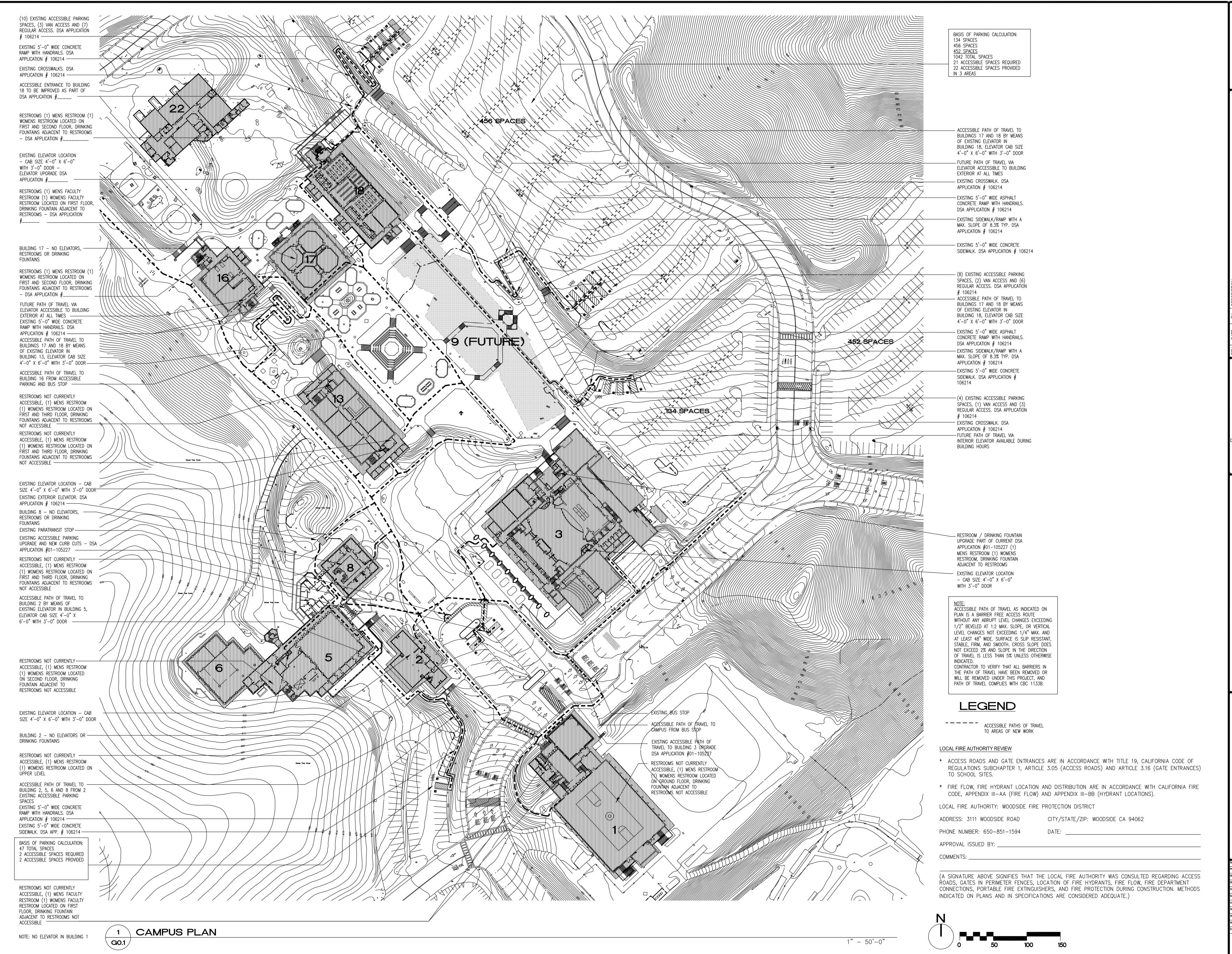
PROJECT TEAM ChevronTexac Cañada College Modernization Mechanical Engineer Construction Management Architects Critchfield Mechanical. Inc. Noll & Tam Swinerton Management Architects 4085 Campbell Avenue & Construction Menlo Park, California 94025 4220 Farm Hill Blvd 729 Heinz Avenue, Suite 7 Berkeley, California 94710 Redwood City, California 94061 Tel: 510.649.8295 Tel: 650.306.3477 CENTRAL PLANT RENOVATION FAX: 650.306.3455 FAX: 510.649.3008 Electrical Engineer Structural Engineers Civil Engineers Jeff Sultan, PE **ZFA** Engineers Sandis Humber Iones San Mateo County Community College District 1700 Broadway Street, Suite 300 2081 Camino de los Robles 555 Howard Street San Fransisco, California 94105 Oakland, California 94612 Menlo Park, California 94025 415.243.4091 Tel: 510.873.8866 FAX: 510.873.8868 GENERAL SITE PLAN VICINITY MAP ARCHITECT'S STATEMENT With the exception of the General (G Series) and Architectural TO REDWOOD (A Series) these drawings and/or specifications and/or calculations for the items listed above have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. These documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me. The items listed above have been coordinated with my plans and specifications and are acceptable for incorporation into the construction of this project for which I am the individual designated to be in general responsible charge. The accepted drawings are listed below. Christopher Noll, Principal NOLL & TAM Architects AREA OF WORK CA License No C15915 Expiration Date: 12/31/05 **Future** INDEX OF DRAWINGS GENERAL MECHANICAL COVER SHEET AND GENERAL NOTES PLUMBING SPEC., SYMBOLS, NOTES AND ABREVIATIONS NO. C15916 CODE SUMMARY MECHANICAL EQUIPMENT SCHEDULES UNATE OF CALIFORNIA CENTRAL PLANT CHILLER NEW CONSTRUCTION PLAN JOSE CIVIL NOTES, LEGEND, & ABBREVIATIONS M-05 IDENTIFICATION STAMP ISION OF THE STATE ARCHITE SITE UTILITY REFERENCE PLAN GRADING PLAN FILE # 41-C1 APPLICATION NUMBER 01 106992 UTILITY PLAN CHILLER CONTROL DIAGRAM MECHANICAL DETAILS AND SECTIONS **ARCHITECTURAL** MECHANICAL DETAILS PARTIAL SITE / FLOOR & ROOF PLANS PARTIAL EXTERIOR ELEVATION/SECTION ELECTRICAL SINGLE LINE DIAGRAM AND NOTES ELECTRICAL PLAN ELECTRICAL DETAILS STRUCTURAL GENERAL NOTES AND TYP DETAILS To PLAN AND ELEVATIONS PLANS AND DETAILS TO SAN FRANCISCO LEGEND DETAILS # | FUTURE BUILDING GENERAL SITE PLAN Reference North # EXISTING BUILDINGS ABBREVIATIONS ad CODE COMPLIANCE SCOPE OF WORK 2001 CALIFORNIA CODES RESILIENT CHAPTER 4 PART 1, TITLE 24 GENERAL NOTES, DSA ANCHOR BOLT ALTERATION TO BUILDING 3 JUNCTION BOX ROUGH OPENING **REQUIREMENTS** TITLE 24 C.C.R. ADMINISTRATIVE ASPHALTIC CONC REVISION 1. State of California Title 24(2001 Edition)— Part 1 Building Standards Administrative Code **REQUIREMENTS** * Addenda and Changes as per Section 4—338 * Inspector approved by DSA FURNISH ADDITIONAL CHILLER, NEW COOLING TOWER AND AREA DRAIN ELEVATOR/ELEVATION LINEAR FEET ROOM ADJACENT/ADJUSTABLE (PARTIAL LISTING ONLY) ASSOCIATED ELECTRICAL, SITE AND UTILITY WORK ELECTRICÁL PANEL LIGHT * Inspector and Continuous inspection of work per Section 4-333(b) and 4-342 * Tests and testing laboratory per Section RAIN WATER LEADER ABOVE FINISHED FLOOR 2. State of California Title 24(2001)— Part 2/Volume MAXIMUM SOLID CORE 1. A copy of Parts 1 and 2, Title 24, C.C.R. shall be kept California Building Codes ALTERNATE MECHANICAL EQUIPMENT SEE CIVIL DRAWINGS ALUMINUM MANUFACTURER FINISH All change orders and addend to be signed by the Architect and the Owner and approved by DSA. Change orders are not valid until approved by DSA Section 4—338, Part 1, title 24. 4-335 (Owner shall pay the testing laboratory) **SCHEDULE** 3. State of California Title 24(2001)— Part 2/Volume 2 **MANUFACTURER** * Special inspection per Section 4-333(c) * Contractor shall submit verified report per section EXHAUST STRUCTURAL ENGINEER California Building Codes **APPROXIMAT** MANHOLE **EXPANSION** SEE ELECTRICAL DRAWINGS 4-336 & 4-343 (c) MINIMUM SUPPLY FAN 4. State of California Title 24(2001 Edition)— Part 3 California Electrical All tests to conform to the requirements of Section 4—335, Part 1, Title 24, and approved T & I sheet. ' Administration of Construction per Part I, Title 24, C.C.R MISCELLANEOUS * Duties of Architect, Structural Engineer, or Professional Engineer per Section 4-333(a) and 4-341 * Duties of contractor per Section 4=343 * Verified Reports per Section 4-336 * A copy of Part 1 & 2 of Title 24, shall be kept SEE MECHANICAL DRAWINGS BUILDING FOUNDATION MOUNTED 4. Tests of materials and testing laboratory shall be in accordance with Section 4—335 of Part 1, Title 24 and the District shall employ and pay the laboratory. SLAB ON GRADE FIRE EXTINGUISHER CABINET STAINLESS STEEL 5. State of California Title 24(2001 Edition)— FACE OF FINISH NORTH BLOCKING SEE STRUCTURAL DRAWINGS Part 4 California Mechanical FACE OF STUD NEW and available in field during Construction * DSA shall be notified on start of construction per Section 4-331 STANDARD PROJECT INFORMATION NOT APPLICABLE SECTION prior to the placement of concrete per Section 4—33 6. State of California Title 24(2001 Edition)— Part 5 California Plumbing Code FINISHED FLOOR CERAMIC NOT IN CONTRACT **Cover Sheet** CEMENT/CEMENTITIOUS NOT TO SCALE 6. Inspector shall be approved by DSA. Inspector shall be in accordance with Section 4—333(b). The duty of the * Supervision by DSA per Section 4-343 * DSA is not subject to Arbitration SIMILAR CONCRÉTE MASONRY UNIT 7. State of California Title 24(2001 Edition)-NUMBER SPECIFICATION DSA APPLICATION NUMBERS DEFERRED APPROVAL ITEMS Part 6 California Energy Code **FLUORESCEN** ON CENTER FIRE RESISTANT/RETARDANT OUTSIDE FACE 8. State of California Title 24(2001 Edition)-7. Supervision of Construction by DSA shall be in accordance with section 4—334, Part 1, Title 24. FOOT OR FEET OWNER FURNISH-STRUCTURA Part 9 California Fire Code PROVIDE INFORMATION TO DSA FOR REVIEW AND BUILDING 1 CONTRACTOR INSTALL FIBERGLASS REINFORCED POLYESTER STOR **STORAGE** Contractor, Inspector, Architect, and Engineers shall 41554 105352 9. State of California Title 24(2001 Edition)— Part 12 California Referenced Standards COLUMN APPROVAL PRIOR TO CONSTRUCTION submit verified reports(Form SSS-6) in accordance with Section 4-336 and 4-343, Part 1, Title 24. 27796 105227 105352 105993 CONCRETE ELEPHONE BUILDING 3: **OPERABLE** GROUND FAULT INTERRUPT OPP HD CONNECTION OPPOSITE HAND TEMPERED 9. The Architect and the Structural Engineer shall perform BUILDING 5: 27796 VIBRATION AND SEISMIC CONTROLS FOR HVAC GLAM GLUE LAMINATED their duties in accordance with Section 4-33(a) and 4-341, Part 1, Title 24. CONTINUOUS THICK(NESS) OPNG OPENING BUILDING 6: 27796 PIPING AND EQUIPMENT 10. Title 19 CCR, Public Safety, TOP OF CONCRETE/CURB CONTRACTOR OPP OPERSETED GARAGE DOOR State Fire Marshal Regulations National Reference Standards BUILDING 8: 27796 10. The Contractor shall perform his duties in accordance with Section 4—343, Part1, Title 24. 11. The intent of the drawings and specifications is to GALVANIZED TOP OF STEEL/SHÉATHING BUILDING 13: 27796 SUBMIT ITEMS PER TITLE 24 CCR PART 1 GLASS, GLAZING TOW TOP OF WALL PRESSURE TREATED ASD(AISC) Manual of Steel Construction, 9th Edition BUILDING 16: 27796 DEPT GALVANIZED SHEET METAL DEPARTMENT TUBE STEEL POLYVINYLCHLORIDE reconstruct the school building in accordance with Title 24. C.C.R. Should any conditions develop not covered by the 4-317(G) BUILDING 17: 27796 105352 ACI-318-95 Code & Commentary GYPSUM WALLBOARD DOUGLAS FIR/ TYPICAL PARTN PARTITION GYP GYPSUM BUILDING 18: 27796 105993 contract documents wherein the finished work will not comply with Title 24, C.C.R., a change order detailing and DRINKING FOÙNTAIN NFPA 13, Automatic Sprinkler System, 1999 Edition UNLESS OTHERWISE NOTED NOTE: FABRICATION OF DEFERRED APPROVAL DOWNSPOUT VINYL COMPOSITION TILE FIRE ALARM 105931 PLASTIC LAMINATE NFPA 14, Installation of Standpipe and Hose Systems, ITEMS SHALL NOT BEGIN WITHOUT FIRST specify the required work shall be submitted to and HOLLOW CORE DOUBLE VERIFY IN FIELD 2000 Edition PLYWOOD approved by the Office of regulation Services before OBTAINING THE APPROVAL OF PLANS AND PREFABRICATED CELL HOLLOW METAL DEMOLITION **VENT** VENTILATION NFPA 17-A, Wet Chemical Extinguishing Systems, Proceeding with the work. SPECIFICATIONS BY DSA. PHONE BUILDING: 100925 HEATING VENTILATING & AIR VERT VEST DETAIL VERTICAL PROJECT/PROJECTOR CONDITIONING DIAMETER VESTIBULE NFPA 24. Installation of Private Fire Service Mains, 1995 Edition PAINTED DIM DISP HEADER DIMENSION WEST, WIDTH QUANTITY HDWD HARDWOOD WITH NFPA 72, National Fire Alarm Code. 1999 Edition DISPOSAL RADIUS HDW HARDWARE WITHOUT DOWN ROOF DRAIN NFPA 90A, 2002 Edition HORIZ HORIZONTAL REFERENCE WATER CLOSET DWR DRAWER REFRIGERATOR WATER RESISTANT DWG DRAWING REGISTER INSUL INSULATION WEIGHT REQUIRED INTERIOR



ChevronTexa

NO. C15916

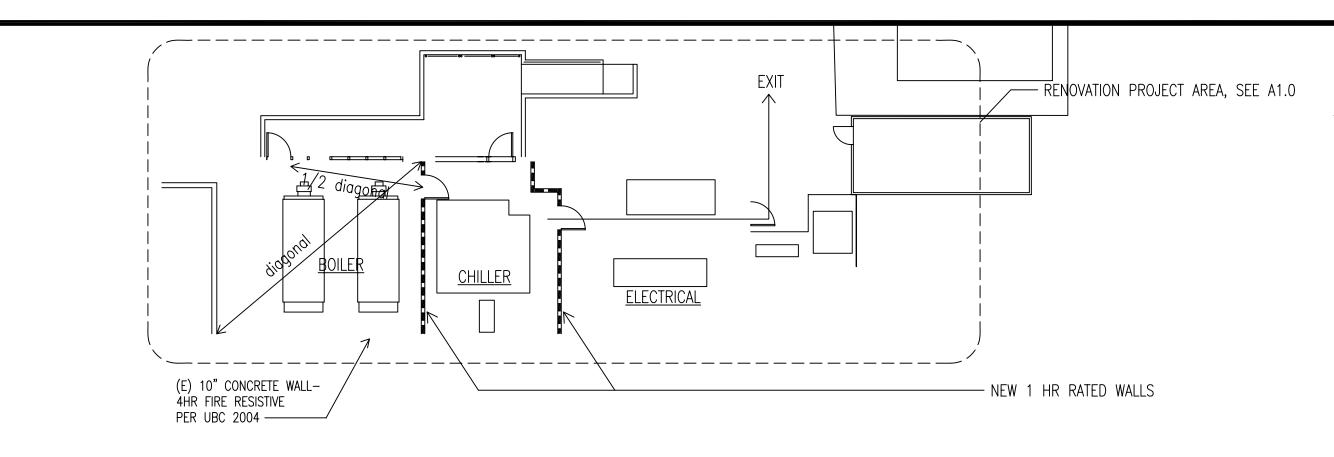
IDENTIFICATION STAMP VISION OF THE STATE ARCHITEC FILE # 41-C1 APPLICATION NUMBER 01 106992

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Campus Plan

6/3/05

G0.²



1 FIRST FLOOR PLAN
G0.2

1/16" = 1'-0"

SECOND FLOOR PLAN
G0.2

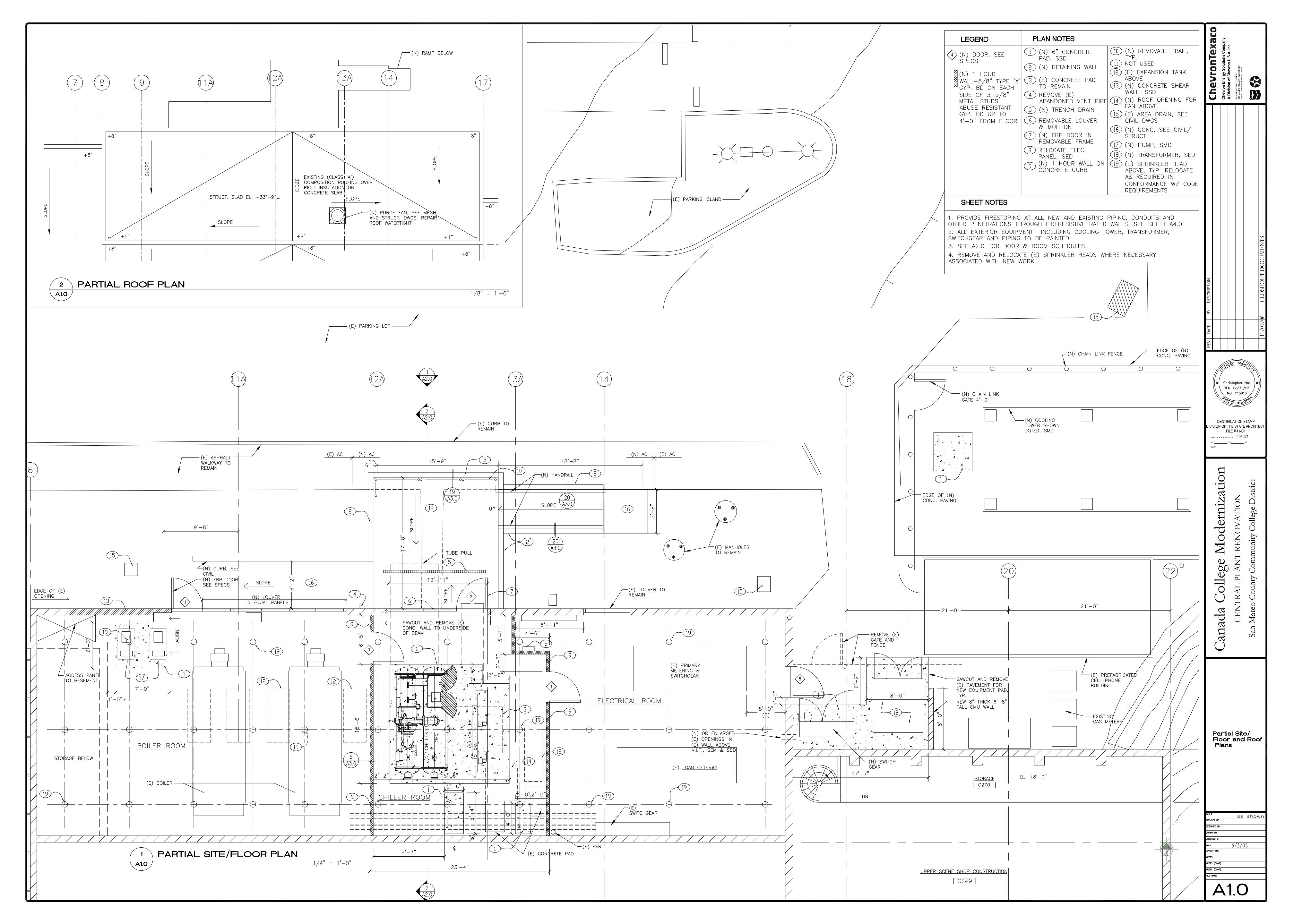
1/16" = 1'-0"

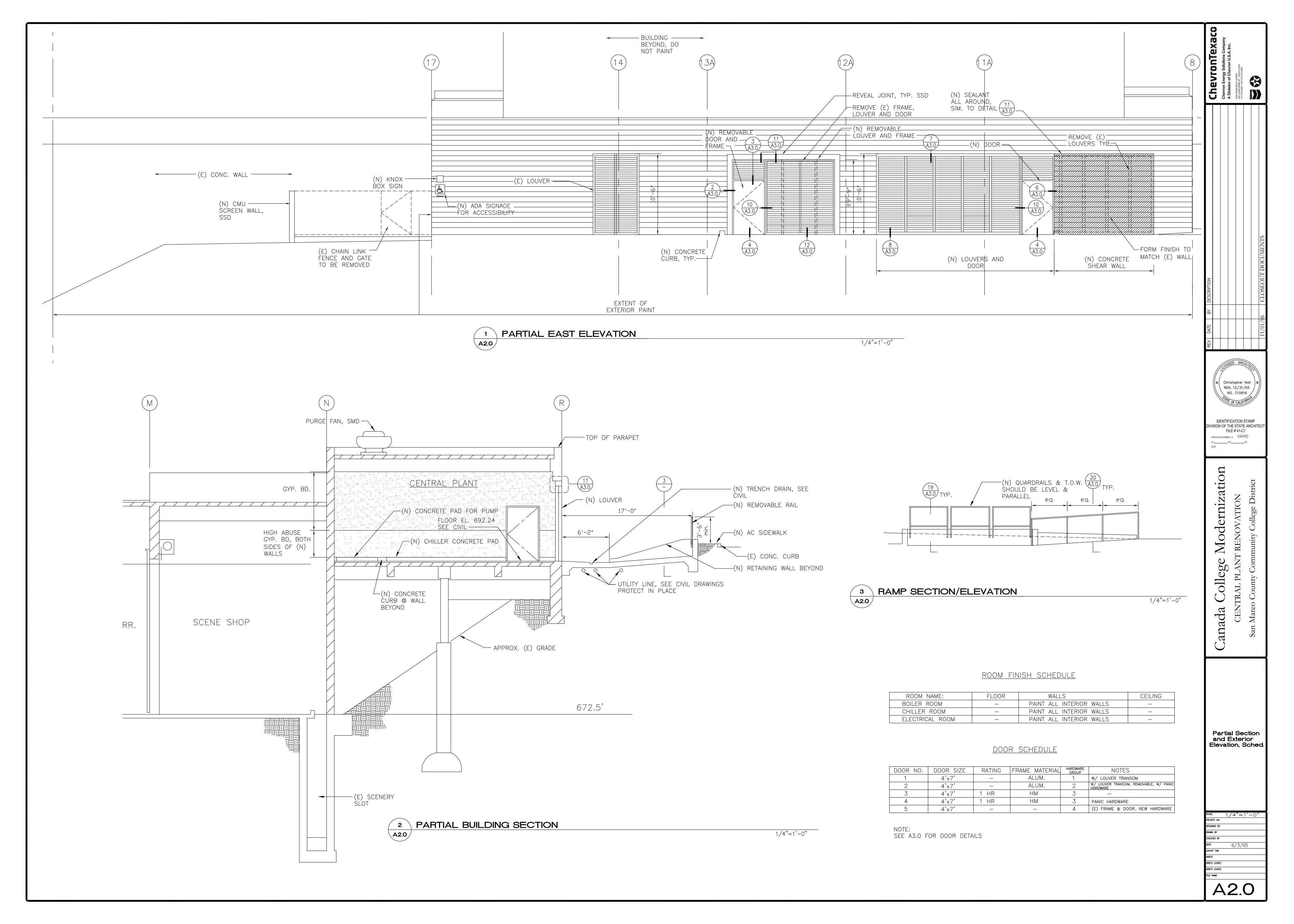
CODE SUMMARY

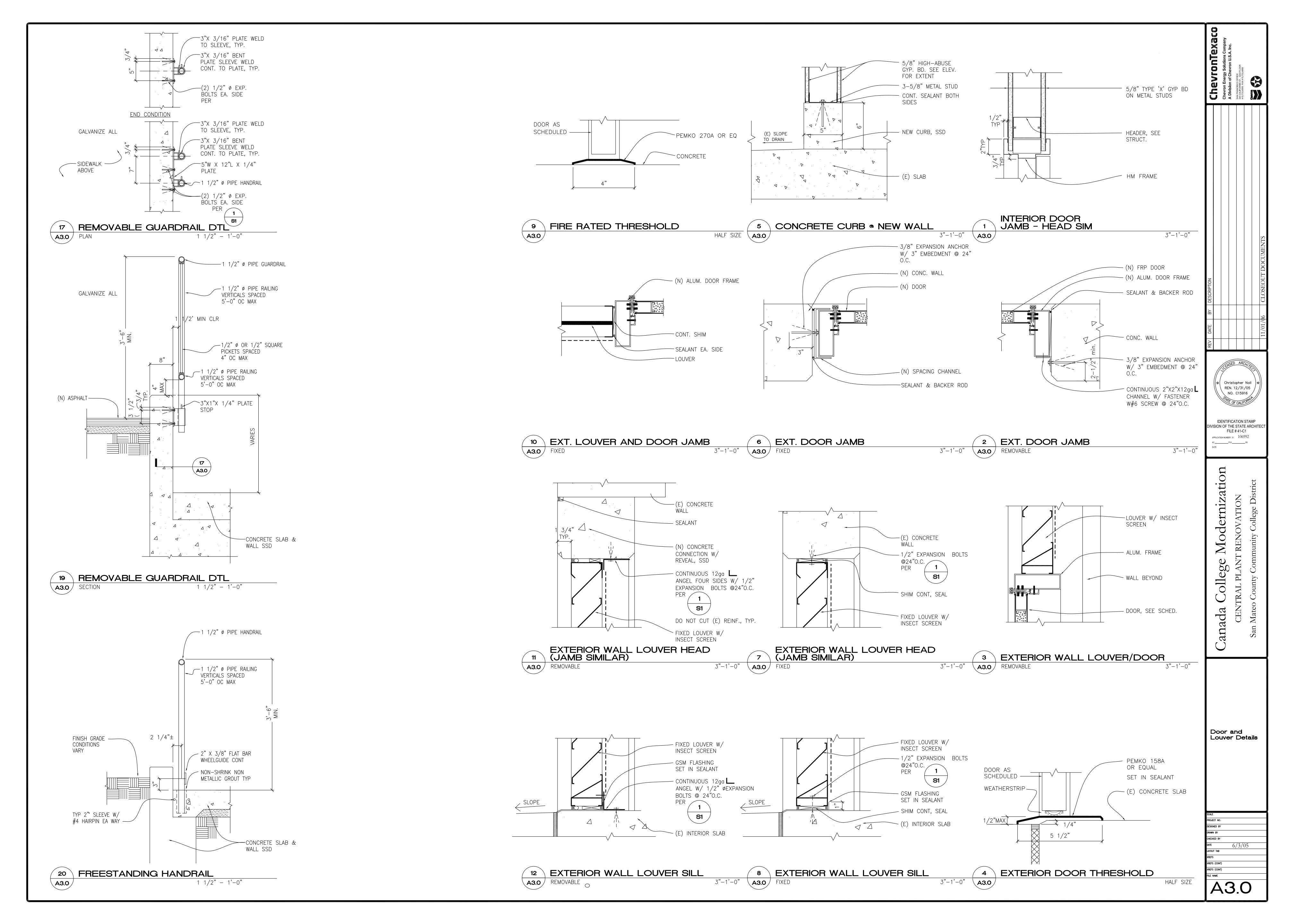
PROJECT DATA:		OCCUPANT LOAD-SEE DSA APPL	L.# 105227	'EXIT WIDTHS — SEE DSA AP	PLICATION	# 105227		EXISTING SIGNAGE - SEE DSA APPLICATION # 10522	7 NOTE:
PROJECT ADDRESS	CANADA COLLEGE BUILDING 3 4200 FARM HILL BLVD. REDWOOD CITY, CA 94061	BASEMENT FIRST FLOOR SECOND FLOOR	81 OCC 1,545 OCC 198 OCC			'-0" STAIR WIDTH ACCOMMODATES 4" STAIR WIDTH ACCOMMODATES	280 OCC 147 OCC	1. TYPE S1: INTERNATIONAL SYMBOL OF ACCESSIBILITY TO BE PROVIDED AT ACCESSIBLE ENTRIES. 2. TYPE S2: POSTING OF ROOM CAPACITY TO BE PROVIDED AT A2	1. 1 HOUR OCCUPANCY SEPARATION IS REQUIRED BETWEEN CHILLERS, BOILERS AND ELECTRICAL EQUIPMENT—PROVIDED
SEISMIC ZONE	ZONE 4	TOTAL OCCUPANT LOAD:	1,824 OCC	MAIN THEATER SEATING	REQUIRED	PROVIDED		AND A3 OCCUPANCIES PER OCCUPANT LOAD NOTED ON EXITING PLAN.	2. PROVIDED TWO MEANS OF EGRESS ARE REQUIRED FROM BOILER ROOM— PROVIDED
CONSTRUCTION TYPE OCCUPANCY TYPE AREA	TYPE I FIRE RESISTIVE BUILDING B, A2, A3 63,299 OGSF	A3 OCCUPANCY CHORAL REHEARSAL RM.	77 OCC	ACCESSIBLE SEATING AREA: (AT MORE THAN ONE LOCATION)	7	7 SPACES		 3. TYPE S3, S4, S5 ,S6: ACCESSIBLE TOILETS PROVIDE SIGNAGE ON DOOR AND ADJACENT TO DOOR. 4. TYPE S7, 7A: ASSISTIVE LISTENING SYSTEM AVAILABLE FOR FLEX 	OCCUPANCY:
FIRE PROTECTION	AREA ALLOWABLE: UNLIMITED FIRE SPRINKLER SYSTEM IN STORAGE ROOMS, MECHANICAL ROOMS, AND HIGH BAY SPACE OF	INSTRUMENT REHEARSAL RM. FLEX THEATER ORCHESTRA PIT	94 OCC 144 OCC 81 OCC	ACCESSIBLE COMPANION SEATS: AISLE SEATING	7 1% OR 6	7 FIXED SPACES 6 SEATS	DELINIA.	THEATER AND MAIN THEATER. 5. TYPE S8: AVAILABILITY OF AISLE SEATING POSTED IN THE TICKET OFFICE. EACH AISLE SEATING LOCATION IDENTIFIED BY 1 1/2"ø	CHILLER ROOM OCC — H7 BOILER ROOM
THE MAIN THEATER AND SCENE SHOP, AND BASEMENT, SMOKE DETECTORS EXISTING IN HVAC SYSTEM, AND PULL BOXES EXISTING IN CORRIDOR FIRE ALARM SYSTEM FOR THIS BUILDING HAS BEEN UPGRADED AS PART OF AN OVERALL CAMPUS FIRE ALARM UPGRADES PROJECT PER	· · · · · · · · · · · · · · · · · · ·	GALLERY	212 OCC	SEMIAMBULANT SEATING ASSISTIVE LISTENING SYSTEM	1% OR 6 4% OR 21	8 SEATS, FRONT ROW, AND UPPER LEVEL COMPANION S 21, PER ADA		RED REFLECTOR ON SEAT ARMREST. 6. TYPE S9: SIGNAGE AT CALL BUTTONS WHERE INDICATED. NOTING ASSISTANCE REQUIRED FOR HANDICAP ACCESS TO LOWER LEVEL OF MAIN THEATER. 7. SIGNAGE TYPE S10, S10A: ROOM NAME SIGNAGE FOR BASEMENT RESTROOMS, NON-ACCESSIBLE NOTED.	OCC - B ELECTRICAL ROOM OCC - B THEATRE OCC - A1 REQUIRED OCC SEPARATIONS: H7/B - 1 HOUR
	BEEN UPGRADED AS PART OF AN OVERALL	A3 TOTAL OCCUPANT LOAD: B TOTAL OCCUPANT LOAD: A2 STAGE OCCUPANT LOAD:	687 OCC 432 OCC 157 OCC	MAIN THEATER: TOTAL NUMBER OF SEATS 516 READILY REMOVEABLE SEATS MAY BE INSTALLED IN	WHEELCHAIR SPA	ACES WHEN THE SPACES ARE NOT			
	DSA APP# 105931	A2 MAIN THEATER OCCUPANT LOAD: TOTAL OCCUPANT LOAD:	532 OCC 1,824 OCC	REQUIRED TO ACCOMMODATE WHEELCHAIR USERS. FLEX THEATER SEATING				 8. SIGNAGE TYPE S11: FOR COMPANION SEAT, TO RELINQUISH SEAT FOR COMPANION UPON REQUEST. 9. SIGNAGE TYPE S12: AUTHORIZED ACCESS, AT EXISTING PIT, SEE 	H7/A1 - 4 HOUR
				ACCESSIBLE SEATING AREA: (AT MORE THAN ONE LOCATION)	4	4 SPACES		DETAIL 25/A9.1 10. SIGNAGE TYPE S14: ROOM NAME AND NUMBER SIGNAGE ALL TO BE N.I.C.	
			\neg	ACCESSIBLE COMPANION SEATS:	4	4 FIXED SEATS			
		NOTE: THE WORK OF THIS PROJECT DOES NOT		AISLE SEATING	1% OR 1	1 SEAT			
		AFFECT THE BUILDING OCCUPANT LOAD		SEMIAMBULANT SEATING	1% OR 2	2 SEATS, FRONT ROW			
		OR THE BUILDING USE CALCULATION ABOVE IS FROM DSA APP. #105227		ASSISTIVE LISTENING SYSTEM FLEX THEATER: TOTAL NUMBER OF SEATS 106 MA	4% OR 4 X.	4 (SHARED WITH MAIN THE CONFIRMED W/DSA, B.R.)	ATER.		

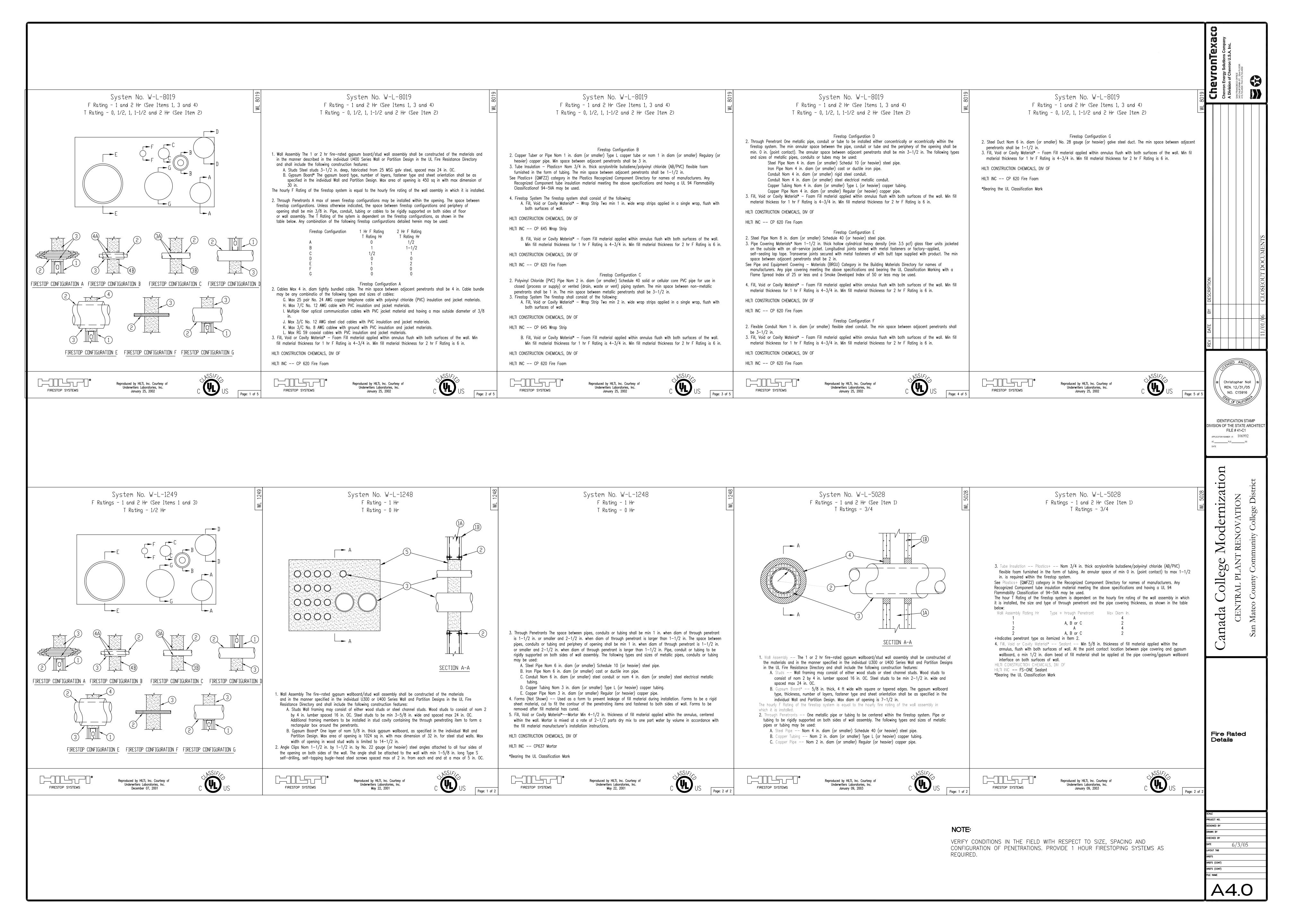
REN. 12/31/05 NO. C15916 STATE OF CALLFORNIA IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC FILE # 41-C1 Canada College Modernization

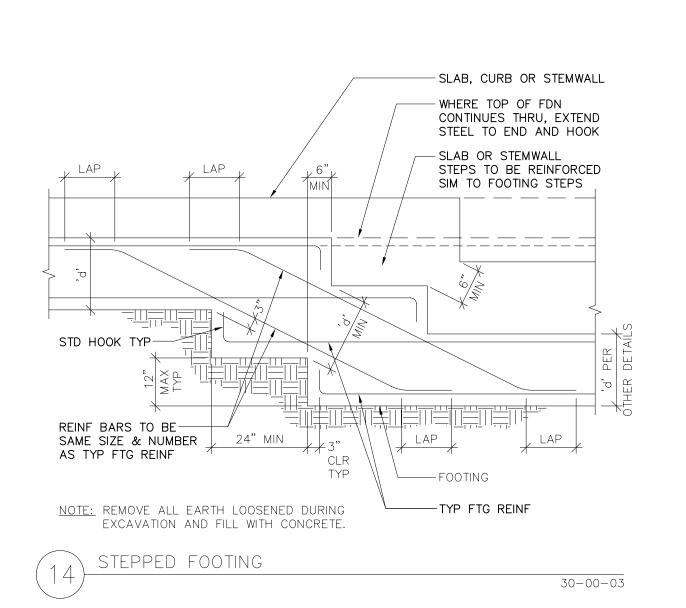
Code Summary

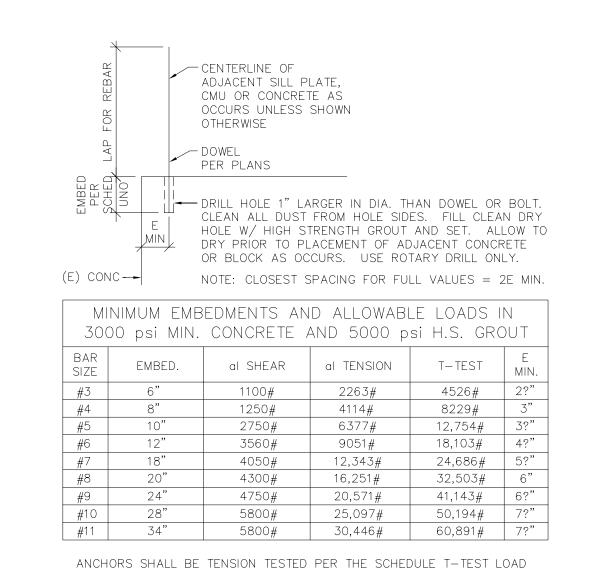


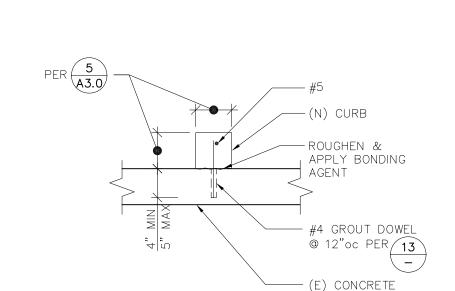






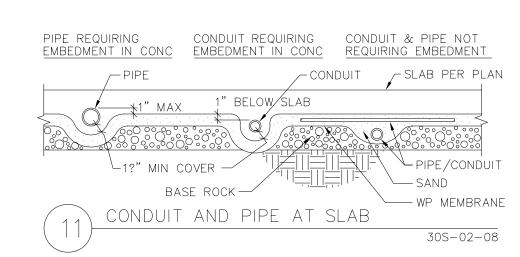


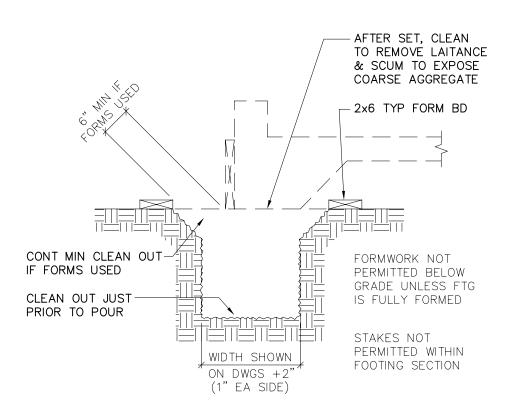




ANCHORS/BARS IN HIGH STRENGTH GROUT (ORS)

12 TYP NEW CONCRETE CURB AT (E) CONC SLAB

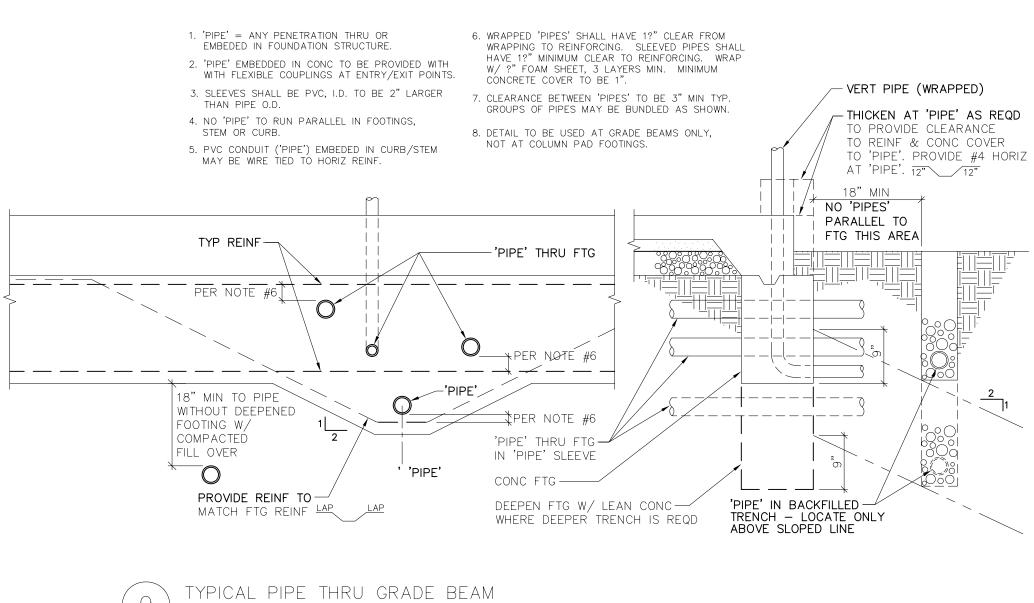


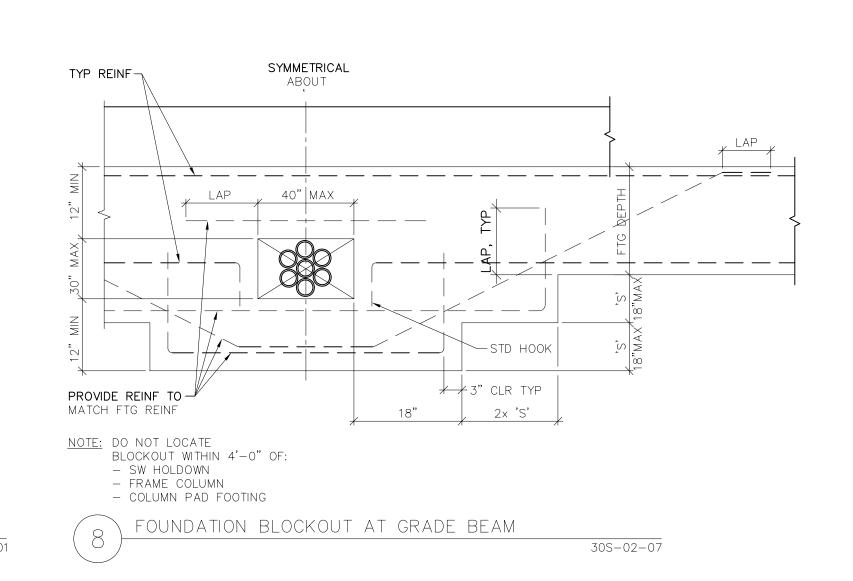


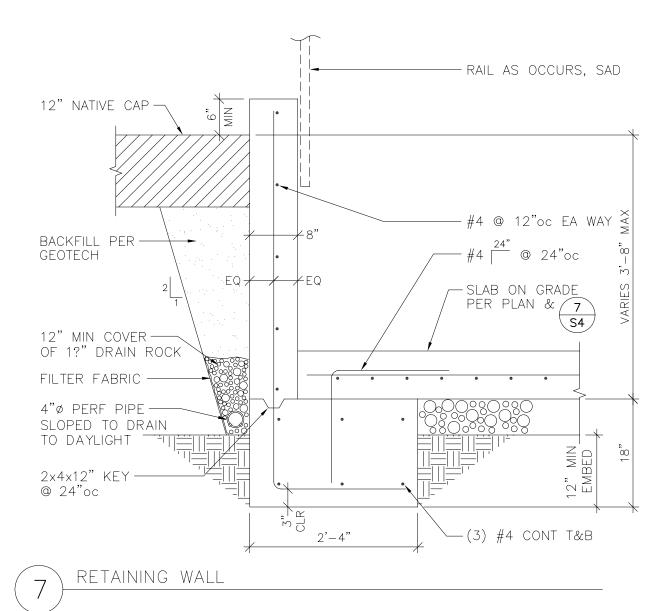
NOTE: FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE GEOTECHNICAL ENGINEER SUBJECT TO THE APPROVAL OF THE OFFICE OF THE REGULATORY SERVICES (STATE ARCHITECT).

TYPICAL MANDATORY FORMWORK

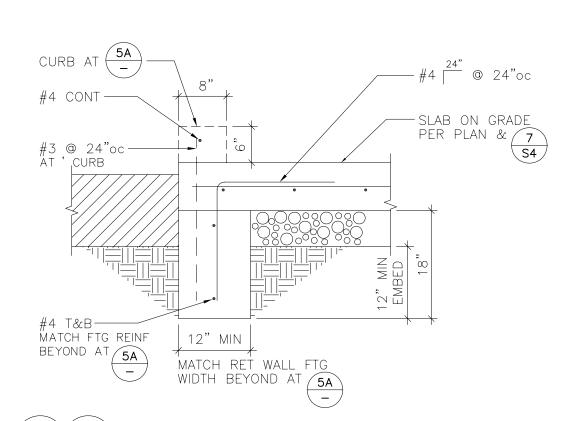
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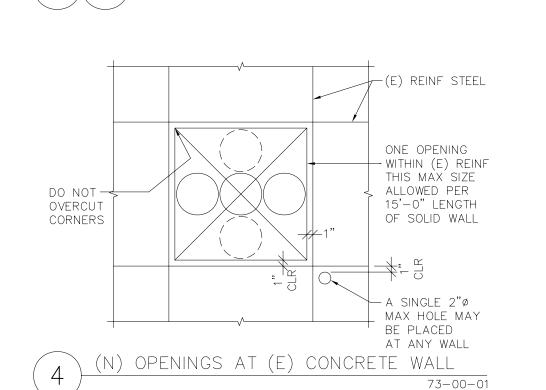




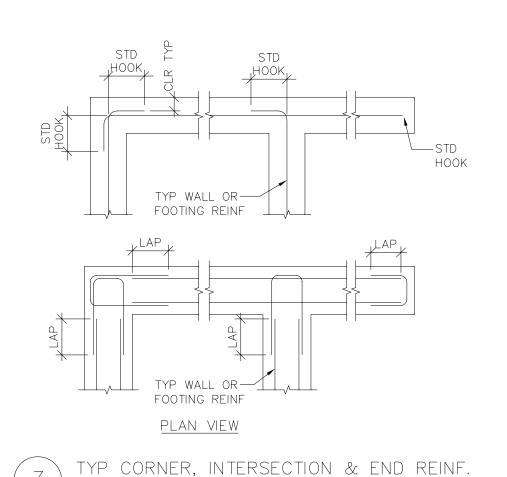


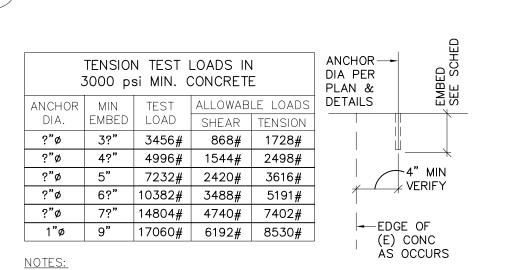
CONCF	MINIMUM E RETE STRENGTH:		S FOR REINFOR(SI OR GREATER			<u>180° НООК</u>
SIZE	LAP LENGTH	SIZE	LAP LENGTH	SIZE	LAP LENGTH	R=3 db FOR #3 TO #7
#3	19"	#6	56"	#9	105"	R=4 db FOR #8 TO #11
#4	25"	#7	81"	#10	116"	90° HOOK
#5	47"	#8	93"	#11	128"	
CONCRE	TE COVER F	OR RE	INFORCING S			──WIRE TOGETHER AT EACH END
CONCRE	TE COVER E	OR RE	INFORCING S	TEEL	, CL B,	WIRE TOGETHER
CAST AGA	AINST EARTH OR	GRADE.			3"	COL. BAR & STRUCT. OFFSET SPLICE
EXPOSED #5	AINST EARTH OR TO EARTH (FOR & SMALLER & LARGER	MED) OR	WEATHER		1?"	COL. BAR & STRUCT. OFFSET SPLICE **Gdb**, 3" MIN **F6db** **Gdb**, 3
EXPOSED #5 #6 NOT EXPO	TO EARTH (FOR & SMALLER	MED) OR	WEATHER THER		1?" 2"	
EXPOSED #5 #6 NOT EXPO #5 #6	TO EARTH (FOR & SMALLER & LARGER OSED TO EARTH & SMALLER	MED) OR OR WEA ALL BM	WEATHER THER STIRRUPS, COL TEND AS FAR A	TIES, & S		6db, 3" MIN 6db





30S-02-02





 INSTALL ADHESIVE ANCHORS PER MFR's & ICBO INSTRUCTIONS. TESTING LAB TO TEST PER TITLE 24, SECTION 1923A.3.5 AND IR 19-1.

- 2. WHEN INSTALLING ADHESIVE ANCHORS IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN REINFORCMENT AND THE ANCHOR
- 3. ACCEPTABLE ADHESIVE FOR ABOVE VALUES ARE: SIMPSON SET, ICBO# ER-5279; AND HILTI HIT HY-150, ICBO# ER-5193.
 4. TORQUE TESTING IS NOT APPLICABLE. TENSION TESTING IS REQUIRED.

	_							
(\bigcap	ADHESIVE	ANCHOR	IN	3000	PSI	CONCRETE	
(, Z							

BOLT	MIN	INSTALL TC	RQUE FT—LE	3 & ICBO #	TEST	ALLOWABL	E VALUES
DIA.	EMBED	#3631	#1372	#4627	LOAD	SHEAR	TENSION
?"	2"	8	8	7	732#	184#	366#
?"	3"	30	25	25	1518#	688#	759#
?"	4"	60	55	45	2558#	1282#	1279#
?"	5"	90	90	95	3566#	1685#	1783#
?"	6"	150	175	225	4545#	2930#	2272#

NOTES:

30-00-01A

- 1. INSTALL DRILLED EXPANSION ANCHORS PER MFR'S & ICBO INSTRUCTIONS. TESTING LAB TO TEST PER TITLE 24, SECTION 1923A.3.5 AND IR 19-1.
- 2. WHEN INSTALLING DRILLED—IN ANCHORS IN EXISTING
 REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID
 CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.
 MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN
 REINFORCEMENT AND THE DRILLED—IN ANCHOR

 3. ACCEPTABLE EXPANSION ANCHORS FOR ABOVE VALUES ARE:
 SIMPSON WEDGE—ALL ICBO# 3631; ITW RAMSET TRUBOLT,

 ACCEPTABLE TO THE TRUBOLT ANCHORS FOR ABOVE VALUES ARE:

 OCCURS

 70 N

BOLT DIA -PER PLAN

DISTANCE

- ICBO# 1372; AND HILTI KWIK BOLT II, ICBO# 4627

 4. INSPECTOR VERIFIED INSTALLATION TORQUE OF ALL ANCHORS PER IR 19-1 IS AN ACCEPTABLE ALTERNATE TO TENSION TESTING PER NOTE 1
- PER IR 19-1 IS AN ACCEPTABLE ALTERNATE TO TENSION 70 MIN SPACING TESTING PER NOTE 1.

 5. VALUES FOR SHEAR AND TENSION SHOWN ARE FULL MAXIMUM VALUES BASED ON 14 DIAMETERS EDGE DISTANCE EACH WAY AND 12 DIAMETERS SPACING EACH WAY MINIMUM. SEE STANDARD CALCULATION FOR INTERPOLATION OF VALUES DOWN FOR A MINIMUM EDGE DISTANCE AND SPACING

EXPANSION ANCHOR IN 3000 PSI CONCRETE



- Design Criteria: 2001 California Building Code
 Wind Loads: 70 mph, Exposure C (enclosed), I = 1.15,
 Seismic Loads: Seismic Zone 4, I = 1.5, Soil Profile Type = S_B,
 Seismic Source Type = A, Distance to Seismic Source < 2 km.
 Ca = 0.60, Cv = 0.80
- In preparing the plans, the source of information was based on existing drawings prepared by John Blume & Associates, dated 2/20/67.
 Actual field dimensions may differ.
 Contractor to verify field conditions prior to bid and construction.
- 3. Building dimensions shown are for general reference only.

 Any discrepancies are to be brought to the attention of the Engineer so clarification can be made prior to commencing work. All dimensions related to existing conditions shall be verified by the contractor and submitted in writing to the Engineer for review prior to construction.
- Drawings shall NOT be scaled. All dimensions and fit shall be determined and verified by the contractor prior to commencing work.

7. Elevations on plans and details "——" are to heights above finished floor elevation

- 5. Details not fully or specifically shown shall be of same nature as other similar conditions.
- 6. (E) denotes existing construction. (N) denotes new construction.
- reference 0'-0".

 8. Coordination of Mechanical, plumbing, electrical, and site utility systems with the structural system is the responsibility of the General Contractor.

 At conditions where field modifications of mechanical, plumbing, electrical or
- site utilities affect structural systems, notify Structural Engineer prior to installation.

 9. Verify weights and locations of mechanical units with Mechanical Engineer prior to placement.

 Units varying over 10% in weight shall be reviewed by the Structural Engineer prior to installation (mechanical weights shown are maximum). Contractor to verify mechanical unit sizes and weights as installed prior to installation of special framing to ensure correct placement
- directly under curbs, etc.

 10. Shoring and bracing design, materials and installation shall be provided by the General Contractor, and shall be adequate for all loads. Leave in place as long as may be
- required for safety and until final structural construction is completed.

 11. Special Inspections for the following items are required per California Building Code,
- Section 1701A, the Specifications and the T&l List (if it applies).

 A. Welding
 B. Expansion Anchors
 C. Adhesive Anchors

E. CMU Rebar & Grouting STRUCTURAL SPECIFICATIONS

Concrete Reinforcing

Concrete Construction

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

	28 Days PSI	Size-Inches	Inches	Tolerance	
undations	3,000	1"×#4	3?"	+?"	
ab on Grade	3,000	1"×#4	3?"	+?"	
b cast above Grou	nd 4,000	1"×#4	3?"	+?"	
lumns, Walls	4,000	1"×#4	3?"	+?"	
scellaneous	4,000	1"×#4	3?"	+?"	

- Concrete mix design and testing shall meet the requirements of Section 1903A, 1905A and 1701A of the 2001 CBC, and these specifications. Cement to be in accordance with ASTM 150 type II.
- 3. Reinforcing steel shall conform to ASTM A—615, Grade 60 for #5 and larger bars and Grade 40 for #4 and all dowels and ties. Steel shall be kept clean and free of rust. Submit shop drawings for review prior to installation.
- 4. Welded wire fabric shall conform with ASTM A-185, and shall be lapped 12" minimum.
 5. Slabs, beams, walls and other concrete shall be kept continuously wet for 48 hours, after placement, and shall be kept damp for 7 days after placement. Slabs shall have cure/sealer applied immediately after finishing if other finishes are not affected. When cure sealer can not be applied, slab shall be kept continuously wet or covered with curing

paper. Cure shall be of a type that will not be detrimental to sealers to be applied later.

Structural Steel

- 2. Workmanship and details shall conform to the AISC specifications and the UBC unless noted otherwise.
- 3. Bolt holes shall be 1/16" larger in diameter than the bolt.
- 4. Welding electrodes shall meet AWS requirements and electrodes shall be E70XX for shielded metal arc, F7XX—EXXX for submerged arc (shop welds only), ER70S—X for gas metal arc and E7XT—XX for flux core (unless noted otherwise).
- All structural welds shall be inspected and certified by a qualified testing agency.
 Certification shall be submitted to the Architect and the Building Department.
- Temporary shoring and bracing shall be used and shall be adequate for all loads to which it may be subjected. Leave temporary bracing and shoring in place as long as may be required for safety, AND until final framing construction is completed.
- 7. Drilled expansion concrete bolts are Simpson Wedge All, Hilti Kwik Bolt II, or ITW/Ramset Trubolt.

Concrete Masonry Construction

- Concrete masonry units shall be Grade N. Units to be double open end where possible and single open end otherwise. All cells to be grouted solid.
- 2. Grout shall be 2,000 PSI minimum in 28 days and shall have 7 sacks of cement per cu yd minimum. Add one lb. Sika Grout Aid per sack of cement up to 6lbs. Maximum per cubic yard.
- Maximum per cubic yard.

 3. Mortar shall be Type M or S proportioned per the 2001 CBC, Chapter 21.
- Reinforcing steel shall be bent and lapped at all corners and intersections. The minimum lap splice shall be 18" UNO. All steel shall be positioned and tied prior to grouting.
- 5. Grout shall be placed in 32" lifts maximum without clean outs. Maximum lift is 8'-0" with clean outs. Grout for each pour shall be stopped 1-1/2" below the top of the last course of block. All grout to be thoroughly consolidated by vibrating immediately after placing.
- 6. F'm = 1,500 psi minimum

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KEY NOTES



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ZFA STRUCTURAL
ENGINEERS

555 HOWARD STREET
SAN FRANCISCO
CALIFORNIA 94105
TEL (415) 243-409
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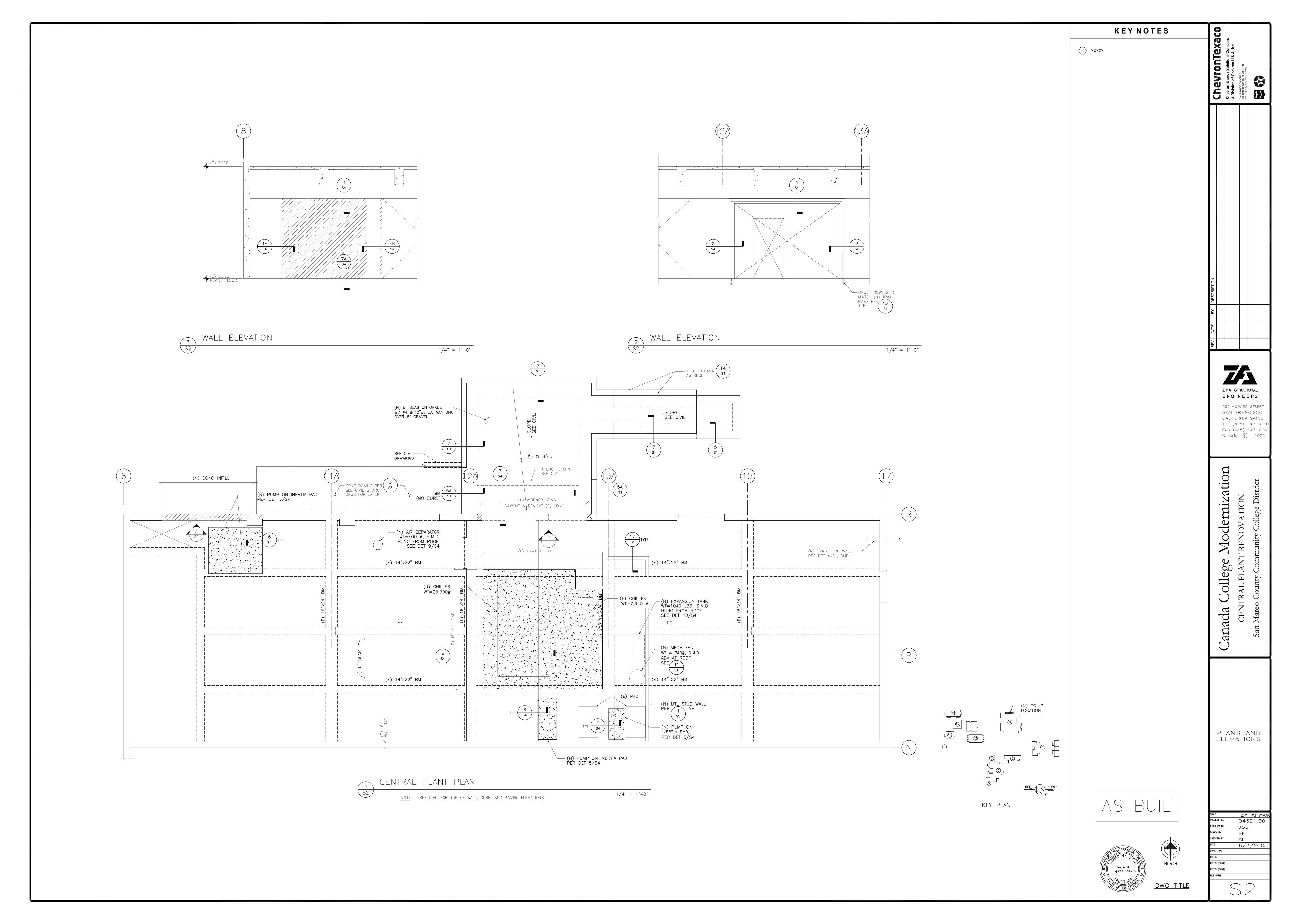
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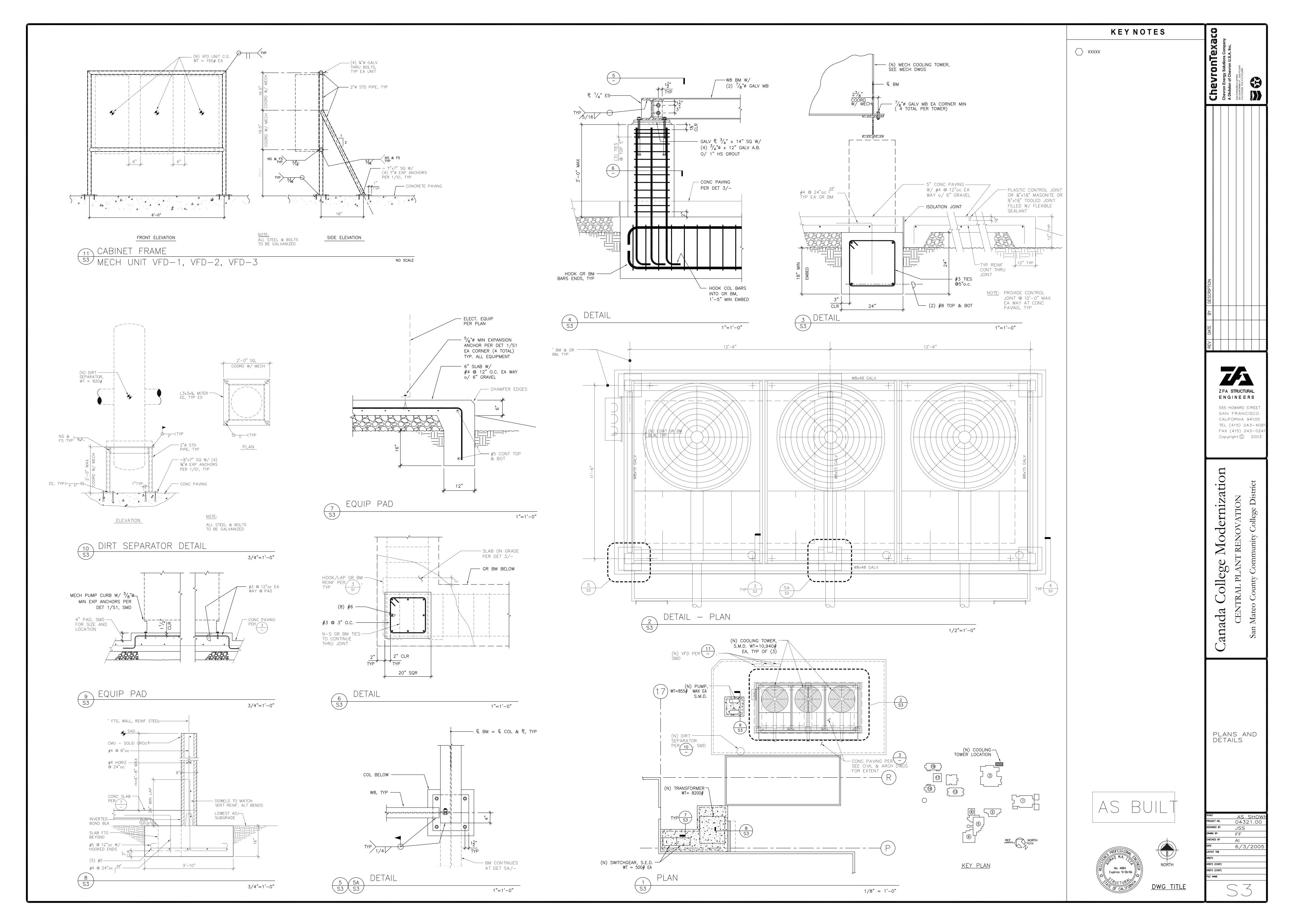
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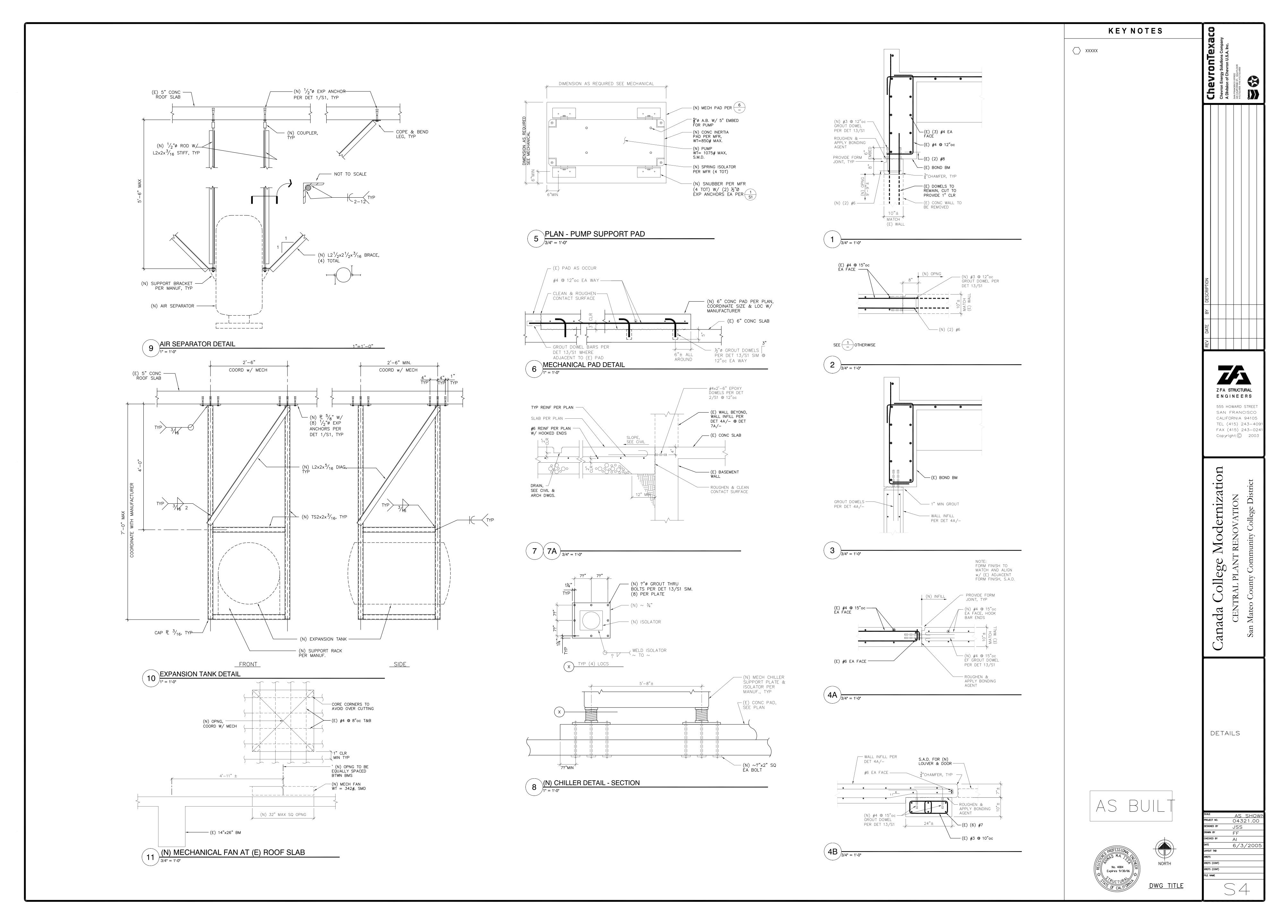
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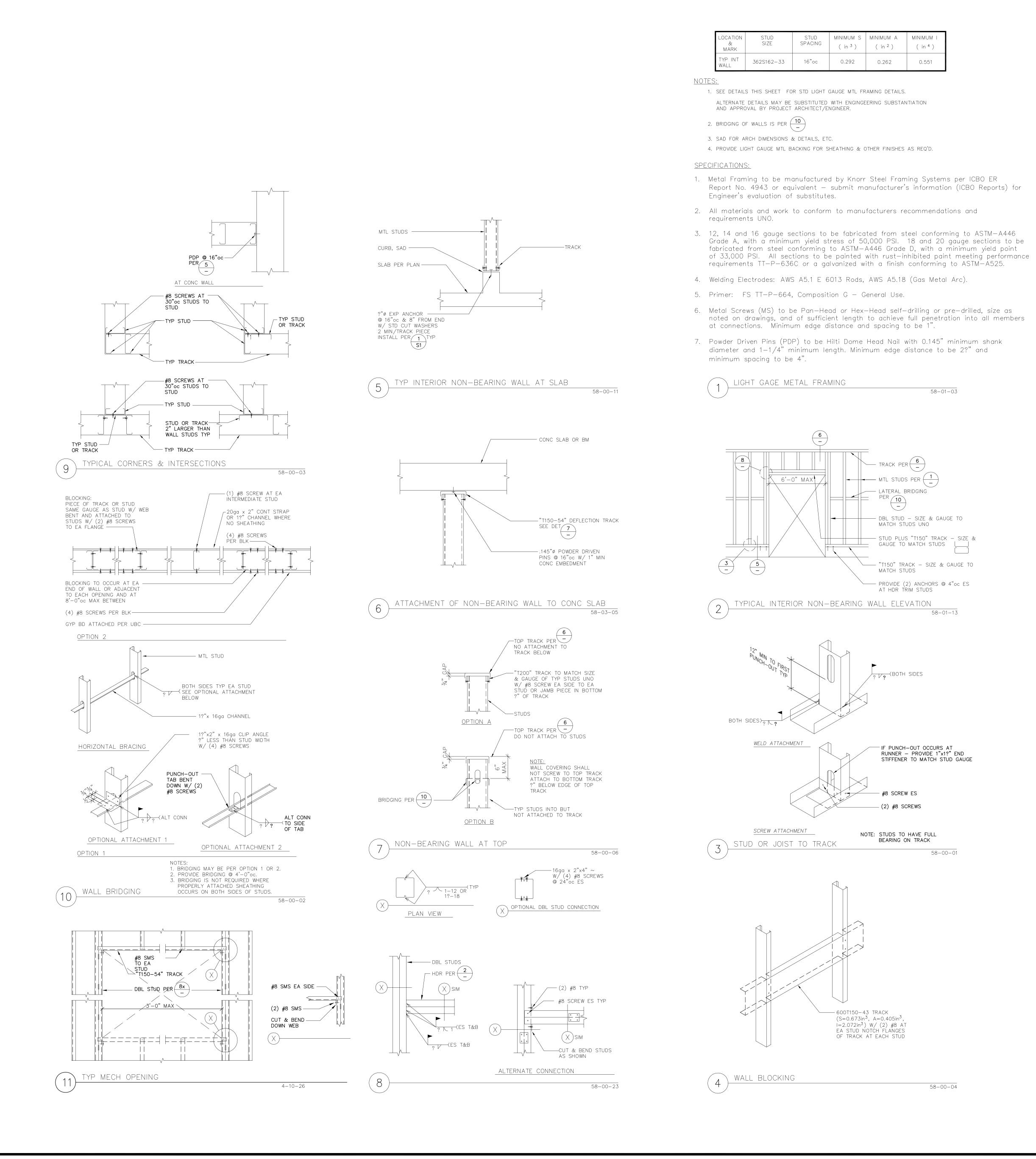
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KEY NOTES

Chevron Energy Solutions Company
A Division of Chevron U.S.A. Inc.
SAN FRANCISCO OFFICE
345 CALIFORNIA ST. 23nd FLOOR
415.733.4500 FAX 415.733.4950

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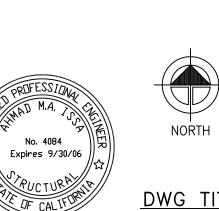
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CONSTRUCTION NOTES

- PROJECT CONSTRUCTION DOCUMENTS AS WELL AS THE LATEST EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND DRAWINGS (JULY 2002)
- CONTRACTOR SHALL NOTIFY THE DISTRICT'S REPRESENTATIVE AT LEAST THREE WORKING DAYS PRIOR TO COMMENCEMENT OF WORK OR IF WORK HAS BEEN SUSPENDED FOR A PERIOD OF ONE OR MORE DAYS (WEEKENDS AND HOLIDAYS EXCEPTED).
- 3. CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE CAMPUS POLICE AND CITY FIRE DEPARTMENTS AND KEEP THEM INFORMED REGARDING STATUS OF WORK.
- 4. CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR DISTRICT'S REPRESENTATIVE, AMBULANCE, POLICE, AND
- 5. CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY UNLESS AN EXCAVATION PERMIT SPECIFIES OTHERWISE.
- 6. UTILITIES AND UNDERGROUND FACILITIES INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PHYSICALLY VERIFY THE LOCATION AND DEPTH AND VERIFY FINDINGS WITH THE APPROPRIATE AGENCIES. NEITHER THE DISTRICT NOR THE ENGINEER ASSUMES RESPONSIBILITY THAT THE UTILITIES AND UNDERGROUND FACILITIES INDICATED WILL BE THE UTILITIES AND UNDERGROUND FACILITIES ENCOUNTERED.
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT U.S.A. 800-227-2600 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING WORK TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE, AND PROTECT ALL UNDERGROUND FACILITIES. THE CONTRACTOR SHALL ALSO CONTRACT WITH A UTILITY LOCATING SERVICE TO MARK ON-SITE UTILITIES.
- 8. THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM DISTRICT ROADS THAT ARE ATTRIBUTABLE TO THE CONSTRUCTION ACTIVITIES. THE STREET CLEANING CONTRACTOR IS TO HAVE THE CAPABILITY OF SWEEPING THE STREETS WITH BOTH A BROOM-TYPE SWEEPER AND A REGENERATIVE AIR VACUUM SWEEPER.
- 9. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATE (DUST).
- 10. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- 11. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AT ALL WORK LOCATIONS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OR UNDERGROUND FACILITIES DAMAGED BY HIM, HIS SUBCONTRACTORS OR HIS MATERIAL SUPPLIERS.
- 13. THIS PLAN DOES NOT ALLOW ANY CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY.
- 14. CONTRACTOR SHALL PROVIDE THE MINIMUM EROSION CONTROL MEASURES REQUIRED. IT IS THE CONTRACTORS RESPONSIBILITY TO ADD AND MAINTAIN MEASURES AS REQUIRED THROUGHOUT THE LIFE OF THE PROJECT IN CONFORMANCE WITH CITY OF REDWOOD CITY, COUNTY OF SAN MATEO, AND ASSOCIATION OF BAY AREA GOVERNMENTS' REQUIREMENTS.
- 15. ALL CONCRETE SHALL BE CALTRANS CLASS 1 UNLESS OTHERWISE NOTED.
- 16. REVISED PLANS SHALL BE SUBMITTED TO AND APPROVED BY THE DISTRICT'S REPRESENTATIVE BEFORE ANY DEVIATIONS FROM THE APPROVED PLANS ARE MADE IN THE FIELD.
- 17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING GRADES PRIOR TO CONSTRUCTION.

UTILITY/POTHOLE NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES BY POTHOLING PRIOR TO COMMENCING CONSTRUCTION.

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES. SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

EARTHWORK QUANTITIES

IMPORT = X CYEXPORT = XXX CYFILL = X CYCUT = XXX CY

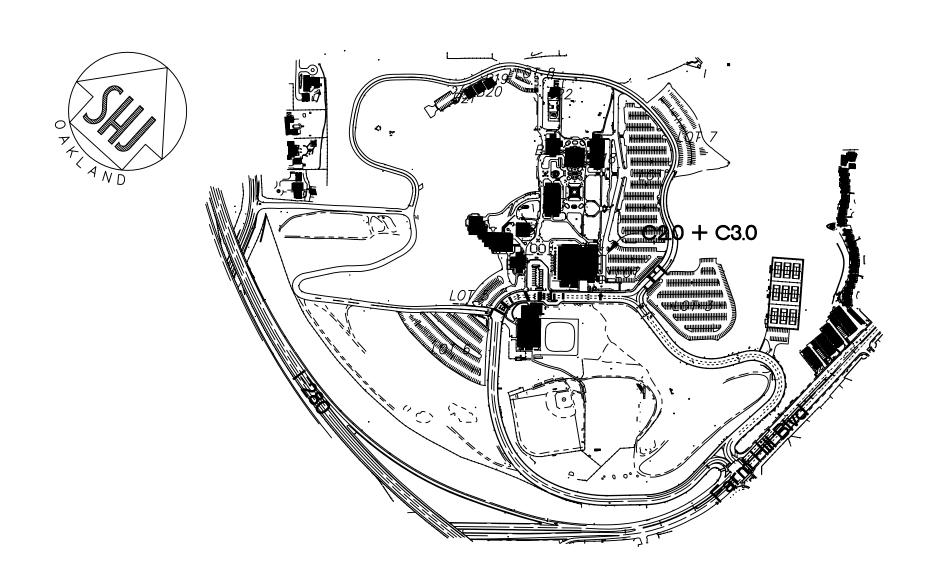
negligence of design professional.

THE EARTHWORK QUANTITIES SHOWN ARE PROVIDED FOR THE PURPOSE OF GRADING PERMIT APPROVAL ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CARRY OUT THE CUT/FILL. IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES AS SHOWN ON THE PLANS REGARDLESS OF THE ESTIMATED EARTHWORK QUANTITIES AS INDICATED. SIGNIFICANT REVISIONS TO THE QUANTITIES MAY NEED REVIEW BY THE

UNAUTHORIZED CHANGES AND USES CAUTION: The design professional preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of the plans.

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 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 sole

CAÑADA COMMUNITY COLLEGE REDWOOD CITY, CALIFORNIA



ADA NOTES

- 1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
- 2. CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33 %).
- 3. ENTRANCE RAMPS TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5 %) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33 %).
- 4. A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE
- 5. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5 %) AND 1:12 (8.33 %), AND SHALL HAVE A MINIMUM CROSS SLOPE OF 2%. RAMPS EXCEEDING 2'-6" VERTICAL SHALL HAVE INTERMEDIATE (2 % MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72". ALL RAMPS SHALL HAVE HANDRAILS (SEE ARCHITECTURAL PLANS).
- MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2 % MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS HANDICAPPED PARKING SHALL BE 2 % IN ANY DIRECTION.

PROJECT SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE GEOTECHNICAL INVESTIGATION FOR THE SITE PREPARED BY LOWNEY ASSOCIATES GEOTECHNICAL ENGINEERING SERVICES DATED BY JUNE 17, 2003; WITH SUPPLEMENTAL DATED

CONTRACTOR RESPONSIBILITY

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE DISTRICT AND THE DESIGN PROFESSIONAL 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 DISTRICT OR THE DESIGN PROFESSIONAL.

SURVEY NOTE

THE BACKGROUND TOPOGRAPHIC SURVEY WAS PREPARED BY A LICENSED LAND SURVEYOR EMPLOYED BY SANDIS HUMBER JONES.

BENCHMARK:

THE BASIS OF ELEVATION FOR THIS SURVEY IS A CITY OF REDWOOD CITY BENCHMARK, BENCHMARK NO. B10. TOP OF BRASS TABLET SET IN A CONCRETE MONUMENT WELL WHICH IS A 5' OFFSET MONUMENT TO THE CENTER LINE INTERSECTION OF FULTON STREET AND JEFFERSON AVENUE.

EROSION CONTROL NOTES

PREVENT EROSION: EXPOSED SOIL AFTER CLEARING, GRADING, OR EXCAVATION POSES A CLEAR AND PRESENT DANGER OF STORM WATER POLLUTION. REVEGETATION (PERMANENT OR TEMPORARY) IS A FORM OF EROSION CONTROL.

- -AVOID EXCAVATION AND GRADING ACTIVITIES DURING WET WEATHER. -REMOVE EXISTING VEGETATION ONLY WHEN ABSOLUTELY NECESSARY. -PLANT TEMPORARY VEGETATION FOR EROSION CONTROL ON SLOPES OR WHERE NO
- CONSTRUCTION IS IMMEDIATELY PLANNED. - WHERE REPLANTING IS NOT FEASIBLE, USE SECURED PLASTIC SHEETING OR FILTER FABRIC TO STABILIZE AND PROTECT EXPOSED SOILS, STOCKPILED TOPSOIL, AND LANDSCAPING MATERIALS.
- -AS A LAST RESORT, PROTECT DOWNSLOPE DRAINAGE COURSES, STEAMS, OR CATCH BASINS WITH HAY BALES OR TEMPORARY DRAINAGE SWALES. -ONCE EXCAVATION AND GRADING ACTIVITIES ARE COMPLETE, PLANT PERMANENT
- VEGETATION AS SOON AS POSSIBLE. CONTROL RUNOFF:
- EROSION RESULTS FROM A COMBINATION OF FACTORS: DECREASED SOIL STABILITY, INCREASED RUNOFF VOLUME, AND/OR INCREASED FLOW VELOCITY. THE MOST EFFECTIVE EROSION CONTROL PRACTICES COMBINE DRAINAGE DIVERSION WITH SURFACE ROUGHENING. -CONSTRUCT DIVERSION DIKES AND DRAINAGE SWALES TO CHANNEL RUNOFF AROUND THE SITE.

-USE BERMS AND DRAINAGE DITCHES TO DIVERT RUNOFF AROUND EXPOSED AREAS. -ROUGHEN OTHER SURFACE BY ADDING RIP RAP, SAND BAGS, ROCKS, STRAW WATTLES, OR TEMPORARY VEGETATION. DO NOT USE ASPHALT RUBBLE OR OTHER DEMOLITION

NOT TO SCALE

ABB	RE	<u>EVIATIONS</u>			
AB	_	AGGREGATE BASE	L.S.	_	LANDSCAPE
AC	_	ASPHALTIC CONCRETE	MAX	_	
AD	_	AREA DRAIN	MIN	_	MINIMUM
ARCH.	_	ARCHITECT/ARCHITECTUAL	N		NORTH
BC	_	BEGINNING OF CURVE	NO		NUMBER
BLDG/B	_		NTS		NOT TO SCALE
BFP	_		P		PAVEMENT ELEVATION
BOW	_	BOTTOM OF WALL	, PERF.		PERFORATED
BW	_	BACK OF WALK	PIV		POST INDICATOR VALVE
C	_	CONCRETE	PL	_	PROPERTY LINE
CY	_	CUBIC YARD	PCC		POINT OF CONTINUOUS CURVATURE
CB	_	CATCH BASIN	P.C.C.		PORTLAND CEMENT CONCRETE
C&G		CURB AND GUTTER	PVC		POLYVINYL CHLORIDE PIPE
Cl	_		RC		RELATIVE COMPACTION
CL		CENTER LINE OR CLASS	RCP		REINFORCED CONCRETE PIPE
CLF		CHAIN LINK FENCE	R/W		RIGHT OF WAY
CONC		CONCRETE	S/W	-	
CONST		CONSTRUCTION OR CONSTRUCT	Ś	_	SLOPE OR SOUTH
DCV	_		<i>SDCO</i>	_	0.0 5 02200
DI	_		SDMH	_	STORM DRAIN MANHOLE
DIP	_	DUCTILE IRON PIPE	SF	_	SILT FENCE
DW	_	DALIEGE AND TER	SMH	_	SIGNAL MANHOLE
DWG	_		SSC0	_	SANITARY SEWER CLEANOUT
Ε	_	EAST	SSMH	_	SANITARY SEWER MANHOLE
EC	_	END OF CURVE	STD	_	STANDARD
EP	_	EDGE OF PAVEMENT	TC	_	TOP OF CURB
ER	_	END OF RETURN	TD	_	TRENCH DRAIN
ELEV	_	ELE VA TION	TS	_	TOP OF SLAB
EX-EXIST	_	EXISTING	TOP	_	TOP OF PIPE
FC	_	FACE OF CURB	TOW	_	TOP OF WALL
FDC	_	FIRE DEPARTMENT CONNECTION	TYP	_	TYPICAL
FF	_	FINISHED FLOOR	U/G	-	UNDERGROUND
FG	_	FINISHED GRADE	UON	_	UNLESS OTHERWISE NOTED
FH	_	FIRE HYDRANT	VGAD	_	VALLEY GUTTER AREA DRAIN
FL	_	FLOW LINE	W	_	WEST
FS	_	FINISHED SURFACE	w/	_	WITH
FT		FOOT	ŴМ	_	WATER METER
FW	_	FIRE WATER	WV	_	WATER VALVE
GB GB	_	GRADE BREAK			

GRADING NOTES

– GAS VALVE

HIGH POINT

JOINT POLE

INVERT ELEVATION

HANDICAP

- 1. NOTIFY THE DISTRICT REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO ANY GRADING. 2. ALL FILLS SHALL BE CONSTRUCTED IN LIFTS (6"-8") AND COMPACTED TO A MINIMUM 90 % RELATIVE COMPACTION, UNLESS OTHERWISE DIRECTED BY THE SOILS ENGINEER. SLOPES TO RECEIVE FILLS SHALL BE STRIPPED AND BENCHED PRIOR OF RECEIVING FILLS.
- 3. ALL CUT AND FILL SLOPES SHALL BE PLANTED, WATERED AND MAINTAINED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED TO THE SATISFACTION OF THE DISTRICT REPRESENTATIVE
- 4. THE CONTRACTOR SHALL ALWAYS KEEP DIRT AND DEBRIS ON THE SITE AT ALL TIMES. PARTICULARLY DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 15). THE CONTRACTOR SHALL ENSURE THAT ANY EROSION THAT OCCURS DOES NOT LEAVE THE SITE OR ENTER ANY WATERCOURSE, INCLUDING ON-SITE STORM DRAINAGE SYSTEMS. THIS REQUIREMENT SHALL BE IN EFFECT ON A 24 HOUR PER DAY, 7 DAY PER WEEK BASIS AND SHALL NOT BE LIMITED IN ANY WAY TO THE HOURS OF WORK OF THE PROJECT. IF, AT THE DISCRETION OF THE DISTRICT REPRESENTATIVE, ADDITIONAL EROSION CONTROL MEASURES ARE DEEMED TO BE REQUIRED, THE CONTRACTOR SHALL AT HER/HIS
- SOLE EXPENSE TAKE SUCH MEASURES AS DIRECTED. 5. CONTACT THE DISTRICT REPRESENTATIVE TO ARRANGE FOR INSPECTION OF EROSION CONTROL MEASURES.

LEGEND

	EXISTING	PROPOSED
SAWCUT AND CONFORM LINE		
RETAINING WALL		
A.C. PAVEMENT		
CONC. VALLEY GUTTER		
CONC. SIDEWALK OR PAD		
6" CURB & GUTTER		
EDGE OF A.C. PAVEMENT	<u>EP</u>	
6" VERTICAL CURB		
CENTER LINE		
COMMUNICATION LINE	CMN	
ELECTRIC AND SIGNAL DUCT BANK	——Е——	
GAS MAIN	G	
IRRIGATION LINE FIRE WATER MAIN	IRR FW	
SANITARY SEWER MAIN	8"ss	
STORM DRAIN MAIN	SD	
STREET LIGHT CONDUIT	SL	
WATER MAIN	6"w	
DOMESTIC WATER MAIN	6"DW	
CHILLED WATER MAIN	6"CHW	
HOT WATER SUPPLY & RETURN	HWS-HWR	
JOINT TRENCH	JT	
UNDERGROUND ELECTRIC LINE	UGE	
OVERHEAD ELECTRIC LINE	ОНЕ	
METAL BEAM GUARD RAIL		
SILT FENCE		
CHAIN LINK FENCE	xx	
CONTOUR ELEVATION LINE	 85 	90 89
SPOT ELEVATION	× 95.94	FG 95.94
DIRECTION OF SLOPE	7 %	2:1 1%
GAS METER	G	
GAS VALVE	g∨ [™]	
WATER METER		
WATER VALVE	wv o'	
FIRE HYDRANT	;; +o+	
SIGN	9	4
ACCESSIBLE RAMP	<u></u>	
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CONSTRUCTION DETAIL REFERENCE

SANITARY SEWER MANHOLE

SANITARY SEWER CLEANOUT

STORM DRAIN MANHOLE

STORM DRAIN AREA DRAIN

STORM DRAIN CATCH BASIN

STORM DRAIN CURB INLET

DEMO & REMOVE EX. TREE

STORM DRAIN CLEANOUT

JOINT POLE

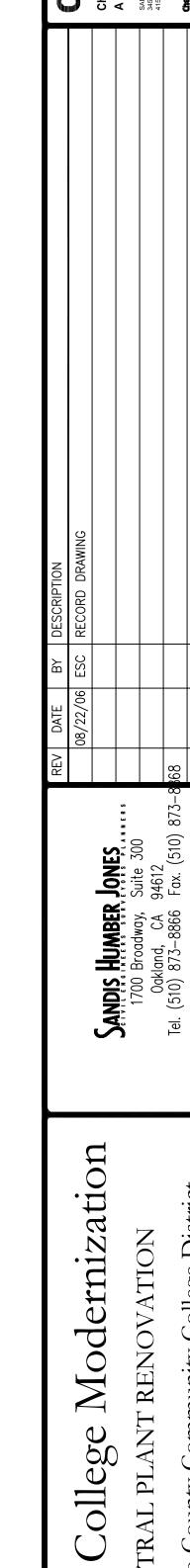
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DETAIL REFERENCE SHEET REFERENCE

SHEET INDEX

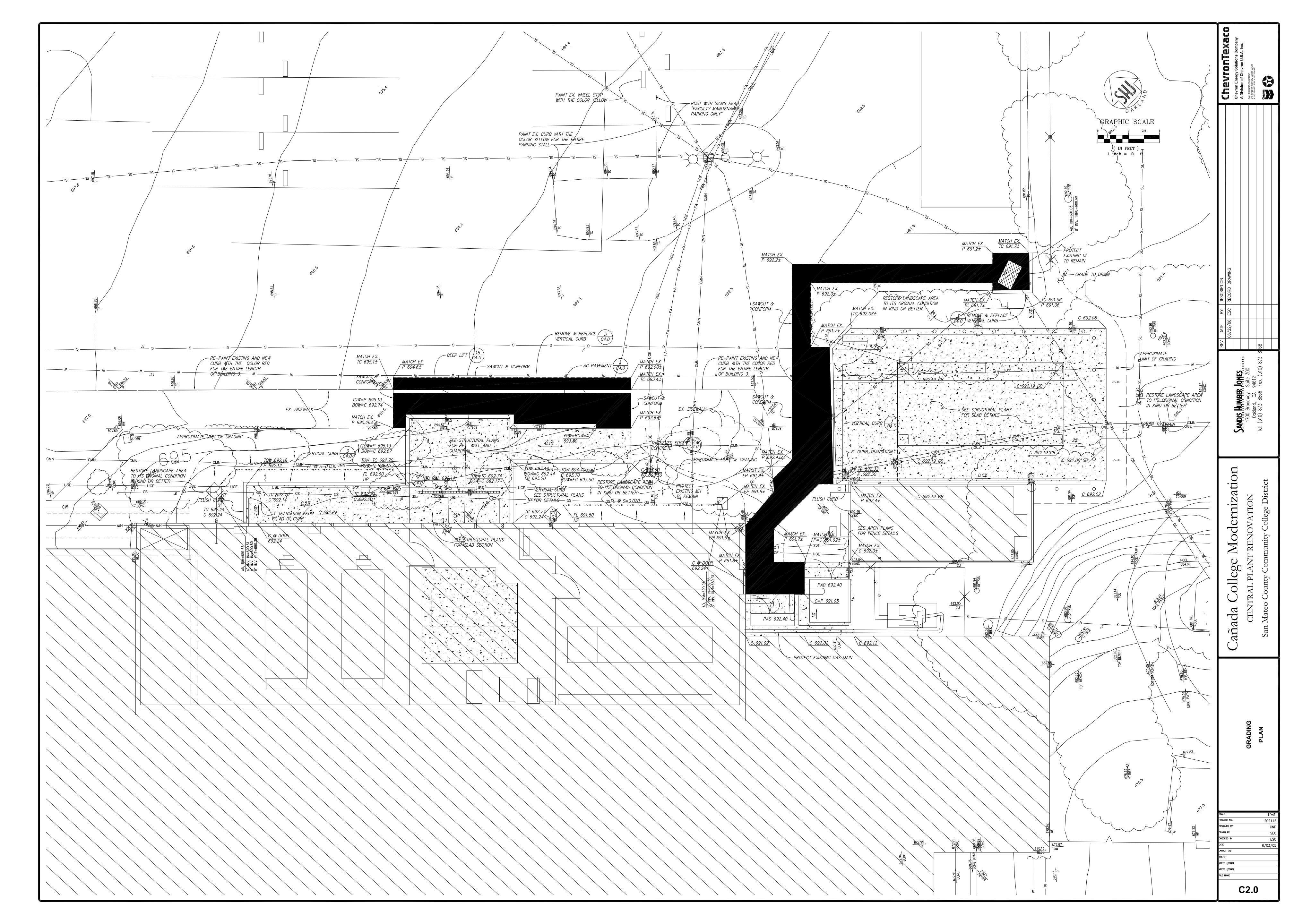
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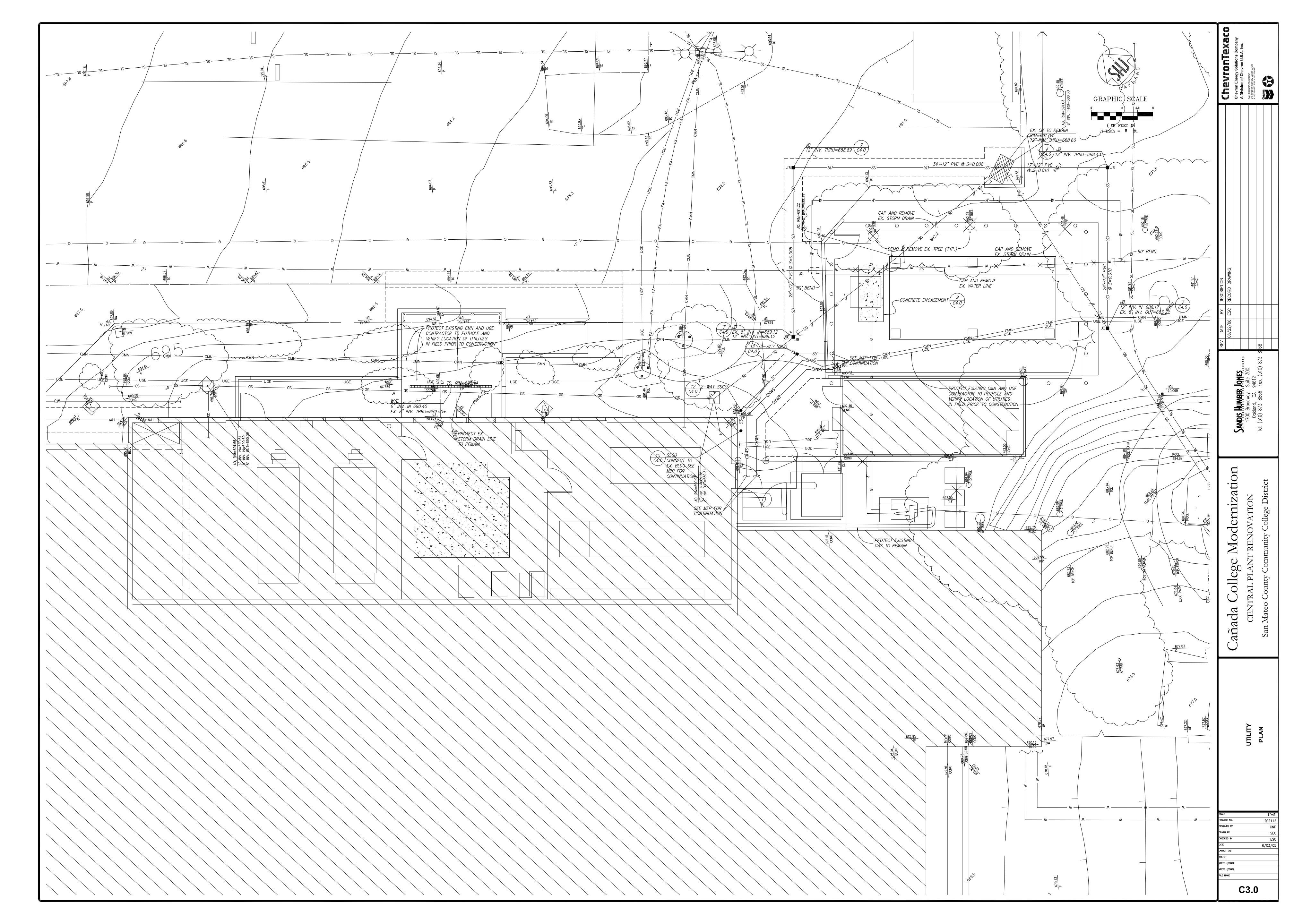
- CIVIL NOTES, LEGEND, & ABBREVIATIONS C2.0 GRADING PLAN C3.0
 - UTILITY PLAN DETAIL SHEET

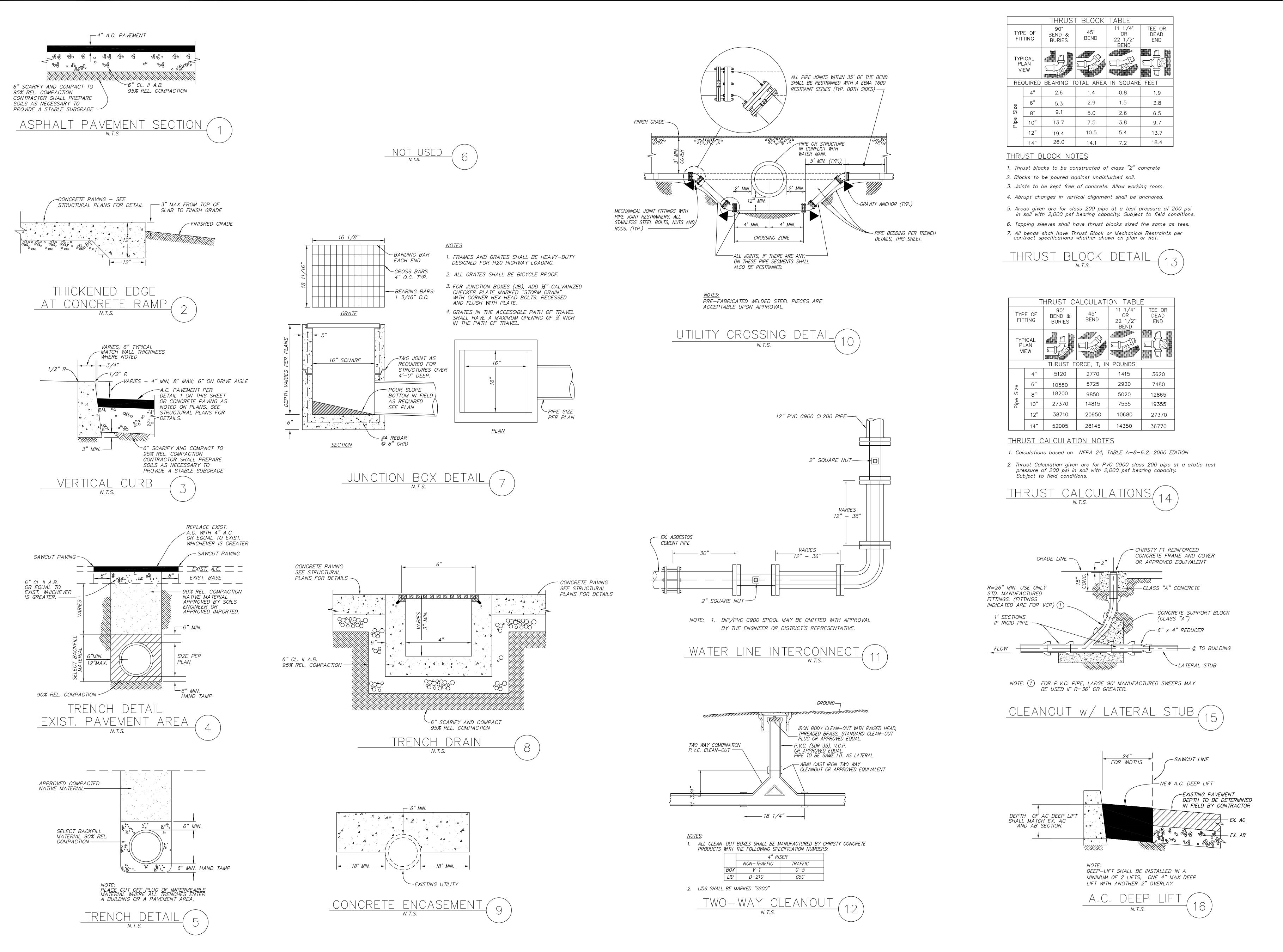


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Consulting Engineers







 Sandis Humber Jones
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 BY Description

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Energy Solutions Company

Cañada College Modernization
CENTRAL PLANT RENOVATION
San Mateo County Community College District

DETAIL

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POJECT NO. 202112
SIGNED BY CNP
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