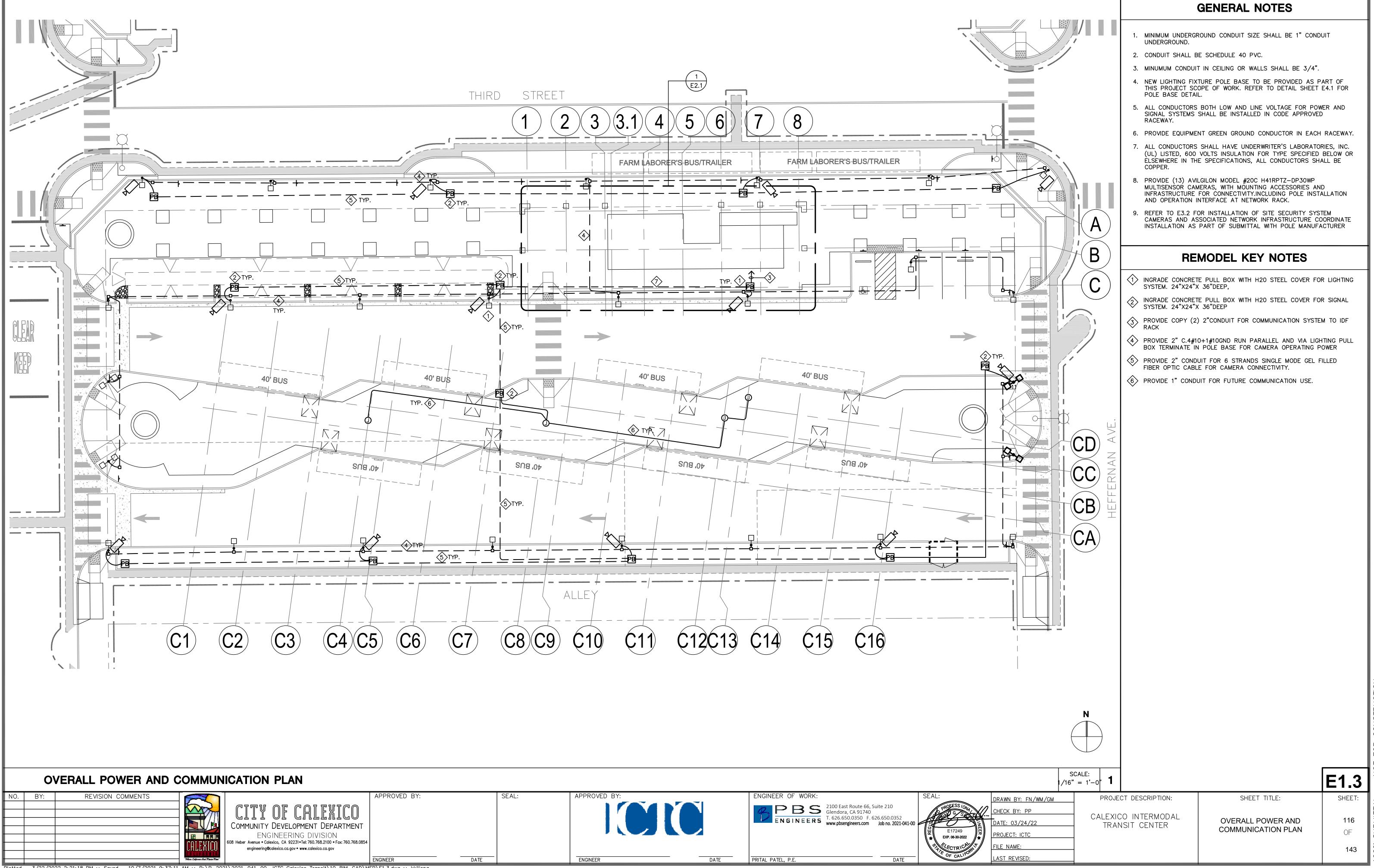
	608 Heber

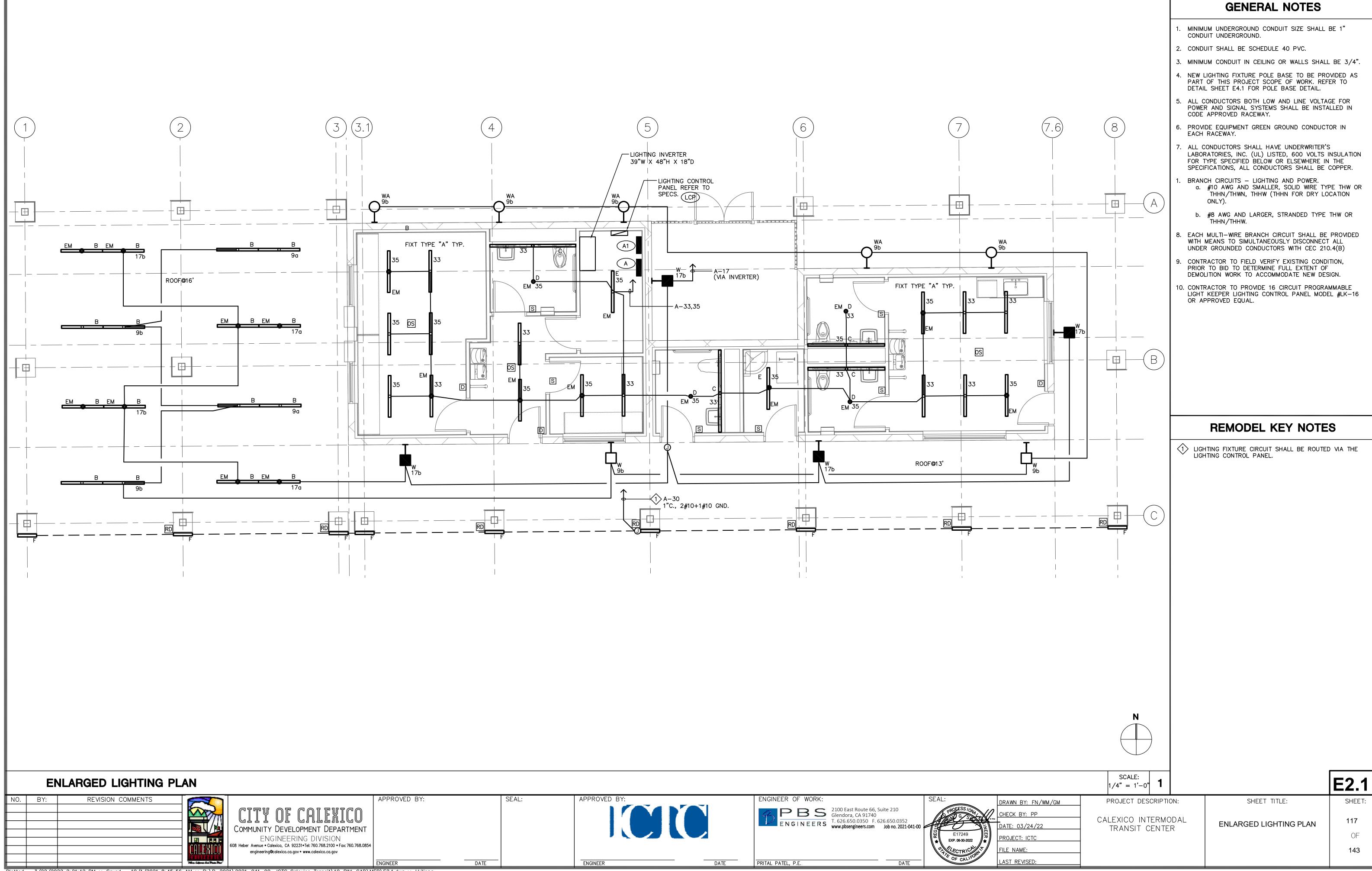
Calculation Summary					
Label	CalcType	Units	Avg	Мах	Min
Сапору	Illuminance	Fc	27.67	38.6	12.4
Drive Lanes	Illuminance	Fc	10.35	27.0	3.1



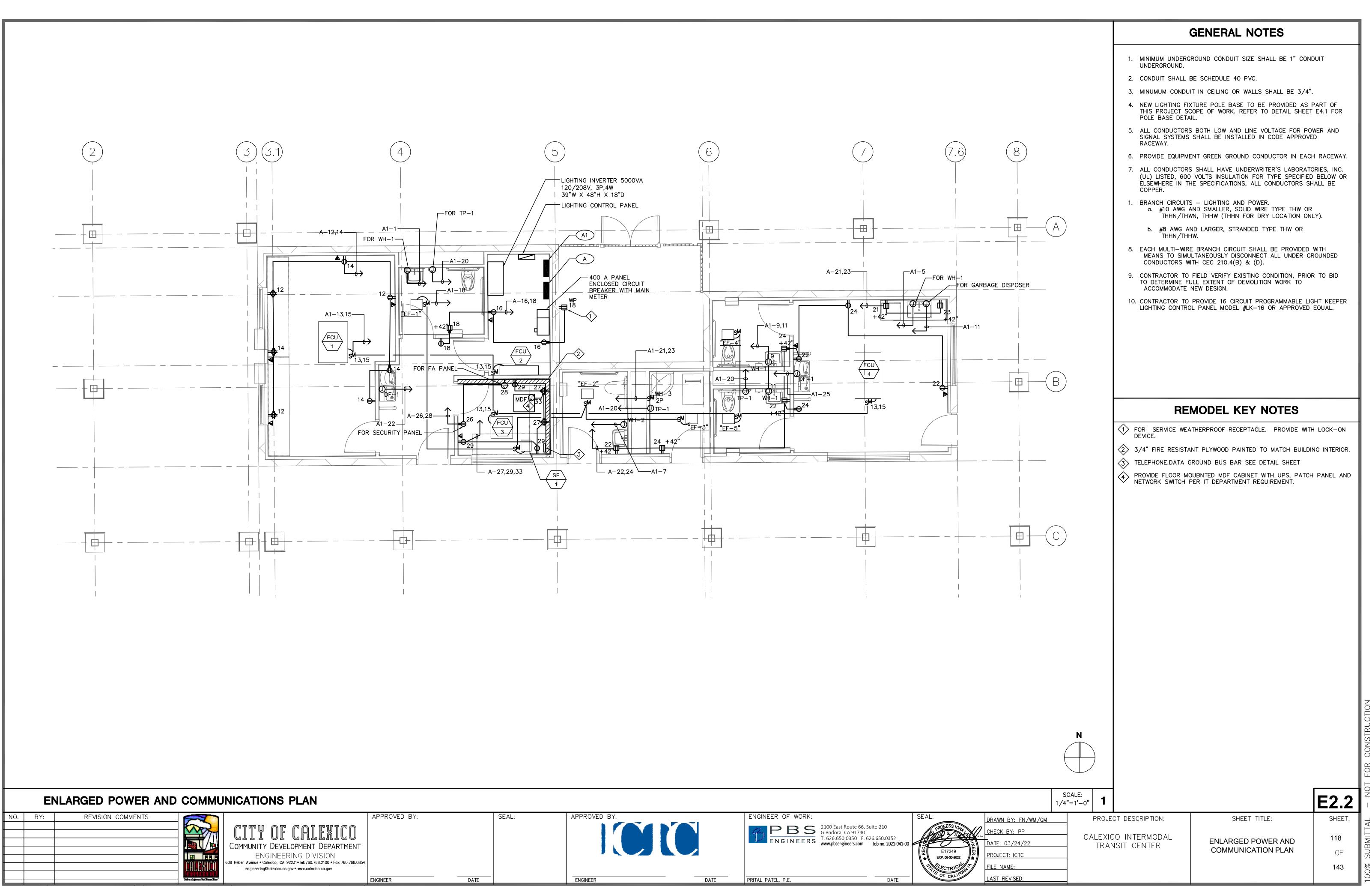


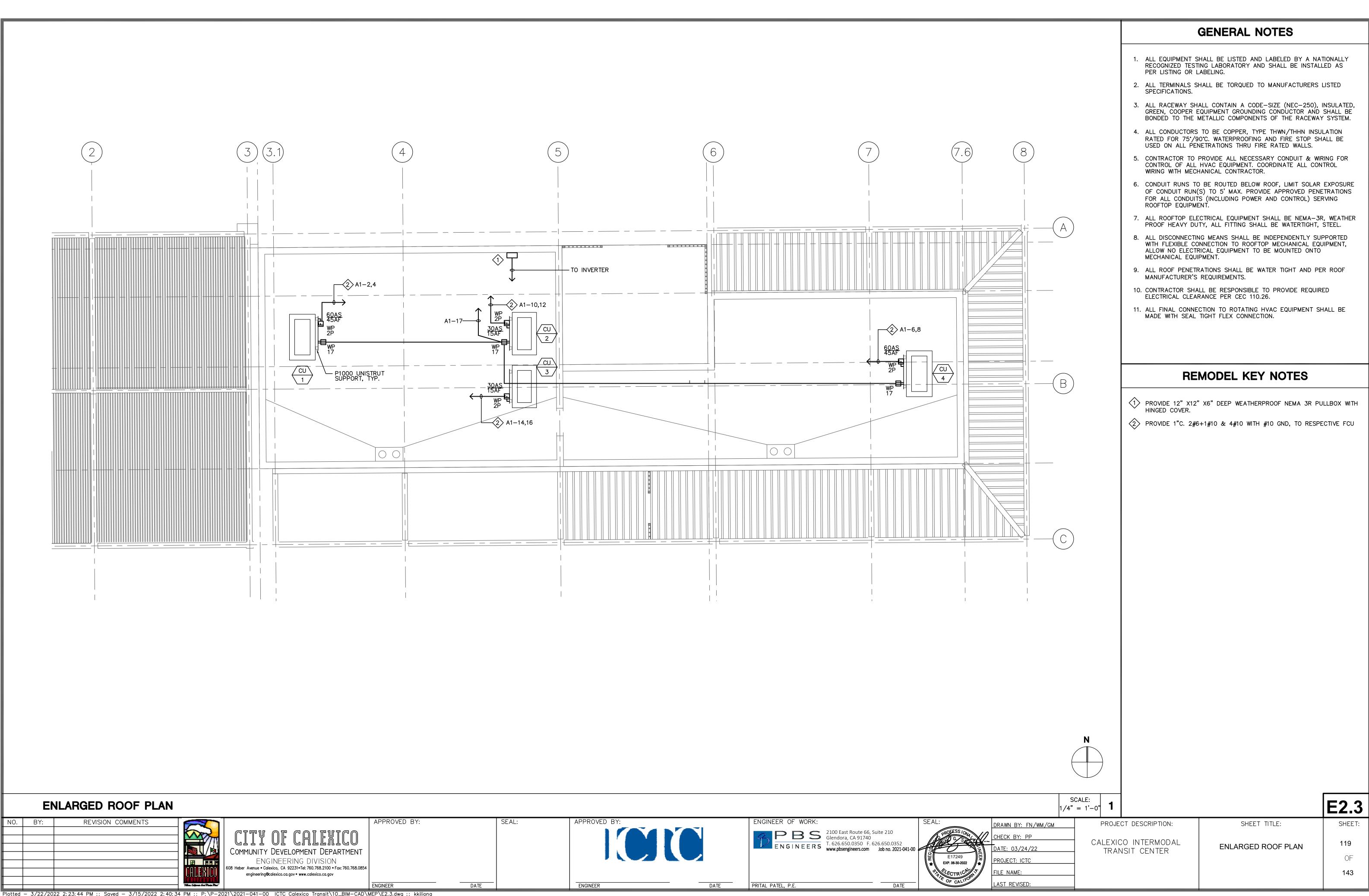
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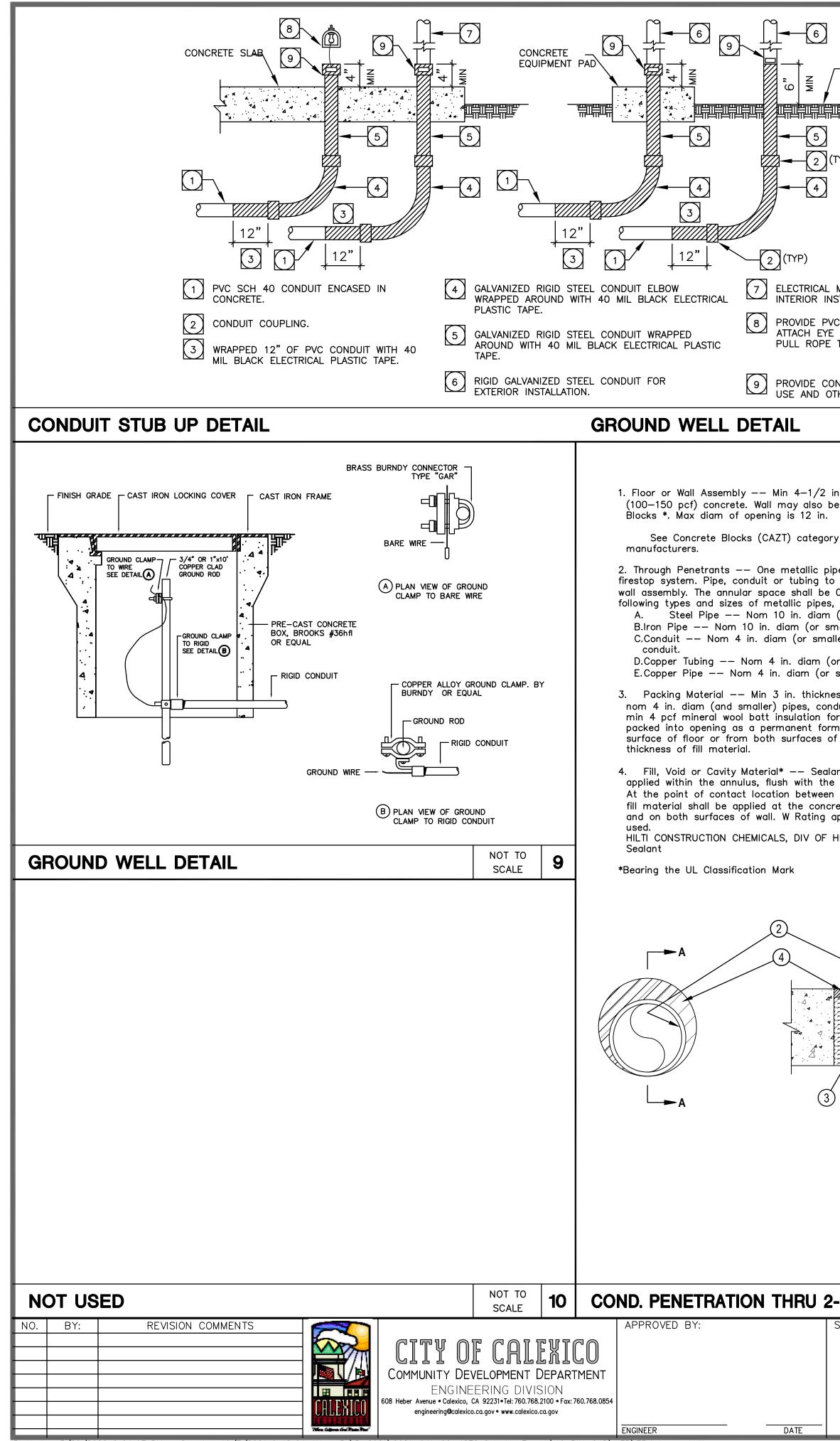




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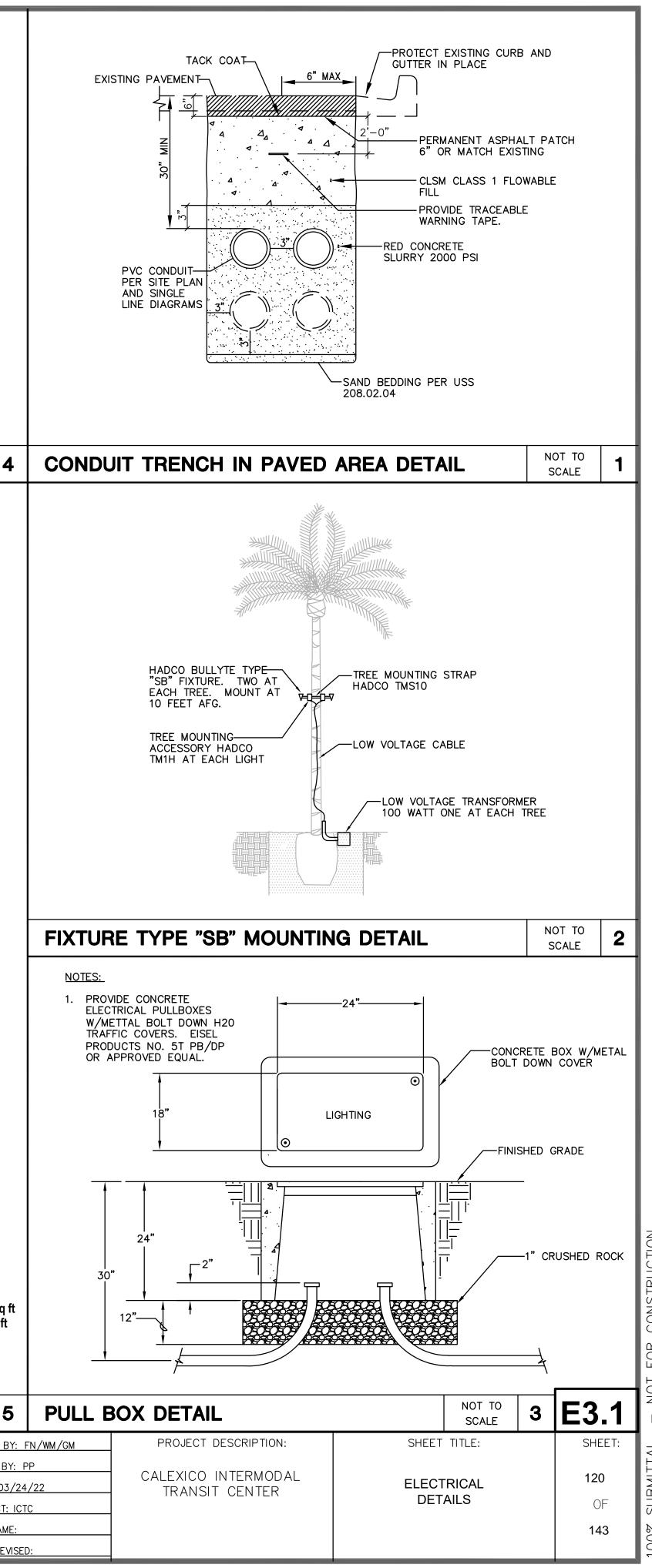






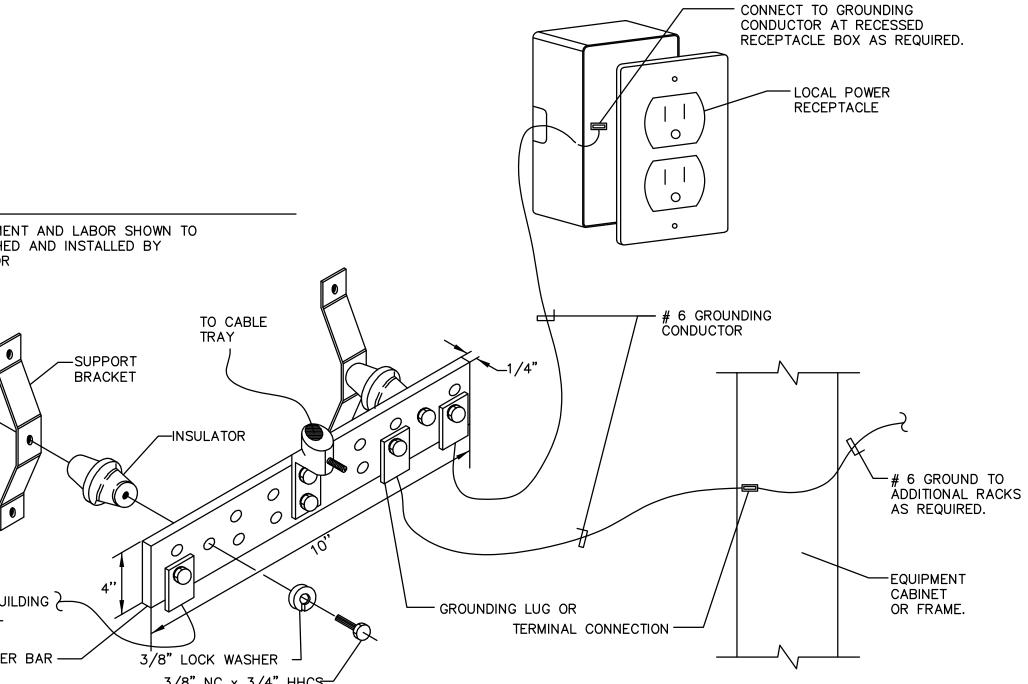
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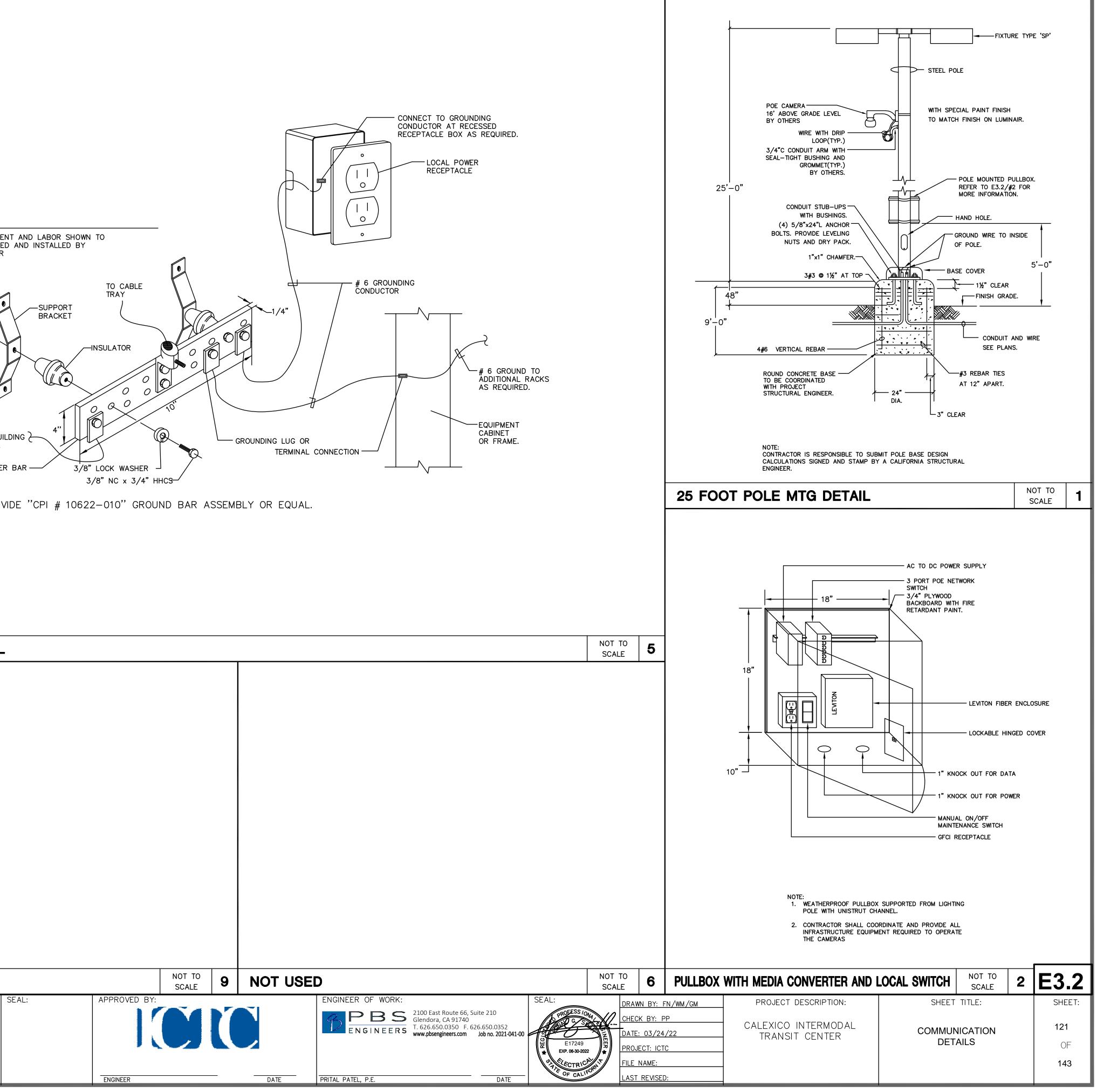
	THREADED COUPLING SET FLUSH WITH FINISHED FLOOR AND TOPPED WITH CAP
FINISHED GRADE	WHERE SPARE OR EXTENDED TO SERVING PANEL, CABINET OR CABLE TRAY
(TYP)	CONCRETE SLAB
METALLIC CONDUIT FOR ISTALLATION.	COMPACTED SUB GRADE
YC CAP OVER SPARE CONDUITS. E BOLT TO PVC CAP AND TIE TO EYE BOLT.	PVC SCHEDULE 80 ELBOW. RADIUS SWEEP SHALL BE 12X CONDUIT DIAMETER (RADIUS SHALL MEET PVC SCHEDULE 40 RED CONCRETE SLURRY ENCASEMENT 2000 PSI.
DNDUIT I.D. INDICATING CONDUIT THER END.	ČEC FOR POWER)
NOT TO SCALE 6	BELOW GRADE CONDUIT INSTALLATION
in. thick reinforced lightweight or normal weight be constructed of any UL Classified Concrete by in the Fire Resistance Directory for names of pe, conduit or tubing to be installed within the obe rigidly supported on both sides of floor or 0 in. (point contact) to max 1-1/4 in. The , conduits or tubing may be used: (or smaller) Schedule 10 (or heavier) steel pipe. maller) cast or ductile iron pipe. Iler) steel electrical metallic tubing or steel or smaller) Type L (or heavier) copper tubing. smaller) Regular (or heavier) copper pipe. ess of min 4 pcf mineral wool batt insulation for duits or tubings and a min 4 in. thickness of or pipe greater than nom 4 in. diam, firmly m. Packing material to be recessed from top f wall as required to accommodate the required ant Min 1/2 in. thickness of fill material a top surface of floor or both surfaces of wall. n pipe and concrete, a min 1/2 in. diam bead of rete/pipe interface on the top surface of floor applies only when CP601S or CP604 sealant is HILTI INC CP601S, CP604, CP606 or FS-ONE	<ol> <li>Wall Assembly — The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.</li> <li>A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.</li> <li>B. Gypsum Board* —Nom 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the Fire Resistance Directory. Max diam of opening is 5-1/2 in. The hourly F and T Ratings of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.</li> <li>Through Penetrant —One metallic tubing or conduit installed concentrically or eccentrically within the firestop system. Tube or conduit to be rigidly supported on both sides of wall assembly. The annular space between the tube or conduit and periphery of the steel sleeve shall be min 0 in. (point contact) to max 1 in. The following types and sizes of metallic tube or conduit may be used:</li> <li>A. Conduit —Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.</li> <li>Fill Void or Cavity Material* —Putty —Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location between penetrant and well, a 1/4 in. crown of fill material shall be applied at the conduit/wall interface on both sides of the assembly. Japping 1/4 in. on the conduit and 1/4 in. beyond the periphery of the sceen peniper.</li> <li>HLTI INC —CP618 Putty Stick</li> <li>*Bearing the UL Classification Mark</li> </ol>
Image: With the second seco	A 3 5 5 5 5 5 5 5 5 5 5 5 5 5
-HR CONC. FLR/WALL NOT TO SCALE 7	COND. PENETRATION THRU 1-HR FIRE RATED WALL
SEAL: APPROVED BY: I CONTOL I LITV VIALL SCALE I CONTOL I LITV VIALL SCALE I CONTOL I LITV VIALL SCALE	ENGINEER OF WORK: SEAL: DRAWN E



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NOT USED			NOT TO SCALE	10				
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NOT USED			ΝΟΤ ΤΟ	11	GROUND	RUS	RAR	
			SCALE					
			ΝΟΤ ΤΟ	40				
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		608 Heber Avenue • Calexico, C	<mark>/ELOPMENT [</mark> ERING DIVIS	<b>DEPART</b> SION .2100 • Fax: 7	MENT 760.768.0854		_	
	"How California Goal Minister Mine"				ENGINEER			DATE





CONSTRUCTION FOR Ξ

		GENERAL NOTES		
ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, THIS CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS,		FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL NOT BE MORE THAN 5 FEET IN LENGTH PER SECTION 603.4.1 CMC.	13.	INSUL/ STAND (E.E.S.
SIZES, AND CLEARANCES, AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES	)	THE SIZES, WEIGHTS AND CAPACITIES OF ALL EQUIPMENT SCHEDULES ON THE DRAWING HAVE BEEN CAREFULLY COMPUTED. SHOULD EQUAL ITEMS BY DIFFERENT MANUFACTURERS BE SUBMITTED FOR APPROVAL,	14.	DOORS REQUI
CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR		ALL SUCH SUBMITTALS SHALL INCLUDE 1/4 INCH SCALE SHOP DRAWINGS SHOWING METHOD OF INSTALLATION. PROVIDE LOAD RATINGS AND SEISMIC CALCULATIONS AS APPROVED BY A REGISTERED STRUCTURAL ENGINEER WITH EACH SUBMITTAL.	15.	ALL PI WITH T TITLE
REPLACEMENT SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BLDG.	8.	AND INCORPORATED ON A READILY ACCESSIBLE LABEL, WHICH MAY	16.	ALL H' PER S
DUCT CONSTRUCTION, INSTALLATION & INSULATION SHALL COMPLY WITH THE 2019 EDITION OF THE CALIFORNIA MECHANICAL CODE, CHAPTER-6, AND SMACNA 2005 THIRD EDITION.		BE LIMITED TO IDENTIFYING BY TITLE AND/OR PUBLICATION NUMBER THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF PRODUCT. ONE COPY OF THIS INFORMATION SHALL BE FURNISHED BY THE CONTRACTOR TO THE OWNER.	17.	ALL H' REQUIF TITLE
ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH "SMACNA" GUIDELINES AS FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING SYSTEMS. WHERE	9.	HVAC SYSTEM SHALL BE ISOLATED AND PROTECTED IN PLACE DURING CONSTRUCTION.	18.	CONDE ABOVE EQUIPN
BRACING DETAILS ARE NOT SHOWN ON DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE TO THE APPROVAL OF THE ARCHITECT, THE STRUCTURAL ENGINEER AND OWNER. A COPY	10.	ROOF LADDER ACCESS SHALL COMPLY WITH SECTION 304 CMC.	19.	•••==••••
OF THE GUIDELINES PUBLISHED BY "SMACNA" AND APPROVED BY OWNER SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON	11.	PROVIDE SMOKE DETECTORS IN MAIN SUPPLY AIR DUCTS OF MOVING SYSTEMS EXCEEDING 2000 CFM PER SECTION 608.0 CMC.		TO THI PARAL MAINT/
THE JOB AT ALL TIME. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER.	12.	ALL ENVELOPE AND MECHANICAL CERTIFICATE OF ACCEPTANCE FORMS AND ALL RELATED ACCEPTANCE DOCUMENTS SHALL BE SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THESE FORMS ARE REVIEWED AND APPROVED.	20.	ANY M ELEMEI AND F
2019 ENERGY EF	FI	CIENCY STANDARDS: MANDATORY MEA	SU	RES

## EQUIPMENT AND SYSTEMS EFFICIENCY ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY STANDARDS MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED TO THE ENERGY COMMISSION, AS SPECIFIED IN THOSE REGULATIONS, THAT THE APPLIANCE COMPLIES WITH THE APPLICABLE STANDARD FOR THAT APPLIANCE. INCLUDED ARE ROOM AIR CONDITIONERS. CENTRAL AIR CONDITIONING HEAT PUMPS (REGARDLESS OF CAPACITY, EXCEPT THAT REQUIREMENTS FOR CENTRAL AIR CONDITIONING HEAT PUMPS WITH COOLING CAPACITY OF 135,000 BTU/HR OR MORE APPLY TO HEATING PERFORMANCE BUT NOT COOLING PERFORMANCE), OTHER CENTRAL AIR CONDITIONERS WITH A COOLING CAPACITY LESS THAN 135,000 BTU/HR, FAN TYPE CENTRAL FURNACES WITH INPUT RATE LESS THAN 400,000 BTU/HR, BOILERS WALL FURNACES, FLOOR FURNACES, ROOM HEATERS, UNIT HEATERS, AND DUCT FURNACES SHALL HAVE BEEN CERTIFIED TO THE ENERGY COMMISSION BY ITS MANUFACTURER TO COMPLY WITH THE APPLIANCE EFFICIENCY STANDARDS.

- . THE FOLLOWING SPACE CONDITIONING EQUIPMENT MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL APPLICABLE EFFICIENCY REQUIREMENTS LISTED IN 112 OF THE ENERGY EFFICIENCY STANDARDS: ALL AIR CONDITIONERS, HEAT PUMPS AND CONDENSING UNITS > 135,000 BTU/HR; ALL WATER CHILLERS; ALL GAS-FIRED BOILERS > 300,000 BTU/HR; ALL OIL-FIRED BOILERS > 225,000 BTU/HR; AND ALL WARM AIR FURNACES AND COMBINATION WARM AIR FURNACES/AIR CONDITIONING UNITS > 225,000 BTU/HR. FAN TYPE CENTRAL FURNACES SHALL NOT HAVE A PILOT LIGHT.
- . PIPING, EXCEPT THOSE CONVEYING FLUIDS AT TEMPERATURES BETWEEN 60F AND 105F, OR WITHIN HVAC EQUIPMENT, SHALL BE INSULATED IN ACCORDANCE WITH STANDARDS 123.
- AIR HANDLING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED, SEALED, AND INSULATED AS PROVIDED IN CHAPTER 10 OF THE UNIFORM MECHANICAL CODE. DUCTWORK SHALL BE INSULATED AND INSULATION SHALL BE PROTECTED IN ACCORDANCE WITH STANDARDS 124.
- CONTROLS
- THERMOSTATS SHALL HAVE NUMERIC SETPOINTS IN F.
- THERMOSTATS SHALL HAVE ADJUSTABLE SETPOINT STOPS ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.

- <u>VENTILATION</u> CONTROLS SHALL BE PROVIDED TO ALLOW OUTSIDE AIR DAMPERS OR DEVICES TO BE OPERATED AT THE VENTILATION RATES AS SPECIFIED IN THESE PLANS.
- 2. GRAVITY OR AUTOMATIC DAMPERS INTERLOCKED AND CLOSED ON FAN SHUTDOWN SHALL BE PROVIDED ON THE OUTSIDE AIR INTAKES AND DISCHARGES OF ALL SPACE CONDITIONING AND EXHAUST SYSTEMS.
- 3. ALL GRAVITY VENTILATING SYSTEMS SHALL BE PROVIDED WITH AUTOMATIC OR READILY ACCESSIBLE MANUALLY OPERATED DAMPERS IN ALL OPENINGS TO THE OUTSIDE, EXCEPT FOR COMBUSTION AIR OPENINGS.

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- 4. IF APPLICABLE, DEMAND CONTROL VENTILATION DEVICES APPROVED BY THE ENERGY COMMISSION SHALL BE PROVIDED FOR HVAC SYSTEMS SERVING ASSEMBLY AREAS, CONCENTRATED USE (WITHOUT FIXED SEATS)" OR "AUCTION ROOMS", AS IDENTIFIED IN CHAPTER 10 OF THE UBC, IF SUCH AREAS ARE SERVED BY SYSTEMS WITH DESIGN OUTDOOR CAPACITIES EQUAL TO OR EXCEEDING 3,000 CFM. THE DEVICE SHALL INCLUDE A SENSOR LOCATED IN THE SPACE.
- 5. IF APPLICABLE, DEMAND CONTROL VENTILATION DEVICES SHALL ALLOW THE RATE OF OUTDOOR AIR TO BE REDUCED TO 0.15 CFM PER SQUARE FOOT OF CONDITIONED AREA, IF THE DEMAND CONTROL VENTILATION DEVICE INDICATES THAT THE SPACE CONDITIONS ARE ACCEPTABLE. IF THE DEVICE IS A CARBON-DIOXIDE SENSOR, IT SHALL LIMIT THE CARBON DIOXIDE LEVEL TO NO MORE THAN 800 PPM WHILE THE SPACE IS OCCUPIED.
- 6. DESIGNATED OUTDOOR SMOKING AREA SHALL BE AT LEAST 25 FEET FROM AN OUTDOOR AIR INTAKE OR OPERABLE WINDOWS.
- 7. THE BUILDING SHALL MEET OR EXCEED THE PROVISIONS FOR MECHANICAL VENTILATION OF CHAPTER 4 OF THE CALIFORNIA MECHANICAL CODE.
- 8. IF APPLICABLE, BUILDING THAT USE DEMAND CONTROL VENTILATION SHALL HAVE CO2 SENSORS AND VENTILATION CONTROLS INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2019 EDITION OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, SECTION 121(C).
- 9. THE HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS.

# **CALIFORNIA GREEN BUILDINGS STANDARDS CODE 2019**

IN NEW MECHANICAL SYSTEMS, PROVIDE AIR FILTRATION MEDIA PROVIDE CO2 SENSORS FOR DEMAND CONTROL VENTILATION. 6. 10. PROVIDE SEE PROJECT SPECIFICATION SECTION 23 09 00 FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY PROJEC<sup>®</sup> THAT PROVIDES AT LEAST MERV 13. "INSTRUMENTATION AND CONTROLS FOR HVAC" AS WELL AS ADJUSTI CONTROLS AND WIRING DIAGRAMS ON PLANS FOR DETAILED "COMMIS AT THE TIME OF ROUGH INSTALLATION OR DURING STORAGE ON REQUIREMENTS RELATED TO CARBON DIOXIDE (CO2) MONITORING RELATIN THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE AND DEMAND CONTROL VENTILATION." SYSTEM HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER PROCED RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE 7. MAINTEN COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS METHODS ACCEPTABLE TO THE DEPARTMENT TO REDUCE THE OPERATED FOR NORMAL USE, THE HVAC SYSTEM AND 11. AN OPE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE COMPONENTS WILL BE TESTED, ADJUSTED AND BALANCED IN THE FIE SYSTEM. ACCORDANCE WITH ONE OF THE FOLLOWING STANDARDS. 12. PROVIDE • TABB'S CONSTRUCTION SPECIFICATIONS INSTITUTE MASTER ACCORD PROVIDE A COPY OF ALL INSPECTION VERIFICATIONS AND AS PER FORMAT (23 05 93 AND 15990) REPORTS REQUIRED BY THE DEPARTMENT. SECTION • NEBB'S STANDARDS FOR TESTING, ADJUSTMENT, AND BALANCING OF ENVIRONMENTAL SYSTEMS (7TH EDITION) PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH 13. PROVIDE AABC'S NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND AND ME COPIES OF GUARANTIES/WARRANTIES FOR EACH NEW SYSTEM. (6TH EDITION) 5.504.3. O&M INSTRUCTIONS SHALL BE CONSISTENT WITH OSHA • ASHRAE'S STANDARD 111-2008 REQUIREMENTS IN CCR, TITLE 8, SECTION 5142 AND OTHER 8. PERFORM TESTING AND ADJUSTING PROCEDURES IN 14. PROVIDE ACCORDANCE EACH SYSTEM AS DETERMINED BY THE BUILDING RELATED REGULATIONS. OUTSIDE OFFICIAL. REGULA A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW CGBSC. SYSTEMS SHALL BE COMPLETED AND PROVIDED TO THE FIELD DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND 9. INSPECTOR PRIOR TO FINAL APPROVAL. THIS REPORT SHALL BE ADJUSTING NEW HVAC SYSTEMS AND CONTROLS. 15. INDOOR SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING 24 , PA THESE SERVICES. 5.505.1.

NO.	BY:	REVISION COMMENTS			APPROVED BY:	
				CITY OF CALEXICO		
				COMMUNITY DEVELOPMENT DEPARTMENT		
				ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	l	
			76 Calina Gui Mais Rar	engineeringscalexico.ca.gov - www.calexico.ca.gov	ENGINEER	DATE

				М	ECHANICAL LEGEND
	13.	INSULATION MATERIAL SHALL MEET THE CALIFORNIA QUALITY	SYMBOL	ABBREV.	DESCRIPTION
5		STANDARD PER SECTION 110.8 ENERGY EFFICIENCY STANDARDS (E.E.S.).			SQUARE OR RECTANGULAR DUCT
- 1 -,		DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTIONS 110.6 AND 110.7 E.E.S.		AC.LN.	DUCT WITH ACOUSTIC LINER (IN ADDIT. TO WHERE SPECIFIED)
1 D		ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTIONS 120.3, 120.4, AND 120.7			ROUND DUCT
		TITLE 24 ENERGY STANDARDS AND CHAPTER 6 OF CMC.	UP (OR DN)		DUCT SLOPE DIRECTION
) 1		ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTION 110.2 AND 120.2 E.E.S.	، <u>،</u> بـرـــا بـ[ــــا		DUCT UP OR DOWN
1		ALL HVAC SYSTEMS AND APPLIANCES SHALL MEET THE REQUIREMENTS PER SECTION 110.1–110.3, 110.5, 120.1–120.4	£{};		DUCT TRANSITION
		TITLE 24 ENERGY STANDARDS.			RADIUS ELBOW (FIG. 2 <del>x</del> 2)
I		CONDENSATE AND REFRIGERANT LINE ROUTING MAY NOT PASS ABOVE ELECTRICAL EQUIPMENT OR TELECOM/SECURITY EQUIPMENT.			RECTANG/SQUARE DUCT THROAT ELBOW WITH VANES (FIG $\pm 2-2$ ) SQUARE 45' ENTRY BRANCH CONNECTION (FIG. $\pm 2-8$ )
1	9.	ALL HVAC DUCTWORK AND PIPING SHALL BE INSTALLED AS CLOSE			RECTANGULAR DUCT PARALLEL FLOW BRANCH (FIG. #2-7)
		TO THE BOTTOM OF STRUCTURAL ELEMENT ABOVE, ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURE IF REQUIRED WHILE MAINTAINING A STRAIGHT RUN.	 ₽тн ОК /ттн		THROAT SIZE ON RECTANGULAR DUCT SPLIT
IS 2	20.	ANY MECHANICAL PENETRATIONS THROUGH STRUCTURAL ELEMENTS SHALL BE COORDINATED WITH THE STRUCTURAL DESIGN			DUCT TAKE-OFF FROM BOTTOM
C		AND FIRE CODE REQUIREMENTS.			DUCT TAKE-OFF FROM TOP
				MVD FD	MANUAL VOLUME DAMPER
A:	50	RES - HVAC		MD	MOTORIZED DAMPER
	-	COMPLETION AND BALANCING		FD-SD	FIRE DAMPER & SMOKE DAMPER
	(	LL VENTILATION SYSTEMS SHALL BE DOCUMENTED PER CALIFORNIA SAFETY CODE (TITLE 8, SECTION 5142 (b) TO BE ROVIDING THE MINIMUM REQUIRED VENTILATION RATE AS		CR	CEILING REGISTER (RETURN OR EXHAUST)
	[	ETERMINED USING ONE OF THE FOLLOWING PROCEDURES:		CD CR	CEILING DIFFUSER (SUPPLY)
1	Ś	IR BALANCING: ALL SPACE CONDITIONING AND VENTILATION YSTEMS SHALL BE BALANCED TO THE QUANTITIES SPECIFIED IN HESE PLANS, IN ACCORDANCE WITH THE NATIONAL		UK	CEILING REGISTER (OUTSIDE AIR)
	E	NVIRONMENTAL BALANCING BUREAU (NEBB) PROCEDURAL TANDARDS (1983), OR ASSOCIATED AIR BALANCE COUNCIL			RETURN OR EXHAUST AIR DUCT SECTION
	(	AABC) NATIONAL STANDARDS (1989). REFER TO SPECIFICATION ECTION 23 05 93. DUTSIDE AIR CERTIFICATION: THE SYSTEM SHALL PROVIDE THE			OUTSIDE AIR DUCT SECTION
2	١	MINIMUM OUTSIDE AIR AS SHOWN ON THE MECHANICAL DRAWINGS, ND SHALL BE MEASURED AND CERTIFIED BY THE INSTALLING			SUPPLY AIR DUCT UP THRU FLOOR OR ROOF
		ICENSED C-20 MECHANICAL CONTRACTOR.			RETURN OR EXHAUST AIR DUCT UP THRU FLOOR OR ROOF
	١	OUTSIDE AIR MEASUREMENT: THE SYSTEM SHALL BE EQUIPPED WITH A CALIBRATED LOCAL OR REMOTE DEVICE CAPABLE OF	$+_2$	LVR.	DOOR LOUVER AND SQUARE FOOT AREA
	E	IEASURING THE QUANTITY OF OUTSIDE AIR ON A CONTINUOUS BASIS AND DISPLAYING THAT QUANTITY ON A READILY ACCESSIBLE DISPLAY DEVICE.	- <del>U-</del>		UNDERCUT DOOR 3/4"
4		FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW	0		SMOKE DUCT DETECTOR (BY FIRE ALARM CONTRACTOR)
	F	SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL INSPECTION. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.			STATIC PRESSURE
5	5. /	N OPERATION AND SYSTEMS MANUAL SHALL BE PROVIDED TO	Ø	DIA. CFM	ROUND (DIAMETER) CUBIC FEET OF AIR PER MINUTE
		HE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION BY COMMISSIONING AGENT.		E. OR EXH.	EXHAUST
e		ALL DUCT AND OTHER RELATED DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR		W/CLG. F.D.	WITH CEILING FIRE DAMPER
_	9 (	COOLING EQUIPMENT.		0.S.A.	OUTSIDE AIR
	E	INLESS SPECIFIED OTHERWISE, AN AIR FILTER WITH A MINIMUM FFICIENCY REPORTING VALUE (MERV) OF 13 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND			RETURN
	F	RETURN AIR PRIOR TO OCCUPANCY.		TH.	THROAT
ξ	3. F	ROCEDURE APPROVED BY THE ENERGY COMMISSION.		МСА	MINIMUM CIRCUIT AMPS
				MFA	MAXIMUM FUSE AMPS
DF	: 2	019		FLA BAS	FULL LOAD AMPERAGE BUILDING AUTOMATION SYSTEM
		PROVIDE TESTING AND ADJUSTING OF HVAC SYSTEMS.SEE	$\square$	A.D.	ACCESS DOOR
		PROJECT SPECIFICATION SECTION 23 05 93 "TESTING, ADJUSTING AND BALANCING FOR HVAC" AND SECTION 23 08 00		IBJS	IN BETWEEN JOIST SPACE
		"COMMISSIONING OF HVAC" FOR DETAILED REQUIREMENTS RELATING TO TESTING, ADJUSTING AND BALANCING OF HVAC		UTR / UTF	UP THROUGH ROOF / UP THROUGH FLOOR
		SYSTEMS, AS WELL AS RELATED TEST AND BALANCE PROCEDURES, REPORTING, EQUIPMENT OPERATION AND MAINTENANCE MANUALS, INSPECTIONS AND REPORTS."	$\frac{xx}{x}$	DTR / DTF	DOWN THROUGH ROOF / DOWN THROUGH FLOOR
1	1.	AN OPERATION AND SYSTEMS MANUAL, SHALL BE PROVIDED TO	s		REMOTE SENSOR
1	2.	THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION. PROVIDE TEMPORARY VENTILATION DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 121 CALIFORNIA ENERGY CODE AND	602		CARBON DIOXIDE SENSOR
		AS PER POLLUTION CONTROL SECTION OF 2019 CGBSC. SECTION: 5.504.1.	ŚW		ON/OFF SWITCH
1		PROVIDE COVERS AND PROTECTION ON ANY DUCT OPENINGS AND MECHANICAL EQUIPMENTS AS PER 2019 CGBSC. SECTION:		TEMP.	TEMPERATURE
		5.504.3.		TYP. FC	TYPICAL FAN COIL
1		PROVIDE AIR FILTRATION MEDIA MINIMUM OF MERV – 13 FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY FOR RECUMARY OCCUPIED AREAS OF THE RUM DINC AS PER 2010		CU	CONDENSING UNIT
		REGULARLY OCCUPIED AREAS OF THE BUILDING AS PER 2019 CGBSC. SECTION 5.504.5.3 .		SF	SUPPLY FAN
1	5.	INDOOR MOISTURE CONTROL SHALL BE IN COMPLY WITH TITLE 24 , PART2 SECTION 1203 AS PER 2019 CGBSC. SECTION			
		5.505.1.	*REFERS TO "SMAC	NA" HVAC DUCT	CONSTRUCTION STANDARDS
		SEAL: APPROVED BY:		ENGINEER OF W	ORK: SEAL: DRAWN BY:
					Service       2100 East Route 66, Suite 210         Glendora, CA 91740       T. 626.650.0350         T. 626.650.0350       F. 626.650.0352         www.pbsengineers.com       Job no. 2021-041-00         With the service       M33827         EXP. 06-30-2023       FILE         NAME:       FILE

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NO.2     MECHANICAL COMPLANCE FORMS       MO.4     MECHANICAL COMPLANCE FORMS       MO.4     MECHANICAL COMPLANCE FORMS       M.1     MECHANICAL ROOF PLAN       M2.2     MECHANICAL ROOF PLAN       M4.2     MECHANICAL ROOF PLAN       M4.3     MECHANICAL CONFINIS       M4.4     MECHANICAL CONFINIS       M4.3     MECHANICAL CONFINIS       M4.4     MECHANICAL CONFINIS       M4.3     MECHANICAL CONFINIS       M4.4     MECHANICAL CONFINIS       M4.5     MECHANICAL CONFINIS       MECHANICAL CONFINIS     SHEEDANICAL CONFINIS       MA3     MECHANICAL CONFINIS       MECHANICAL CONFINIS     SHEEDANICAL CONFINIS       M4.5     MECHANICAL CONFINIS       MECHANICAL CONFINIS     SHEEDANICAL CONFINIS       MECHANICAL CONFINIS     SHEEDANICAL CONFINIS       MAILINES     SHEEDANICAL CONFINIS       MECHANICAL CONFILING     SHEEDANICAL CONFILING       MECHANICAL CONFILING     SHEEDANICAL SONGOLOGI CONFILING       MECHANICAL CONFILIN	SHT.NO.	DESCRIPTION		
N0.3       MECHANICAL COMPLIANCE FORMS         N0.4       MECHANICAL COMPLIANCE FORMS         N1.1       MECHANICAL SCREENA         N2.2       MECHANICAL DOR FLAN         N2.3       MECHANICAL DETAILS         N4.4       MECHANICAL DETAILS         N4.3       MECHANICAL SCREENAS         N4.4       MECHANICAL SCREENAS         N4.5       MECHANICAL SCREENAS         N4.5       MECHANICAL SCREENAS         N4.5       MECHANICAL SCREENAS         N.5       MECHANICAL CODE - 2019 CALIFORMA BULDING CODE (PART 2 OF CCR TILE 24)         OF BULDING CODE - 2019 CALIFORMA BULDING CODE (PART 3 OF CCR TILE 24)         OF DURREN CODE - 2019 CALIFORMA BULDING CODE (PART 3 OF CCR TILE 24)         OF DURRENC CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 3 OF CCR TILE 24)         OF DURRENC CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 3 OF CCR TILE 24)         OF DURRENC CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 3 OF CCR TILE 24)         OF DURRENC CODE - 2019 CALIFORMA ELECTRICAL CODE (CAL FERE), CALIFORMA CODE OF RECOLLATIONS         (COR)       DURRENC CODE - 2019 CALIFORMA ELECTRICAL CORE TICE 20)         OF DURRENC CODE - 2019 CALIFORMA ELECTRICAL CODE (CAL FERE), CALIFORMA CODE OF RECOLLATIONS         (COR)       DURRENC CODE - 2019 CALIFORMA ELECTRICAL CODE (CAL FERE), CALIFORMA CODE OF RECOLLATIONS         (COR)       DURRENC C	M0.1	MECHANICAL GENERAL NOTES, LEGEND, SHEE	T INDEX AND SCOPE OF WORK	
N0.4       MECHANICAL CONFUNCE FORMS         N1.1       MECHANICAL CONFUNCE FORMS         N2.1       MECHANICAL CONFIGNA         N2.1       MECHANICAL DETAILS         N4.2       MECHANICAL DETAILS         N4.3       MECHANICAL DETAILS         N4.4       MECHANICAL DETAILS         N4.3       MECHANICAL DETAILS         N4.4       MECHANICAL CONTROLS         N5.1       MECHANICAL CONTROLS         NCCONTROLS	M0.2	MECHANICAL COMPLIANCE FORMS		
MI.1         MECHANICAL STE PLAN           M2.1         MECHANICAL CORP PLAN           M2.2         MECHANICAL CORPTAIS           M4.3         MECHANICAL CONTAILS           M4.3         MECHANICAL CONTAILS           M4.3         MECHANICAL CONTAILS           M4.3         MECHANICAL SCHEDULES           M5.1         MECHANICAL SCHEDULES           M5.1         MECHANICAL CONTAILS           MECHANICAL CONTAILS         STRUCTURE (CONTAILS)           MECHANICAL CONTAILS         CONTAINS (CONTAILS)           MECHANICAL CONTAILS         CONTROLOGIE (CONTAILS)         CONTROLOGIE (CONTAILS)           MECHANICAL CONTAILS         CONTROLOGIE (CONTAILS) <thcontrologie (contails)<="" th="">         MECHANICAL CONTAILS)<td>M0.3</td><td>MECHANICAL COMPLIANCE FORMS</td><td></td><td></td></thcontrologie>	M0.3	MECHANICAL COMPLIANCE FORMS		
M21       MEDIANICAL PLAN         M22       MEDIANICAL DOT PLAN         M41       MEDIANICAL DOT PLAN         M43       MEDIANICAL DOT NULL         M44       MEDIANICAL DOT NULL         M43       MEDIANICAL DOT NULL         M44       MEDIANICAL CONTROLS         M45       MEDIANICAL CONTROLS         M44       MEDIANICAL CONTROLS         M45       MEDIANICAL CONTROLS         M45       MEDIANICAL CONTROLS         M45       MEDIANICAL CONTROLS         M45       MEDIANICAL CONTROLS         MEDIANICAL CODE - 2019 CALIFORMA BULDANG CODE (PART 3 OF COR TITLE 24)         MEDIANICAL CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         MEDIANICAL CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         MEDIANICAL CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 5 OF COR TITLE 24)         MEDIANICAL CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 5 OF COR TITLE 24)         MEDIANICAL CODE - 2019 CALIFORMA ELECTRICAL CODE (PART 5 OF COR TITLE 24)         MEDIANICAL FILE PROTECTION ASSOCIATION (PERA) STANDARDS         MEDIANICAL FILE PROTECTION ASSOCIATION (PERA) STANDARDS         MEDIANICAL CONTACL SERVICION         MEDIANICAL COL SECRIPTION         MEDIANICAL CONTACL SECRIPTION         MEDIANICAL SECRET TILES				
M42       MECHANICAL ROOF PLAN         M41       MECHANICAL DETALS         M43       MECHANICAL DETALS         M43       MECHANICAL BOTALS         M43       MECHANICAL SCHEDULES         M51       MECHANICAL CODE - 2019 CALFORMA MECHANICAL CODE (PART 4 OF COR TITLE 24)         0       MECHANICAL CODE - 2019 CALFORMA MECHANICAL CODE (PART 5 OF COR TITLE 24)         0       DEDETING CODE - 2019 CALFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0       DIRECTIONES CODE - 2019 CALFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0       DIRECTIONES CONFORMA DURANG SCOPE (CAL PRES), CALFORNIA CODE OF REGULATIONS (COR PART 5 OF COR TITLE 24)         0       DIRECTIONES CONFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0       DIRECTIONES CONFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0       PROJECTIONES CONFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0       DIRECTIONES CONFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0       DIRECTIONES CONFORMA PLUABING CODE (PART 5 OF COR TITLE 24)         0 <td></td> <td></td> <td></td> <td></td>				
H4.1       MECHANICAL DETAILS         H4.3       MECHANICAL DETAILS         H4.3       MECHANICAL DETAILS         H4.3       MECHANICAL SCHEDULES         H5.1       MECHANICAL CODE - 2019 CALIFORMA BUELDING CODE (PART 2 OF COR TITLE 24)         H5.1       MECHANICAL CODE - 2019 CALIFORMA BUELDING CODE (PART 3 OF COR TITLE 24)         H5.1       MECHANICAL CODE - 2019 CALIFORMA A BUELDING CODE (PART 3 OF COR TITLE 24)         H5.1       MERGY CODE - 2019 CALIFORMA A ENDANCE CODE (PART 3 OF COR TITLE 24)         H5.2       MERGY CODE - 2019 CALIFORMA A ENDANCE CODE (PART 3 OF COR TITLE 24)         H5.2       MERGY CODE - 2019 CALIFORMA A ENDANCE CODE (PART 3 OF COR TITLE 24)         H5.2       MERGY CODE - 2019 CALIFORMA A ENDANCE CODE (CAL GREEN), CALFORNIA CODE OF REGULATIONS (CAR) TITLE 24 PART 11.         H5.3       MECHANICAL END AR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (BARCHAR)         H5.3       MECHANICAL END AR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (BARCHAR)         H5.3       MEDIANONAL ENDANCE AND ARE CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (BARCHAR)         H5.3       MEDIANONAL ENDANCE AND				
HA2     MECHANICAL DETAILS     MECHANICAL DETAILS     MECHANICAL CONTROLS     MECHANICAL SCHEDULES      APPLICABLE CODES & STANDARDS      THE APPLICABLE CODES & STANDARDS      THE APPLICABLE CODES FOR THE PROJECT INCLUDE:     O     BULDING CODE – 2019 CALFORNA BULDING CODE (PART 2 OF COR THE 24)     D     BULDING CODE – 2019 CALFORNA BULDING CODE (PART 3 OF COR THE 24)     D     BULROY CODE – 2019 CALFORNA BULHONG CODE (PART 5 OF COR THE 24)     D     BURROY CODE – 2019 CALFORNA BULHONG CODE (PART 5 OF COR THE 24)     D     BURROY CODE – 2019 CALFORNA BULHONG CODE (PART 5 OF COR THE 24)     D     BURROY CODE – 2019 CALFORNA BURROY CODE (PART 5 OF COR THE 24)     D     BURROY CODE – 2019 CALFORNA FUNCIONE (CALFORNA CODE (PART 5 OF COR THE 24)     D     SUBJECTION ASSOCIATION (NFRA) STANDARDS     O     SPIET NET AL AND AR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) DESIGN COUD     MORATINE FEE PROTECTION ASSOCIATION (NFRA) STANDARDS     SHET NETAL AND AR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) DESIGN COUD     MORATINE HELPOR THE PROTECTION ASSOCIATION (SMACNA) DESIGN COUDE     MORATINE HELPON THE PROTECTION ASSOCIATION (SMACNA) DESIGN COUDE     MORATINE HELPON THE PROTECTION ASSOCIATION (SMACNA) DESIGN COUDE     MORATINE HELPON THE PROTECTION ASSOCI				
W5.1       MECHANICAL SCHEDULES         APPLICABLE CODES & STANDARDS         1. THE APPLICABLE CODES FOR THE PROJECT INCLUDE:         0. BULDING CODE - 2019 CALIFORNIA BULDING CODE (PART 2 OF COR TITLE 24)         0. MECHANICAL CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         0. BULDING CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         0. BULDING CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         0. BULDING CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         0. BULGING CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         0. BULGING CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         1. THE CODE - 2019 CALIFORNIA ELECTRICAL CODE (PART 3 OF COR TITLE 24)         1. THE CODE - 2019 CALIFORNIA FINE CODE (CAL GREEN), CALIFORNIA CODE OF RECULATIONS (CRR) TITLE 24 PART 11.         1. NATIONAL FIRE PROTECTION ASSOCIATION (NPPA) STANDARDS         1. STALE PARTICIPAL ON DAR CONDITIONING CONTRACTORS INTIONAL ASSOCIATION (SMACNA) DESIGN CUDIT         1. BULDING CONTRACTORS MOUNTING HEIGHT DETAIL         1. THERMOSTATI/SENSOR MOUNTING HEIGHT DETAIL         1. THERMOSTATI/SENSOR MOUNTING HEIGHT DETAIL         1. THERMOSTATI/SENSOR MOUNTING HEIGHT DETAIL         1. MARCIN         1. MARCIN         2. MARCIN         2. MARCIN         2. MARCIN         3. MARCIN				
APPLICABLE CODES & STANDARDS      APPLICABLE CODES & STANDARDS      THE APPLICABLE CODES FOR THE PROJECT INCLUDE:     BULDING CODE - 2019 CALFORNA BUCHANGLAL CODE (PART 2 OF COR TILE 24)     BULDING CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ELECTRICAL CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ENERGY CODE (PART 5 OF COR TILE 24)     PULMENG CODE - 2019 CALFORNA ENERGY CODE (PART 5 OF COR TILE 24)     PULMENT SUBJECTIVE STANDARDS CODE (CAL GREEN), CALFORNIA CODE OF REGULATIONS     SHEET METAL AND AR CONDITIONING CONTRACTORS INTIDIAL ASSOCIATION (SMACNA) DESIGN GUDI     VAN 31 V 10 V 10	M4.3	MECHANICAL CONTROLS		
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	ve Calexico 92231	ands tost 4 sibd10v						Inn	mut File Nemer	ICTC Machanical T24 VD						Inn	nut File Nemer	TC Machanical T24 VD 00	latest Loads test 1 sight 104				
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ENERAL INFORMATION				10				C1.	1. COMPLIANCE RES	ULTS FOR PERFORMANCE	COMPONENTS	(Annual TDV Energy Use,	(Btu/ft ²-yr)			D. I	EXCEPTIONAL CONDITION	IONS					
Project Location (city)	Calexico	8.	Standards Version		Compliance	e2019						COMP	LIES					performance compliance sc	ope options. The building must	t show compliance	e with all other applic	cable compliance scope of	ptions (performance or prescriptive
CA Zip Code	92231	500	Compliance Software (		EnergyPro 8	2012				Energy Component		Standard Des		Proposed Design (TDV)	Compliance Man		cupying.	nd aged thermal emittance	must he listed in the Cool Roof	Rating Council da	atabase of certified on	roducts. For projects who	re initial reflectance is used, the ini
Climate Zone	15	10.00	Weather File			747185_CZ2010	0.epw	Spa	pace Heating	chergy component		Standard Des	19.90	23					alculated by the software progr				re maarreneeunee is used, me m
Total Conditioned Floor Area in So			Building Orientation (d		(N) 0 deg				pace Cooling				396.77	475		-78.94 The	e building does not include	e service water heating. Ver	ify that service water heating is	is not required and	d is not included in the	ne design.	
Total Unconditioned Floor Area	-021.(%)		Permitted Scope of Wo			opeAndMechani	cal		door Fans				321.35	139	300 <b></b>								escriptive Secondary Daylit Control ing Controls in Secondary Daylit Zo
Total # of Stories (Habitable Abov Total # of dwelling units	ove Grade)		Building Type(s) Gas Type	2	Nonresiden NaturalGas			Hea	eat Rejection						-	req	quired.	CRIPTIVE COMPLIANCE doci	imentation (form NRCC-LTI-02-	-E) for the require	ments of section 140.	.6(d) Automatic Daylight	ing controls in Secondary Daylit 20
Total # of dwenning units	0	14	das type	1	NaturalGas	5		Pun	umps & Misc.										e served by mechanical cooling	g systems, but the	cooling systems were	e not included in the sim	ulation model. A cooling system ha
ROJECT SUMMARY	9		80. 171					Dor	omestic Hot Water				27.50	27	50		odeled for both the propose						
	h building components are	included in the performance calculation	. If indicated as not inclu	ded, the project	t must show	compliance pre	escriptively if wit	thin	door Lighting				40.47	40	47	The	e user model includes spac	ice(s) without sufficient cool	ling equipment. Cooling equipn	ment has been add	ded to the model to n	neet cooling loads.	
mit application.				0.11.1		C		EN	NERGY STAND	ARDS COMPLIANC	E TOTAL		805.99	706.	7 99.2	22 (12.3%)	HERS VERIFICATION						
	ling Components Complyir Performance		formance The follow			Complying Pres		1 No	Notes: The number in	n parenthesis following the	e Compliance Ma	argin in column 4. represer	ts the Percent Better t	an Standard.		This	is Section Does Not Apply						
		I Process: Commercial	compliant	and should be	e documente	ed on the NRCC f	form listed if wit	thin the															
elope	Not Included Kitchens	5 🛛	t Included scope of t NRCC-PR		cation (i.e. co	ompliance will n	not be shown on			OVE CODE' QUALIFICATION	NS <sup>1</sup>		<u> </u>			F. A	ADDITIONAL REMARKS	5					
	Performance			ting (Unconditi	tioned)§140.	6 NF	RCC-LTI -E is req		This project is pursuin					project is pursuing CalGreer			is Section Does Not Apply						
chanical	Not Included Covered	Process: Computer Rooms	t Included Outdoor I		lioned/j140.	1005	RCC-LTO-E is req	nuired	0000	scellaneous Energy Compone	ent	Standard Des		Proposed Design (TDV)	Compliance Man		ENVELOPE GENERAL IN	NEORMATION					
	Performance		formance Sign Light	-		20.07	RCC -LTS-E is req	quired	eceptacle				106.78	106	2	0.0	1		2		3	r	Δ
mestic Hot Water	Not Included Covered	Process: Laboratory Exhaust	t Included		Mandator	ry Measures		Pro	rocess				340.83	340	85	0.0	Dpaque Surfaces & O	Orientation	Z Total Gross Surface Area (ft	-2)	3 Total Fenestratio	on Area (ft²)	4 Window to Wall Ratio (%
			Electrical	ower systems, o	commissioni	ning and solar re	ady requiremen	nts are	ther Ltg rocess Motors				**				opaque surfaces & O	North-Facing <sup>1</sup>	iotar Gross Surface Area (It	653 ft <sup>2</sup>	iotai refiestratio	0.62	window to wai katio (%
ting (Indoor Conditioned)	Performance					d on the NRCC for the NRCC-PRF-E				JS MISCELLANEOUS COMPO	NENTS		1,253.60	1,154	38	99.2 (7.9%)		East-Facing <sup>2</sup>		341 ft <sup>2</sup>		24 ft <sup>2</sup>	
	Not Included		. ,	ower Distributio			RCC-ELC-E is req					ns OTHER THAN Title 24 Pa		1,134				South-Facing <sup>3</sup>		644 ft <sup>2</sup>		56 ft <sup>2</sup>	
	Performance			ning S120.8			RCC-CXR-E is req			to accument compilan		Contract the true 24 Pu						West-Facing <sup>4</sup>		256 ft <sup>2</sup>		48 ft <sup>2</sup>	
r Thermal Water Heating	Not Included		Solar Rea				RCC-SRA-E is req									$\vdash$		Total		1,894 ft <sup>2</sup>		128 ft <sup>2</sup>	
																Roc	of			927 ft <sup>2</sup>		0 ft <sup>2</sup>	
																				227.10		0.0	
lding Energy Efficiency Standards-	- 2019 Nonresidential Con	npliance Report Version: NF	C-PRF-01-E-04172020-6	04	Report	t Generated at:	2021-06-18 13:	:29:24 CA B	Building Energy Efficie	ency Standards- 2019 Nonresi	idential Complianc	ce Report Version:	NRCC-PRF-01-E-0417202(	-6104 Rep	ort Generated at: 2021-06-	<sup>3</sup> S a	outh-Facing is oriented t		e east, including 45°00'00" : rue south, including 45°00'0 ntial Compliance Re	00" west of south		ng 45°00'00" east of so	uth (SE).
Building Energy Efficiency Standards-	- 2019 Nonresidential Con	npliance Report Version: NF	C-PRF-01-E-04172020-6	04	Report	t Generated at:	2021-06-18 13:	:29:24 CA B	Building Energy Efficie	ency Standards- 2019 Nonresi	idential Complianc	ce Report Version:	NRCC-PRF-01-E-04172020	-6104 Reg	ort Generated at: 2021-06-	<sup>3</sup> S a	outh-Facing is oriented t	to within 45 degrees of t	rue south, including 45°00'0	00" west of south	h (SW), but excludin	ng 45°00'00" east of so	uth (SE).
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oject Name: Nonresidentia oject Address: 608 Heber Av put File Name: ICTC Mechani ENVELOPE GENERAL INFORMATI West-Facing is oriented to within 4. FENESTRATION ASSEMBLY SUMM 1. FENESTRATION ASSEMBLY SUMM 1. Fenestration Assembly Name / Tag or I.D. Residential Cooling ewly installed fenestration shall have a certified N erification. Site-built fenestration values are calculated atus: N - New, A – Altered, E – Existing ENVELOPE DETAILS §120.7 & §144 OPAQUE SURFACE ASSEMBLY SUMM 1 Surface Name 8 NW CMUSolid grouted Wa7 copy of R-30 Roof Attic13	ial Building we Calexico 92231 nical T24 - KP_8.0_latest_L FION 45 degrees of true west, IMARY §110.6 2. Fenestration Type / Pro Frame Type VerticalFenestra FixedWindov N/A VFRC Label Certificate or use the lculated per Nonresidential Appen 40.3 MARY 2 Surface Type ExteriorWall Roof	Loads_test 4.cibd19x , including 45°00'00" north of due , including 45°00'00" north of due , including 45°00'00" north of due 3. Certification Method tion NFRC Rated CEC default tables found in Table 110.6-A and Ta dix NA6 and are used in the analysis. CEC default tables found in Table 110.6-A and Ta dix NA6 and are used in the analysis. Concrete - Part Grouted and Em Ib/ft3 - 8 in. Asphalt shingles - 1/4 in Vapor permeable felt - 1/8 Plywood - 1/2 in. Air - Ceiling - 3/4 in. Metal framed roof, 16in. OC, 9 R-30 Gypsum Board - 1/2 in. Slab Type = UnheatedSlabOn Insulation Orientation = No	NRCC-PRF-01-E Calculation Date/Time: est (NW), but excludin 4. Assembly Me Manufactur 110.6-B. Center of Glass (COG Manufactur 110.6-B. Center of Glass (COG Area (ft <sup>2</sup> ) y - 125 1894 h. y - 125 1894 h. y - 125 1894	Page 4 of 15 13:27, Fri, Jun 45°00'00'' so a 45°00'00'' so hod A d d values are for the gla 5 Framing R NA NA Metal	5. Area ft <sup>2</sup> 128 plass-only, deterror 6 Cavity R-Value 0 30	st (SW). 6. 7 Overall Ove U-factor SH 0.36 0. mined by the manufe 7 Continuous U- R-Value U- NA 1 NA 1	7. 8. erall Overall HGC VT .25 0.50 facturer, and are sho facturer, and are sho U-Factor / F-Factor U-Factor: 0.379 U-Factor: 0.071	Pro Pro Pro Pro Input 9. 1. 13. 9. 1. 13. 9. 1. 13. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	roject Name: roject Address: put File Name: . OPAQUE DOOR SU Ass M CRRC ROOFING PRO . HVAC SYSTEM SUM 1. Dry System Equipu 1 1 Equipment Name FC-1 Ticketing Booth1 FC-2 FC-3	Nonresidential Building 608 Heber Ave Calexico 92: ICTC Mechanical T24 - KP_8 IMMARY 1 sembly Name Metal Door21 DUCT SUMMARY S140.3 1 Assembly Name copy of R-30 Roof Attic13 IMARY §110.1 & §110.2 ment (furnaces, air handli 2 Equipment Type SZHP (Split3Phase) Exhaust (NA) SZAC (CRAC) SZHP (Split3Phase)	231 8.0_latest_Loads_1  8.0_latest_Loads_1  ing units, heat p Dry System 3 Qty Total He (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	test 4.cibd19x	NRCC-PRF-01-E Calculation Date/Tir 2 erall U-factor 0.700 3 Aged Solar Reflecta 0.63 izer info included below i 6 Heating purce Supp Heat Outpu	Page 5 of 15 ne: 13:27, Fri, Jun 18, 202 13:27, Fri, Jun 18, 202 4 13:27, Fri, Jun 18, 202 14: 14: 14: 14: 14: 14: 14: 14:	1         3         Status1         N         Status1         N         SRI         Not Provi         SRI         Not Provi         SE	S-18 13:29:24 CA B S-18 13:29:24 CA B Pro. Pro. Pro. Pro. Pro. Pro. Pro. Pro.	South-Facing is oriented to         Building Energy Efficiency S         oject Name:       Noto         oject Address:       608         put File Name:       ICTO         2. ECONOMIZER & FAN S         1       System         Jame or Item Tag       Package         FC-1       Si         FC-2       Si         FC-3       Si         FC-4       Si         S. EXHAUST FAN SUMMA       1         Security Room28       Breakroom33         Breakroom33       Stystem ID         System Name       1	to within 45 degrees of the Standards- 2019 Nonreside onresidential Building 28 Heber Ave Calexico 92233 TC Mechanical T24 - KP_8.0 SYSTEMS SUMMARY §14 2 3 1 sem Type Design OA 1 ged, DOAS, CFM 2 ged, DOAS, CFM	rue south, including 45°00'0 ntial Compliance Re  L Latest_Loads_test 4.cibd19x 4 5 6 Supply Fan CFM BHP Watts 1080 0.250 218.0 760 0.050 43.6 760 0.050 43.6 1080 0.166 144.8 C C C C C C C C C C C C C C C C C C C	200" west of south eport Version: NRC port Version: NRC 7 S Control ConstantVolu ConstantVolu ConstantVolu 3 ConstantVolu 3 ConstantVolu 4 Evaporativ	A INRCC-PRF-01-E Calculation Date/Tin Calculation Date/Tin B CFM Ume NA Ume NA	Page 6 of 15         me:       13:27, Fri, Jun 18,         9       10         Return Fan         BHP       Watts         NA       NA         S       6         otor BHP       Motor V         0.100       87.2         0.100       87.2         Heat Recovery       1	uth (SE).         Report Generated at: 2021-06-18 13         2021       Interview of the second se
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Certification Method tion NFRC Rated CEC default tables found in Table 110.6-A and Ta dix NA6 and are used in the analysis. CEC default tables found in Table 110.6-A and Ta dix NA6 and are used in the analysis. Concrete - Part Grouted and Em Ib/ft3 - 8 in. Asphalt shingles - 1/4 in Vapor permeable felt - 1/8 Plywood - 1/2 in. Air - Ceiling - 3/4 in. Metal framed roof, 16in. OC, 9 R-30 Gypsum Board - 1/2 in. Slab Type = UnheatedSlabOn Insulation Orientation = No	NRCC-PRF-01-E Calculation Date/Time: est (NW), but excludin 4. Assembly Me Manufactur 110.6-B. Center of Glass (COG Manufactur 110.6-B. Center of Glass (COG Area (ft <sup>2</sup> ) y - 125 1894 h. y - 125 1894 h. y - 125 1894	Page 4 of 15 13:27, Fri, Jun 45°00'00'' so a 45°00'00'' so hod A d d values are for the gla 5 Framing R NA NA Metal	5. Area ft <sup>2</sup> 128 plass-only, deterror 6 Cavity R-Value 0 30	6.       7         0.36       0.         mined by the manuful       0.36         7       0         Continuous       U-         NA       0         NA       0	7. 8. erall Overall HGC VT .25 0.50 facturer, and are sho facturer, and are sho U-Factor / F-Factor U-Factor: 0.379 U-Factor: 0.071	Pro Pro Pro Input 9. I Status, N Swn for ease N Status, Status, N	roject Name: roject Address: put File Name: . OPAQUE DOOR SU Ass Ass Ass Ass Ass Ass Ass Ass Ass As	Nonresidential Building 608 Heber Ave Calexico 922 ICTC Mechanical T24 - KP_8 IMMARY 1 sembly Name Metal Door21 DUCT SUMMARY S140.3 1 Assembly Name copy of R-30 Roof Attic13 IMARY §110.1 & §110.2 ment (furnaces, air handli 2 Equipment Type SZHP (Split3Phase) Exhaust (NA) SZAC (CRAC) SZHP (Split3Phase) Exhaust (NA)	231 8.0_latest_Loads_1  8.0_latest_Loads_1  ing units, heat p Dry System 3 Qty Total He (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	test 4.cibd19x	NRCC-PRF-01-E Calculation Date/Tir 2 erall U-factor 0.700 3 Aged Solar Reflecta 0.63 izer info included below i 6 Heating purce Supp Heat Outpu	Page 5 of 15 ne: 13:27, Fri, Jun 18, 202 13:27, Fri, Jun 18, 202 13:27, Fri, Jun 18, 202 14 14 14 14 15 15 15 15 15 15 15 15 15 15	3           Status <sup>1</sup> N           Status <sup>1</sup> N           SRI           Not Provi           SRI           Not Provi           SE           SE           SE           SE           SE           SE           SE           Not Provi           SE           SE           SE           O           NA           12           SEER-20 EER-12           12           SEER-20 EER-12           0         NA           12           SEER-20 EER-12           0         NA	5-18 13:29:24 CA B 5-18 13:29:24 CA B Pro Pro Pro Na Na Solution Na Na Na Na Na Na Na Na Na Na	South-Facing is oriented to         Building Energy Efficiency S         oject Name:       Noto         oject Address:       608         put File Name:       ICTO         2. ECONOMIZER & FAN S         1       System         Jame or Item Tag       Package         FC-1       Si         FC-2       Si         FC-3       Si         FC-4       Si         S. EXHAUST FAN SUMMA       1         Security Room28       Breakroom33         Breakroom33       Stystem ID         System Name       1	to within 45 degrees of the Standards- 2019 Nonreside onresidential Building 28 Heber Ave Calexico 92233 TC Mechanical T24 - KP_8.0 SYSTEMS SUMMARY §14 2 3 1 sem Type Design OA 1 ged, DOAS, CFM 2 ged, DOAS, CFM	rue south, including 45°00'0 ntial Compliance Re  L Latest_Loads_test 4.cibd19x 4 5 6 Supply Fan CFM BHP Watts 1080 0.250 218.0 760 0.050 43.6 760 0.050 43.6 1080 0.166 144.8 C C C C C C C C C C C C C C C C C C C	200" west of south eport Version: NRC port Version: NRC 7 S Control ConstantVolu ConstantVolu ConstantVolu 3 ConstantVolu 3 ConstantVolu 4 Evaporativ	NRCC-PRF-01-E Calculation Date/Time	Page 6 of 15         me:       13:27, Fri, Jun 18,         9       10         Return Fan         BHP       Watts         NA       NA         S       6         otor BHP       Motor V         0.100       87.2         0.100       87.2         Heat Recovery       1	uth (SE).  Report Generated at: 2021-06-18 13  2021  2021  11 12  Control I1 I2  Control I I I I I I I I I I I I I I I I I I I

Project Name: No	Ionresident	ial Building	N	NRCC-PRF-01-E Page 4 of 15							Project
Project Address: 60	08 Heber A	ve Calexico 92231	Ca	alculation Date/Tir	ne: 13:27	, Fri, Jun 18, 202	21				Project A
Input File Name: IC	CTC Mechar	nical T24 - KP_8.0_latest_Loads_	test 4.cibd19x								Input Fil
G. ENVELOPE GENERAL IN <sup>4</sup> West-Facing is oriented t	Contract Mathematic Information		ding 45°00'00" north of due west	t (NW), but exclu	ding 45°00	'00" south of v	vest (SW).				I3. OPA
H. FENESTRATION ASSEM		MARY §110.6				207					1⊣
1.		2.	3.	4.		5.	6.	7.	8.	9.	1—
Fenestration Assembly Nar or I.D.	ime / Tag	Fenestration Type / Product T Frame Type	ype / Certification Method <sup>1</sup>	Assembly	Nethod	Area ft <sup>2</sup>	Overall U-factor	Overall SHGC	Overall VT	Status <sup>2</sup>	J. CRRC
Residential Cooling	g	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufac	tured	128	0.36	0.25	0.50	N	
	values are cal isting	culated per Nonresidential Appendix NA6	ault tables found in Table 110.6-A and Table 110 and are used in the analysis.	0.6-B. Center of Glass (C	OG) values are	for the glass-only, de	etermined by the m	aanufacturer,	and are showr	t for ease	к. нvа
1. OPAQUE SURFACE ASSEM		MARY									K1. Dry
1		2	3	4	5	6	7		8	9	1
Surface Name	j	Surface Type	Description of Assembly Layers	Area (ft <sup>2</sup> )	Framing Type	cavity R-Value	Continuous R-Value	38	r / F-Factor -Factor	Status <sup>1</sup>	1 =
8 NW CMUSolid groute	ed Wa7	ExteriorWall	riorWall Concrete - Part Grouted and Empty - lb/ft3 - 8 in.		NA	0	NA	U-Fac	tor: 0.379	N	Equip
(			Asphalt shingles 1/4 in		0	8	3	1			1

Surface Name	Surface Type	Description of Assembly Layers	Area (ft <sup>2</sup> )	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / F-Factor / C-Factor	Status <sup>1</sup>
8 NW CMUSolid grouted Wa7	ExteriorWall	Concrete - Part Grouted and Empty - 125 Ib/ft3 - 8 in.	1894	NA	0	NA	U-Factor: 0.379	N
copy of R-30 Roof Attic13	Roof	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Ceiling - 3/4 in. Metal framed roof, 16in. OC, 9.25in., R-30 Gypsum Board - 1/2 in.	927	Metal	30	NA	U-Factor: 0.071	N
Slab On Grade15	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	927	NA	0	NA	F-Factor: 0.730	N

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-04172020-6104

CITY OF CALEXICO

COMMUNITY DEVELOPMENT DEPARTMENT

ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854

engineering@calexico.ca.gov • www.calexico.ca.gov

APPROVED BY:

DATE

SEAL:

NO.	BY:	REVISION COMMENTS	
			Kan D
			88 88
			COLEXIC

ENGINEER Plotted - 3/22/2022 12:01:37 PM :: Saved - 3/9/2022 1:03:51 PM :: P:\P-2021\2021-041-00 ICTC Calexico Transit\10\_BIM-CAD\MEP\M0.2.dwg :: kkiliona

Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-04172020-6104

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 www.pbsengineers.com
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> DRAWN BY: FN CHECK BY: PP DRAWN BY: FN/WM/GM DATE: 03/24/22 PROJECT: ICTC EXP. 06-30-2023 FILE NAME: LAST REVISED:

ENGINEER

APPROVED BY:

DATE

PRITAL PATEL, P.E.

ENGINEER OF WORK:

DATE

M33827

	NRCC-PRF-01-E	Page 3 of 15	
	Calculation Date/Time:	13:27, Fri, Jun 18, 2	021
test_Loads_test 4.cibd19x			
		1	
e options. The building must show complia	nce with all other applicable	compliance scope op	tions (performance or prescriptively) befor
st be listed in the Cool Roof Rating Council llated by the software program and used in		cts. For projects where	e initial reflectance is used, the initial
that service water heating is not required	and is not included in the de	sign.	
deling Approach which is not capable of mentation (form NRCC-LTI-02-E) for the requ			
			ation model. A cooling system has been
erved by mechanical cooling systems, but t	he cooling systems were not	included in the simul	adon model. A cooming system has been
erved by mechanical cooling systems, but t equipment. Cooling equipment has been			ation model. A cooling system has been
			ation model. A cooling system has been
			ation model. A cooling system has been
			adon model. A cooling system has been
equipment. Cooling equipment has been	added to the model to meet		
equipment. Cooling equipment has been	added to the model to meet	cooling loads.	4
equipment. Cooling equipment has been 2 Fotal Gross Surface Area (ft <sup>2</sup> )	added to the model to meet	rea (ft <sup>2</sup> )	4 Window to Wall Ratio (%)
equipment. Cooling equipment has been 2 Total Gross Surface Area (ft <sup>2</sup> ) 653 ft <sup>2</sup>	added to the model to meet	rea (ft²) 0 ft²	4 Window to Wall Ratio (%) 00.
equipment. Cooling equipment has been 2 Total Gross Surface Area (ft <sup>2</sup> ) 653 ft <sup>2</sup> 341 ft <sup>2</sup>	added to the model to meet	rea (ft <sup>2</sup> ) 0 ft <sup>2</sup> 24 ft <sup>2</sup>	4 Window to Wall Ratio (%) 00. 07.
2 Total Gross Surface Area (ft <sup>2</sup> ) 653 ft <sup>2</sup> 341 ft <sup>2</sup> 644 ft <sup>2</sup>	added to the model to meet	rea (ft <sup>2</sup> ) 0 ft <sup>2</sup> 24 ft <sup>2</sup> 56 ft <sup>2</sup>	4 Window to Wall Ratio (%) 00. 07. 08.
2 Total Gross Surface Area (ft <sup>2</sup> ) 653 ft <sup>2</sup> 341 ft <sup>2</sup> 644 ft <sup>2</sup> 256 ft <sup>2</sup>	added to the model to meet	rea (ft²) 0 ft² 24 ft² 56 ft² 48 ft²	4 Window to Wall Ratio (%) 00. 07. 08. 18.
2 Total Gross Surface Area (ft <sup>2</sup> ) 653 ft <sup>2</sup> 341 ft <sup>2</sup> 644 ft <sup>2</sup>	added to the model to meet	rea (ft <sup>2</sup> ) 0 ft <sup>2</sup> 24 ft <sup>2</sup> 56 ft <sup>2</sup>	4 Window to Wall Ratio (%) 00. 07. 08.

Report Generated at: 2021-06-18 13:29:24

PROJECT DESCRIPTION:

CALEXICO INTERMODAL TRANSIT CENTER

SHEET TITLE:

MECHANICAL COMPLIANCE FORMS SHEET:

123

OF

143

Project Name:	Nonresidentia	Il Building				NRCC-PRF-01-E	Pag	e 7 of 15				Project Name:	Nonresidential Build	ling			NRC	C-PRF-01-E	Page 8 of 15					Project Name:	Nonresidential Building
Project Address:	608 Heber Av	e Calexico 92231				Calculation Dat	e/Time: 13:	27, Fri, Jun 18, 2	021			Project Address:	608 Heber Ave Cale	xico 92231			Calc	ulation Date/Time:	13:27, Fri, Jun 18,	2021				Project Address:	608 Heber Ave Calexico 92231
Input File Name:	ICTC Mechani	cal T24 - KP_8.0_lat	est_Loads_te	est 4.cibd19x								Input File Name:	ICTC Mechanical T2	4 - KP_8.0_latest_Loa	ds_test 4.	cibd19x								Input File Name:	ICTC Mechanical T24 - KP_8.0_latest
K5. SYSTEM FEATURE	56 8120 2						A		W			Multifamily or Hotel/I	Actal Occupancy? (if ")			OT WATER S	VSTENA SLIMANA DV					- 1	No	N. INDOOR LIGHTIN	C SUMMADY STAD C
K5. STSTEIN FEATORE	5 9120.2	2		2				5	1			Wulthanning of Hotelyn	Noter Occupancy: (II	les , see DOIVESTIC/S	ERVICE	OT WATER 3	ISTEN SOMMART						NO	-	
		2	Window	s nterlocks per		4	LINAL NO.	3	-	c		Does the Project inclu	de Zonal Systems?										Yes	This Section Does	s Not Apply
System Name	0	ptimum Start		0.4(n)	Evaporat	ive Cooling	Heat	Recovery		Other C	Controls							~						<b>_</b>	
					A-1-1-2					No DCV Cont	rols, No DDC	K8. ZONAL SYSTEM	AND TERMINAL UNIT	SUMMARY § 140.4	1									]	
FC-3	No	Optimum Start	'	NA	No Evapor	ative Cooler	No Hea	t Recovery		No Ecor No Supply Air		1	2	3	4	5	6	7	8	9	10	11	12	1	
50.4		0			No 5		Netter		+	No DCV Cont	rols, No DDC	-	-			d Capacity kBtuh)		Airflow (cfm)				Fan			
FC-4 Notes: This table includes contr		Optimum Start		NA		rative Cooler		t Recovery		No Ecor No Supply Air		System ID	Zone Name	System Type	Heatin	g Cooling	Design	Min.	Min. Ratio	ВНР	Watt	Cycles	ECM Motor		
notes, mis tuble menues contr	rois related to the per,	onnance path only. For p	rojects using the	preseriptive party	nandatory and pre.	captive controls require	ements are abcame	inted on the finde in	677 E.			1-Ticketing Booth-Trn	1-Ticketing Booth	Uncontrolled	NA	NA	1080	NA	0.00	NA	NA	NA		1	
K6. MECHANICAL VE	NTILATION AN	D REHEAT §120.1										2-Electrical Room-Trn	2-Electrical Room	Uncontrolled	NA	NA	760	NA	0.00	NA	NA	NA		1	
1		2		3	4	5	6	7		8	9	3-Security Room-Trm	3-Security Room	Uncontrolled	NA	NA	760	NA	0.00	NA	NA	NA		1	
					Mech	anical Ventilation					DCV or Occupa		4-Breakroom	Uncontrolled	NA	NA	1080	NA	0.00	NA	NA	NA		1	
Zone Nan	me	Ventilation Fu	unction	# hotel rooms	# of people	# of bedrooms	Supply OA CF	M Exhaust	CFM	Conditioned Area (sf)	Sensor Control or Both	K9. EVAPORATIVE C	DOLER SUMMARY				A							-	
1-Ticketing B	Booth	Office - Office	e space	0	1.98	0	59	70	6	395	NA	This Section Does Not	Apply											1	
2-Electrical F	Room	Office - Office	e space	0	0.38	0	11	0		75	NA													]	
3-Security R	Room	Office - Office	e space	0	0.36	0	11	70		72	NA	L. DOMESTIC/SERVI	CE HOT WATER SYSTE	M SUMMARY										]	
4-Breakroo	om	General - Brea	k rooms	0	22.85	0	343	140	)	385	NA													2	
		4/440 4/12									9. 1	L1. DHW EQUIPMEN	IT SUMMARY												
K7. DISTRIBUTION SU	UNINARY 9120	.4/140.4(1)										This Section Does Not	Apply												
· · · · · · · · · · · · · · · · · · ·	1			2			3			4	5													7	
						Dry System Distrik	bution	Durte			Sta	L2. MULTI-FAMILY C		A DETAILS										4	
Equipme	ent Name		Duct I	Leakage Verific	ation Y/N		Insulation R-	Ducts		Location	tus <sup>1</sup>	This Section Does Not	Apply						· · · · · ·					]	
Er	C-1			No			8	value	43	conditioned	N	L3. SOLAR HOT WAT	ER HEATING SUMMA	RY										1	
	C-2			No			8		60110	conditioned	N	This Section Does Not												1	
	C-3			No			8			conditioned	N													-	
203	C-4			No			8		2010/02/	conditioned	N	M. COVERED PROCE	SS SUMMARY §140.9	)				14						]	
<sup>1</sup> Status: N - New, E – Existing				37420		l	-7001		2.14			This Section Does Not	Apply											]	

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-04172020-6104

Nonresidential Building NRCC-PRF-01-E Page 10 of 15 Project Name: Project Name Project Addre Project Address: Calculation Date/Time: 13:27, Fri, Jun 18, 2021 608 Heber Ave Calexico 92231 \_\_\_\_\_ Input File Name: ICTC Mechanical T24 - KP\_8.0\_latest\_Loads\_test 4.cibd19x Input File Nar O. DECLARA O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for Table Instruc compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: compliance. https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NRCI/ https://www Field Inspector **Building Component** YES NO Form/Title Pass Fail NRCI-ENV-01-E - Must be submitted for all buildings Envelope NRCI-MCH-01-E - Must be submitted for all buildings Mechanical P. DECLARAT □ NRCI-PLB-01-E - Must be submitted for all buildings NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution Table Instruc compliance. systems to be recognized for compliance Provider (AT □ NRCI-PLB-01-E - Must be submitted for all buildings Plumbing NRCI-PLB-21-E - Must be HERS verified for central systems in high-rise residential hotel/ motel application NRCI-PLB-22-E - Must be HERS verified for single dwelling unit systems in high-rise residential, hotel/motel application □ NRCI-LTI-01-E - Must be submitted for all buildings 
 NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS) to be recognized for compliance
 NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance Indoor Lighting NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance 
 Image: NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance
 □ NRCI-LTO-01-E - Must be submitted for all buildings Outdoor Lighting □ NRCI-LTO-02-E - Must be submitted for EMCS Lighting Control system NRCI-LTS-01-E - Must be submitted for all buildings Sign Lighting NRCI-ELC-01-E - Must be submitted for all buildings Electrical Photovoltaic 

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

NO.	BY:	REVISION COMMENTS			APPROVED BY:	
				CITY OF COITVICO		
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				GREE OF GIFFFIFE		
			- 1 📷 🛛 / 🖄	COMMUNITY DEVELOPMENT DEPARTMENT		
				ENGINEERING DIVISION		
_			COLLUTION	608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854		
			Lutin Milau	engineering@calexico.ca.gov • www.calexico.ca.gov		
			CELLERGELE			
			When Calence God Warts West		ENGINEER	DATE

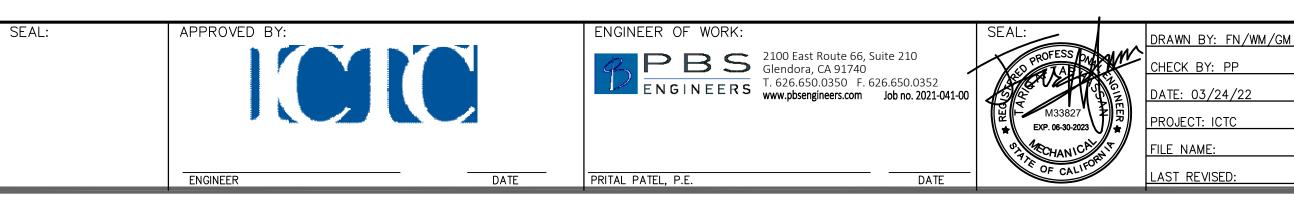
Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

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ne:	Nonresidential Building				NRCC-PRF-01-E	Page 11 of 15			Project Name:	Nonresidential Building	
ress:	608 Heber Ave Calexico 9223	1			Calculation Date/Time:	13:27, Fri, Jun 18, 2021			Project Address:	608 Heber Ave Calexico 9223	1
ame:	ICTC Mechanical T24 - KP_8.0	_latest	Loads	_test 4.cibd19x					Input File Name:	ICTC Mechanical T24 - KP_8.0	)_la
ATION OF R	REQUIRED CERTIFICATES OF	INSTA	LATIO	N			<u> </u>		P. DECLARATION OF	REQUIRED CERTIFICATES OF	AC
e. These doc	cuments bust be retained and	d provi	ded to	Author to indicate which Certif the building inspector during o liance_documents/Nonresider	construction and can be	st be submitted for the features to be recognize found online at:	ed for		compliance. These a	elections shall be made by Do locuments must be provided to or more information visit:https	o tł
Building	g Component	YES	NO		Form/Titl	e	Insp	eld ector Fail	Build	ling Component	,
Cover	red Process										t
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ATION OF R	EQUIRED CERTIFICATES OF	ACCEP	TANCE								H
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			-			through an Acceptance Test Technician Certific cuments/Nonresidential_Documents/NRCA/	ation				H
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Building	g Component	YES	NO		Form/Tit	le	Insp	ector			F
							Pass	Fail			
5				NRCA-ENV-02-F - NRFC label verif	ication for fenestration						Н
E	nvelope										1.1
Er	nvelope			NRCA-ENV-03-F - Daylighting Des	ign PAFs						h
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Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance



	NRCC-PRF-01-E	Page 9 of 15	
	Calculation Date/Time:	13:27, Fri, Jun 18, 2021	
est_Loads_test 4.cibd19x			

Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24

			NRCC-PRF-01-E	Page 12 of 15		
			Calculation Date/Time:	13:27, Fri, Jun 18, 2021		
atest	Loads	_test 4.cibd19x				
1.1.1.1.1	ANCE	S				
he bu	uilding	inspector during construction ar	nd must be completed	ist be submitted for the features to be recognize through an Acceptance Test Technician Certifico ocuments/Nonresidential_Documents/NRCA/		
YES	NO		Form/Tit	le	12250	eld ector
			51		Pass	Fail
				vly installed HVAC units. Note: MCH02-A can be cceptance (if applicable) since testing activities		
		NRCA-MCH-03-A Constant Volume	Single Zone HVAC			
	$\boxtimes$	NRCA-MCH-04(a)-H Air Distribution	Duct Leakage - HERS Ve	rification required		
		NRCA-MCH-04(b)-A Air Distribution	Duct Leakage - ATT only	6		
		NRCA-MCH-05-A Air Economizer Co	ontrols			
			lation (refer to §120.1(c)	ptance must be submitted for all systems required (3) can vary outside ventilation flow rates based on points		
		NRCA-MCH-07-A Supply Fan Variab	le Flow Controls			
	$\boxtimes$	NRCA-MCH-08-A Valve Leakage Tes	t			
	$\boxtimes$	NRCA-MCH-09-A Supply Water Tem	perature Reset Controls			
	$\boxtimes$	NRCA-MCH-10-A Hydronic System	ariable Flow Controls			
	$\boxtimes$	NRCA-MCH-11-A Automatic Deman	d Shed Controls			
	$\boxtimes$	NRCA-MCH-12-A FDD for Packaged	Direct Expansion Units			
	Ø	NRCA-MCH-13-A Automatic FDD fo	r Air Handling Units and	Zone Terminal Units Acceptance		
	$\boxtimes$	NRCA-MCH-14-A Distributed Energy	y Storage DX AC Systems	Acceptance		
	$\boxtimes$	NRCA-MCH-15-A Thermal Energy St	torage (TES) System Acce	ptance		
	$\boxtimes$	NRCA-MCH-16-A Supply Air Temper	rature Reset Controls			
	$\boxtimes$	NRCA-MCH-17-A Condenser Water	Temperature Reset Cont	rrols		
	$\boxtimes$	NRCA-MCH-18 Energy Managemen	t Control Systems			
	$\boxtimes$	NRCA-MCH-19 Occupancy Sensor C	ontrols			

Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24

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SHEET:

124

OF

143

PROJECT DESCRIPTION:

CALEXICO INTERMODAL

SHEET TITLE:

MECHANICAL COMPLIANCE FORMS

TRANSIT CENTER

oject Name:	Nonresidential Building			NRCC-PRF-01-E	Page 13 c	of 15			Project Name:	Nonresidential Building				NRCC-PRF-01-E	Pa	age 14 of 15			Project Name:	Nonresidential Building
oject Address:	608 Heber Ave Calexico 92	231		Calculation Date/Time:	13:27, Fri	, Jun 18, 2021			Project Address:	608 Heber Ave Calexico 922	31			Calculation Date/Time:	e: 13	3:27, Fri, Jun 18, 2021			Project Address:	608 Heber Ave Calexico 92231
put File Name:	ICTC Mechanical T24 - KP_	8.0_latest_Lo	oads_test 4.cibd19x						Input File Name:	ICTC Mechanical T24 - KP_8	0_late	st_Load	s_test 4.cibd19x						Input File Name:	ICTC Mechanical T24 - KP_8.0_latest_Lo
DECLARATION O	F REQUIRED CERTIFICATES	F ACCEPTA	NCE						Q. DECLARATION O	F REQUIRED CERTIFICATES O	F VER	FICATIO	DN						DOCUMENTATION	AUTHOR'S DECLARATION STATEMENT §
able Instructions:	Selections shall be made by	Documentat	tion Author to indicate which C	Certificates of Acceptance mi	nust be subr	nitted for the features to be	recognized for		Table Instructions: S	elections shall be made by D	ocume	ntation	Author to indicate which Cer	rtificates of Verification m	must b	be submitted for the features to be recogniz	ed for		Documentation Auth	nor Name: FRANKLIN NGUYEN
			ding inspector during construc										o the building inspector durin		-	und online at:			Company: PBS Engine	eers
rovider (ATTCP). F	or more information visit:ht	ps://www.e	energy.ca.gov/title24/2019star	ndards/2019_compliance_d	locuments/	Nonresidential_Documents/			https://www.energy	y.ca.gov/title24/2019standar	ds/201	19_com	pliance_documents/Nonresic	dential_Documents/NRCV	.V/		-		Address: 2100 E ROU	JTE 66, SUITE 210
Puil	ding Component	YES	NO	Form/Tit	itle		Fie	100000000000000000000000000000000000000	Ruild	ling Component	VEC	NO		Form/Ti	Title		1.122	Field spector	City/State/Zip: GLENI	DORA CA 91740
Built	ung component			Pormy In	itte		Pass		Build	ang component	1			Formy in	nue			s Fail	Phone: (626)350-035	50
			NRCA-LTI-02-A - Occupancy	Sensors and Automatic Time Sv	witch Contro	bls							NRCV-MCH-04-H Duct Leakage	e Test					RESPONSIBLE PER	SON'S DECLARATION STATEMENT
	N PROVINCI		NRCA-LTI-03-A - Automatic E	Daylight Controls									NRCV-MCH-24-H Enclosure Air	r Leakage					I certify the following	under penalty of perjury, under the laws of the Stat
Ir	ndoor Lighting		NRCA-LTI-04-A - Demand Re	sponsive Lighting Controls						Mechanical			NRCV-MCH-27 Indoor Air Qual	lity & Mechanical Ventilation	on					ovided on this Certificate of Compliance is true and
			NRCA-LTI-05-A - Institutional	I Tuning Power Adjustment Fac	ctor (PAF)								NRCV-MCH-32-H Local Mechar	nical Exhaust					3. The energy features	Division 3 of the Business and Professions Code to a and performance specifications, materials, compo
Ou	utdoor Lighting		NRCI-LTO-01-E - Must be sub	omitted for all buildings						Diversion			NRCV-PLB-21-H - HERS verified	d central systems in high-rise	se resid	dential, hotel/motel application				Part 6 of the California Code of Regulations. features or system design features identified on thi
	Sign Lighting		NRCA-LTO-02-A - Outdoor Li	ghting Controls						Plumbing			NRCV-PLB-22-H - HERS verified	d single dwelling unit system	ms in hi	igh-rise residential, hotel/motel application			plans and specification	ns submitted to the enforcement agency for approv
			NRCA-PRC-01-F - Compresse	ed Air Systems																completed signed copy of this Certificate of Complia and that a completed signed copy of this Certificate
			NRCA-PRC-02-F - Kitchen Ext	haust					R. UNMET LOAD HO	DURS			- <u>1</u>	<i>1</i> 2					Responsible Envelope	e Designer Name:
			NRCA-PRC-03-F - Garage Exh	naust					This Section Does Not	Apply									1.00	e Designer Name:
			NRCA-PRC-04-F - Refrigerate	ed Warehouse - Evaporator Fan	Motor Cont	trols													Company: Address:	
	evered Presses		NRCA-PRC-05-F - Refrigerate	ed Warehouse - Evaporative Co	ondenser Cor	ntrols													City/State/Zip:	
C	overed Process		NRCA-PRC-06-F - Refrigerate	ed Warehouse - Air Cooled Con	ndenser Cont	rols													1	
			NRCA-PRC-07-F - Refrigerate	ed Warehouse - Variable Speed	l Compresso	ř													Phone:	
			NRCA-PRC-08-F - Electrical R	tesistance Underslab Heating Sy	System														Responsible Lighting	Designer Name:
					• Company 1														Company:	
			NRCA-PRC-15-F - Fume Hood	d Automatic Sash Closures Syste	tem														Address:	

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

NO.	BY:	REVISION COMMENTS



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CITY OF CALEXICO

ENGINEERING DIVISION B Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854

engineering@calexico.ca.gov • www.calexico.ca.gov

SEAL:

APPROVED BY:

ENGINEER

Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance





PRITAL PATEL, P.E.

DATE





SEAL:

DRAWN BY: FN/WM/GM CHECK BY: PP DATE: 03/24/22 PROJECT: ICTC FILE NAME: LAST REVISED:

	NRCC-PRF-01-E	Page 15 of 15							
	Calculation Date/Time:	13:27, Fri, Jun 18, 2021							
est_Loads_test 4.cibd19x									
ENT § 10-103									
	- Signature:	ture:							
	Signature Date: 2021-06-18								
	CEA/ HERS Certification Identific	ation (if applicable):							
components, and manufactured devices d on this Certificate of Compliance are co approval with this building permit applic Compliance shall be made available with	for the building design or system desi possistent with the information provide cation. the building permit(s) issued for the b	on this Certificate of Compliance (responsible designer) gn identified on this Certificate of Compliance conform to the requirements ed on other applicable compliance documents, worksheets, calculations, building, and made available to the enforcement agency for all applicable builder provides to the building owner at occupancy.							
	Signature:								
	Date Signed:								
	Declaration Statement Type:								
	Title:	License #:							
	Signature: NOT IN SCOPE								
	Date Signed:								

City/State/Zip:	Declaration Statement Type:						
Phone:	Title: License #:						
Responsible Mechanical Designer Name: FRANKLIN NGUYEN	signature: Franklin Nguyen						
Company: PBS ENGINEERS							
Address: 2100 E ROUTE 66	Date Signed: 2022-02-02						
City/State/Zip: GLENDORA CA 91740	Declaration Statement Type:						
Phone: (626)650-0350	Title: License #:						

Report Version: NRCC-PRF-01-E-04172020-6104

Report Generated at: 2021-06-18 13:29:24

SHEET:

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OF

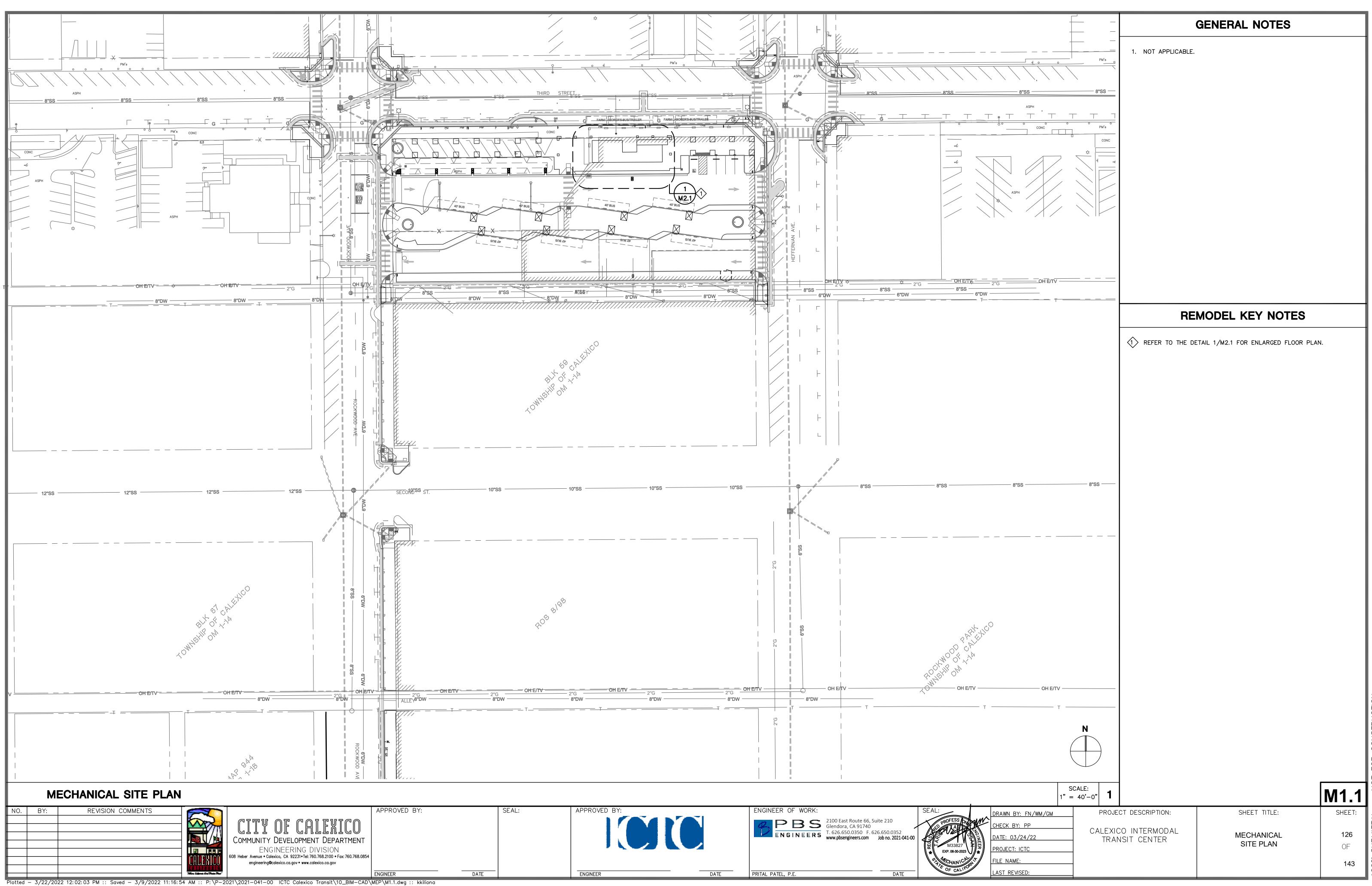
143

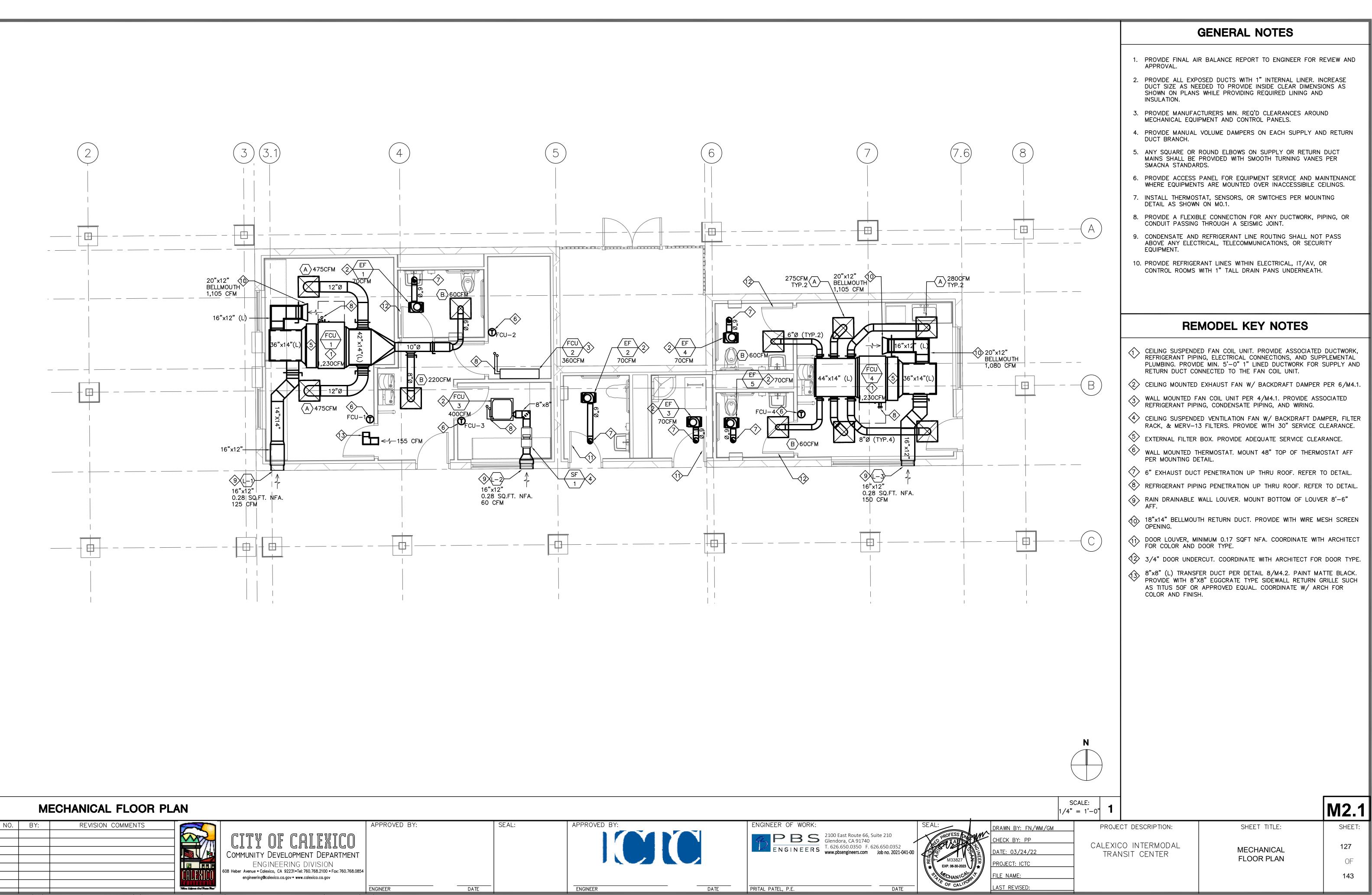
PROJECT	DESCRIPTION:

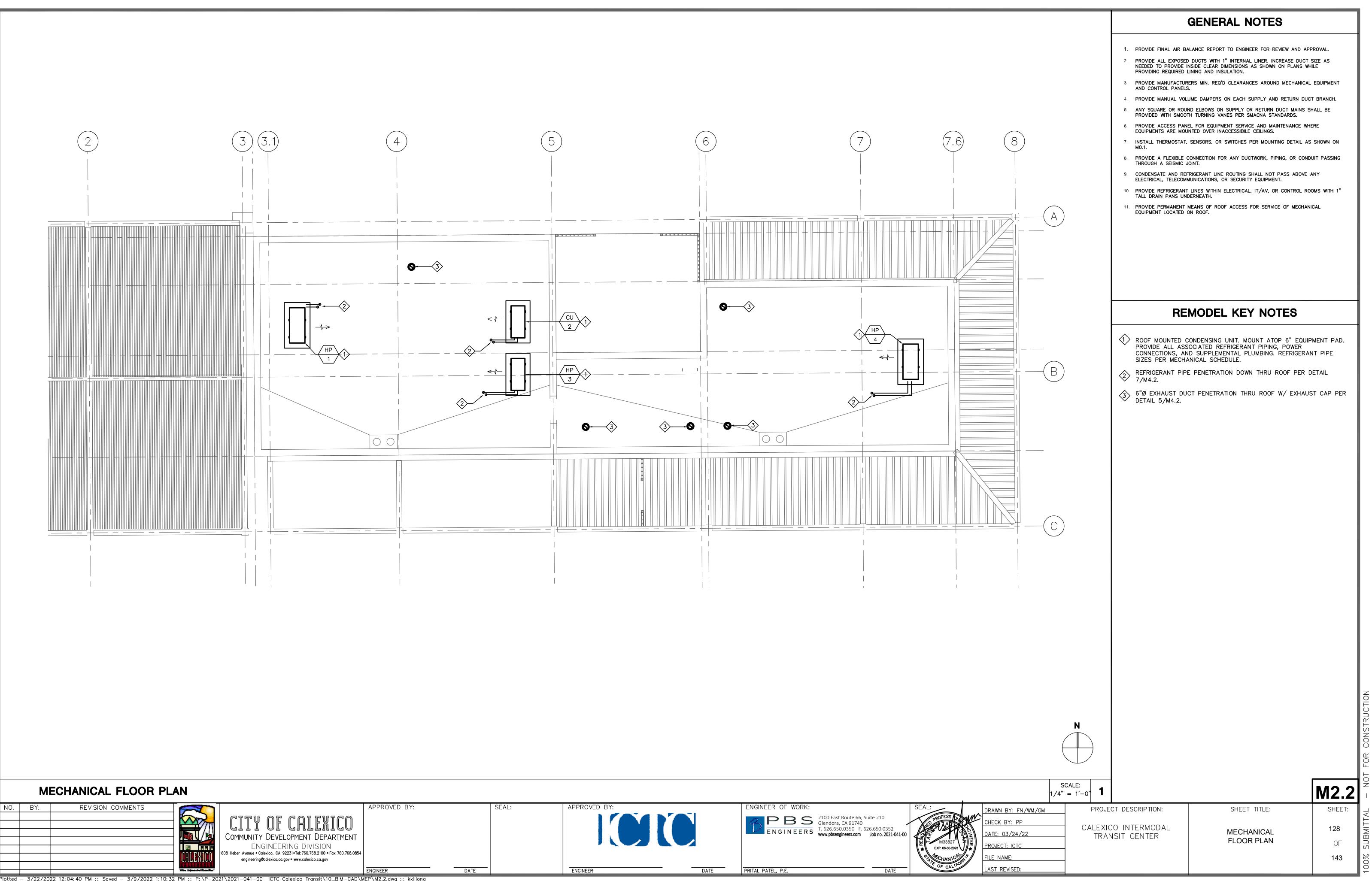
CALEXICO INTERMODAL TRANSIT CENTER

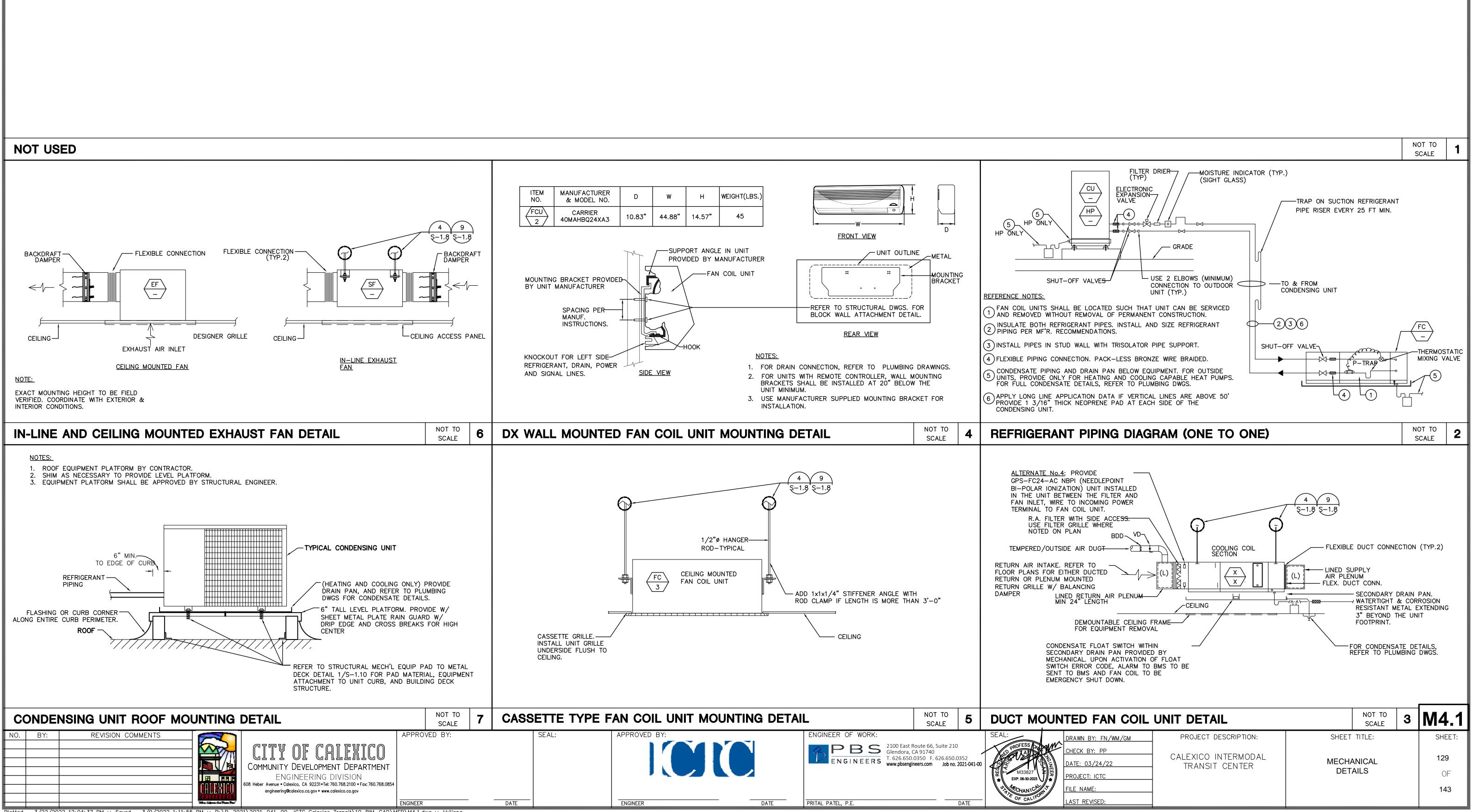
SHEET TITLE:

MECHANICAL COMPLIANCE FORMS





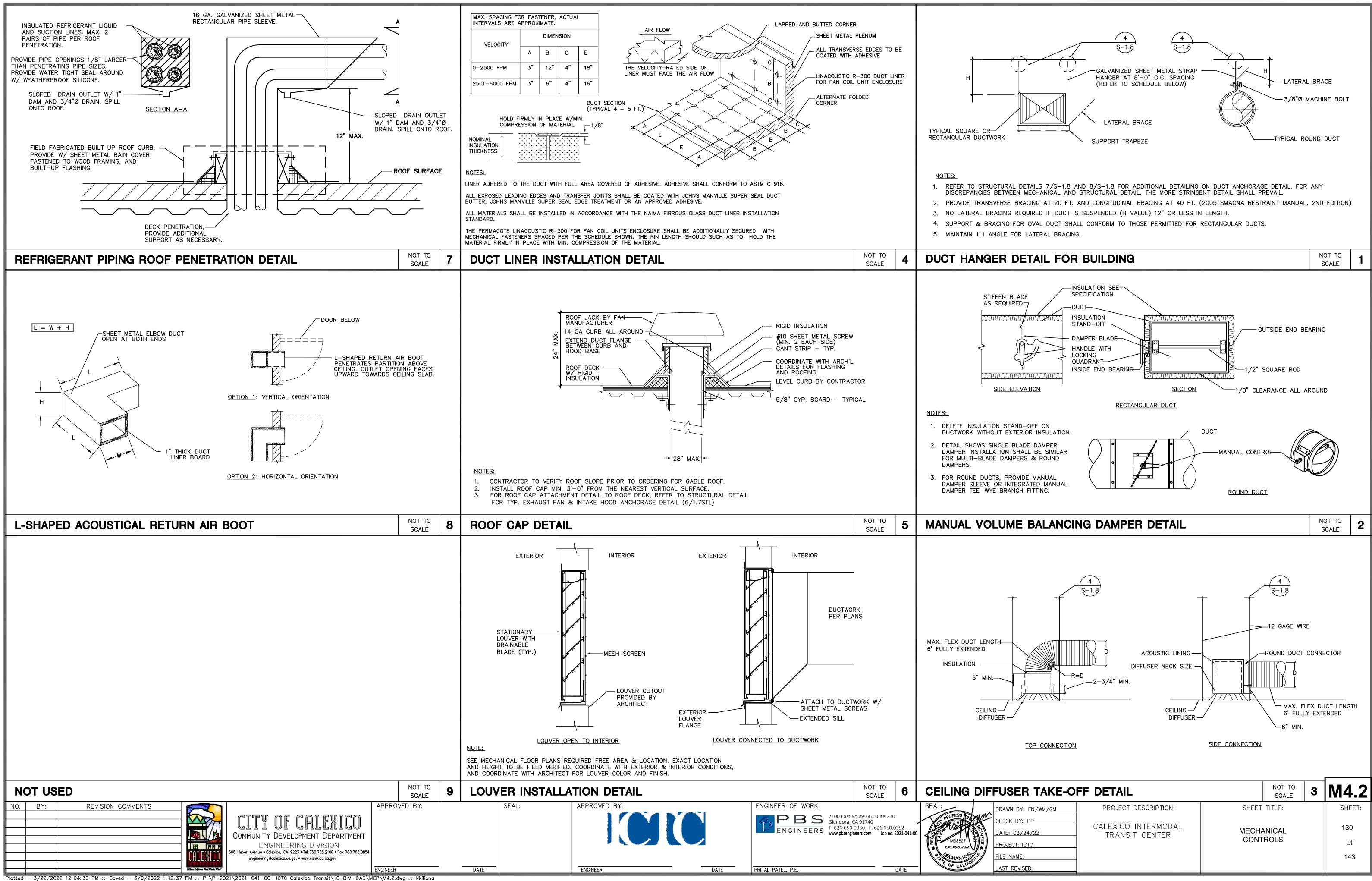




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FAN COIL	UNIT DETAIL		SCALE	3	<b>  IVI 4</b> .
BY: FN/WM/GM	PROJECT DESCRIPTION:	SHEET	TITLE:		SHEET
BY: PP					400
03/24/22	CALEXICO INTERMODAL TRANSIT CENTER		ANICAL		129
CT: ICTC		DET	AILS		OF
AME:					143
REVISED:					

NSTR SUBMIT<sup>-</sup>



ER TAKE-OFF DETAIL       NOT TO SCALE       3         BY: FN/WM/GM       PROJECT DESCRIPTION:       SHEET TITLE:         BY: PP       SHEET TITLE:       SHEET TITLE:						_ ~
	TAKE-OFF DETAIL			3	M4.2	
BY PP	WM/GM PROJECT DESCRIPTION:	IEET	TITLE:		SHEET:	1,
CALEXICO INTERMODAL D3/24/22 TRANSIT CENTER ME: EVISED: CALEXICO INTERMODAL TRANSIT CENTER MECHANICAL CONTROLS	2 TRANSIT CENTER M				130 OF 143	

	120V-10-60HZ $CIRCUIT$ $BREAKER$ $E$ $FC-3$ $FC-$	ALL LINE VOLTACE CONDUIT, WIRING, AND       ABBEEVIATION LEGEND.         ALL LINE VOLTACE CONTINCTOR.       AL         AND INSTALLED BY THE ELECTRICAL CONTRACTOR.       AL         ALL LOW VOLTAGE WIRING & CONDUIT SHOWN SOLID SHALL BE       CURRENT TRANSFORMER         FURNISHED AND INSTALLED BY THE LOW VOLTAGE CONTROLS       DISCONNECT         CONTRACTOR, WERFY THE EXACT REQUIREMENT WITH THE       DISCONNECT         EQUIPMENT MANUFACTURER, CONDUIT SHALL BE FURNISHED AND       DIGTAL OUTPUT         DISCONNECT SWITCHER, CONTROLS CONTRACTOR.       FDS         PREQUENCY DRIVE SIGNAL       EQUIPMENT MANUFACTURER, CONDUIT SHALL BE FURNISHED AND       DIGTAL OUTPUT         DISCONNECT SWITCHES AND MAGNETIC STARTERS       FIL LO, SULINE ENSITIES AND       FREQUENCY DRIVE SIGNAL         DISCONNECT SWITCHES AND MAGNETIC STARTERS       FOR WIRD BY CONTACTS INCLUDING RELAYS SHALL BE       FREQUENCY DRIVE SIGNAL         MITH H-O-A, 120V CONTROL TRANSFORMER, AND       FOR SULSE AR       FREDERING TRANSFORMER         WIRD BY THE ELECTRICAL DIVISION AND INSTALLED BY THE ELECTRICAL DE       FAR FURNISHED & MURCHARIAL DIVISION.       SA         SUPPLY AR       SA       SUPPLY AR       THERMOSTAT OR SPACE TEMPERATURE SENSOR BY CONTROLS CONTRACTOR.         O       THERMOSTAT OR SPACE TEMPERATURE SENSOR BY CONTROLS CONTRACTOR.       THERMOSTAT OR SPACE TEMPERATURE SENSOR BY CONTROLS CONTRACTOR.         O <t< th=""></t<>
NOT USED NOT TO SCALE 7	INTERLOCKED FAN CONTROL DIAGRAM	NOT TO SCALE4WIRING DIAGRAM NOTES AND SYMBOL LEGENDNOT TO SCALE1
		24V CONTROL WIRING 24V CONTROL WIRING 24V CONTROL WIRING 24V CONTROL WIRING 24V CONTROL WIRING 24V CONTROL WIRING 24V CONTROL WIRING CONTROL WIRING CO
NOT USED NOT TO SCALE 8	NOT USED	NOT TO SCALE     5     SPLIT SYSTEM FC/CUWIRING DIAGRAM
		DETAIL NOTES: 1 DETAIL NOTES: 1 DETAIL NOTES: 1 INTERLOCK EXHAUST FAN TO LIGHT SWITCH CONTROLLED VIA 0 COCUPANCY SENSOR. REFER TO ELECTRICAL PLANS. 2 SINGLE POLE SINGLE THROW RELAY FURNISHED, INSTALLED AND WIRED BY CONTROLS CONTRACTOR.
NOT USED     NOT TO SCALE     9       NO.     BY:     REVISION COMMENTS     APPROVED BY:	NOT USED         SEAL:       APPROVED BY:         ENGINEER OF WORK:	NOT TO SCALE       6       LIGHT SWITCH CONTROLLED FAN WIRING DIAGRAM       NOT TO SCALE       3       M4.3         SEAL:       DRAWN BY: FN/WM/GM       PROJECT DESCRIPTION:       SHEET TITLE:       SHEET:
Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Constraint of the second system       Image: Constraint of the second system       Image: Constraint of the second system         Image: Consecond system<	DATE       ENGINEER       DATE       PRITAL PATEL, P.E.	

						F	AN			SPLIT	- SYST	EM-	INDO	OR	UNI	г					
ITEM NO.	MANUFACTURER MODEL NO.	EQUIPMENT TYPE	AREA & ROOMS SERVED	EQPT. TONNAGE	AIRFLOW (CFM)	OUTSIDE AIR	FAN	EXTERNAL STATIC PRESSURE (IN. WG)	TOTAL	DX COIL	(COOLING)		DX COII HEATING CAPACITY (MBH)	L (HEA	fing)	ELECTRIC		NOISE LEVEL (dB @ 4K)	UNIT WEIGHT LBS.	ANCHOR DETAIL	REMARKS
FC 1	CARRIER TOSHIBA 40MBDQ363	LOW PROFILE DUCTED CEILING UNIT	TICKETING AREA, VESTIBULE, RESTROOM	3.0	1,230	125	HIGH	0.6	29.9	23.7	76.3 5	59.0 49.1	34.9	69.1	96.3	208–1–60	2.45	45.5	110	3 M4.1	123468
FC 2	CARRIER 40MAHBQ12XA3	HIGH WALL NON DUCTED FAN COIL	ELECTRICAL ROOM	1.0	335	0	HIGH	0.0	10.3	7.5	72.0 5	55.9 45.4	_	_	_	208–1–60	0.625	52.0	45	4 M4.1	12357911
FC 3	CARRIER 40MBCQ123	4-WAY CEILING CASSETTE	OFFICE	1.0	400	60	HIGH	0.0	10.9	8.3	78.3 5	57.6 46.5	16.2	66.8	107.5	208–1–60	0.20	42.0	45	5 M4.1	12346810
FC \ _4_/	CARRIER 40MBDQ363	LOW PROFILE DUCTED CEILING UNIT	DILAR ROOMS	3.0	1,230	150	HIGH	0.6	29.9	23.7	77.1 5	59.0 49.1	38.0	68.1	96.3	208–1–60	2.45	45.5	110	3 M4.1	123468
1   2   	I <u>ARKS:</u> NDOOR UNIT POWE REFER TO WIRING D FACTORY FURNISHE PROGRAMMABLE WA BY MECHANICAL CO	D 24V INTERF. ALL MOUNTED ONTRACTOR.	ACE KIT FOR 7-E THERMOSTAT, INS	DAY TALLED		5 F	<ul> <li>4 BUILT-IN CONDENSATE LIFT. REFER TO PLUMBING DWGS FOR CONDENSATE DESIGN CONTINUATION.</li> <li>5 PROVIDE EXTERNAL CONDENSATE PUMP POWERED VIA FCU. REFER TO PLUMBING DWGS FOR CONDENSATE DESIGN.</li> <li>6 PROGRAM FAN COIL THERMOSTAT TO OPERATE ONLY DURING OCCUPIED HOURS.</li> </ul>								<ul> <li>WASHABLE MESH FILTER</li> <li>OA AND FILTRATION VIA SUPPLY FILTER FAN UNIT W/ MERV</li> <li>13 FILTER.</li> <li>(1) DISABLE HEATING OPERATION. COOLING OPERATION ONLY.</li> </ul>						
3	PROVIDE REFRIGERA EXPANSION VALVE	ANT PIPES, SU PER DETAIL 2	PPORT, AND ELEC /M4.1. AFTER INS	CTRONIC	N	72	24/7 01	PERATION.													

AND BEFORE OPERATION, TEST FIELD ERECTED COMPONENTS CONTAINING REFRIGERANT FOR LEAKAGE.

PROVIDE WITH MICROMETL FS-40MBDQ FILTER RACK AND MERV 13 FILTERS.

								FAN	SCH	EDUL	.E						
TEM NO.	MANUFACTURER AND	SERVICE AREA	LOCATION	FAN TYPE	DRIVE	AIR FLOW	E.S.P. IN.	EST. FAN	EST. FAN		MOTOR			NOISE LEVEL	EST. OPERATING WFIGHT	ANCHOR	REMARKS
	MODEL NO.					CFM	H2O	RPM	BHP	RPM	FLA	HP / (W)	V-Ø-HZ	dBA (SONES)	WEIGHT LBS.	DETAIL	
EF 1	GREENHECK SP-A50-90-VG	RESTROOM	CEILING MOUNTED	FORWARD CURVED	DIRECT	70	0.20	838	-	-	0.29	(6)	115–1–60	(0.6)	20	6 M4.1	123
EF 2	GREENHECK SP-A50-90-VG	RESTROOM	CEILING MOUNTED	FORWARD CURVED	DIRECT	70	0.20	838	-	-	0.29	(6)	115–1–60	(0.6)	20	6 M4.1	123
EF 3	GREENHECK SP-A50-90-VG	JANITOR'S CLOSET	CEILING MOUNTED	FORWARD CURVED	DIRECT	90	0.20	887	-	-	0.29	(6)	115–1–60	(0.6)	21	6 M4.1	123
EF 4	GREENHECK SP-A50-90-VG	MEN'S RESTROOM	CEILING MOUNTED	FORWARD CURVED	DIRECT	70	0.20	838	-	-	0.29	(6)	115–1–60	(0.6)	20	6 M4.1	123
EF 5	GREENHECK SP-A50-90-VG	WOMEN'S RESTROOM	CEILING MOUNTED	FORWARD CURVED	DIRECT	70	0.20	838	-	-	0.29	(6)	115–1–60	(0.6)	20	6 M4.1	123
SF 1	GREENHECK SQ-60-VG	OFFICE VENTILATION	CEILING SUSPENDED	IN-LINE	DIRECT	60	0.22	1,305	0.01	1,725	-	1/15	115–1–60	39	47	6 M4.1	1245

INTEGRAL BACKDRAFT DAMPER, MOUNTING BRACKET, AND PITCHED ROOF FLASHING FLANGE WITH ROOF CAP.

SWITCH AND FOR 10 MINUTES AFTERWARDS. (4) INLINE EXHAUST FAN W/ INTEGRAL FILTER RACK.

		GRILLES, REGI	STERS, &
	SYMBOL LEGEN	ND	
1-WAY FLOW EXHAUST GRILLE	2-WAY FLOW	CORNER FLOW	<ol> <li>COORDIN ORDERING</li> <li>PROVIDE FLOOR P</li> <li>MODULE SIZE MOI</li> <li>PROVIDE SCHEDUL</li> <li>PROVIDE THRU FA</li> <li>NOISE LE</li> </ol>
SIDEWALL SUPPLY REGISTER	SIDEWALL GRILLE RETURN/EXHAUST	4-WAY FLOW	7. SUPPLY BALANCII

NO.	BY:	REVISION COMMENTS	CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION 608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854	APPROVED BY:		SEAL
Plotted -	- 3/22/20	$122 12.04.23 \text{ PM} \cdots \text{ Saved} = 3/9/2022 1.17.$	engineering@calexico.ca.gov • www.calexico.ca.gov 021\2021-041-00 ICTC Calexico Transit\10_BIM-CAD\N	ENGINEER	DATE	

					SUMMER	WINTER			GERANT					E	ECTRI	CAL		NOISE			
NO.	MANUFACTURER MODEL NO.	UNIT SERVED	NOMINAL COOLING (BTU/h)	AIRFLOW (CFM)	AMBIENT TEMP. (°F)	AMBIENT TEMP. (°F)	TYPE	PIPE CONNEC RL <sup>®</sup> Ø	<u>ȚION SIZE</u>	CHARGE E (LBS)	EER	SEER	COP	V-ø-HZ	RLA	МСА	MCOP	LEVEL (dBA)	WEIGHT LBS.	ANCHOR DETAIL	REMARKS
HP 1	CARRIER 38MBRBQ36AA3	FC-1	36,000	2,118	105.0	31.0	R410A	3/8	5/8	7.05 8	8.5	16.5	3.20	208–1–60	23.5	30	45	61.7	156	7 M4.1	1234
CU 2	CARRIER 38MARBQ12AA3	FC-2	12,000	1,325	105.0	31.0	R410A	1/4	1/2	2.60 1	4.0	25.5	_	208–1–60	8.5	15	15	56.0	75	7 M4.1	1235
HP 3	CARRIER 38MARBQ12AA3	FC-3	12,000	1,325	105.0	31.0	R410A	1/4	1/2	2.60 1	2.7	21.5	3.22	208–1–60	8.5	15	15	56.0	75	7 M4.1	1235
HP 4	CARRIER 38MBRBQ36AA3	FC-4	36,000	2,118	105.0	31.0	R410A	3/8	5/8	7.05 8	8.5	16.5	3.20	208–1–60	23.5	30	45	61.7	156	7 M4.1	1234

3 PROVIDE WITH SPRING VIBRATION ISOLATORS, MIN. 2" DEFLECTION.

5 COOLING OPERATING RANGE: -22°F - 122°F HEATING OPERATING RANGE: -22°F - 86°F

# 

## **GENERAL NOTES**

NATE WITH ARCHITECT'S PLANS FOR ALL GRD COLORS AND FINISH PRIOR TO

GRD MODEL (MODULE AND NECK SIZE) BASED ON GRD TAG AND AIRFLOW PER PLANS.

FACE SIZE AS INDICATED FOR ALL HARD LID, SURFACE MOUNT DEVICES FULL DDULE FACE FOR ALL LAY-IN CEILINGS. CFM'S AS INDICATED ON PLANS. DIFFUSER BASED ON CEILING TYPE AND CFM MENTIONED ON PLAN PER

BOWDEN YOUNG REGULATOR FOR INACCESSIBLE CEILINGS AND AIR BALANCE ACE OF AIR DEVICE FOR INACCESSIBLE CEILINGS.

EVEL NOT TO EXCEED NC 25 (UNLESS OTHERWISE NOTED ON PLANS). DIFFUSERS AND REGISTERS ARE TO BE PROVIDED WITH REGISTER FACE TYPE CING DAMPERS UNLESS OTHERWISE NOTED ON PLANS.

	CEILING 4-WAY SUPPLY DIFFUSER (T-BAR)											
SYMBOL	MANUF & MOD	ACTURER EL NO.	TYPE	ROUND NECK SIZE (IN)	MODULE SIZE (IN. x IN.)	CFM RANGE	MAX NC	BORDER TYPE	MATERIAL	ASHRAE DIFFUSER CLASS	REMARKS	
$\langle A \rangle$	TITUS	РМС		6" Dia.	24"x24"	0 - 120	< 25	TYPE 3 T–BAR	STEEL	A – CEILING HORIZONTAL	1 SEE GRD NOTES.	
$\langle A \rangle$	TITUS	PCS	PERFORATED	8" Dia.	24"x24"	120 – 200	< 25	TYPE 3 T–BAR	STEEL	A – CEILING HORIZONTAL	(1) SEE GRD NOTES.	
$\langle A \rangle$	TITUS	PCS	CURVED BLADE MODULAR CORE SUPPLYCEILING	10" Dia.	24"x24"	200 – 300	< 25	TYPE 3 T–BAR	STEEL	A — CEILING HORIZONTAL	(1) SEE GRD NOTES.	
$\langle A \rangle$	TITUS	PCS	DIFFUSER	12" Dia.	24"x24"	300 - 410	< 25	TYPE 3 T–BAR	STEEL	A – CEILING HORIZONTAL	(1) SEE GRD NOTES.	
$\bigcirc$	TITUS	PCS		14" Dia.	24"x24"	410 - 535	< 25	TYPE 3 T–BAR	STEEL	A — CEILING HORIZONTAL	() SEE GRD NOTES.	
REMAR												

(1) 4-WAY THROW UNLESS OTHERWISE NOTED ON PLANS.

		CEILIN	NG 4-W	AY SUF	PLY D	IFFU	SER (		) LID)		
SYMBOL	MANUFACTURER & MODEL NO.	TYPE	NECK SIZE (IN x IN)	MODULE SIZE (IN. x IN.)	CFM RANGE	MAX NC	BORDER TYPE	MATERIAL	ASHRAE DIFFUSER CLASS	REMARKS	
B	TITUS PMC	MODULAR CORE SUPPLY CEILING		12"x12"	0 - 225	< 25	TYPE 6 HARD LID	STEEL	A — CEILING HORIZONTAL	12 SEE GRD NOTES.	
	REMARKS: 1 4-WAY THROW UNLESS OTHERWISE NOTED ON PLANS. 2 HARD-LID ADAPTER										

	WALL LOUVER SCHEDULE										
ITEM NO.	MANUFACTURER & MODEL NO.	FUNCTION	EQPT. SERVED	VOLUME (CFM)	FREE AREA (SQ. FT.)	SIZE W X H (INCHES)	FREE AREA VELOCITY (FT/MIN)	ANCHOR DETAIL	NOTES		
	GREENHECK ESD-635	OUTSIDE AIR INTAKE	FCU 1	125	0.28	16" x 12"	445	6 M4.2	123		
(-2)	GREENHECK ESD-635	OUTSIDE AIR INTAKE	FCU 3	60	0.28	16"X 12"	215	6 M4.2	123		
(-3)	GREENHECK ESD-635	OUTSIDE AIR INTAKE	FCU 4	150	0.28	16"X 12"	535	6 M4.2	123		
REMARKS	REMARKS: (1) LOUVER DIMENSIONS ARE FOR MINIMUM WALL OPENING. (3) BIRD SCREEN WITH STAINLESS STEEL WIRE MESH.										
ВА	2) BAKED ACRYLIC ENAMEL. COORDINATE COLOR WITH ARCHITECT.										

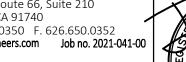


ENGINEER



PRITAL PATEL, P.E.





DATE



DRAWN BY: FN/WM/GM CHECK BY: PP DATE: 03/24/22 PROJECT: ICTC FILE NAME: LAST REVISED:

(7) COOLING ONLY. DISABLE HEATING OPTION.

PROJECT DESCRIPTION:	
CALEXICO INTERMODAL TRANSIT CENTER	

SHEET TITLE:

MECHANICAL SCHEDULES

143

		PLUMBING GEN	NERAL NOTES		WATE	ER C/
	1. COORDI TRADES		AD PIPING WITH HVAC DUCTWORK AND WORK OF OTHER	DOME	ESTIC W/	ATER
	2. ALL V.1	.R.'S SHALL TERMINATE AT MINIMUM C	DF 3'-0" FROM ALL VERTICAL SURFACES AND A ROM OR AT LEAST 3'-0" ABOVE ALL OUTSIDE AIR	FIXTURE	QUANTITY	FIXT
		ACTOR SHALL VERIFY EXACT SIZE AND	LOCATION OF ALL EXISTING SITE UTILITIES AND PROPER SLOPE MAY BE OBTAINED BEFORE BEGINNING	WATER CLOSET (PRIVATE)	3	
	WORK.		DRAIN LINES SHALL HAVE A 2% SLOPE UNLESS	WATER CLOSET (PUBLIC)	1	
	5. TERMIN	VISE NOTED. ATE ALL OVERALL DRAIN LINES TO DA	YLIGHT WITH DOWNSPOUT NOZZLE WITH NICKEL	LAVATORY (PRIVATE)	3	
	6. COORDI		- AND OVERFLOW DRAIN LINE TERMINATION WITH	LAVATORY (PUBLIC)	1	
		ECTURAL DRAWINGS. AB PENETRATIONS SHALL BE SEALED (	USING POURABLE URETHANE SEALANT.	SINK (PRIVATE)	1	
			BLE FIXTURES WITH ARCHITECTURAL DRAWINGS.	MOP/ SERVICE SINK (PUBLIC)	1	
	WITH 1,	/2" THICK INSULATION ON 1/2" PIPING	5, 1" THICK FOR 3/4" AND LARGER PIPING.	HOSE BIBB (EXTERIOR)	2	(1@1
	AND AN		AND NUTS TO ISOLATE ALL FIXTURES. VALVES SHALL	DRINKING FOUNTAIN	2	
		E ACCESS PANELS FOR ANY VALVES ( SOLID CEILINGS OR IN WALLS.	OR SIMILAR EQUIPMENT REQUIRING ACCESS LOCATED	TOTAL		
		COJECT SHALL BE IN CODE COMPLIANCI RNIA PLUMBING CODE WITH LOCAL AME	E WITH THE LATEST CALIFORNIA BUILDING CODE AND ENDMENTS.	(FLUSH VALVE FIXTURE U	JNITS)	
		UMBING FIXTURES MUST COMPLY WITH UMBING FIXTURES FOR DOMESTIC WATE				
	1. ALL MF	CHANICAL AND ELECTRICAL EQUIPMENT	<b>ESIGN CRITERIA</b> T SHALL BE ANCHORED OR BRACED TO MEET THE	WATER PRESSURE:	YDRAULI	C WA
	HORIZO ASCE 7 2. THE AT	NTAL AND VERTICAL FORCES PRESCRIE '-05, SECTIONS 13.3, 13.4 AND 13.6. TACHMENT OF THE FOLLOWING ITEMS S	BED IN THE LATEST CBC, SECTION 1614A.1.13 AND SHALL BE DESIGNED TO RESIST THE FORCES	STATIC PRESS. AT STR RESIDUAL PRESS. AT S		
	2.1. EQU		UNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.	BUILDING DEMAND:		
	2.3. TEM 2.4. EQU 2.5. EQU	IPORARY OR MOVABLE EQUIPMENT. JIPMENT WEIGHING LESS THAN 20 POU	N ACCORDANCE WITH PART 2, TITLE 24, C.C.R. NDS SUPPORTED BY VIBRATION ISOLATORS. NDS SUSPENDED FROM A ROOF, FLOOR OR HUNG	TOTAL DEMAND	35	FIXTURE
	SHALL REPRES PIPING 1. PIPING DEFINE 2. THE BR PRE-AF	BE SUBJECT TO THE APPROVAL OF THE SENTATIVE OF THE BUILDING INSPECTOR BRACING NOTES: SHALL BE BRACED TO RESIST THE FOI D IN ASCE 7-05, SECTIONS 13.6.8, 13 ACING AND ATTACHMENTS TO THE STR	RCES PRESCRIBED IN ASCE 7-05, SECTION 13.3 AS .6.7, AND 13.6.5.5, ITEM 6, RESPECTIVELY. RUCTURE SHALL COMPLY WITH ONE OF THE OSHPD MASON INDUSTRIES (OPA 349), OR ISAT (OPA 485)	PRESSURE LOSSES: SITE METER – 2" BACKFLOW DEVICE PRE OTHER PRESSURE DRO SITE STATIC <u>3</u> BUILDING STATIC RESIDUAL REQUIRED (F	P x0.433 7x0.433	
		OF THE MANUAL SHALL BE ON THE J RACING THE PIPE.	JOBSITE PRIOR TO THE COMMENCEMENT OF HANGING	TOTAL LOSSES	,	
		RUCTURAL ENGINEER OF RECORD SHAL RT THE HANGER AND BRACE LOADS.	LL VERIFY THE ADEQUACY OF THE STRUCTURE TO			
				PIPING SIZED ON	FOR LOSSES NGTH FT. <u>237 F</u> T.	LOSS: 
NO.	BY:	REVISION COMMENTS	CITY OF CALEXIO	APPROVED BY:		
			CONTINUE CONTIN	MENT		

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CALCUL	ATION					PLUMBING LEGE	END		
								SHT.NO.	
	JRE UNIT			SYMBOL	ABBREVIATION		DESCRIPTION	P0.1	PLUMBING GENERAL NOTES, CO
CW	REQUIRED EA. HW	FIXTURE UI CW	NIT TOTAL		CW	COLD WATER		P0.2	PLUMBING SCHEDULES
5	_	15	_	(E)CW	(E)CW	EXISTING COLD WATER		P1.1 P2.1	PLUMBING SITE PLAN PLUMBING FLOOR PLANS
					- HW	HOT WATER		P2.1	PLUMBING ROOF PLANS
5	_	5	_	(E)HW	(E)HW	EXISTING HOT WATER		P3.1	PLUMBING DETAILS
1	1	3	-		· V	SANITARY VENT		P3.2	PLUMBING DETAILS
1	1	1	_		W OR SS	WASTE OR SANITARY SEWER		P4.1	RISER DIAGRAMS
				(E)SS	(E)SS	EXISTING SANITARY SEWER			
2	2	2	-	CD	CD CD	CONDENSATE DRAIN			
3	3	3	_	SCD X	SCD SOV	SECONDARY CONDENSATE DF	TAIN		
				ю́		BALL VALVE			APP
1@1)+2.5	_	3.5	-		HB	HOSE-BIBB			ONSTRUCTION OF THIS PROJECT S
1	-	2	-	0++0+		PIPE-UP OR RISER			
		75				PIPE-DOWN OR DROP			IISTRATIVE CODES —THE 2019 CAL EGULATIONS (CCR) TITLE 24).
		35	_			UNION			ING CODE – 2019 CALIFORNIA BU
				Φ	FCO	FLOOR CLEANOUT		ON 20	018 INTERNATIONAL BUILDING COD
					WCO	WALL CLEANOUT			RICAL CODE – 2109 CALIFORNIA D17 NATIONAL ELECTRICAL CODE F
				(E)		EXISTING			ANICAL CODE -2019 CALIFORNIA
						CAP OR PLUG		ON 20	ANICAL CODE -2019 CALIFORNIA   D18 UNIFORM MECHANICAL CODE F ANICAL OFFICIALS (IAPMO)
				$\bigcirc$		REMODEL KEY NOTE			BING CODE – 2019 CALIFORNIA PI
				<b>4</b>	-	FLOW ARROW			UNIFORM PLUMBING CODE PUBLISI
					-	INCREASER/REDUCER			CODE - 2019 CALIFORNIA FIRE CO
									NATIONAL FIRE CODE PUBLISHED I
								WHICH	NG BUILDING CODE - 2019 CALIF I IS BASED ON 2018 INTERNATION
ATER (		TION			DOME	ESTIC COLD WA <sup>-</sup>	TER SIZING	CODE	COUNCIL (ICC).
				PIPE SIZE		FIXTUF	RE UNITS		
		= <u>60</u>				FLUSH TANK	FLUSH VALVE		
		=52	PSI	1/2"		1	_		
				· · · · · · · · · · · · · · · · · · ·		·			
RE UNIT (FU)		=44	GPM	3/4"		6	_		
				1"		15	_		
				1 1/4"		28	_		
		= 1.5	PSI — PSI*			20	_		
		= 15	PSI	1 1/2"		54	13		
		= 1.3	PSI	2"		187	83		
		= 3	PSI						
		= 25 = 43.3	PSI PSI			PIPE MATERIAL:	TYPE L COPPER		
						MAXIMUM ACCEPTABLE P	PRESSURE LOSS: 3.5 PSI/100 FT		
						MAXIMUM ACCEPTABLE VE	ELOCITY: 5 FT./SEC.		
52-43.3	_	= 8.2	PSI						
8 x1.5 (F	FITTINGS)	= 237	FEET						
		= 3.5	PSI/100'						
PE FRICTION I	LOSS &								
SEAL:	APP	ROVED BY:			ENGINEER OF	WORK:	SEAL:	DRAWN BY: FN/WM/GM	PROJECT DESCRIP
								CHECK BY: PP	
			<b>Ň</b> ľ		ENGI	S         2100 East Route 66, Suite 2           Glendora, CA 91740         1. 626.650.0350           N E E R S         www.pbsengineers.com         Job n	0.0352 no. 2021-041-00	DATE: 03/24/22	CALEXICO INTERN TRANSIT CENT
							H H M33827 ★ EXP. 06-30-2023 ★	PROJECT: ICTC	
							DATE OF CALIFOR	FILE NAME: LAST REVISED:	
	ENG	GINEER		DATE	PRITAL PATEL, P.E		DATE		

END		SHE	ET INDEX	
DESCRIPTION	SHT.	NO.	DESCRIPTION	
	P0.1	, , , ,	END AND SHEET INDEX	
	P0.2 P1.1			
	P2.1	PLUMBING FLOOR PLANS		
	P2.2			
	P3.1 P3.2			
?	P4.1			
RAIN				
		APPLICA	BLE CODES	
	ть	E CONSTRUCTION OF THIS PROJECT SHALL CO	NFORM TO THE REQUIREMENTS OF:	
		DMINISTRATIVE CODES - THE 2019 CALIFORNIA	ADMINISTRATIVE CODE (PART 1 OF CALIFORN	NA CODE
		F REGULATIONS (CCR) TITLE 24). JILDING CODE – 2019 CALIFORNIA BUILDING CO		
		N 2018 INTERNATIONAL BUILDING CODE PUBLIS		
		ECTRICAL CODE – 2109 CALIFORNIA ELECTRICA N 2017 NATIONAL ELECTRICAL CODE PUBLISHEE		
	10	ECHANICAL CODE —2019 CALIFORNIA MECHANIC N 2018 UNIFORM MECHANICAL CODE PUBLISHEE ECHANICAL OFFICIALS (IAPMO)	AL CODE (PART 4 OF CCR TITLE 24), WHICH BY INTERNATIONAL ASSOCIATION OF PLUMI	H IS BASED BING AND
		LUMBING CODE – 2019 CALIFORNIA PLUMBING 018 UNIFORM PLUMBING CODE PUBLISHED BY (		BASED ON
		RE CODE – 2019 CALIFORNIA FIRE CODE (PAR TERNATIONAL FIRE CODE PUBLISHED BY INTERN		2018
	E>	KISTING BUILDING CODE – 2019 CALIFORNIA EX	ISTING BUILDING CODE (PART 10 OF CCR TI	TLE 24).
TER SIZING		HICH IS BASED ON 2018 INTERNATIONAL EXISTI ODE COUNCIL (ICC).	NG BUILDING CODE PUBLISHED BY INTERNAT	IONAL
RE UNITS				
FLUSH	VALVE			
-				
_				
-				
-				
13	5			
83	3			
TYPE L C	COPPER			
PRESSURE LOSS: 3.5 PSI,	/100 FT.			
/ELOCITY: 5 FT./S	SEC.			
				P0.1
SEAL:	DRAWN BY: FN/WM	/GM PROJECT DESCRIPTION:	SHEET TITLE:	SHEET:
210 PROFESS	CHECK BY: PP			
50.0352 no. 2021-041-00	DATE: 03/24/22	CALEXICO INTERMODAL TRANSIT CENTER	PLUMBING GENERAL NOTES,	133
₩	PROJECT: ICTC		CODES, LEGEND AND SHEET INDEX	OF
CHAN!	FILE NAME:			143

NO.	BY:	REVISION COMMENTS			APPROVED BY:	
				CITY OF CALEXICO COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION		
			CALEXICO Win Games (or Press Pro-	608 Heber Avenue • Calexico, CA 92231•Tel: 760.768.2100 • Fax: 760.768.0854 engineering@calexico.ca.gov • www.calexico.ca.gov	ENGINEER	DATE

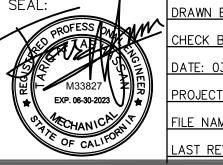
					<b>FIX</b>	ΓURE	SCH	IEDU	LE	
EQUIP.		MANUFACTURER	FIXTURE CONNECTIONS			CTIONS		REMARKS		
TAG	DESCRIPTION	LOCATION	AND MODEL NO.	TRAP	WASTE	VENT	HOT WATER	COLD WATER		
WC-1	WATER CLOSET (ACCESSIBLE)	STAFF RESTROOMS	AMERICAN STANDARD 3351.528	INT	4"	2"		1 1/2"	1.28 GPF FLUSHOMETER TOILET SYSTEM. WALL-MOUNTED. HIGH-EFFICIENCY. FLUSH VALVE: MODEL NO. 6065.121, BATTERY-POWERED BY FACTORY INSTALLED LITHIUM BATTERY. CARRIER: J. R. SMITH, MODEL 0115, SINGLE AND DOUBLE, ADJUSTABLE FIXTURE SUPPORTS.	
WC-2	WATER CLOSET (ACCESSIBLE)	PUBLIC RESTROOM	ACORN 1696-W-1	INT	4"	2"		1 1/2"	WALL-MOUNT, ELONGATED STAINLESS-STEEL BOWL, BLOWOUT JET, 1.6 GPF. FLUSH VALVE: SLOAN, ROYAL 151, MANUAL FLUSHOMETER VALVE, CONCEALED, 1.6 GPF. CARRIER: J. R. SMITH, MODEL 0330, ADJUSTABLE SUPPORT.	
L—1	LAVATORY (ACCESSIBLE)	STAFF RESTROOMS	KOHLER MODEL NO. K-2005-0	1-1/2"	2"	2"	3/4"	3/4"	WALL-MOUNT LAVATORY, WHITE, 4" CENTERS. P-TRAP: MODEL NO. K-8998-CP. FAUCET: KOHLER MODEL NO. K-13460-CP, SENSOR-OPERATED AND TEMPERATURE MIXER, BATTERY POWERED, PROVIDE WITH ESCUTCHEON MODEL NO. K-13478-A-CP. PROVIDE "TRU-BRO" UNDERSINK PIPE PROTECTION.	
L-2	LAVATORY (ACCESSIBLE)	PUBLIC RESTROOM	ACORN 1652LRB-1-DMS-04-M	1-1/2"	2"	2"	3/4"	3/4"	WALL-MOUNT LAVATORY, 14-GA, TYPE 304 STAINLESS-STEEL, 18", ADA, DECK MOUNTED SPOUT, HOT & COLD METERING, WALL WASTE OUTLET, WITH WALL MOUNTING HARDWARE. MIRROR: ACORN MODEL NO. 1812, HANDICAPPED FRAMED SECURITY MIRROR, 14-GA, TYPE 304 STAINLESS STEEL FRAME.	
S–1	SINK	BREAK ROOM	JUST SINK, MODEL NO. SL-ADA-1921-A-GR	1-1/2"	2"	2"	3/4"	3/4"	STAINLESS STEEL, 6-1/2" DEEP SINGLE BOWL, LEDGE TYPE. CENTER-REAR DRAIN LOCATION, ACCOMMODATE FOOD DISPOSER. FAUCET: CHICAGO MODEL NO. 431-ABCP, DECK-MOUNTED MANUAL 8" CENTERS, SWING-SPOUT, NON-AERATING 1.5 GPM, VANDAL-PROOF LEVER HANDLE. FOOD DISPOSER: INSINKERATOR, BADGER 1, 1/3HP, 120V, 60HZ, 1725 RPM, 5.6 AMP.	
MS-1	MOP SINK	JANITOR ROOM	KOHLER WHITBY NO. K-6710	3"	3"	2"	3/4"	3/4"	FLOOR MOUNTED CORNER MOP SINK, WHITE, 28"X28" WITH RIM GUARD, KOHLER #K—8940. FAUCET: AMERICAN STANDARD MODEL NO. 8345.115, WALL MOUNTED MOP SINK FAUCET.	
FD-1	FLOOR DRAIN	STAFF RR, PUBLIC RR, JANITOR ROOM	J. R. SMITH MODEL NO. 2009	2"	2"	2"		1/2" TP	CAST IRON ROUND RECEPTOR, FLASHING COLLAR, ADJUSTABLE STRAINER, SEEPAGE HOLES, NICKEL BRONZE STRAINER AND VANDAL PROOF SECURED GRATE, HEEL PROOF PROVIDE WITH TRAP PRIMER CONNECTION AS REQUIRED.	
HB-1	WALL HYDRANT (INTERIOR AND EXTERIOR)	EXTERIOR	ACORN MODEL NO. 8151					3/4"	RECESSED WALL HOSE BOX WITH VACUUM BREAKER. 18 GAUGE, 304 STAINLESS STEEL BOX, DOOR, AND FRAME, SATIN FINISH, DOOR WITH CAM LATCH, CARTRIDGE OPERATED VALVE, SCREWDRIVER STOP, DUAL CHECK VALVES, NON-FREEZE.	
TP-1	TRAP PRIMER	STAFF RR, PUBLIC RR JANITOR ROOM	PRECISION PLUMBING PRODUCTS, MODEL NO. PR-500					1/2"	PROVIDE WITH DISTRIBUTION UNIT AS REQUIRED FOR TWO (2) DRAINS. TRAP PRIMER SHALL BE CONSTRUCTED OF CORROSION RESISTANT BRASS. PROVIDE ACCESS PANEL AT STAFF RESTROOMS.	
WHA-1	WATER HAMMER ARRESTOR	STAFF RR, PUBLIC RR	PRECISION PLUMBING PRODUCTS MODEL NO. SC SERIES					AS REQ.	BARREL FABRICATED OF TYPE & HARD DRAWN COPPER, BRASS PISTON, "O" RING EPDM SEAL, INSTALL AT EACH PLUMBING FIXTURE OR BATTERY OF PLUMBING FIXTURE. INSTALL ON BOTH HOT AND COLD WATER BRANCH LINES IN AN UP RIGHT POSITION AS CLOSE AS POSSIBLE TO THE VALVE OR VALVES BEING SERVED. SIZE AND LOCATION PER P.D.I. STANDARD WH-201	
RD-1	ROOF AND OVERFLOW DRAIN	ROOF	J. R. SMITH MODEL NO. 1830Y						ROOF AND OVERFLOW DRAIN WITH DECK TOP MOUNTING PLATE, 3" DIAMETER DRAIN NO-HUB PIPING, DUCO-CAST IRON BODY, GRAVEL STOP FOR ROOF DRAIN AND EXTERNAL DAM FOR OVERFLOW DRAIN, GALVANIZED CAST-IRON DOME.	
BFP-1	BACKFLOW PREVENTER	EXTERIOR	ZURN MODEL NO. 975XL2					2"	LEAD-FREE CAST BRONZE, STAINLESS STEEL FASTENERS, STAINLESS STEEL BALL VALVES, MAX. WORKING PRESSURE: 175 PSI. AIR-GAP.	
DF-1	DRINKING FOUNTAIN	BREAK ROOM & SECURITY AREA	OASIS MODEL NO. PG8EBFSL	INT.	2"	2"		3/4"	VANDAL-RESISTANT BOTTLE FILLING STATION & BI-LEVEL COOLER FILTERED REFRIGERATED STAINLESS STEEL TYPE. 115V/60HZ, LAMINAR FLOW.	

	PLUMBING EQUIPMENT SCHEDULE							
ITEM	TYPE	DESCRIPTION						
WH-1	INSTANTANEOUS WATER HEATER - STAFF RR LAVATORIES & BREAK ROOM SINK	CHRONOMITE INSTANT FLOW C-MICRO MODEL NO. CM-12L/120. LOW ACTIVATION. 120VOLTS 12AMPS 1440 WATT POWER REQUIREMENT. CAPABLE OF 20°F RISE @ .5 GPM. TOTAL WEIGHT 5 LBS.						
WH-2	INSTANTANEOUS WATER HEATER - PUBLIC RESTROOM LAVATORY	CHRONOMITE INSTANT FLOW C-MICRO MODEL NO. CMI-12L/120. LOW ACTIVATION. 120VOLTS 12AMPS 1440 WATT POWER REQUIREMENT. CAPABLE OF 20°F RISE @ .5 GPM. TOTAL WEIGHT 5 LBS.						
WH-3	INSTANTANEOUS WATER HEATER - JANITOR MOP SINK	CHRONOMITE MODEL NO. R-48L/208. LARGE CAPACITY. 208 VOLTS 48 AMPS 10000 WATTS POWER REQUIREMENT. CAPABLE OF 27 RISE @ 1.5 GPM. TOTAL WEIGHT 10 LBS.						

PIPE MATERIAL TABLE								
SERVICE	PIPE	FITTINGS	REMARKS					
DOMESTIC HOT AND COLD WATER SYSTEM	SEAMLESS COPPER TUBING, TYPE L ABOVE GROUND, DRAWN TEMPER, ASTM B88.	WROUGHT COPPER, SOLDER – JOINT, ANSI B16.22 OR CAST BRONZE ANSI B16, 23, ANSI 16, 18	JOINTS: 95 – 5 (TIN AND ANTIMONY) SOLDER. ALL EXPOSED WATER PIPING AT PLUMBING FIXTURES SHALL BE CHROME PLATED. PROVIDE PIPE INSULATION WHEN EXPOSED.					
WASTE, VENT & STORM	STANDARD WEIGHT CAST IRON NO-HUB TYPE SOIL PIPE, TYLER WIDE BODY OR EQUAL	STANDARD WEIGHT CAST IRON NO-HUB TYPE SOIL FITTINGS WITH NEOPRENE GASKET AND STAINLESS STEEL BANDS AND SHIELD, NO-HUB	NSF LISTED					
CONDENSATE DRAINAGE	SEAMLESS COPPER TUBING, TYPE L ABOVE GROUND, DRAWN TEMPER, ASTM B88.	WROUGHT COPPER, SOLDER – JOINT, ANSI B16.22 OR CAST BRONZE ANSI B16, 23, ANSI 16, 18	JOINTS: 95 – 5 (TIN AND ANTIMONY) SOLDER. PROVIDE PIPE INSULATION INSIDE THE BUILDING.					



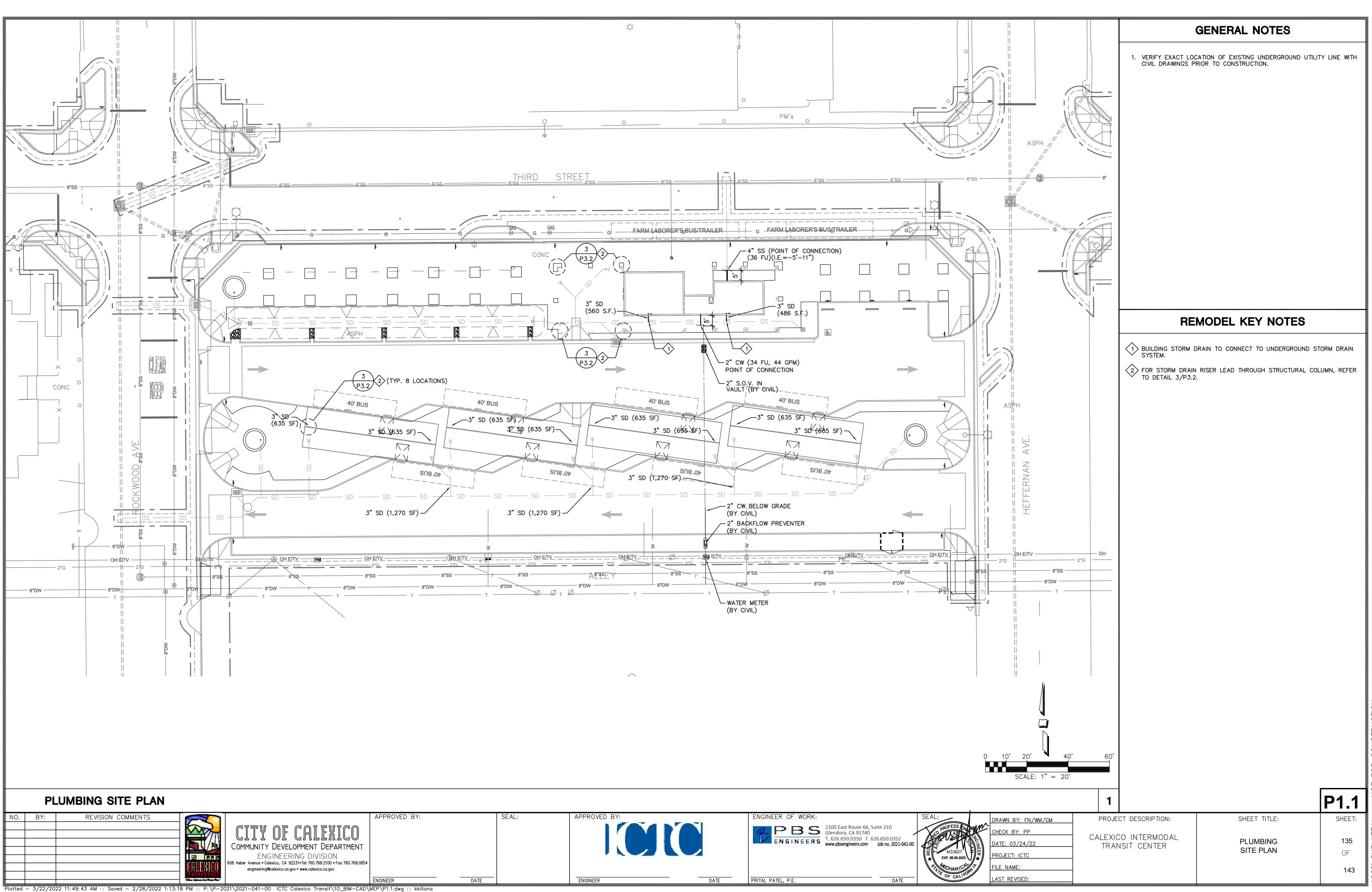


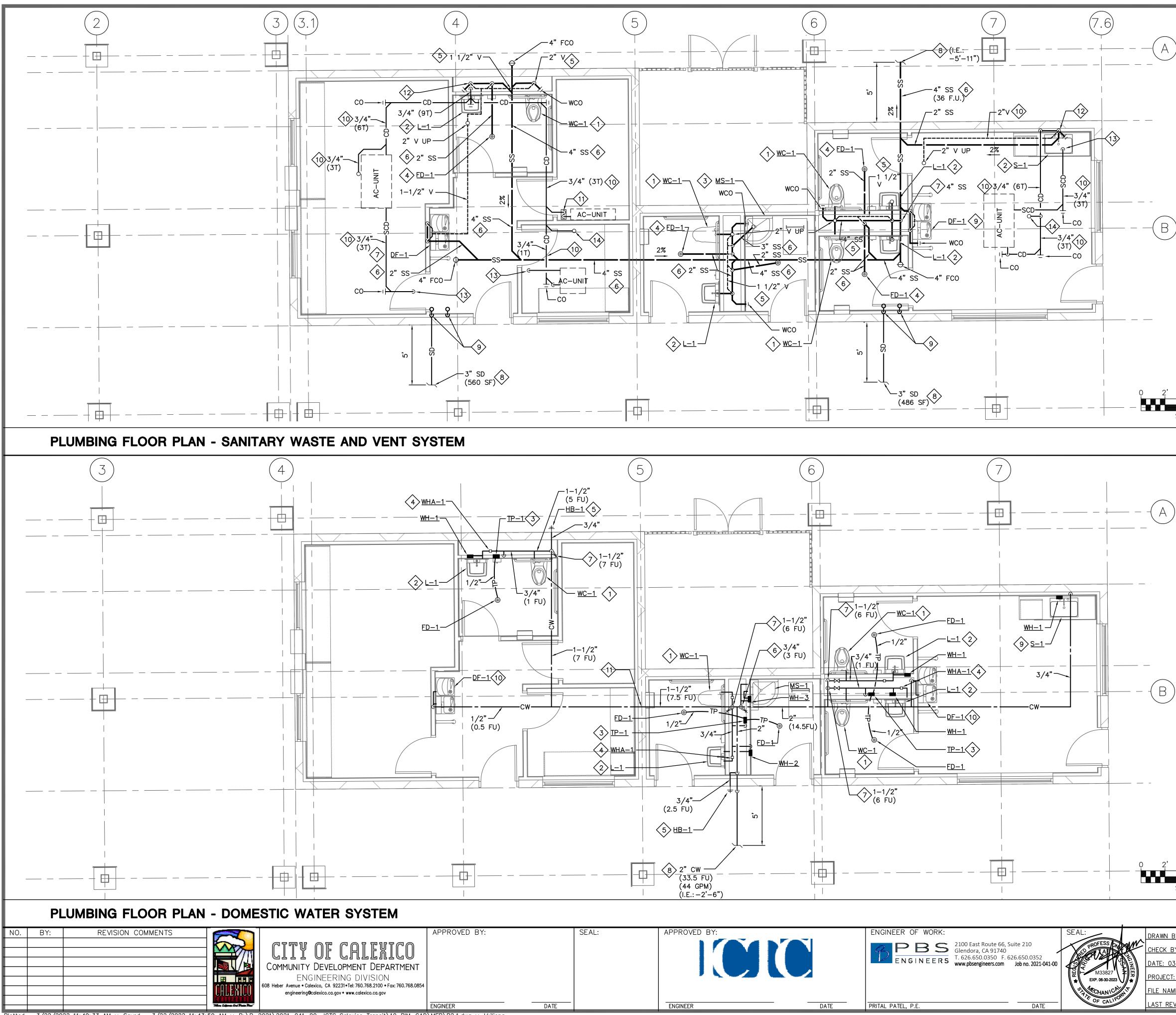


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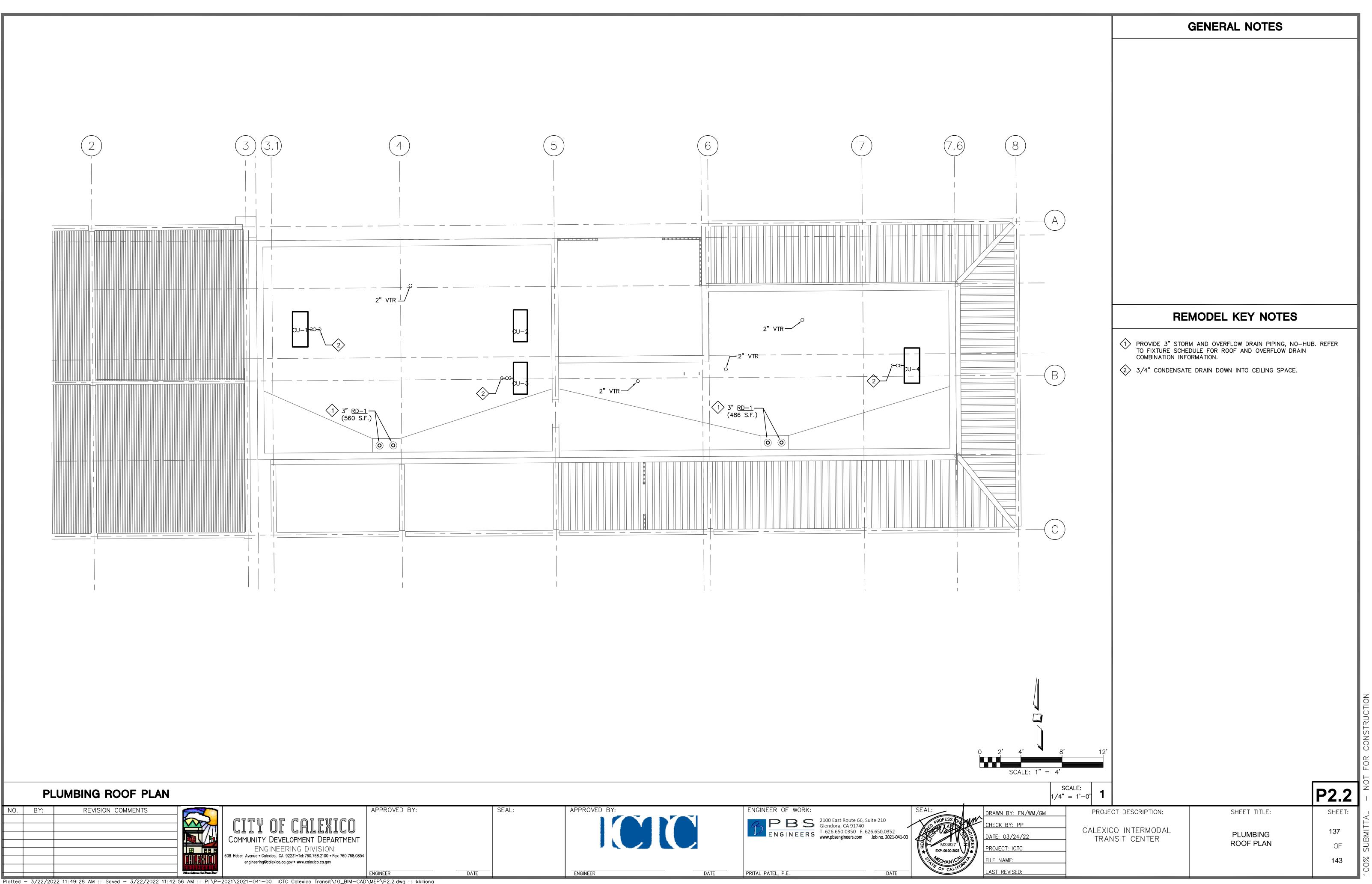
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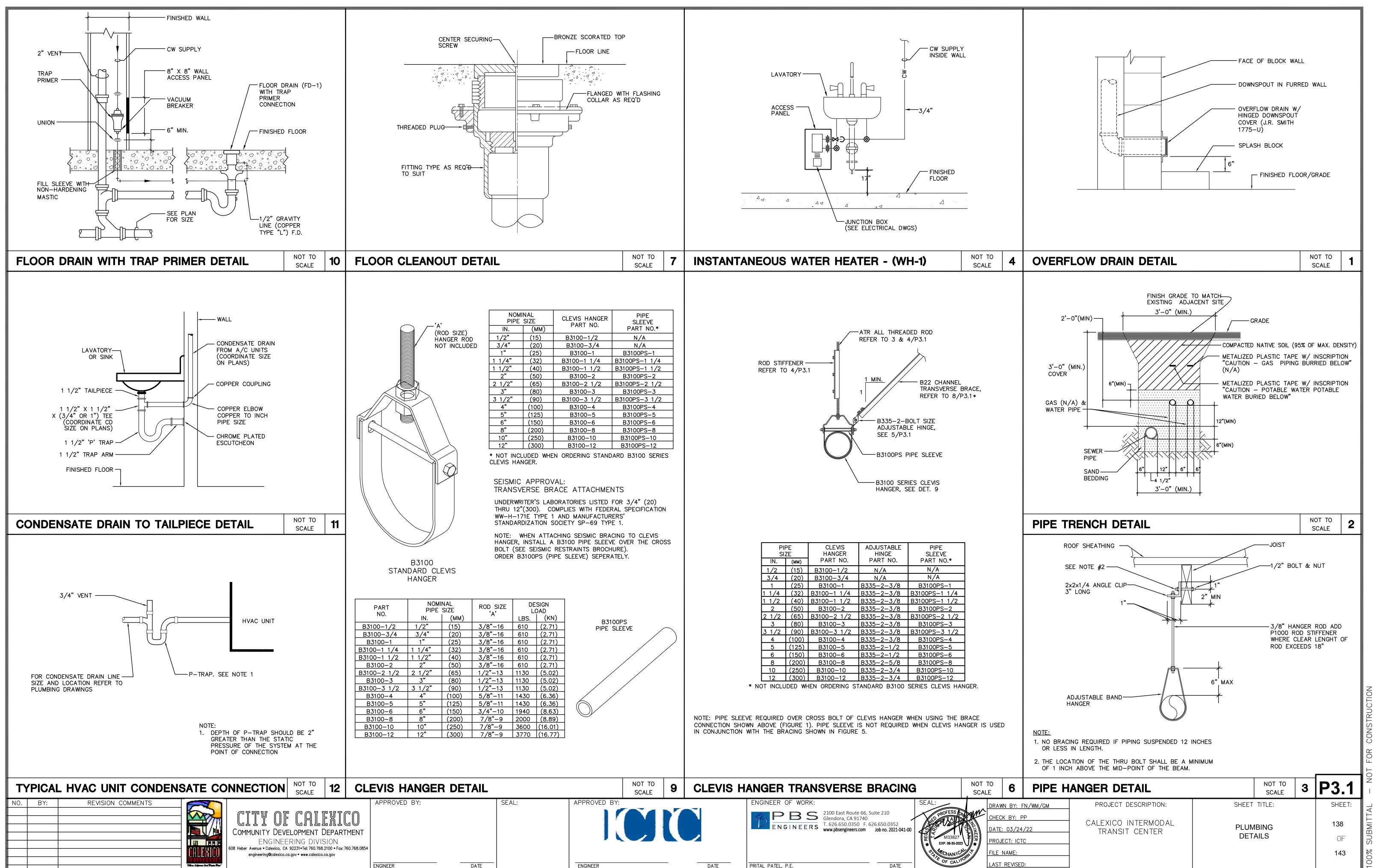
			P0.2
BY: FN/WM/GM	PROJECT DESCRIPTION:	SHEET TITLE:	SHEET:
BY: PP			
3/24/22	CALEXICO INTERMODAL TRANSIT CENTER	PLUMBING SCHEDULES	134
			OF
ME:			143
VISED:			



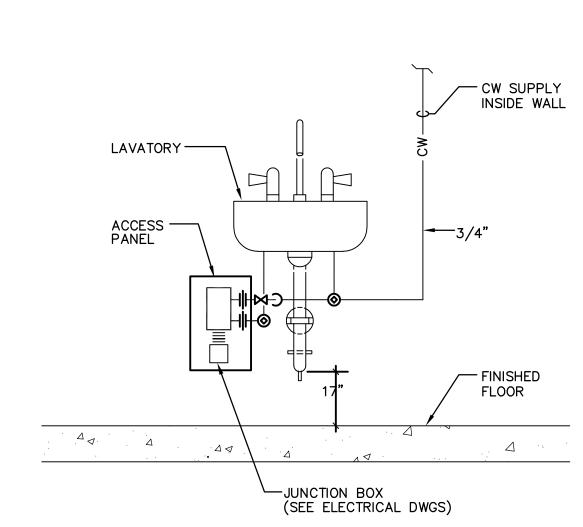


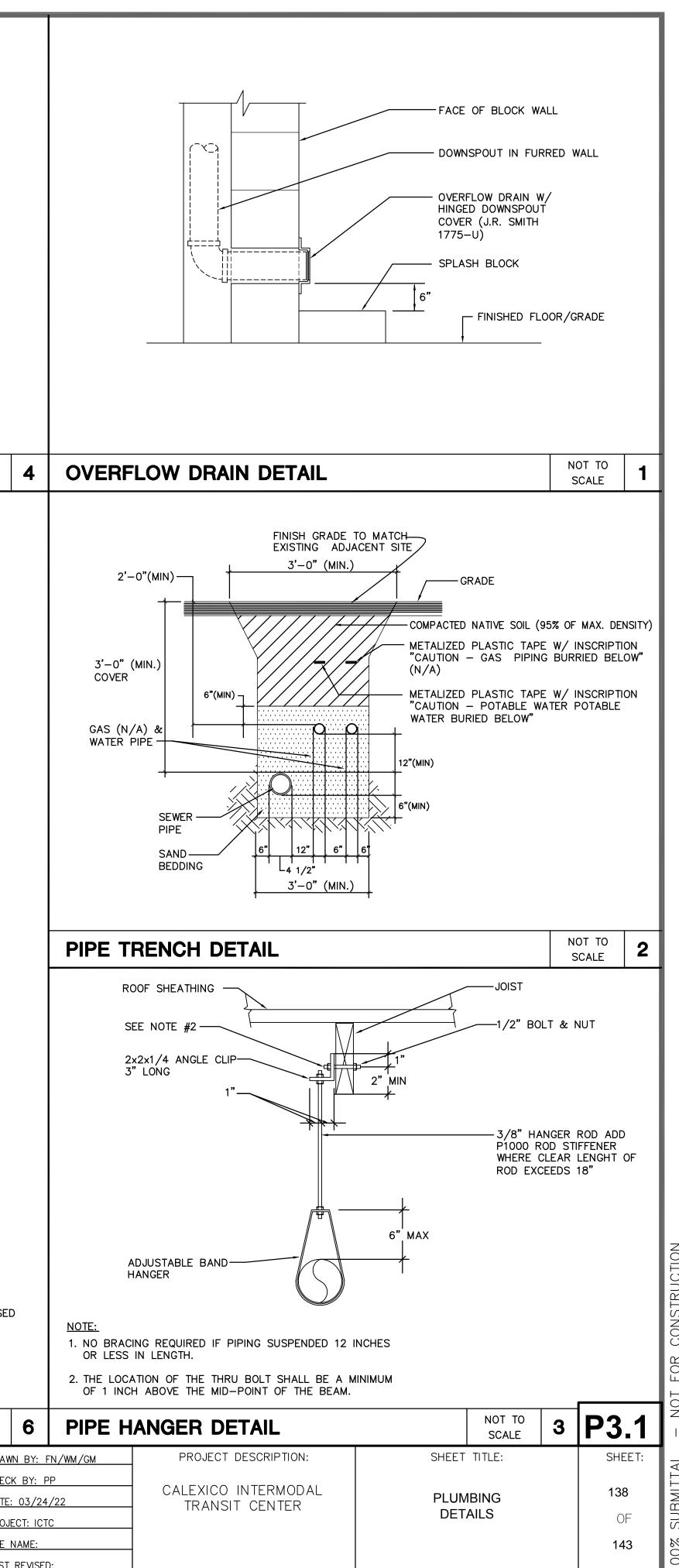
		(	GENERAL NOTES	
			VE AND FIRE CAULKING TO ALL PIPE WA	LL
/		PENETRATIONS.		
/				
		CONS	TRUCTION KEY NOTES	<u> </u>
		SANITARY WASTE AND	VENT SYSTEM:	
		$\overset{\sim}{\sim}$	TARY SEWER AND 2" VENT TO WATER CL	· · ·
		✓ (L−1)/SINK (S−1)		
		$\overset{\sim}{\sim}$	TARY SEWER AND 2" VENT TO MOP SINK	· ·
4' 8'	12'	✓ (FD−1).	HASE ABOVE GROUND.	
SCALE: 1" = 4'		6 PIPING BELOW GR		
	CALE: = 1'-0" <b>2</b>	$\stackrel{\sim}{\cancel{7}}$ PROVIDE 2" SANIT (DF-1).	TARY SEWER AND $1-1/2$ " VENT TO DRIN	KING FOUNTAIN
l`	<u></u>	^ · · ·	N, SEE SITE PLAN, DRAWING P1-01.	
X		INTO FURRED WAL	AND 3" OVERFLOW DRAIN FROM ABOVE .L. STORM DRAIN TO BELOW GRADE OUT, OVERFLOW DRAIN TO SPILL AT FACE OF 1 OOR.	, SPILL AT
)		DIPING ABOVE CEI		
		$\sim$	NDENSATE DRAIN UP FROM PUMP. IN TO CONNECT TO TAIL PIECE.	
		$\checkmark$	ENSATE DRAIN TO DISCHARGE 2" BELOW	CEILING TILE.
		^	IN FROM CONDENSATE UNIT ON ROOF.	
		DOMESTIC WATER SYST	<u>EM:</u>	
		^	COLD WATER TO WATER CLOSET (WC-1).	
		WATER TO INSTAN	LD WATER TO LAVATORY (L-1). BRANCH ITANEOUS WATER HEATER (WH-1). PROV HOT WATER TO LAVATORY FAUCET.	
)			LD WATER TO TRAP PRIMER (TP-1). RUN M TRAP PRIMER TO FLOOR DRAIN (FD-1 ON.	
		$\sim$	WATER HAMMER ARRESTOR. LD WATER TO HOSE BIBB (HB-1).	
		6 PROVIDE 1" COLD	WATER RISER WITH SHUT-OFF VALVE A	
		VALVE. BRANCH 3 INSTANTANEOUS V	5–1). PROVIDE ACCESS PANEL FOR THE 3/4" COLD WATER AND CONNECT TO WATER HEATER (WH–2). PROVIDE 3/4" C TO MOP SINK FAUCET.	
		PROVIDE 1-1/2" ACCESS PANEL.	COLD WATER RISER WITH SHUT-OFF VAL	VE AND
			N, SEE SITE PLAN, DRAWING P1-01.	
		💛 WATER TO INSTAN	LD WATER TO SINK (S-1). BRANCH 1/2 ITANEOUS WATER HEATER (WH-2). PROV HOT WATER TO SINK FAUCET.	
, , , , , , , , , , , , , , , , , , ,		O PROVIDE 3/4" CO	LD WATER DROP IN WALL TO DRINKING I	FOUNTAIN
	12'	(DF-1). (1) provide pipe sle	EVE AND FIRE CAULKING AS REQUIRED.	
SCALE: 1" = 4'	CALE:			
	= 1'-0" <b>1</b>			P2.1
BY: FN/WM/GM BY: PP		CT DESCRIPTION:	SHEET TITLE:	SHEET:
3/24/22		O INTERMODAL ISIT CENTER	PLUMBING FLOOR PLANS	136 OF
T: ICTC ME:				0F 143
WISED:				



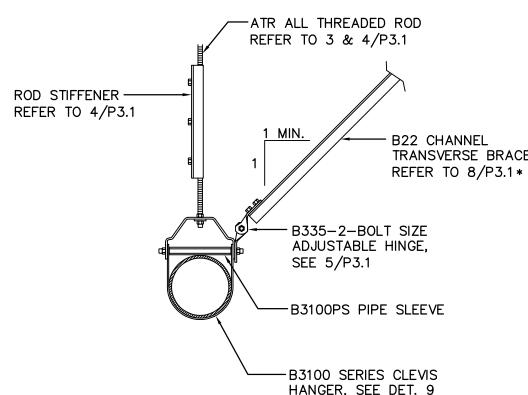


Plotted - 3/22/2022 11: 49: 22 AM :: Saved - 10/1/2021 3: 14: 24 PM :: P:\P-2021\2021-041-00 ICTC Calexico Transit\10\_BIM-CAD\MEP\P3.1.dwg :: kkiliona



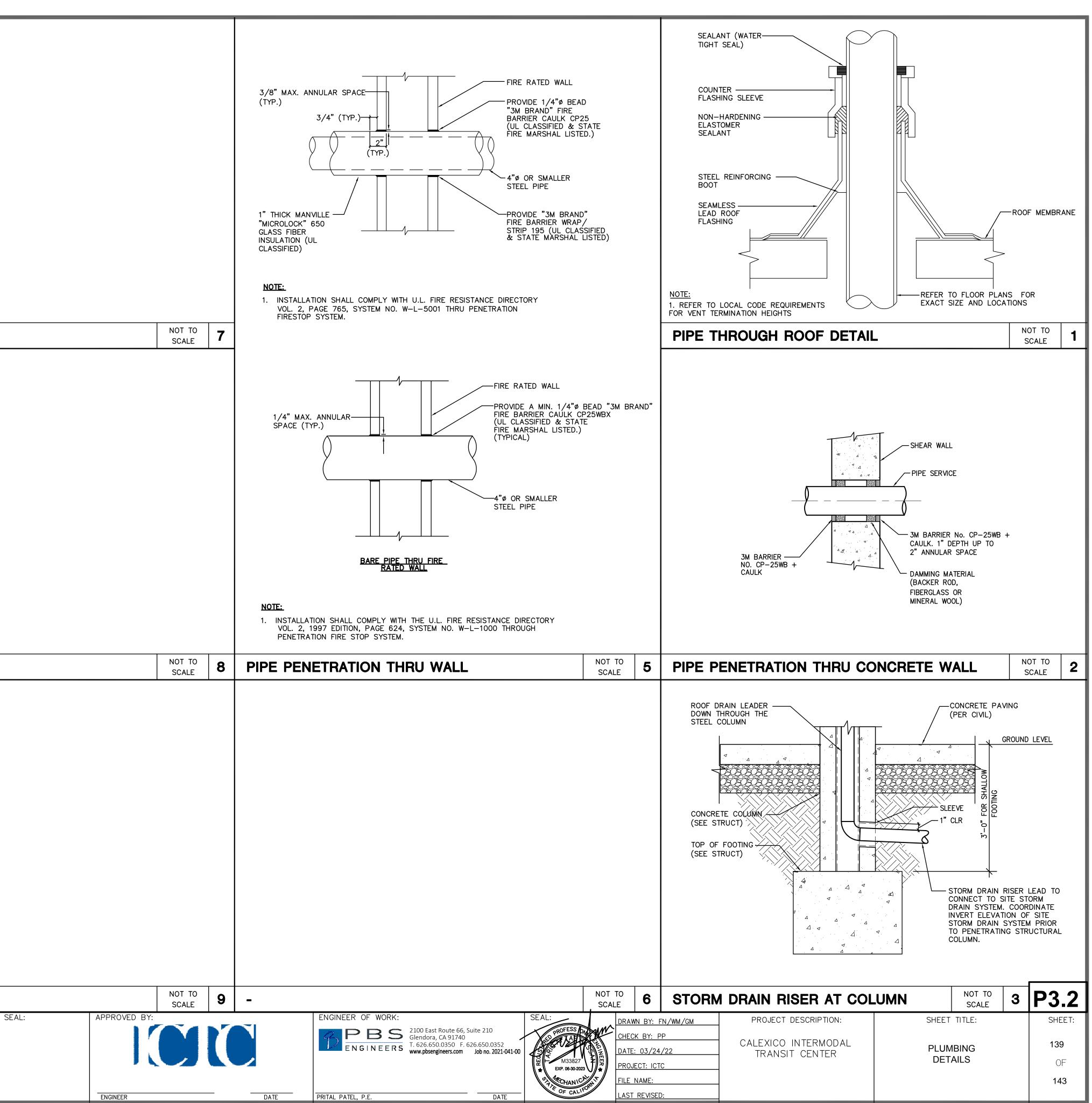


	IINAL SIZE	CLEVIS HANGER	
IN.	(MM)	PART NO.	SLEEVE PART NO.*
1/2"	(15)	B3100-1/2	N/A
3/4"	(20)	B3100-3/4	N/A
1"	(25)	B3100-1	B3100PS-1
1/4"	(32)	B3100-1 1/4	B3100PS-1 1/4
1/2"	(40)	B3100-1 1/2	B3100PS-1 1/2
2"	(50)	B3100-2	B3100PS-2
1/2"	(65)	B3100-2 1/2	B3100PS-2 1/2
3"	(80)	B3100-3	B3100PS-3
1/2"	(90)	B3100-3 1/2	B3100PS-3 1/2
4"	(100)	B3100-4	B3100PS-4
5"	(125)	B3100-5	B3100PS-5
6"	(150)	B3100-6	B3100PS-6
8"	(200)	B3100-8	B3100PS-8
10"	(250)	B3100-10	B3100PS-10
12"	(300)	B3100-12	B3100PS-12

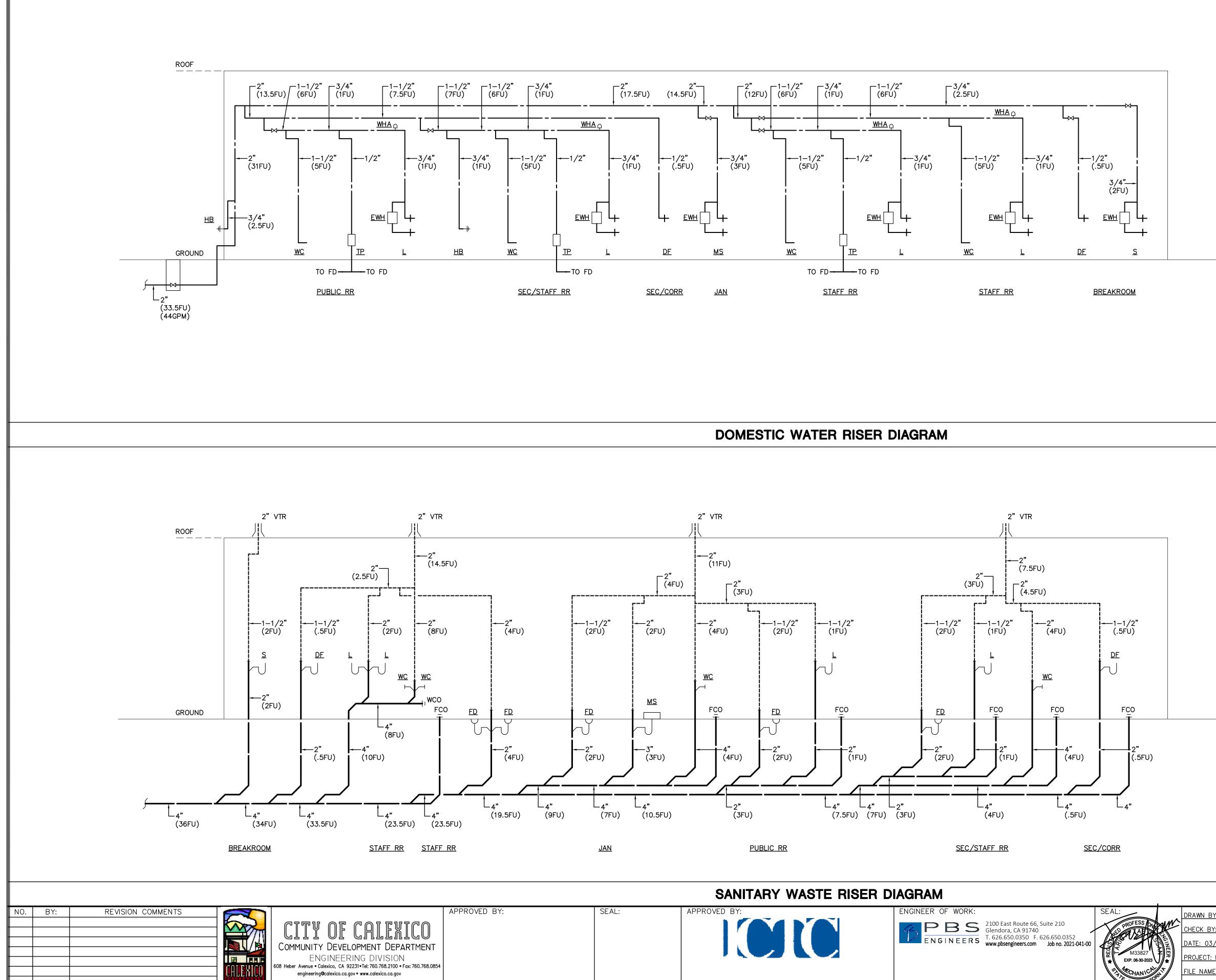


PII SI	_	CLEVIS HANGER	ADJUSTABLE HINGE	PIPE SLEEVE
IN.	(MM)	PART NO.	PART NO.	PART NO.*
1/2	(15)	B3100-1/2	N/A	N/A
3/4	(20)	B3100-3/4	N/A	N/A
1	(25)	B3100-1	B335-2-3/8	B3100PS-1
1 1/4	(32)	B3100-1 1/4	B335-2-3/8	B3100PS-1 1/4
1 1/2	(40)	B3100-1 1/2	B335-2-3/8	B3100PS-1 1/2
2	(50)	B3100-2	B335-2-3/8	B3100PS-2
2 1/2	(65)	B3100-2 1/2	B335-2-3/8	B3100PS-2 1/2
3	(80)	B3100-3	B335-2-3/8	B3100PS-3
3 1/2	(90)	B3100-3 1/2	B335-2-3/8	B3100PS-3 1/2
4	(100)	B3100-4	B335-2-3/8	B3100PS-4
5	(125)	B3100-5	B335-2-1/2	B3100PS-5
6	(150)	B3100-6	B335-2-1/2	B3100PS-6
8	(200)	B3100-8	B335-2-5/8	B3100PS-8
10	(250)	B3100-10	B335-2-3/4	B3100PS-10
12	(300)	B3100-12	B335-2-3/4	B3100PS-12

	_						_		
-					NOT TO	10			
ŀ					SCALE	10	-		
-					NOT TO SCALE	11	-		
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<b>–</b> NO.	BY:	REVISION COMMENTS		1	NOT TO SCALE	12	-	APPROVED BY:	
				CITY O	FCAI	FXT			
				COMMUNITY DE	VELOPMENT	DEPARI	MENT		
			CALEXICO	ENGINE 608 Heber Avenue • Calexico, engineering@calexic	CA 92231•Tel: 760.768 co.ca.gov • www.calexica	8.2100 • Fax: 7 o.ca.gov	760.768.0854		
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PRITAL PATEL, P.E.

DATE

DOME	STIC COLD W	ATER SIZING		
PIPE SIZE	FIXTURE UNITS			
	FLUSH TANK	FLUSH VALVE		
1/2"	1	_		
3/4"	6	_		
1"	15	_		

1 1/4"	28	_		
1 1/2"	54	13		
2"	187	83		

PIPE MATERIAL: TYPE L COPPER MAXIMUM ACCEPTABLE PRESSURE LOSS: 3.5 PSI/100 FT. MAXIMUM ACCEPTABLE VELOCITY: 5 FT./SEC.

NOT TO SCALE	1

			NOT TO SCALE	2	P4.1
DRAWN BY: FN/WM/GM	PROJECT DESCRIPTION:	TITLE:	SHEET:		
CHECK BY: PP					
DATE: 03/24/22	CALEXICO INTERMODAL TRANSIT CENTER DET				140
PROJECT: ICTC					OF
LE NAME:					143
AST REVISED:					

