

IMPERIAL COMMUNITY COLLEGE DISTRICT IMPERIAL VALLEY COLLEGE

SPORT FIELD RESTROOM AND CONCESSION, SPORT FIELD WESTSIDE LIGHTING, AND BORDER LINK ANTENNA

ROMUALDO J. MEDINA - CLERK KARLA SIGMOND - PRESIDENT DR. LENNOR M. JOHNSON - SECRETARY AREA #6 AREA #2 ISABEL SOLIS HORTENCIA ARMENDARIZ STEVEN TAYLOR AREA #4 AREA #I AREA #7 (EMPTY) **JERRY HART** AREA #3 AREA #5

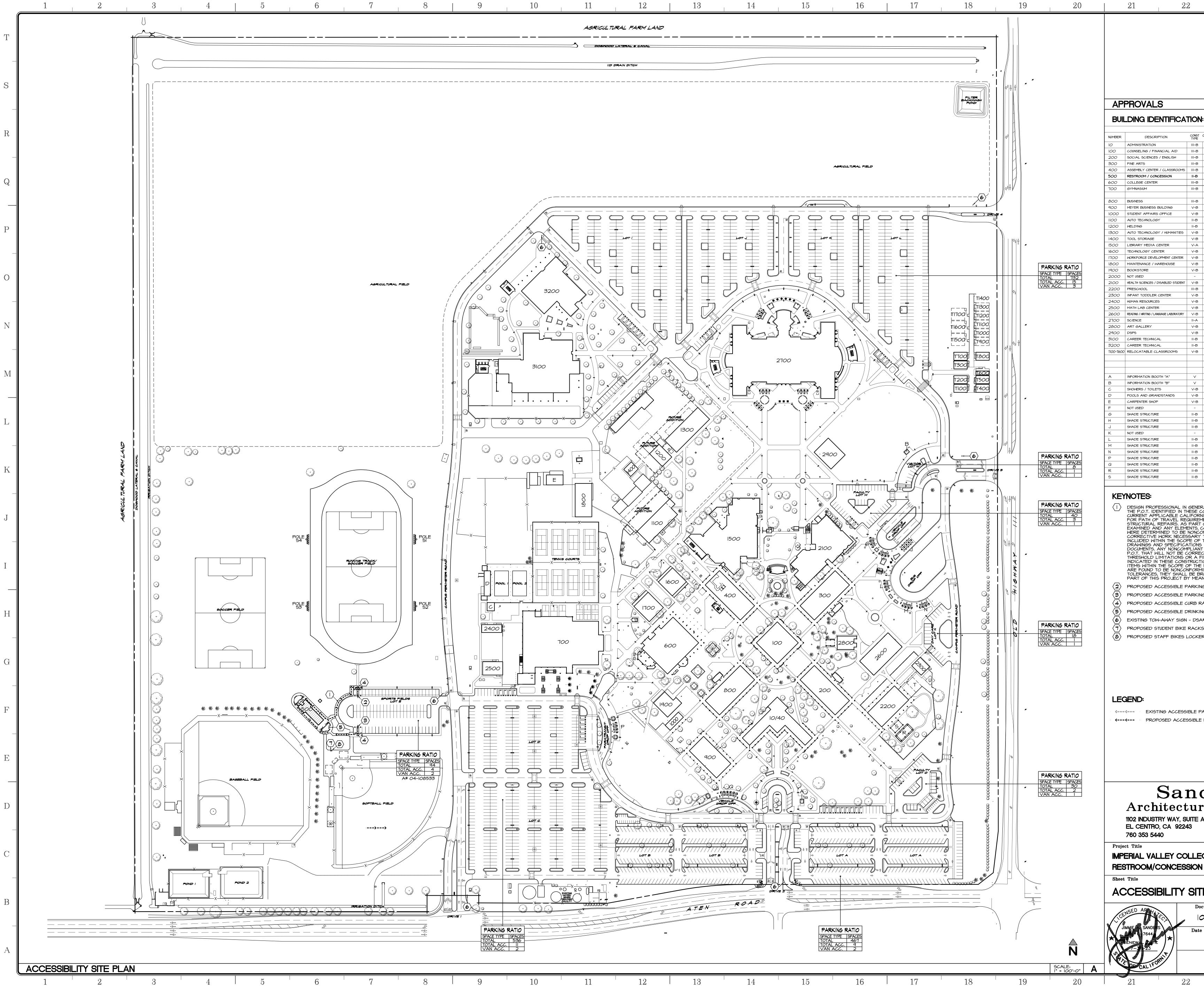
				2. PROVIDE ENGINEERED PAD. 3. PROVIDE SITE IMPROVEMENTS, IN
NOTES	GENERAL NOTES	SHEET INDEX	SHEET INDEX	BUILDING. 4. CONSTRUCT RESTROOM AND CON 5. PROVIDE SPORT FIELD LIGHTING 6. PROVIDE CAMPUS LIGHTING.
ACT DOCUMENTS:	5. TESTING AND INSPECTION:	T TITLE SHEET - GENERAL NOTES, SHEET INDEX	MECHANICAL	7. PROVIDE LANDSCAPING.
OPOSED WORK AND FULLY ACQUAINT	A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE		MO.1 HVAC GENERAL NOTES, SCHEDULES, DETAILS	
E CONSTRUCTION AND LABOR SO THAT ICULTIES AND RESTRICTIONS ATTENDING RACT. BIDDERS SHALL THOROUGHLY	DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.	ARCHITECTURAL SITE	MO.2 HVAC DETAILS	_
ND PROJECT MANUAL. THE FAILURE OR INE ANY CONTRACT, FORM, INSTRUMENT,	A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART I,	AS1 ACCESSIBILITY SITE PLAN	M2.1 HVAC PLAN	-
THE SITE AND ACQUAINT HIMSELF WITH LIEVE ANY BIDDER FROM OBLIGATIONS	TITLE 24, CCR. THIS PROJECT SHALL REQUIRE ALL ITEMS PER DSA-103 LIST OF REQUIRED STRUCTURAL TESTS & SPECIAL INSPECTIONS. INSPECTOR OF RECORD, CLASS 2.	AS2 FIRE ACCESS SITE PLAN	M2.2 ENERGY CALCULATIONS	_
CT. THE SUBMISSION OF A BID SHALL NCE WITH THIS SECTION. THE ARCHITECT SUAL CONDITIONS OR DISCREPANCIES	WORK EXEMPT FROM SPECIAL INSPECTION AND STRUCTURAL TESTING, THE PROJECT INSPECTOR SHALL VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED	AS3 SITE SURVEY AND DEMOLITION	M2.3 ENERGY CALCULATIONS	
ORK TO BE ACCOMPLISHED, WHEREIN; UED.	CONSTRUCTION DOCUMENTS (SEE TESTING AND INSPECTION EXEMPTION KEY):	AS4 ROUGH GRADING PLAN	M2.4 CONTROLS	-
	52 SOILS #2	AS5 HARDSCAPE PLAN		-
	CI CONCRETE / MASONRY #1 C2 CONCRETE / MASONRY #2 C3 CONCRETE / MASONRY #3	AS6 SITE UTILITIES PLAN		-
TROOM/CONCESSION FACILITY	C4 CONCRETE / MASONRY #4 C5 CONCRETE / MASONRY #5	AS7 EROSION AND SEDIMENTATION CONTROL PLAN		-
	WI WELDING #1 W2 WELDING #2	ASX2 SITE DETAILS ASX3 SITE ACCESSIBILITY DETAILS	E002 FIXTURE SCHEDULE E003 MUSCO CONTROL SUMMARY	-
ONRY BEARING WALLS, METAL STUD ER STEEL BEAMS AND COVERED IS AND METAL DECK.	W3 WELDING #3 W4 WELDING #4		E003 MUSCO CONTROL SUMMARY E101 SITE ELECTRICAL PLAN	-
	W5 WELDING #5 W6 WELDING #6	ARCHITECTURAL	E102 SITE ELECTRICAL PLAN	-
R OF NEW BUILDING.	W7 WELDING #7	PLANS	E201 CONCESSION POWER + LIGHTING PLAN	-
:	6. CHANGES TO APPROVED DRAWINGS:	A1 FLOOR PLANS - DIMENSIONAL AND ARCHITECTURAL	E202 CONCESSION ROOF PLAN	-
EEN ACCOMPLISHED FOR THE SITE AND OFFICE, AND SOILS ENGINEERS OFFICE.	CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART I,	A2 ARCHITECTURAL SECTIONS, REFLECTED	E301 SINGLE LINE DIAGRAM + PANEL SCHEDULE	_
	TITLE 24, CCR.	CEILING PLAN	E401 TITLE 24	SHEE
	7. DEFERRED APPROVALS:	A3 EXTERIOR ELEVATION, ROOF PLAN		
92243	NONE THIS PROJECT	A3 EXTERIOR ELEVATIONS	FIRE ALARM	-
SUBCONTRACTORS SHALL REVIEW THE	8. D.S.A. CLOSE-OUT CERTIFICATION:	A4.1 INTERIOR ELEVATIONS	FA-001 FIRE ALARM COVER SHEET	-
OPIES OF REPORT ARE AVAILABLE RIOR TO BID DATE.	NONE THIS PROJECT	A4.2 INTENION LELVATIONS A5 FLOORING PLAN AND SIGNAGE PLAN	FA-001 FIRE ALARM SITE PLAN	L1.6 PLANTING PLAN
	9. CONSTRUCTION FIRE SAFETY:	GENERAL	FA-101 FIRE ALARM DEVICE PLACEMENT PLAN	L2.1 BOULDER PLAN
	CONTRACTOR IS RESPONSIBLE FOR FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION AND SHALL COMPLY WITH CFC 2019 CHAPTER 33.	AX1.1 ROOM FINISH AND DOOR SCHEDULE AND TYPES	FA-201 FIRE ALARM RISER DIAGRAM	L2.2 BOULDER PLAN
CALIFORNIA CODE OF REGULATIONS (CCR). CAC), PART I, TITLE 24, CCR		AX1.4 DOOR AND WINDOW DETAILS	FA-501 FIRE ALARM PANEL DETAIL	- L3 IRRIGATION PLAN
RT 2, TITLE 24 CCR DL. 1 & 2, AND 2019 CALIFORNIA	10. LOCAL ORDINANCES: GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND	AX2.1 ENLARGED FLOOR PLANS	FA-601 FIRE ALARM CALCULATIONS AND SCHEDULES	LX1.1 PLANTING SCHEDU
PART 3, TITLE 24 CCR DI9 CALIFORNIA AMENDMENTS)	ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.	AX3.1 ACCESS COMPLIANCE DETAILS	FA-701 FIRE ALARM WIRING TYPICALS	LX2.1 PLANTING DETAILS
PART 4, TITLE 24 CCR AND 2019 CALIFORNIA AMENDMENTS)	11. BUILDING DATA:	AX5.1 INTERIOR ARCHITECTURAL DETAILS	FA-702 FIRE ALARM WIRING TYPICALS	LX3.1 IRRIGATION DETAIL
RT 5, TITLE 24 CCR D 2019 CALIFORNIA AMENDMENTS)	BUILDING 500 - RESTROOM/CONCESSION	AX5.2 NON-BEARING METAL FRAMING		LX3.2 IRRIGATION DETAIL
T 6, TITLE 24 CCR TITLE 24 CCR	OCCUPANCY	AX6.1 EXTERIOR ARCHITECTURAL DETAILS	COMMUNICATIONS	-
DI9 CALIFORNIA AMENDMENTS) (CEBC), PART IO, TITLE 24 CCR DE AND 2019 CALIFORNIA AMENDMENTS)	OCCUPANCYB CONSTRUCTION TYPETYPE II-B FIRE SPRINKLER SYSTEMNONE NUMBER OF STORIESI CONSTRUCTION AREA		CM0.1 COMMUNICATIONS SITE PLAN	-
CODE (CALGREEN), PART II, TITLE 24 CCR CODE, PART I2, TITLE 24 CCR	BUILDING AREA	STRUCTURAL	CM0.2 COMMUNICATIONS DETAILS	-
ARSHAL REGULATIONS OR ELEVATORS AND ESCALATORS	TOTAL AREA	S0.1 TYPICAL NOTES	CM1 COMMUNICATIONS PLAN	-
CCR TITLE & AND USES THE	AREA INCREASENONE	S0.2 TYPICAL NOTES		-
CR THE O AND USES THE	3,552 ≤ 23,000 = <i>0</i> K	S0.3 TYPICAL CONCRETE DETAILS	POLE LIGHTING	
ON OF 2016 EDITION		S0.4 TYPICAL MASONRY DETAILS	MT1 POLES S1, S2, S4 DRAWINGS	Sand
ON OF STANDPIPE 2016 EDITION		S0.5 TYPICAL METAL DECK DETAILS	MS1 POLE DETAIL	
ED) EXTINGUISHING 2017 EDITION		S0.6 TYPICAL STEEL DETAILS	MD1 ATTACHMENT DETAILS	Architectur
EXTINGUISHING 2017 EDITION		S2.1 FOUNDATION AND FRAMING PLAN	MD2 ATTACHMENT DETAILS	- 1102 INDUSTRY WAY, SUITE A EL CENTRO, CA 92243
ON OF STATIONARY 2016 EDITION		S3.1 WALL ELEVATIONS	MD3 ATTACHMENT DETAILS	760 353 5440
FOR PRIVATE 2013 EDITION		S4.1 WALL SECTIONS	PL3.1 POLE S3 DRAWINGS	Project Title
ON OF PRIVATE FIRE 2016 EDITION NANCES (CA AMENDED) G CODE (CA AMENDED) 2016 EDITION		SX1.1 FOUNDATION DETAILS	PL3.2 POLE S3 ATTACHMENT DETAILS	IMPERIAL VALLEY COLLEC
OTHER OPENING 2016 EDITION		SX2.1 FRAMING DETAILS	PL3.3 POLE S3 DETAILS	
RE EXTINGUISHING 2015 EDITION		SX2.2 FRAMING DETAILS		Sheet Title
FFIRE 2005 EDITION COTECTION OF (R2010)			LANDSCAPE	TITLE SHEET - GENEF
NI DR FIRE ALARM 2003 EDITION DING ACCESSORIES		PLUMBING	L1.0 PLANTING KEY PLAN	
RS FOR FIRE 1999 EDITION		P0.1 LEGEND AND NOTES	L1.1 PLANTING PLAN	Doct
ICES FOR THE 2002 EDITION (R2010)		P0.2 PLUMBING DETAILS	L1.2 PLANTING PLAN	
LDING AND 2017 EDITION NDSTANDS		P0.3 PLUMBING SITE PLAN	L1.3 PLANTING PLAN	JIMMIE SANDERS Date
STANDARDS REFER TO 2019 CBC (SFM) HAPTER 80.		P1 PLUMBING PLANS	L1.4 PLANTING PLAN	
FOR STATE OF CALIFORNIA			L1.5 PLANTING PLAN	
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APPROVALS

BOARD OF SCHOOL TRUSTEES:

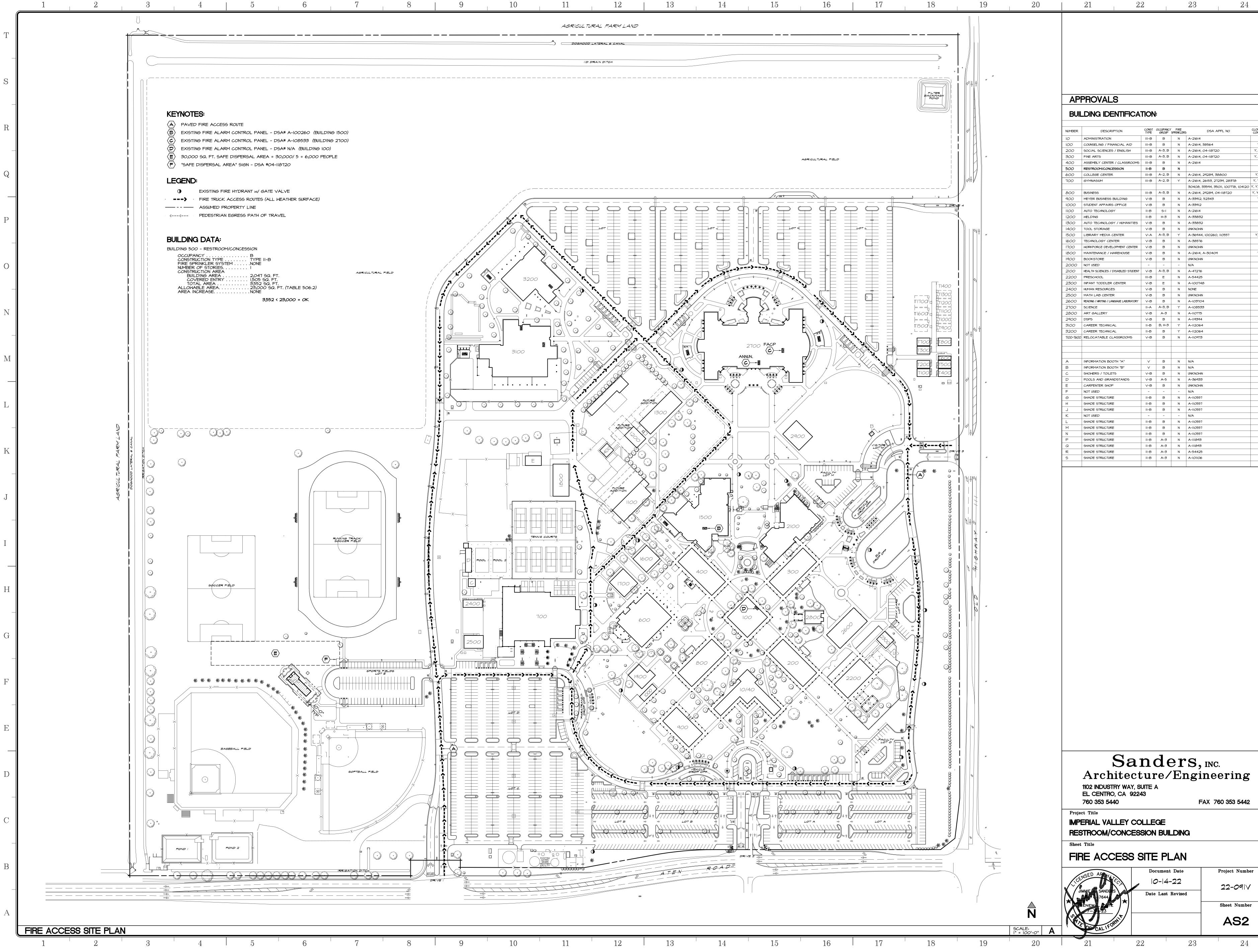
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l. 2.	E BID EXC FURNISH NEW MUSCO WILL BE FURNISHED PORTION OF RESTRO SUPPLY 3, WOMEN'S BASE BID.	SPORT FIELD LI BY MUSCO. DOM AND CONCE	GHTING. THE MUS 5510N BUILDING.	CONCESSION I, 5	TORAGE 2,	P _
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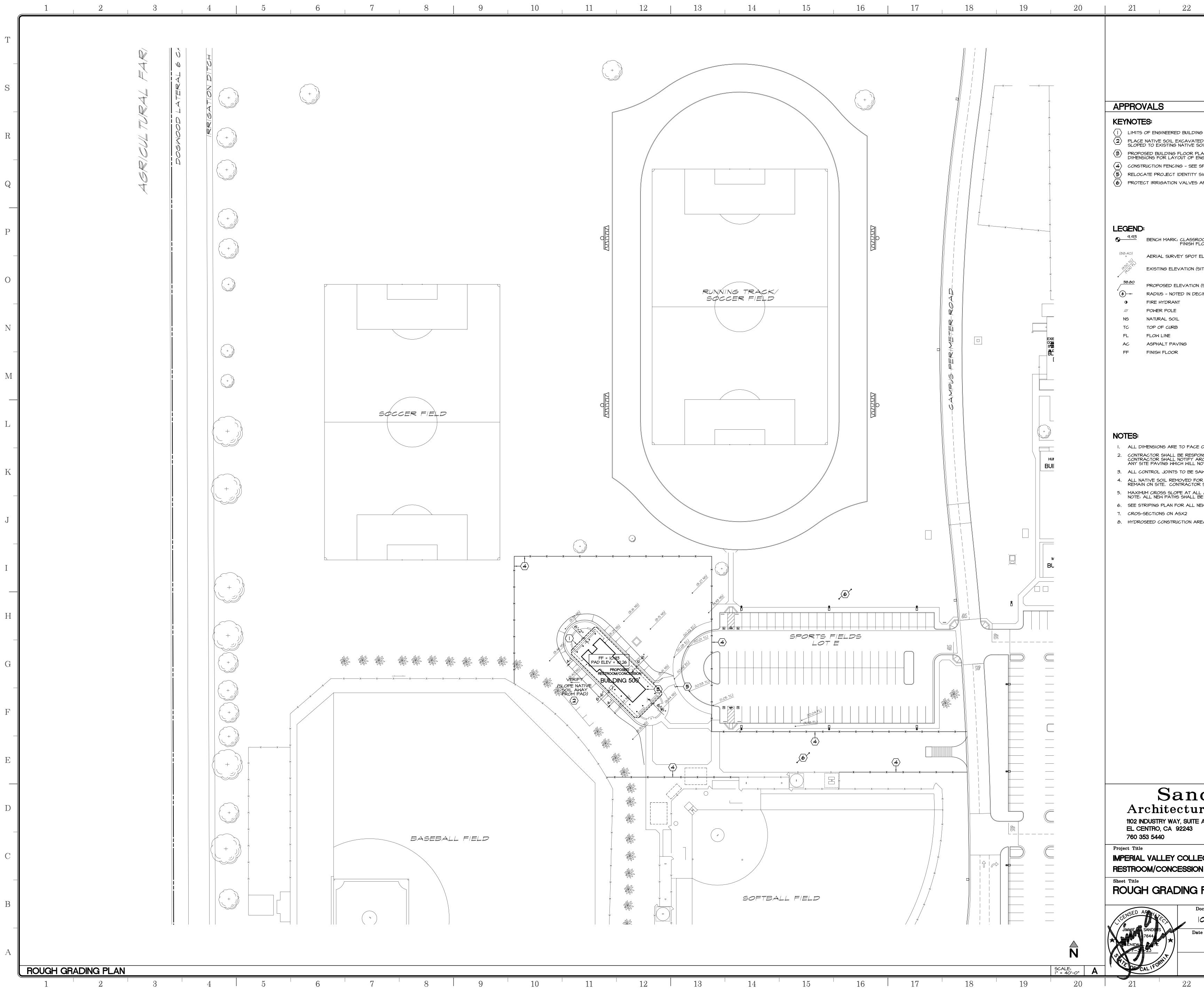
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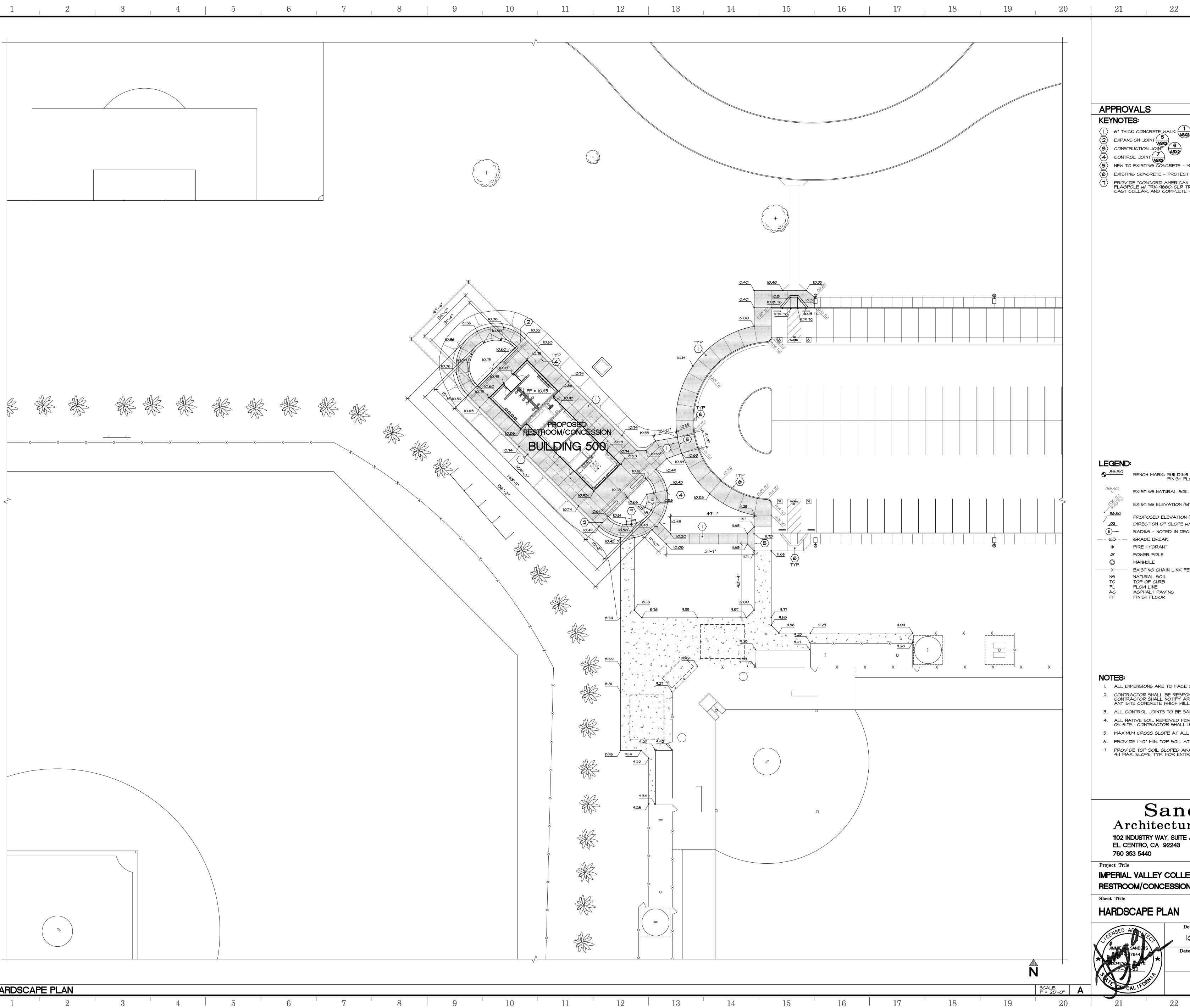
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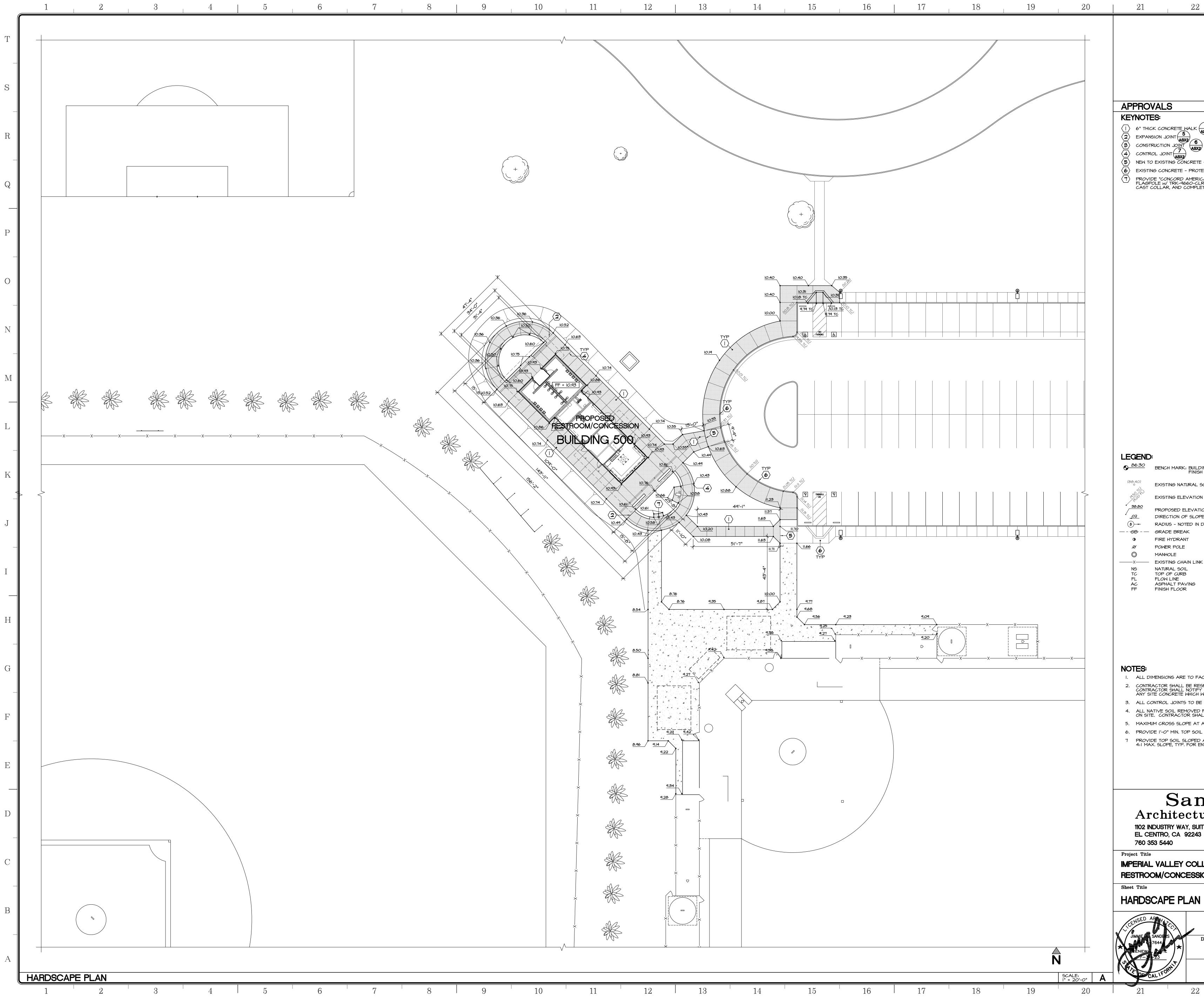
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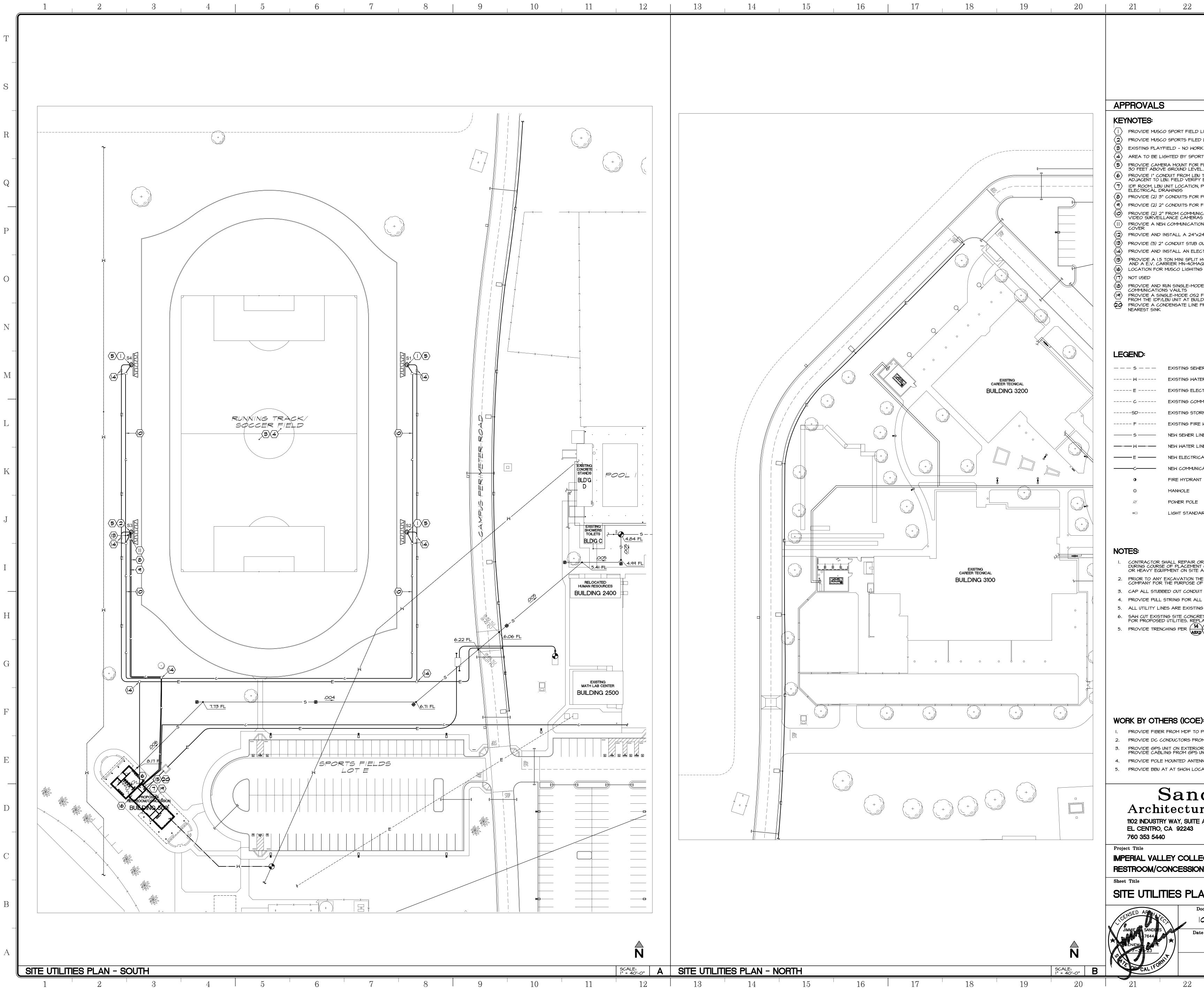
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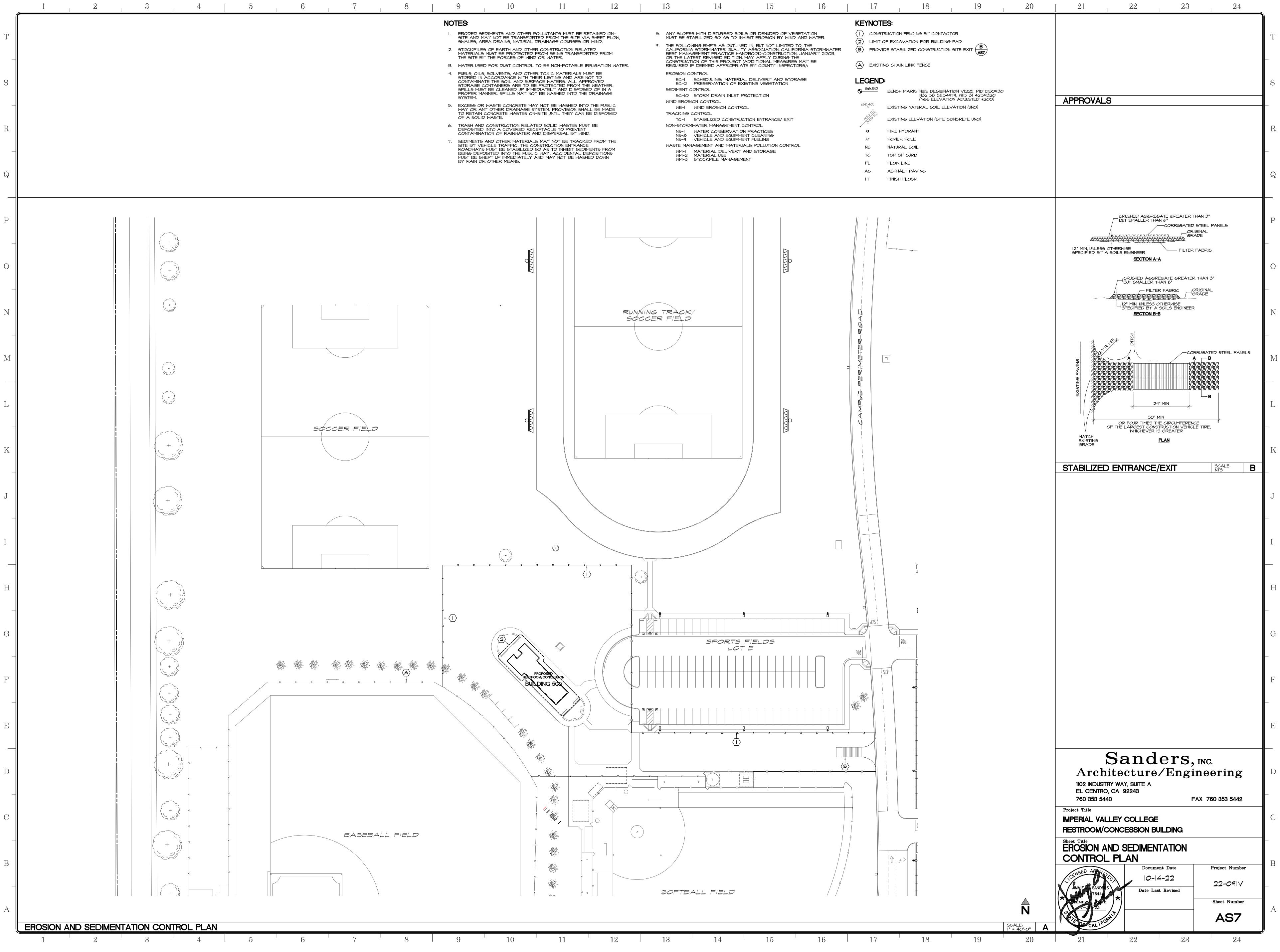


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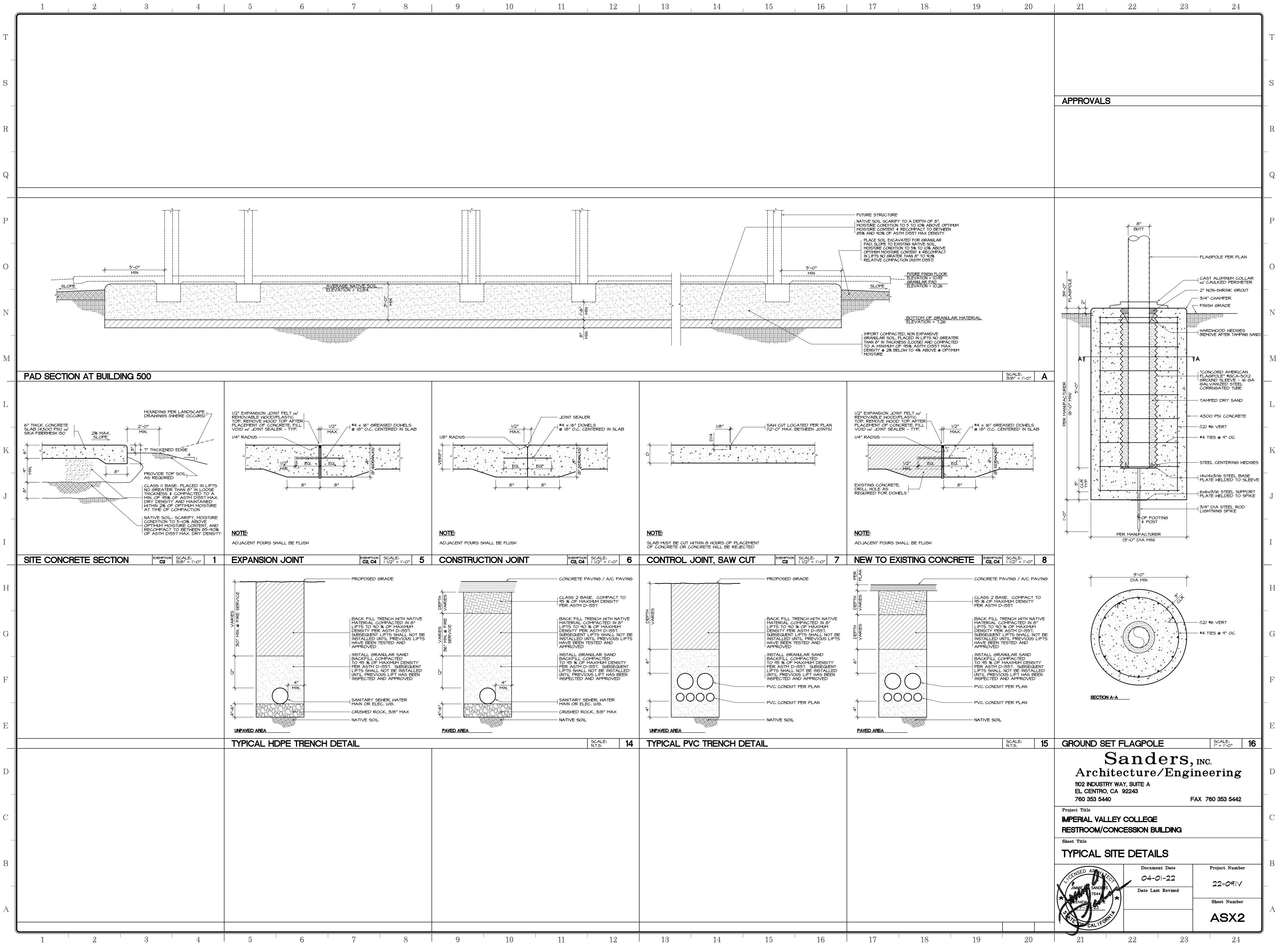


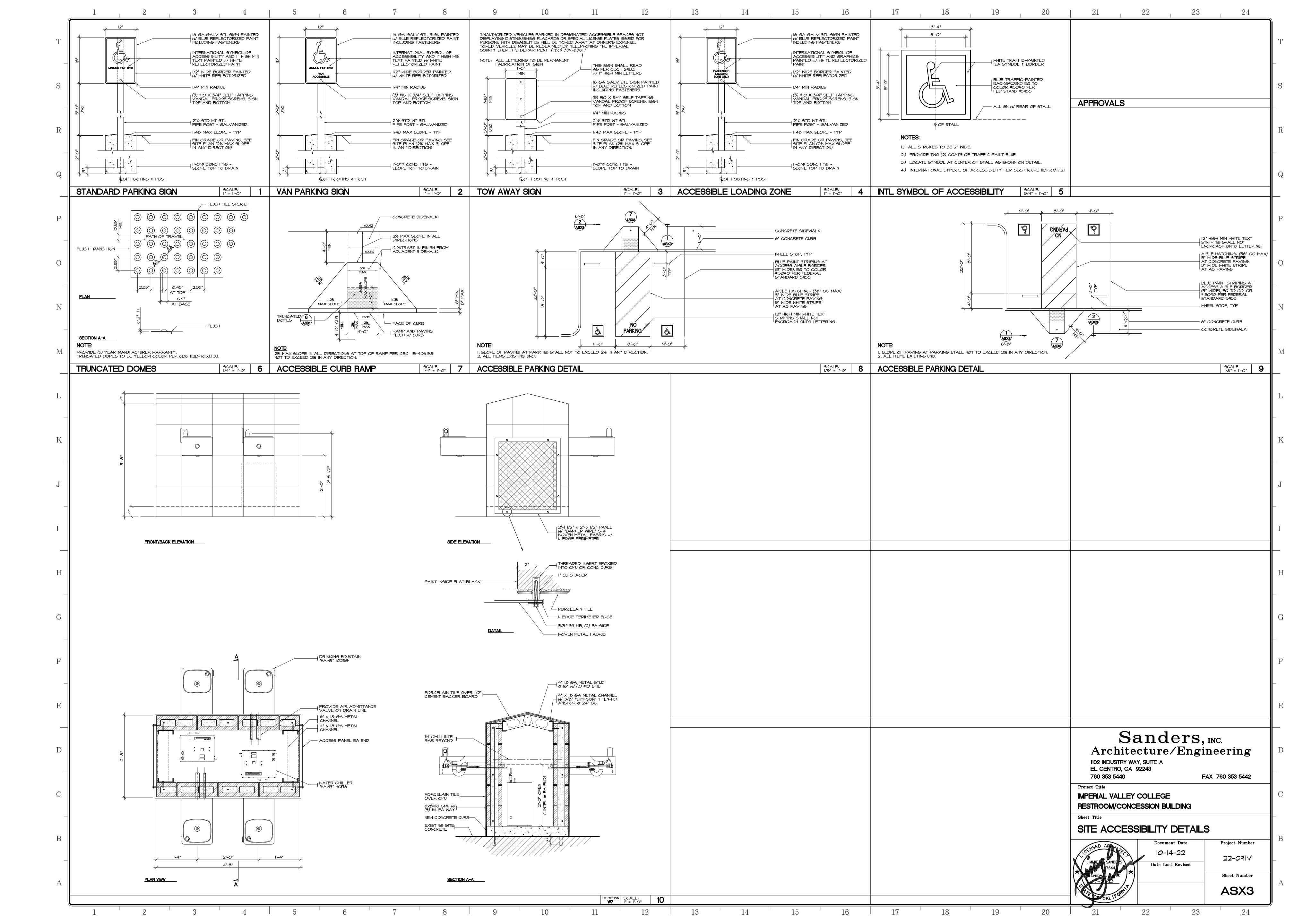
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R FIBER JUMPERS FROM AAU (ANTENNA) TO LBU AT IDF NICATIONS VAULT TO LIGHT STANDARD FOR FUTURE AS IONS PULL BOX: JENSEN 2436 WITH HEAVY DUTY x24"x6" PULLBOX OUTS AT BASE OF POLE FOR FUTURE CELL EQUIPMENT	P
ECTRICAL PULL BOX, SEE ELECTRICAL DRAWINGS T HVAC UNIT, C.U. CARRIER MN-38MAQBI8R-3 OUTDOOR AQI8B - 3 INDOOR, SEE ELECTRICAL DRAWINGS NG CONTROL CABINET	0
DE FIBER LINE THROUGH EXISTING CONDUIT AND 2 FIBER RATED LINE FOR OUTSIDE USE THAT WILL RUN ILDING 500 TO THE MDF AT BUILDING ## 5 FROM THE MINI SPLIT CONDENSATE UNIT TO THE	
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OR REPLACE ANY LINE BROKEN OR DAMAGED NT OF NEW LINES, CONSTRUCTION OF TRENCHING, E AT NO COST TO OWNER. THE SITE SHALL BE VISITED BY A "DIG ALERT" OF LOCATING ALL UNDERGROUND UTILITY LINES. JIT FOR FUTURE.	I
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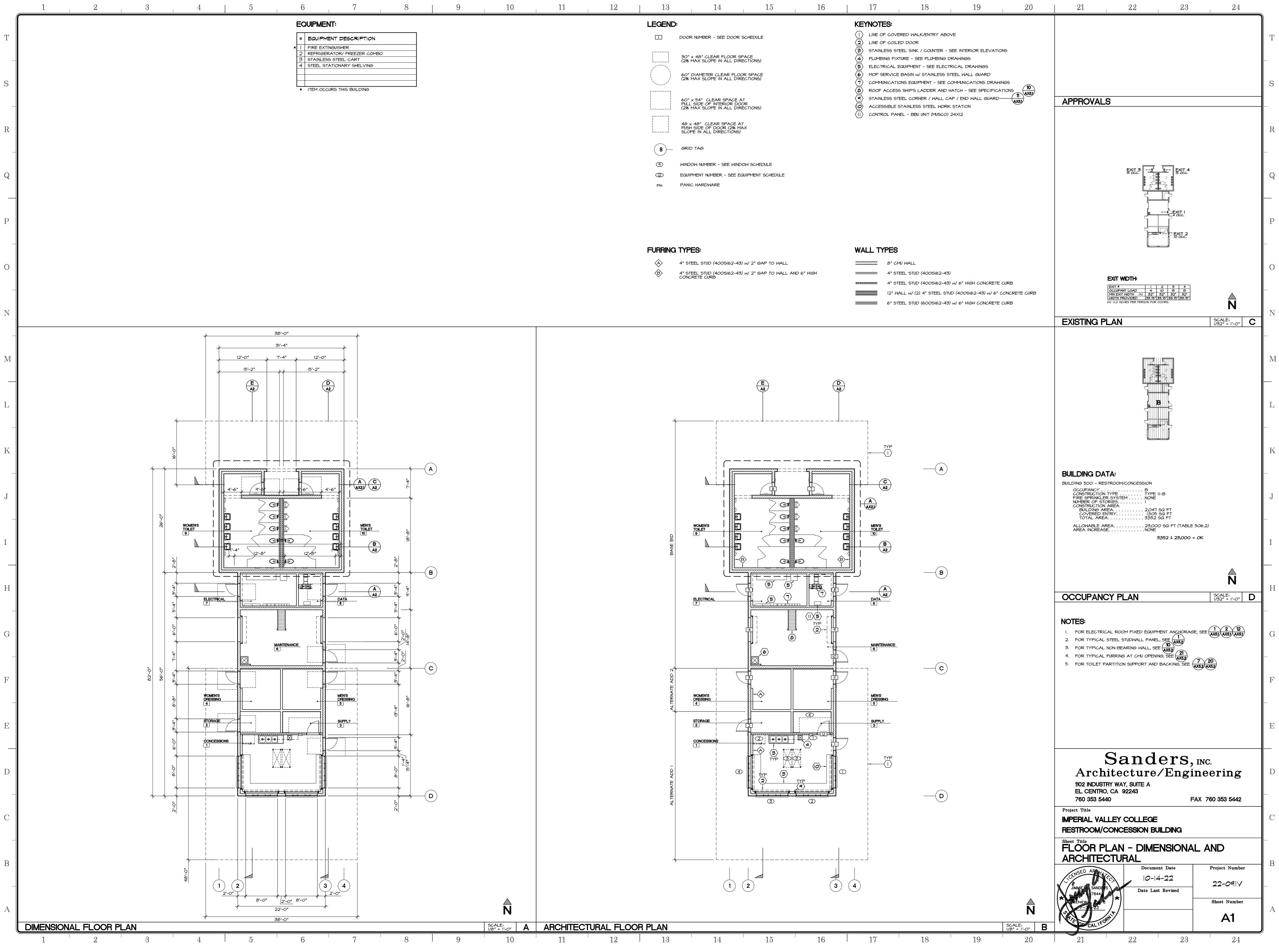


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		٢	 SITE AND N SWALES, A' SWALES, A' STOCKPILE MATERIALS THE SITE B WATER USE FUELS, OILS STORED IN CONTAMINA STORAGE OF PROPER M SYSTEM. EXCESS OF WAY OR A TO RETAIN OF A SOLID TRASH AND DEPOSITED CONTAMINA SEDIMENTS SITE BY VE ROADWAYS BEING DEP MUST BE SI 	MAY NOT BE TRANSPO REA DRAINS, NATURAL S OF EARTH AND OTH MUST BE PROTECTED Y THE FORCES OF WIN D FOR DUST CONTRO 5, SOLVENTS, AND OTH ACCORDANCE WITH T ATE THE SOIL AND SUF CONTAINERS ARE TO BT BE CLEANED UP IMI ANNER. SPILLS MAY N R WASTE CONCRETE M MY OTHER DRAINAGE CONSTRUCTION RELA NOTHER DRAINAGE CONSTRUCTION RELA NOTHER MATERIA AND OTHER MATERIA CONSTRUCTION RELA NOTHER MATERIA AND OTHER MATERIA CONSTRUCTION RELA NOTHER MATERIA	POLLUTANTS MUST BE PRIED FROM THE SITE DRAINAGE COURSES IER CONSTRUCTION RE PROM BEING TRANSF DOR WATER. L TO BE NON-POTABLE IER TOXIC MATERIALS HEIR LISTING AND AR REACE WATERS. ALL A BE PROTECTED FROM MEDIATELY AND DISPO OT BE WASHED INTO T IAY NOT BE WASHED IN SYSTEM. PROVISION S N-SITE UNTIL THEY CA ATED SOLID WASTES N ECEPTACLE TO PREVE AND DISPERSAL BY M ALS MAY NOT BE TRAC CONSTRUCTION ENTRAN D SO AS TO INHIBIT SE LIC WAY. ACCIDENTAL ' AND MAY NOT BE WASHED ' A	VIA SHEET FLOW, OR WIND. ELATED PORTED FROM E IRRIGATION WATER. MUST BE E NOT TO APPROVED THE WEATHER. DSED OF IN A THE DRAINAGE NTO THE PUBLIC HALL BE MADE N BE DISPOSED MUST BE NT NIND. CKED FROM THE NCE EDIMENTS FROM DEPOSITIONS	MUST BE S THE FOLLC CALIFORNI BEST MAN OR THE LA CONSTRUC REQUIRED EROSION C EC-I EC-2 SEDIMENT SC-IO WIND EROS WE-I TRACKING TC-I NON-STORI NS-8 NS-9 WASTE MAI WM-I	SCHEDULING: MATERIAL PRESERVATION OF EXIS CONTROL STORM DRAIN INLET PR SION CONTROL WIND EROSION CONTRO CONTROL STABILIZED CONSTRUCT MWATER MANAGEMENT CO WATER CONSERVATION VEHICLE AND EQUIPMEN VEHICLE AND EQUIPMEN VEHICLE AND EQUIPMEN VEHICLE AND EQUIPMEN NAGEMENT AND MATERIA MATERIAL DELIVERY A MATERIAL USE

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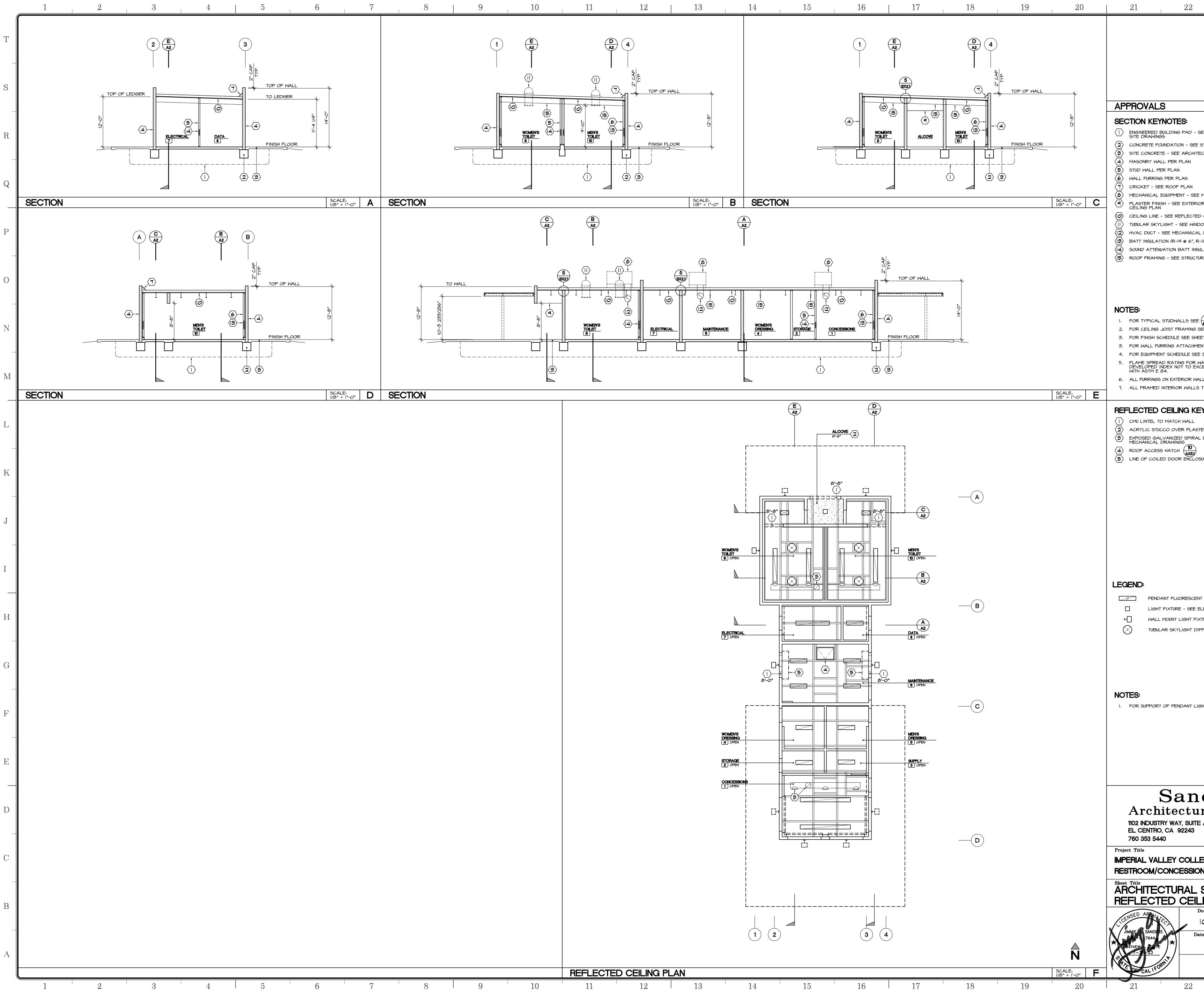




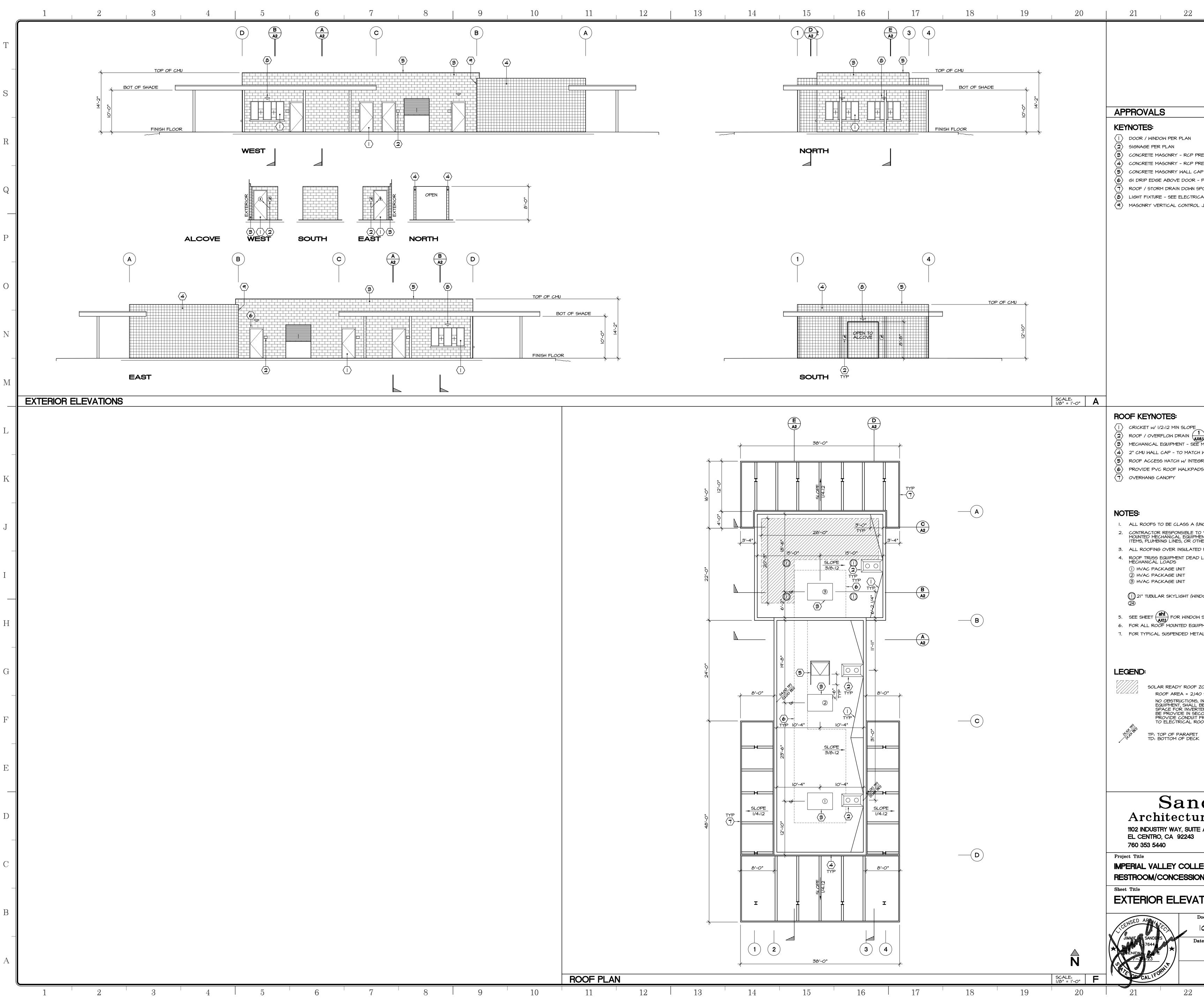


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						LEGEND:		
DESCRIPTION]						DOOR NUMBER -	SEE DOOR SC
HER 2/ FREEZER COMBO	-						30" x 48" CLEA	R FLOOR SPA
EL CART ARY SHELVING	-						30" x 48" CLEAI (2% MAX SLOPE	IN ALL DIREC
	-						60" DIAMETER C (2% MAX SLOPE	LEAR FLOOR IN ALL DIREC
HIS BUILDING	-					· · · · · · · · · · · · · · · · · · ·	60" x 54" CLEA	
							PULL SIDE OF IN (2% MAX SLOPE	TERIOR DOOR IN ALL DIREC
							48 x 48" CLEAI PUSH SIDE OF DO SLOPE IN ALL D	<i>00</i> R (2% MAX
						8	GRID TAG	
						ঀ	WINDOW NUMBER	- SEE WINDOM
							EQUIPMENT NUMB	ER - SEE EQUI
						PH	PANIC HARDWAR	E

FURRIN	G TYPES:
\bigotimes	4" STEEL STUD (4005162-4
B	4" STEEL STUD (4005162-4 CONCRETE CURB

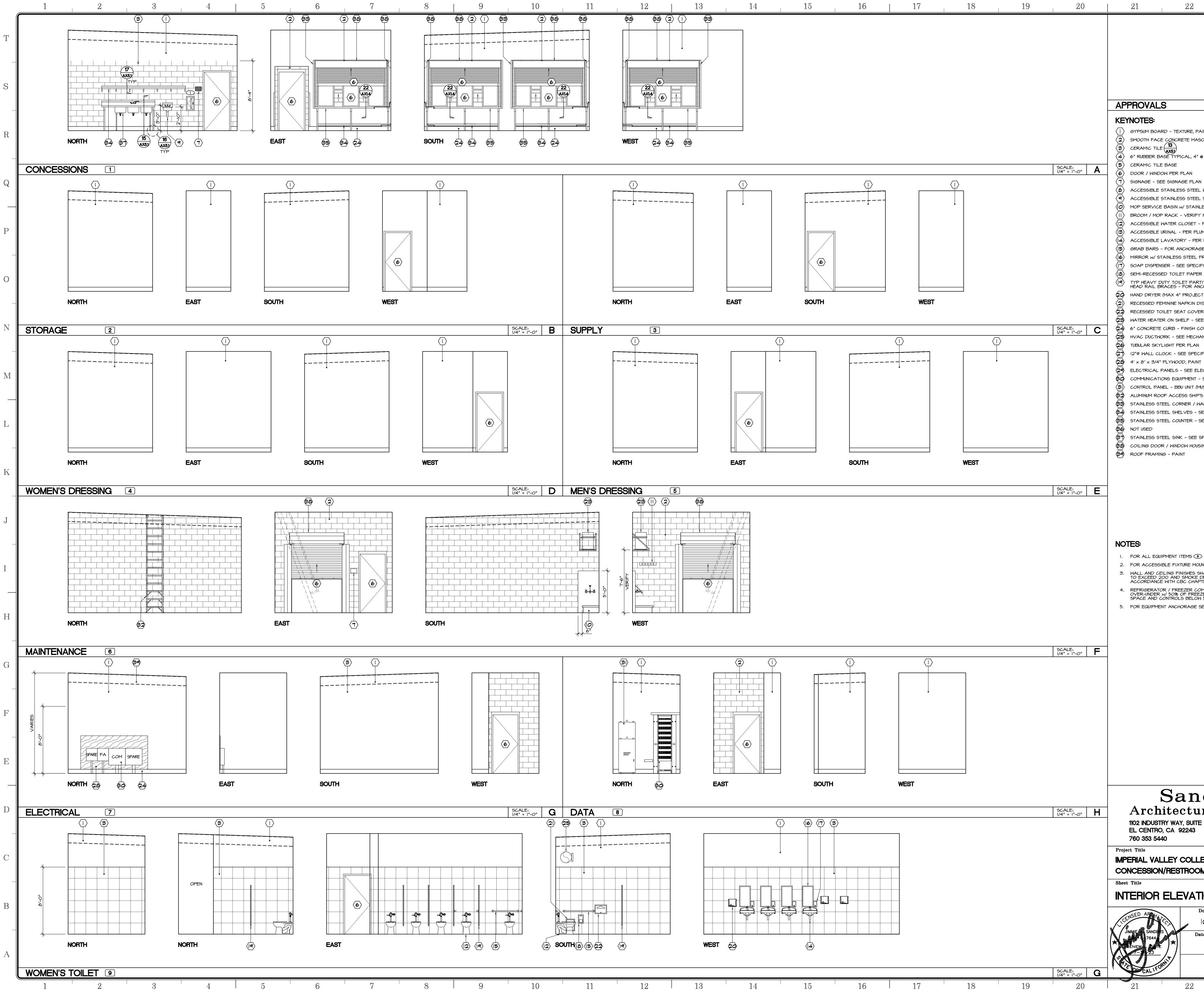


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			Q
E MECHANICAL DRAWING IOR ELEVATIONS OR REI			
ED CEILING LINE IDOW SCHEDULE AL DRAWINGS R-II @ 4") @ EXTERIOR W GULATION @ FRAMED INT TURAL DRAWINGS			_ P
			0
	R PLASTER .	LATH SEE 7) N
E SHEET WALL INSULATION NOT T XCEED 450 WHEN TESTED ALLS TO HAVE BATT INSU 5 TO HAVE SOUND ATTED) IN ACCOR	RDANCE 9 @ 6", R-11 @ 4";	, M
EYNOTES: STER AL DUCTWORK - PAINT A	CCENT COL	OR, SEE	L
DSURE BELOW CEILING			– K
			J
			Ι
NT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS IXTURE - SEE ELECTRICA NFFUSER - SEE SPECIFIC	AL DRAWING		H
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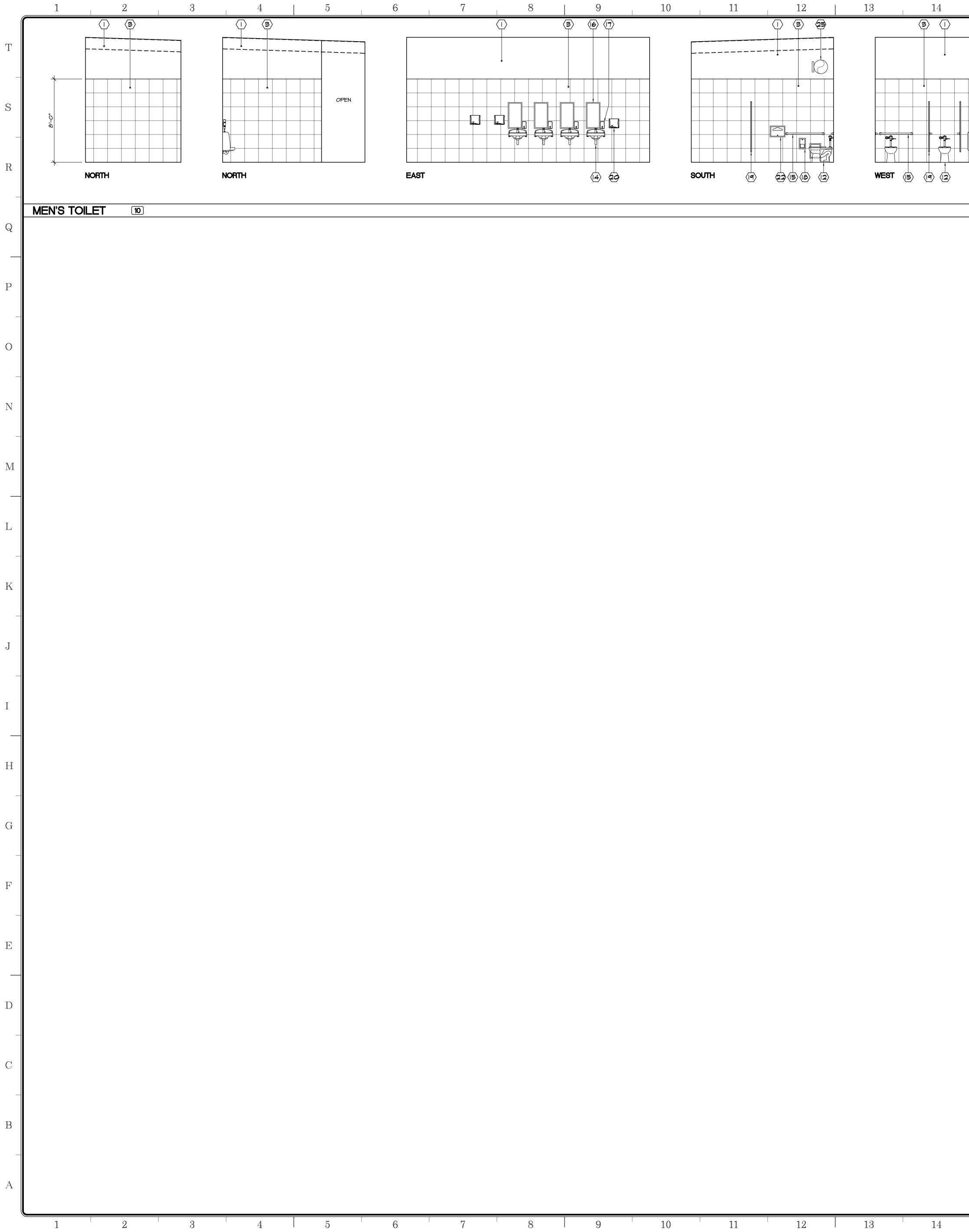


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RECISION BLOCK "BUFF AP - TO MATCH WALL - PAINT TO MATCH DOO 5POUT NOZZLE - SEE PL CAL DRAWINGS - JOINT AT PILASTER -	OR LUMBING DRAWIN		Q
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1 (6) MECHANICAL DRAWIN			 L
H WALL GRATED FALL PROTEC DS	TION RAILING	10 AX51	K
UNO) W/ MODIFIED BITU O VERIFY EXACT PLAC 1ENT TO AVOID CONFLI 1HER MECHANICAL EQUI D ROOF SHALL BE PER	CEMENT OF ROOM CTS WITH ELECT PMENT.	F	J
D LOADS: HP-1 HP-2 HP-3 NDOW NUMBER NOTED)	AX61/	626 lb 330 lb 620 lb 30 lb	Ι
N SCHEDULE IPMENT FLASHING, SEE FAL FRAMING TOP, SEE	17 AX61 AX52		Η
ZONE O SF x 15% = 321 SF R			G
, INCLUDING VENTS OR BE LOCATED IN THE SO TER AND METERING EG COND FLOOR ELECTRIC FROM ABOVE CEILING DOM.	ROOF MOUNTED OLAR ZONE. WIPMENT SHALL	Ē	F
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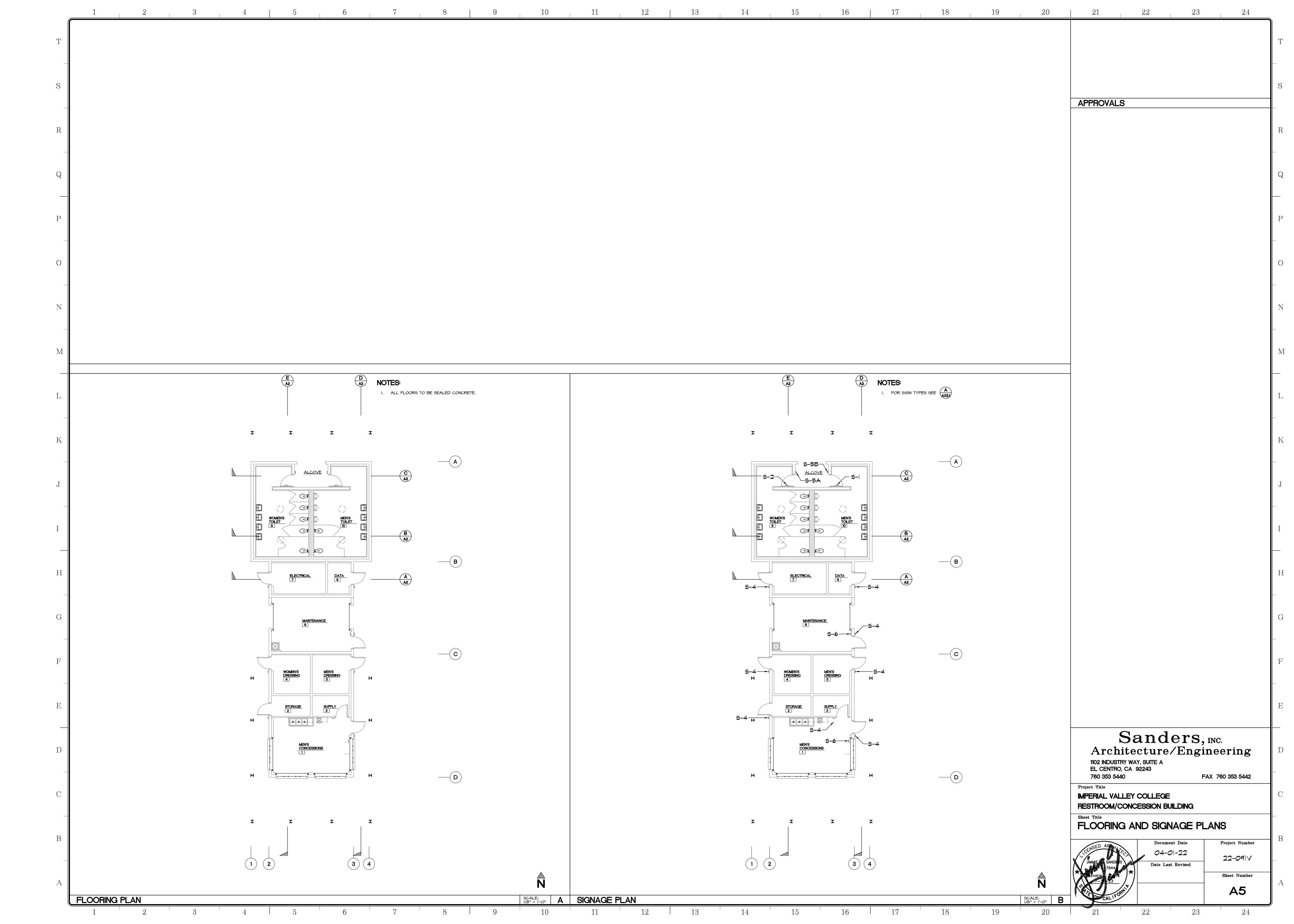


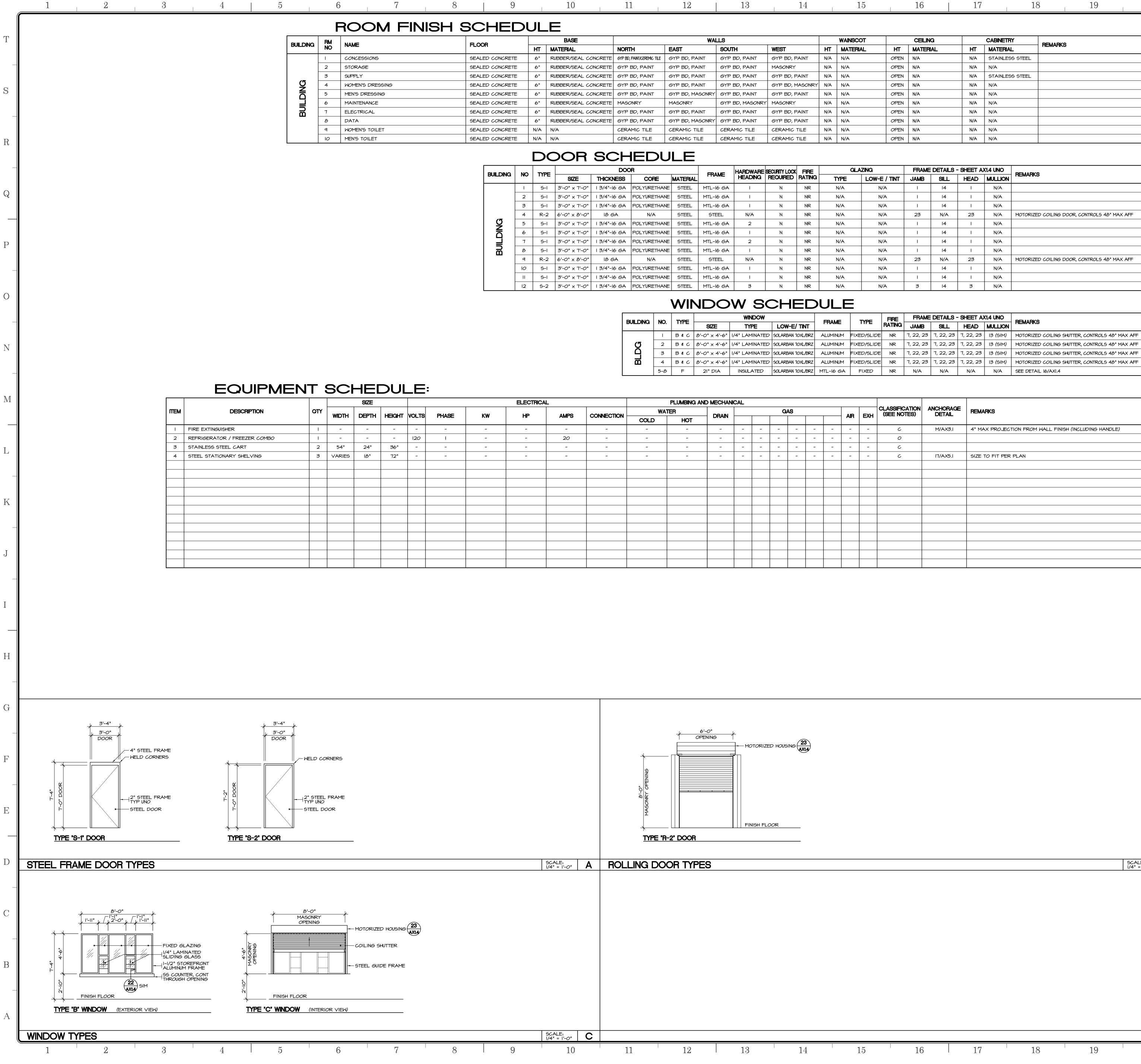
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°AINT SONRY ' @ CABINET TOE KICK		R
N EL WORK STATION EL SINK - PER PLUMBING		Q
NLESS STEEL WALL GUAN Y MOUNTING HEIGHT - SE - PER PLUMBING DRAWIN LUMBING DRAWINGS R PLUMBING DRAWINGS NGE SEE (E) AX31)		Р
FRAME - SEE SPECIFICA CIFICATIONS ER HOLDER - SEE SPECIFICA RTITION, NCHORAGE SEE 20 AX52 CTION) - SEE SPECIFICA DISPOSAL - SEE SPECIFICA	FICATIONS	0
ER DISPENSER - SEE SF EE PLUMBING DRAWINGS CONCRETE SMOOTH HANICAL DRAWINGS N	PECIFICATIONS	N
CIFICATIONS NT LECTRICAL DRAWINGS - SEE COMMUNICATIONS MUSCO) P'S LADDER - SEE SPEC		M
WALL CAP / END WALL & SEE SPECIFICATIONS SEE SPECIFICATIONS SPECIFICATIONS	SUARD	L
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DENSITY NOT TO EXCEE $PTER \mathcal{B}$.	RK	I
EZER SPACE BELOW 54" W 54" AND SHALL BE SE SEE 12 AX51	, 100% OF REFRIGERATOR ELF-DEFROSTING.	H
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		17 18	19	20		T
				CALE: /4" = "-0" A	 SMOOTH FACE CONCRETE MASONRY CERAMIC TILE (1) CERAMIC TILE (1) G" RUBBER BASE TYPICAL, 4" @ CABINET TOE KICK CERAMIC TILE BASE DOOR / WINDOW PER PLAN SIGNAGE - SEE SIGNAGE PLAN ACCESSIBLE STAINLESS STEEL WORK STATION ACCESSIBLE STAINLESS STEEL SINK - PER PLUMBING DRAWINGS MOP SERVICE BASIN W/ STAINLESS STEEL WALL GUARD - SEE PLUMBING DRAWINGS BROOM / MOP RACK - VERIFY MOUNTING HEIGHT - SEE SPECIFICATIONS ACCESSIBLE WATER CLOSET - PER PLUMBING DRAWINGS ACCESSIBLE WATER CLOSET - PER PLUMBING DRAWINGS ACCESSIBLE LAVATORY - PER PLUMBING DRAWINGS ACCESSIBLE LAVATORY - PER PLUMBING DRAWINGS MIRROR W/ STAINLESS STEEL FRAME - SEE SPECIFICATIONS SOAP DISPENSER - SEE SPECIFICATIONS SEMI-RECESSED TOILET PAPER HOLDER - SEE SPECIFICATIONS TYP HEAVY DUTY TOILET PARTITION, HEAD RAIL BRACES - FOR ANCHORAGE SEE (20) 	R Q P - O
					 CONTROL PANEL - BBU UNIT (MUSCO) ROOF ACCESS LADDER - SEE SPECIFICATIONS STAINLESS STEEL CORNER / WALL CAP / END WALL GUARD STAINLESS STEEL SHELVES - SEE SPECIFICATIONS STAINLESS STEEL COUNTER - SEE SPECIFICATIONS NOT USED STAINLESS STEEL SINK - SEE SPECIFICATIONS COILING DOOR / WINDOW HOUSING ROOF FRAMING - PAINT 	N M
					 NOTES: 1. FOR ALL EQUIPMENT ITEMS (*) - SEE EQUIPMENT SCHEDULE 2. FOR ACCESSIBLE FIXTURE MOUNTING HEIGHTS SEE SHEET (B, K) 3. WALL AND CEILING FINISHES SHALL MEET CLASS C, FLAME SPREAD RATING NOT TO EXCEED 200 AND SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC CHAPTER 8. 3. REFRIGERATOR / FREEZER COMBO REQUIRED TO BE "SIDE BY SIDE" OR OVER-UNDER W/ 50% OF FREEZER SPACE BELOW 54", 100% OF REFRIGERATOR SPACE AND CONTROLS BELOW 54" AND SHALL BE SELF-DEFROSTING. 5. FOR EQUIPMENT ANCHORAGE SEE (200) 	- J - H
						G F E
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FLOOR		BASE		I	WALLS			WAIN			CEILING			CABINETRY	REMARKS			
	нт	MATERIAL	NORTH	EAST	SOUTH	WEST					MATERIAL	_	нт	MATERIAL				
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE	E GYP BD, PAINT/CEREMIC TILE	GYP BD, PAINT		GYP BD, PAIN	T N	VA N/A			N/A		N/A	STAINLESS ST	reel			
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE	GYP BD, PAINT	GYP BD, PAINT		MASONRY		VA N/A		OPEN	N/A		N/A	N/A				
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE		GYP BD, PAINT		GYP BD, PAIN		VA N/A		OPEN	N/A		N/A	STAINLESS ST	reel			
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE		GYP BD, PAINT		GYP BD, MAS	ONRY N	VA N/A		OPEN	N/A		N/A	N/A				
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE		GYP BD, MASC		GYP BD, PAIN		VA N/A		OPEN	N/A		N/A	N/A				
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE		MASONRY	GYP BD, MASON			VA N/A		OPEN	N/A		N/A	N/A				
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE		GYP BD, PAINT		GYP BD, PAIN		VA N/A		OPEN			N/A	N/A				 APPROVALS
SEALED CONCRETE	6"	RUBBER/SEAL CONCRETE	GYP BD, PAINT	GYP BD, MASC	ONRY GYP BD, PAINT	GYP BD, PAIN	T N	VA N/A		OPEN			N/A	N/A				ROOM FINISH SC
SEALED CONCRETE	N/A		CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		VA N/A		OPEN			N/A	N/A				
SEALED CONCRETE	N/A	N/A	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	E N	VA N/A	(OPEN	N/A		N/A	N/A				 I. ALL OUTSIDE GYP- SHALL BE FINISHEI
BUILDING		POOR SC		JLE		E SECURITY LOCK F		(GLAZING		FRAME D)ETAILS -	SHEET A	X1.4 UNO	MARKS			CORNER BEAD. 2. GYPSUM BOARD F "LIGHT SKIP TROW 3. ALL INTERIOR FINIS CFC CHAPTER 8, A
		SIZE THICK	NESS CORE	MATERIAL		REQUIRED RA		TYPE	LOW-E / T	INT	JAMB	SILL	HEAD	MULLION				4. SLIP RESISTANT T
	S	5-1 3'-0" x 7'-0" I 3/4"-	16 GA POLYURETHA	NE STEEL 1	MTL-I6 GA I	N 1	NR	N/A	N/A		Ι	14		N/A				 SUFFICIENT ABRAS
2	2 5	5-1 3'-0" x 7'-0" 3/4"-	16 GA POLYURETHA	NE STEEL 1	MTL-I6 GA I	N 1	NR	N/A	N/A		Ι	14	Ι	N/A				THAN 0.6 FOR WA
3	3 5	5-1 3'-0" x 7'-0" 3/4"-	16 GA POLYURETHA	NE STEEL M	MTL-16 GA I	N I	NR	N/A	N/A			14	Ι	N/A				5. ALL ONE HOUR RA
4	1 R	-2 6'-0" x 8'-0" I8 (GA N/A	STEEL	STEEL N/A	N	NR	N/A	N/A		23	N/A	23	N/A MC	DTORIZED COILING DOOR	R, CONTROLS 48	B" MAX AFF	AS PER C.B.C. TA
	5 5	5-1 3'-0" x 7'-0" 3/4"-	16 GA POLYURETHA	NE STEEL I	MTL-16 GA 2	N 1	NR	N/A	N/A		I	14	I	N/A				6. ALL INTERIOR FIN
	5 5	5-1 3'-0" x 7'-0" 3/4"-	16 GA POLYURETHA	NE STEEL 1	MTL-16 GA I	N 1	NR.	N/A	N/A		I	14	I	N/A				CLASS II W/ AN IN 7. SEE SHEET (AX14) F
		- 3'-0" × 7'-0" 3/4"-						N/A	Ν/Δ			14	1	Ν/Δ				I. SEE SHEET (AX14)

-INISH		DL	JLI															I			
	FLOOR		нт	BASE		IORTH	EAST	WALLS	UTH	WEST		WAINS				нт	CABINETRY MATERIAL	REM	IARKS		
	SEALED CONCRE			RUBBER/SEAL CON		SYP BD, PAINT/CEREMIC TILE	GYP BD, PAI		P BD, PAINT	GYP BD, PAI		N/A		N/A		N/A	STAINLESS	STEFI			
	SEALED CONCRE			RUBBER/SEAL CON		•	GYP BD, PAI		P BD, PAINT	MASONRY		N/A		N/A		N/A	N/A				
	SEALED CONCRE			RUBBER/SEAL CON		SYP BD, PAINT	GYP BD, PAII		P BD, PAINT	GYP BD, PAI		N/A		N/A		N/A	STAINLESS	STEEL			
	SEALED CONCRE		6"	RUBBER/SEAL CO	NCRETE 6	SYP BD, PAINT	GYP BD, PAII		P BD, PAINT	GYP BD, MA	SONRY NA	N/A	OPEN	N/A		N/A	N/A				
	SEALED CONCRE	TE	6"	RUBBER/SEAL CO	NCRETE 6	SYP BD, PAINT	GYP BD, MAS	ONRY GY	P BD, PAINT	GYP BD, PAI	NT N/A	N/A	OPEN	N/A		N/A	N/A				
	SEALED CONCRE	TE	6"	RUBBER/SEAL CON	NCRETE M	1ASONRY	MASONRY	GY	P BD, MASONRY	MASONRY	N/A	N/A	OPEN	N/A		N/A	N/A				
	SEALED CONCRE	TE	6"	RUBBER/SEAL CO	NCRETE 6	SYP BD, PAINT	GYP BD, PAII	NT GY	P BD, PAINT	GYP BD, PAI	NT N/A	N/A	OPEN	N/A		N/A	N/A				APPROVA
	SEALED CONCRE	TE	6"	RUBBER/SEAL CO	NCRETE 6	SYP BD, PAINT	GYP BD, MAS	ONRY GY	P BD, PAINT	GYP BD, PAI	NT N/A	N/A	OPEN	N/A		N/A	N/A				
	SEALED CONCRE	TE	N/A	N/A	C	CERAMIC TILE	CERAMIC TIL	E CE	RAMIC TILE	CERAMIC TIL	.E N/A	N/A	OPEN	N/A		N/A	N/A				ROOM FINIS
	SEALED CONCRE	TE	N/A 1	N/A	C	CERAMIC TILE	CERAMIC TIL	E CE	RAMIC TILE	CERAMIC TIL	.E N/A	N/A	OPEN	N/A		N/A	N/A				I. ALL OUTSIE SHALL BE I
							JLE		HARDWARE	SECURITY LOCK	FIRE	G	LAZING	FRAME	DETAILS -	SHEET A	X1.4 UNO				CORNER BE 2. GYPSUM BC "LIGHT SKII 3. ALL INTERI CEC CURP
	BUILDING	NO		SIZE	THICKNES	SS CORE	MATERIAL	FRAME	HEADING	REQUIRED R		TYPE	LOW-E / TINT	JAMB	SILL	HEAD	MULLION	REMARKS			CFC CHAPT 4. SLIP RESIS
		I	5-1	3'-0" × 7'-0"	3/4"-16 6	SA POLYURETHAI	NE STEEL	MTL-16 <i>GA</i>	× I	N	NR	N/A	N/A		14		N/A				4. SLIP RESIS SUFFICIENT COEFFICIEN
		2	5-1	3'-0" x 7'-0"	3/4"-16 6	SA POLYURETHAI	NE STEEL	MTL-16 <i>GA</i>	× I	N	NR	N/A	N/A	I	14	Ι	N/A				THAN 0.6 F TESTED IN
		3	S-I	3'-0" × 7'-0"	3/4"-16 6	SA POLYURETHAI	NE STEEL	MTL-16 GA	× I	N	NR	N/A	N/A	Ι	14	I	N/A				5. ALL ONE H
		4	R-2	6'-0" × 8'-0"	18 GA	N/A	STEEL	STEEL	N/A	N	NR	N/A	N/A	23	N/A	23	N/A	MOTORIZED COIL	ING DOOR, CONTROLS 48	" MAX AFF	AS PER C.E
		5	5-1		3/4"-16 6			MTL-16 GA	2	N	NR	N/A	N/A		14	I	N/A				6. ALL INTERI CLASS II M
		6	5-1	3'-0" x 7'-0"	3/4"-16 6	SA POLYVRETHAI	NE STEEL	MTL-16 GA	×	N	NR	N/A	N/A	Ι	4	I	N/A				7. SEE SHEET

	9			10	I	11	.	12		13	14		15		16		17	I	18	19	20	21	22
CH	EC		JL	E																			
LOOR				BASE					WALL	S			WAINSCOT		CEILIN	G		CABINETRY		ARKS]		
			нт	MATERIAL		NORTH	H	EAST	٤	SOUTH	WEST	нт	MATERIAL	нт	MATERI	AL	нт	MATERIAL					
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	gyp BD, p	PAINT/CEREMIC TILE	GYP BD, PA	NNT E	SYP BD, PAINT	GYP BD, PAINT	N/A	N/A	OPEN	N/A		N/A	STAINLESS STEE	L				
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	GYP B	3D, PAINT	GYP BD, PA	NNT E	SYP BD, PAINT	MASONRY	N/A	N/A	OPEN	N/A		N/A	N/A					
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	GYP B	3D, PAINT	GYP BD, PA	NNT E	SYP BD, PAINT	GYP BD, PAINT	N/A	N/A	OPEN	N/A		N/A	STAINLESS STEE	L				
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	GYP B	3D, PAINT	GYP BD, PA	NNT E	SYP BD, PAINT	GYP BD, MASONRY	r N/A	N/A	OPEN	N/A		N/A	N/A					
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	GYP B	3D, PAINT	GYP BD, MA	SONRY 6	SYP BD, PAINT	GYP BD, PAINT	N/A	N/A	OPEN	N/A		N/A	N/A					
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	MASON	NRY	MASONRY	e	SYP BD, MASONRI	MASONRY	N/A	N/A	OPEN	N/A		N/A	N/A					_
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	GYP B	3D, PAINT	GYP BD, PA	NNT E	SYP BD, PAINT	GYP BD, PAINT	N/A	N/A	OPEN	N/A		N/A	N/A				APPROVALS	5
EALED CC	NCRETE		6"	RUBBER/SEAL CO	ONCRETE	GYP B	3D, PAINT	GYP BD, MA	SONRY 6	SYP BD, PAINT	GYP BD, PAINT	N/A	N/A	OPEN	N/A		N/A	N/A					
EALED CC	NCRETE	1	N/A	N/A		CERAN	MIC TILE	CERAMIC TI	LE C	CERAMIC TILE	CERAMIC TILE	N/A	N/A	OPEN	N/A		N/A	N/A			_	ROOM FINISH	SCHEDUL
EALED CC	NCRETE	١	N/A	N/A		CERAN	MIC TILE	CERAMIC TI	LE C	CERAMIC TILE	CERAMIC TILE	N/A	N/A	OPEN	N/A		N/A	N/A			_	I. ALL OUTSIDE (GYP-BRD CORNE SHED WITH "BULL
[OOR	SC			ILE			SECURITY LOCK FIRE		GLAZING	[FRAME	DETAILS	- SHEET A	X1.4 UNO			1	"LIGHT SKIP T 3. ALL INTERIOR	RD FINISH AT WA ROWEL". PROVII FINISHES SHALL
BUIL	.DING	NO	TYPE	SIZE	THICKN		CORE	MATERIAL			REQUIRED RATING	i	TYPE LOW-E	/ TINT	JAMB	SILL	HEAD		ARKS				8, AND CCR TH
		1	S-I	3'-0" × 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	GA I	N NR		N/A N/	4	Ι	14		N/A				SUFFICIENT AB	NT TILE: SLIP RI BRASIVES ADDEI
		2	S-I	3'-0" × 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	SA I	N NR		N/A N/	4	I	14	I	N/A			1	THAN 0.6 FOR	OF FRICTION WE
		3	S-I	3'-0" × 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	SA I	N NR		N/A N//	4	I	14	I	N/A			1		CORDANCE W/ A
		4	R-2	6'-0" × 8'-0"	18 G	A	N/A	STEEL	STEEL	- N/A	N NR		N/A N//	4	23	N/A	23	N/A MOTO	RIZED COIL	ING DOOR, CONTROLS 48" MAX AFF		5. ALL ONE HOUR AS PER C.B.C.	TABLE 720.1, 14
	<u>כ</u> ר	5	S-I	3'-0" x 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-16	SA 2	N NR		N/A N//	4	I	14	I	N/A				6. ALL INTERIOR CLASS II W/ A	FINISHES SHALL
		6	S-I	3'-0" x 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-16	SA I	N NR		N/A N//	4	I	14	I	N/A					N INDEX OF 26-
		٦	S-I	3'-0" x 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-16	SA 2	N NR		N/A N//	4	I	14	I	N/A				1. SEE SHEET W	FOR FLOORI
	ភ 🗌	8	S-I	3'-0" x 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	SA I	N NR		N/A N//	4	I	4	I	N/A					
		٩	R-2	6'-0" × 8'-0"	18 G	A	N/A	STEEL	STEEL	- N/A	N NR		N/A N//	4	23	N/A	23	N/A MOTO	RIZED COIL	ING DOOR, CONTROLS 48" MAX AFF	1		
		10	S-I	3'-0" × 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	SA I	N NR		N/A N//	4	I	4	1	N/A			1		
		11	S-I	3'-0" × 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	SA I	N NR		N/A N//	4	I	14		N/A			1		
		12	5-2	3'-0" × 7'-0"	3/4"-16	6 GA	POLYURETHANE	E STEEL	MTL-I6	5A 3	N NR		N/A N/	4	3	14	3	N/A				DOOR SCHEE	DULE NOTE

TYPE

 FIRE
 FRAME DETAILS - SHEET AX1.4 UNO
 REMARKS

 RATING
 JAMB
 SILL
 HEAD
 MULLION

N/A SEE DETAIL 16/AXI.4

BUILDING	NO.	TYPE			FRA	
DUILDING	NO.		SIZE	TYPE	LOW-E/ TINT	гпА
	-	B∉C	8'-0" x 4'-6"	1/4" LAMINATED	SOLARBAN TOXL/BRZ	ALUM
Q	2	B≰C	8'-0" × 4'-6"	1/4" LAMINATED	SOLARBAN TOXL/BRZ	ALUM
Ą	з	B≰C	8'-0" × 4'-6"	1/4" LAMINATED	SOLARBAN TOXL/BRZ	ALUM
В	4	B&C	8'-0" x 4'-6"	1/4" LAMINATED	SOLARBAN TOXL/BRZ	ALUM
	5-8	F	21" DIA	INSULATED	SOLARBAN TOXL/BRZ	MTL-lé

					A 1		PLUMBING AND MECHANICAL													
				ELECTRICA				PLUMBING AN												
	VOLTS	PHASE	ĸw	HP		CONNECTION	WA	TER	DRAIN			G/	48				EXH	CLASSIFICATION (SEE NOTES)	ANCHORAGE DETAIL	REMARKS
EGETT	VOLIS	FRASE	N W		AMPS		COLD	НОТ												
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	M/AX3.I	4" MAX PROJECTION FROM WALL FINISH (INCLUDING HANDLE)
-	120	I	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	0		
36"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	С		
72"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	17/AX5.I	SIZE TO FIT PER PLAN
															1					

- 2. SEE A F FOR SIGNAGE.
- 3. ALL DOOR THRESHOLD SHALL
- 4. FOR LIGHTED EXIT SIGNS SEE E
- 5. TACTILE SIGNAGE AT EXIT DOC "EXIT ROUTE" AT DOORS LEADII
- 6. MINIMUM FRAME LAP AT GLAZIN GLASS EDGE CLEARANCE IS 1/8 7. EACH GLAZING LIGHT SHALL BE THE TYPE AND THICKNESS OF G AGENCY, LABELS MAY BE OMITT MATERIALS, PROVIDED AN AFFI CONTRACTOR CERTIFYING THAT
- WITH APPROVED PLANS AND S 8. EACH LIGHT OF SAFETY GLAZIN PERMANENT LABEL THAT SPECIF OR INSTALLER, AND STATE THAT IN SUCH INSTALLATION AND SHA REMOVED. THE IDENTIFICATION S GLASS AND READABLE FROM T
- 9. GLAZING AT EXTERIOR DOOR S
- IO. MAXIMUM EFFORT TO OPERATE (CBC 1008.1.2).
- II. ALL EXIT DOORS SHALL OPERA EFFORT OR TOOLS 12. FOR HARDWARE HEADINGS SEE

WINDOW SCHEDULE NO

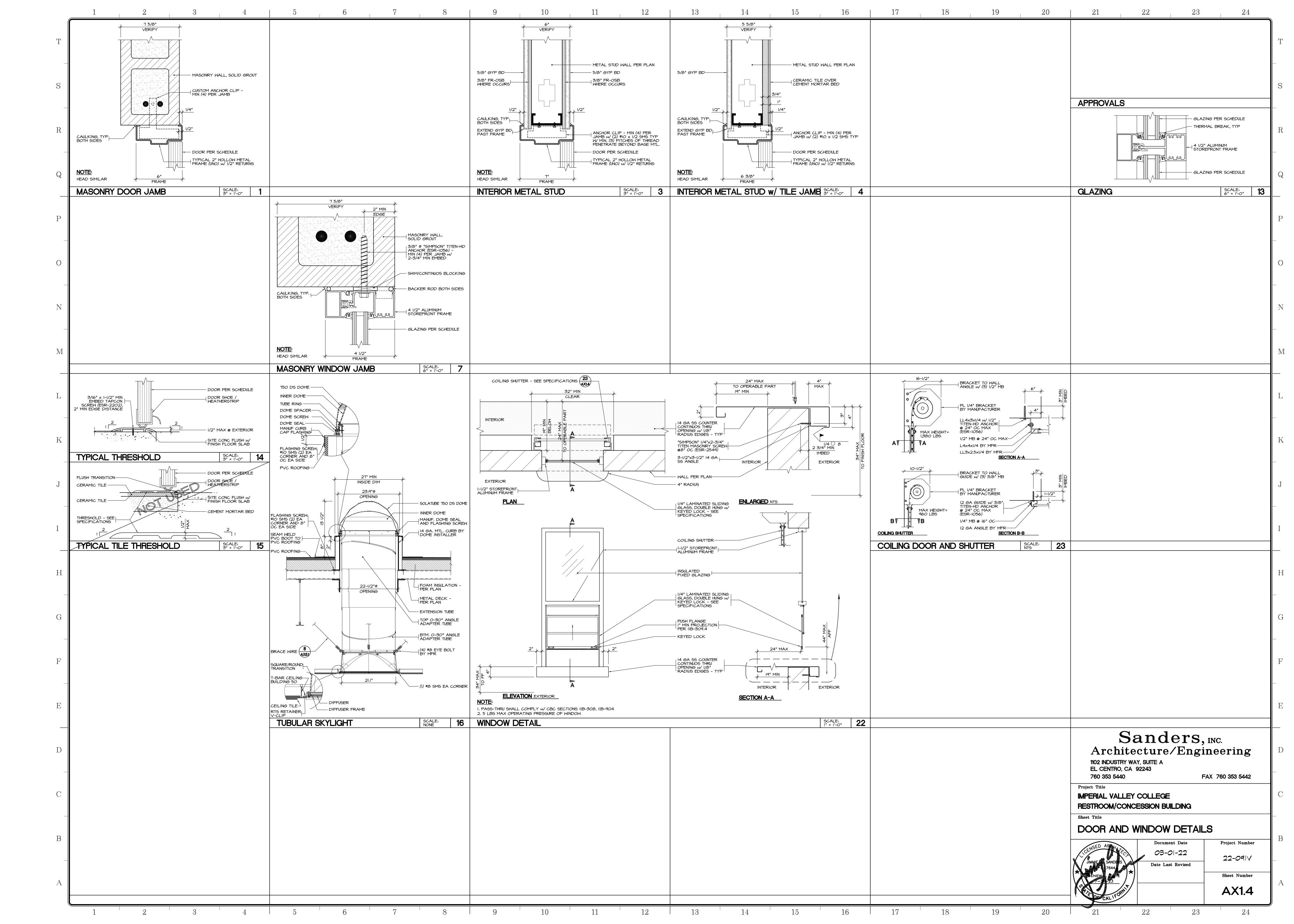
- 2. MINIMUM FRAME LAP AT GLAZIN GLASS EDGE CLEARANCE IS 1/8 3. EACH GLAZING LIGHT SHALL BE THE TYPE AND THICKNESS OF G AGENCY, LABELS MAY BE OMITI MATERIALS, PROVIDED AN AFFI
- CONTRACTOR CERTIFYING THA WITH APPROVED PLANS AND S
- 4. EACH LIGHT OF SAFETY GLAZIN PERMANENT LABEL THAT SPECIF OR INSTALLER, AND STATE THAT IN SUCH INSTALLATION AND SHA REMOVED. THE IDENTIFICATION S GLASS AND READABLE FROM
- 5. GLAZING AT EXTERIOR WINDOW 6. SKYLIGHTS SHALL BE INSTALLE AND 2405.
- 7. ALL FIRE RESISTIVE ASSEMBLIE WITH THE PROVISIONS OF CBC S

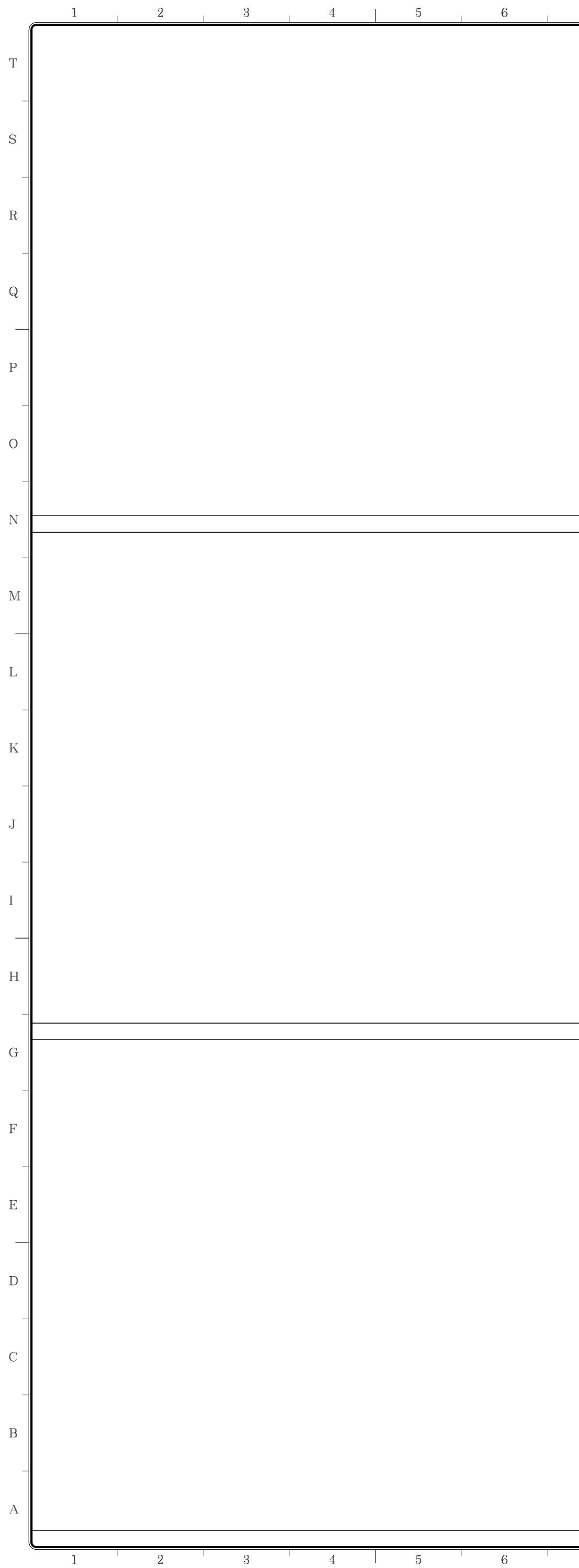
EQUIPMENT SCHEDULE

- I. EQUIPMENT CLASSIFICATIONS: B - OWNER FURNISHED, CONTRA C - CONTRACTOR FURNISHED, 0 - OWNER FURNISHED, OWNER | R - OTHER
- 2. ITEMS NOT IN CONTRACT ARE N

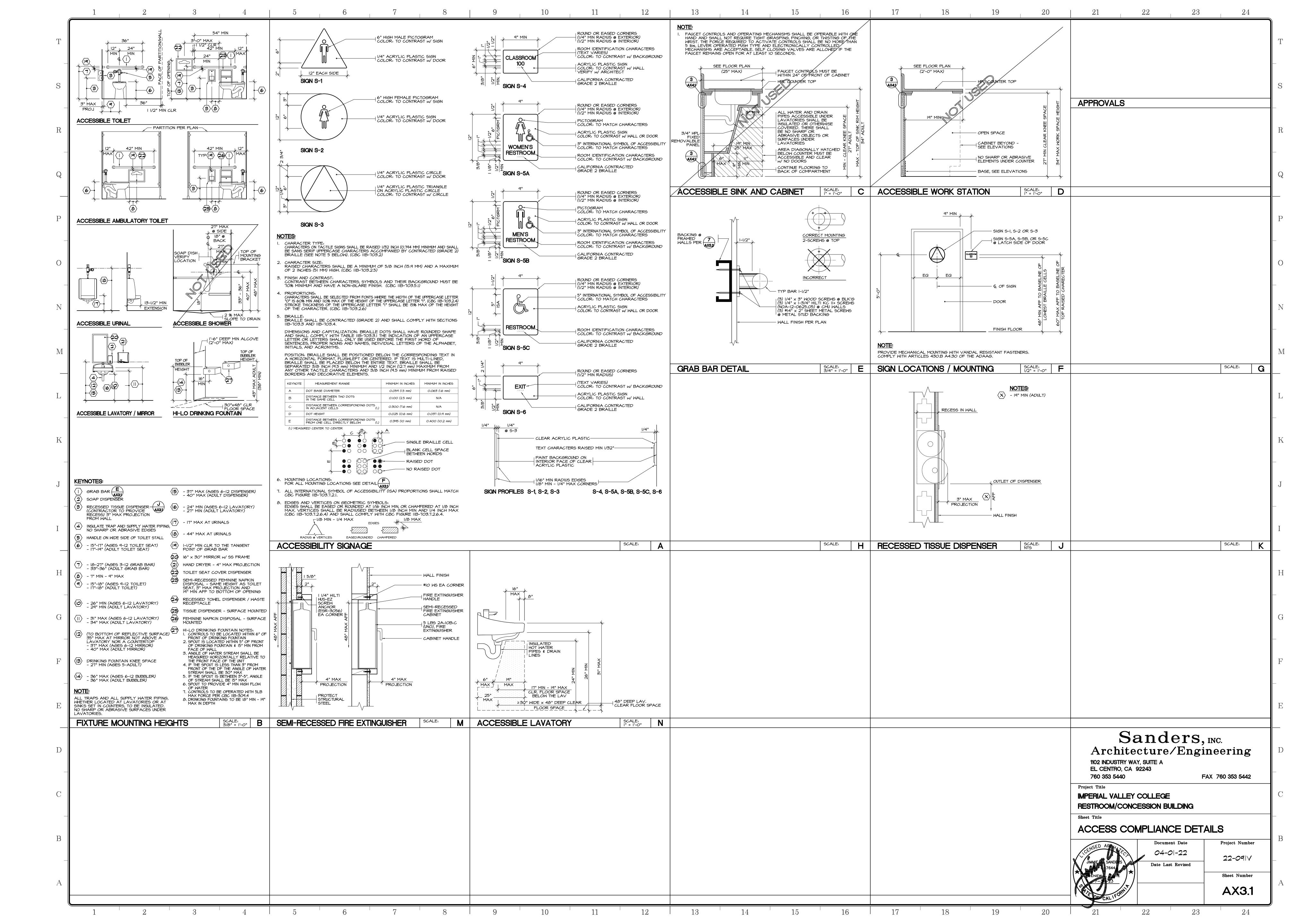
San Architectu SCALE: **B** 1102 INDUSTRY WAY, SUITE EL CENTRO, CA 92243 760 353 5440 Project Title IMPERIAL VALLEY COLLI **RESTROOM/CONCESSIO** ROOM FINISH, DO WINDOW, EQUIPME 1719 15 16 18 20 21 22

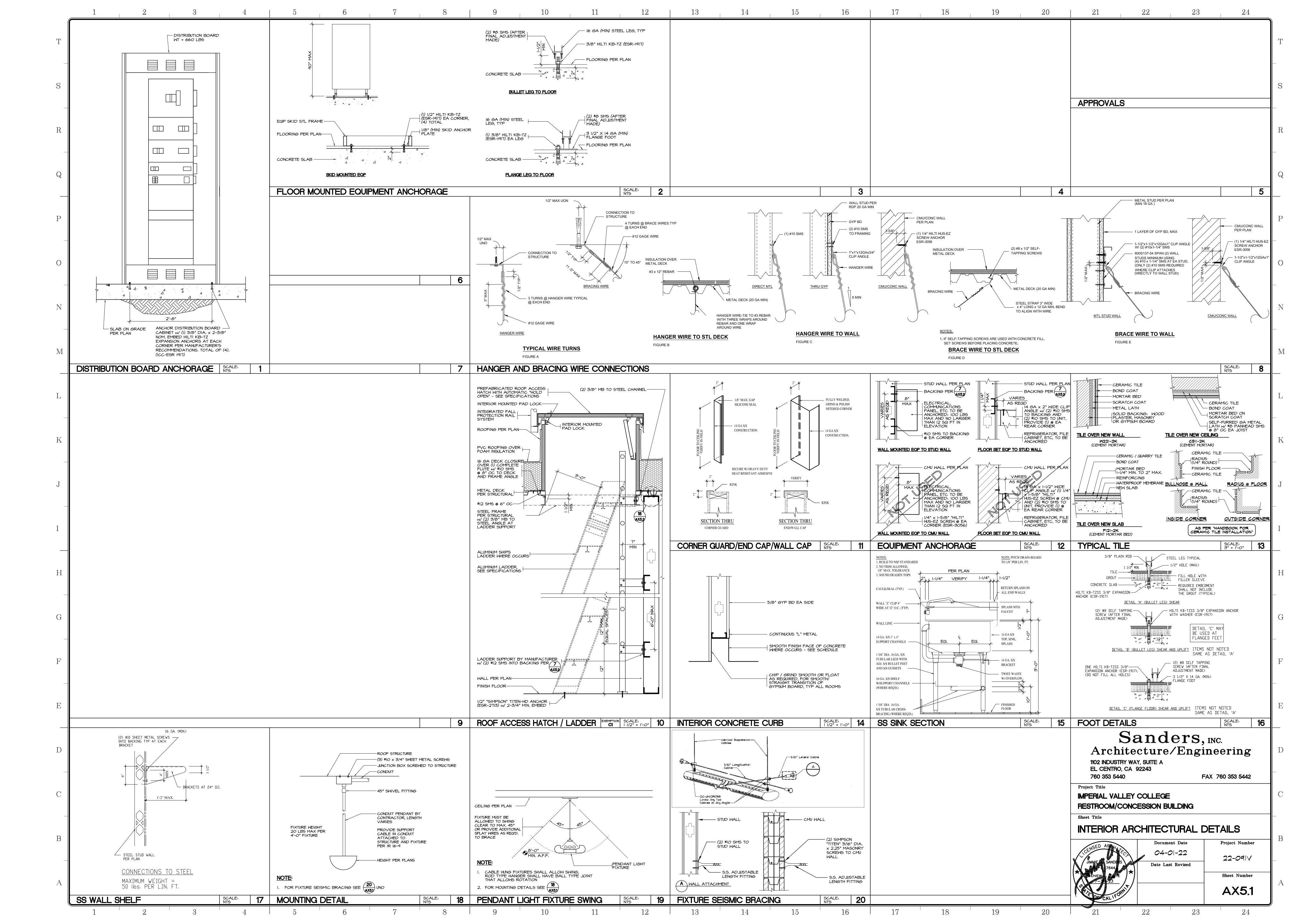
23			24	
				Т
				S
LE NOTES: IERS @ WALLS AND SOF ILNOSE" PAPER FACED I ALLS AND CEILINGS TEX IDE SAMPLE FOR APPRO	TURED			R
L COMPLY W/ CBC CHAF TLE 19; 3.08 AND 3.21. RESISTANT TILE SHALL H ED SUCH THAT THE STAT ET OR DRY, SHALL BE NO FACES AND 0.8 FOR RAI ASTM DESIGNATION: C GS AND WALLS SHALL E 4-1.3.	AVE IC DT LESS MPS WH IO28.			Q
L BE OF MAX FLAME SP -75. ING TRANSITION DETAIL	READ			P
				0
L COMPLY W/ (AXIA) E ELECTRICAL DRAWING DORS MUST READ "EXIT" DING TO EXIT DOORS. ZING IS I/4" AND MINIMUN I/8" BEAR THE MANUFACTUR	' AND 1	EL DESIGN	ATING	N
GLASS. WHEN APPROV ITTED FROM OTHER THA FIDAVIT IS FURNISHED AT EACH LIGHT IS GLAZ SPECIFICATIONS. ZING MATERIAL SHALL E CIFIES THE LABELER, WH HAT SAFETY GLAZING M HALL SPECIFY THAT THE N SHALL BE ETCHED OF	YED BY N SAFE BY THE ZED IN A E IDEN HETHER ATERIA LABEL S CERAN	THE ENFOR TY GLAZING GLAZING CCORDAN TIFIED BY THE MANUF L HAS BEE SHALL NC MIC FIRED	ACTURE A A ACTURE N UTILIZED DT BE ON THE	M
1 THE INSIDE OF THE BLI & SHALL BE MOUNTED ON TE DOOR SHALL NOT EX RABLE FROM INSIDE W/C EE SPECIFICATIONS.	N EXTER CEED 5	RIOR SIDE (Ibs. (22 N)	OF JAMBS. PER	L
DTES:				K
BEAR THE MANUFACTUR GLASS. WHEN APPROV ITTED FROM OTHER THA FIDAVIT IS FURNISHED AT EACH LIGHT IS GLAZ	E'S LAB ÆD BY AN SAFE BY THE	THE ENFOR	RCING NG	J
SPECIFICATIONS. ZING MATERIAL SHALL E CIFIES THE LABELER, WH HAT SAFETY GLAZING M HALL SPECIFY THAT THE ON SHALL BE ETCHED OF 1 THE INSIDE OF THE BLI DW SHALL BE MOUNTED OF LED IN ACCORDANCE W	HETHER ATERIA E LABEL R CERAN D'G AF1 ON EXTE	THE MANUF L HAS BEE SHALL NO MIC FIRED TER INSTAL	ACTURE N UTILIZED DT BE ON THE LATION.	I
LIES FOR PROTECTION C C SECTION 716.	OF OPEN	NINGS SHAL	L COMPLY	H
NOTES: RACTOR INSTALLED CONTRACTOR INSTALLED R INSTALLED	ĒD			G
NOT PART OF DSA API	ROVAL			F
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ders, ire/Engi	ne	2. erin 60 353 5	C	D
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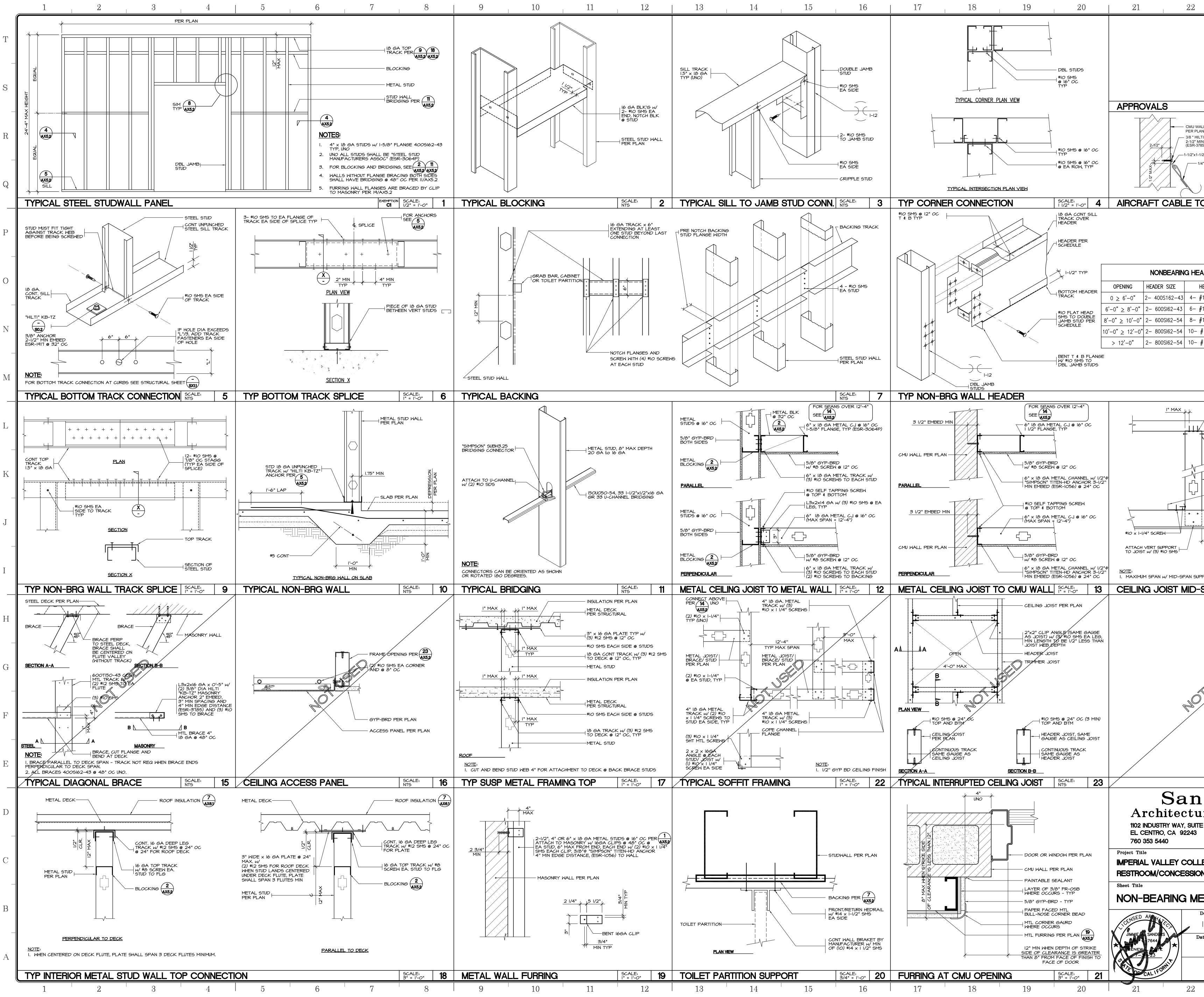




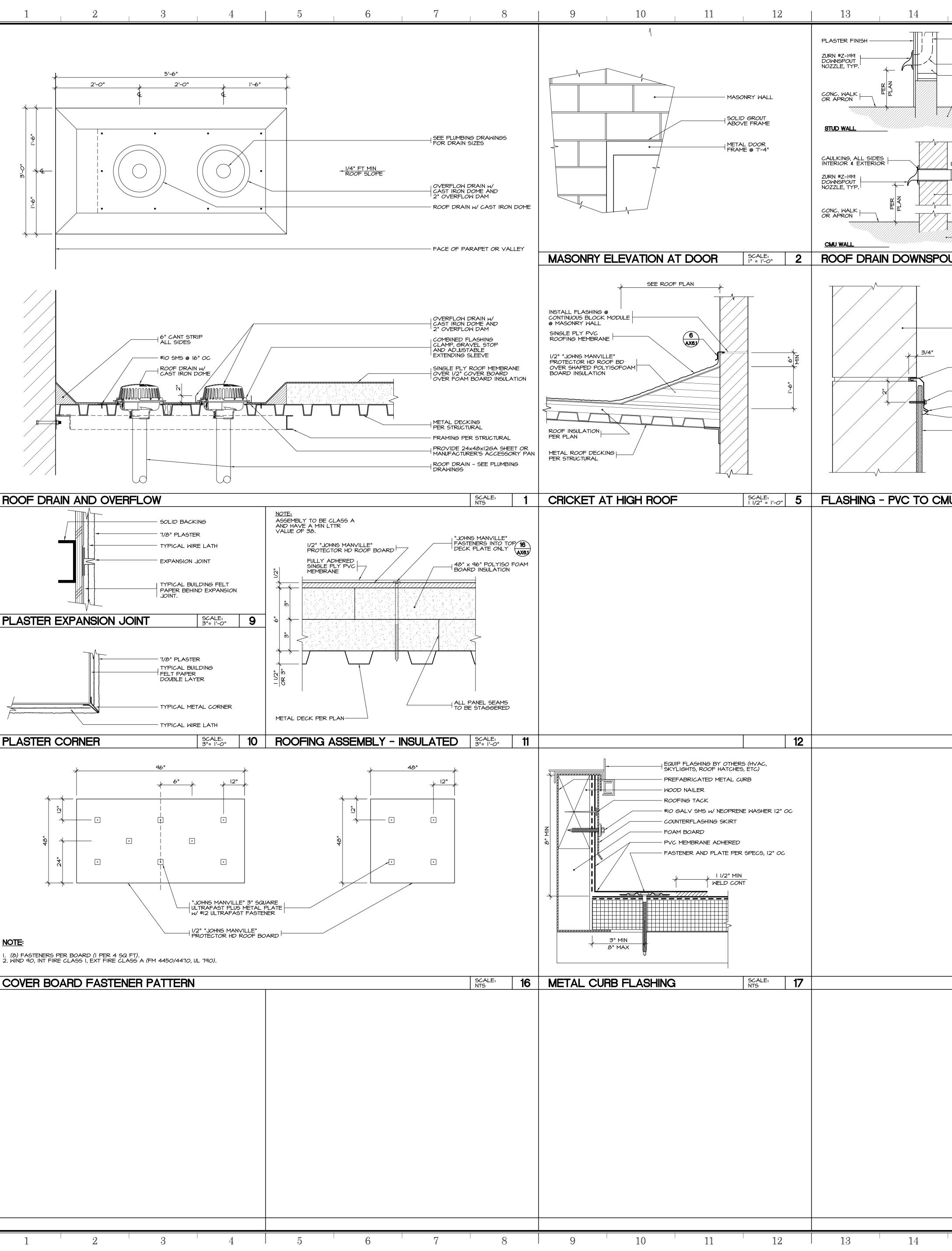
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			-4" 8'-8" '-4"	/	Т	
		WOMEN'S TOILET / MEN'S TOILET	WOMEN'S TOILET 9 (1)		APPPROVALS Image: Stress of the str	
					M	
					ALTERNATE DIMENSIONS:	
					TOILET OFFSET I7"-I8" I5"-I8" T IIB-604.9, S IIB-604.2 TOILET SEAT HEIGHT I7"-I9" I5"-I7" T IIB-604.9, S IIB-604.4 TOP OF GRAB BAR GRIPPING SURFACE 33"-36" 25"-27" T IIB-604.9, S IIB-604.2 T.P. DISPENSER OUTLET I3" MN I3" I3" IS 604.4 IIB 604.4 IIB 604.4	
					(AFF TO CTR OF OUTLET) IM MIN IT - IM IT - IM IT ID=004.4, 5 IID=004.7 FURTHEST TP DISPENSER 7"-9" TO CENTERLINE 7"-9" TO CENTERLINE 5 IIB-604.7 LAVA/SINK RIM HT 34" MAX 31" MAX 5 IIB-606.2, 5 IIB-606.3	
					LAVA/SINK KNEE CLEARANCE27" MIN (29" AT APRON FOR LAVATORY)24" MINS IIB-606.2, F IIB-306.3JURINAL HEIGHT17" MAX117" MAXS IIB-605.2URINAL PROJECTION13-1/2" MIN13-1/2" MINS IIB-605.2URINAL FLUSH44" MAX5 IIB-605.2	
					CONTROL HEIGHT 44 MAX 5 IID=003.4 HIGH DF SPOUT HT 38"-43" 38"-43" 5 IIB-602.7 LOW DF APPROACH, SPOUT HT, AND SPOUT LOCATION FROM TRONT FRONT APPROACH B PERMITTED IF SPOUT IS 30" MAX 5 IIB-602.2 EDGE OF THE UNIT 5" MAX FROM FRONT S IIB-602.4 5 IIB-602.2	
					INCLUDING BUMPERS EDGE OF UNIT FRONT EDGE OF UNIT SILDE02.4, SILDE04.4, SILDE04.4, SILDE04.4, SILDE04.4, SILDE04.4, SILDE04.4, SILDE04.4, SILDE04.4, SILD	
					TOE CLEARANCE AT TOILET PARTITIONq" MINI2" MINS IIB-604.8.1.4SHELF HEIGHT40"-48"40"-48"S IIB-604.8.3ACCESSORIES40" MAX40" MAXS IIB-603.5	
					MIRROR HEIGHT (BOTTOM OF EDGE OF REFLECTING SURFACE MIRROR HT (BOTTOM EDGE OF REFLECTING MIRROR HT (BOTTOM EDGE OF REFLECTING	
					MIRROR HT (BOTTOM EDGE OF REFLECTING SURFACE) IN DRESSING, FITTING & LOCKER RMS 20" MAX S IIB-803.6 NOTE: ALL HEIGHT DIMENSIONS ARE AFF (OF AFG FOR EXTERIOR). ALL HORIZONTAL DIMENSIONS ARE TO FACE-OF-FINISH	
					RESTROOMS: ROOM NUMBER ROOM NAME AGES COMMENTS	
					9 WOMEN'S TOILET ADULT IO MEN'S TOILET ADULT	
					Sanders, INC. Architecture/Engineering 102 INDUSTRY WAY, SUITE A EL CENTRO, CA 92243 760 353 5440	
					Project Title IMPERIAL VALLEY COLLEGE RESTROOM/CONCESSION BUILDING	
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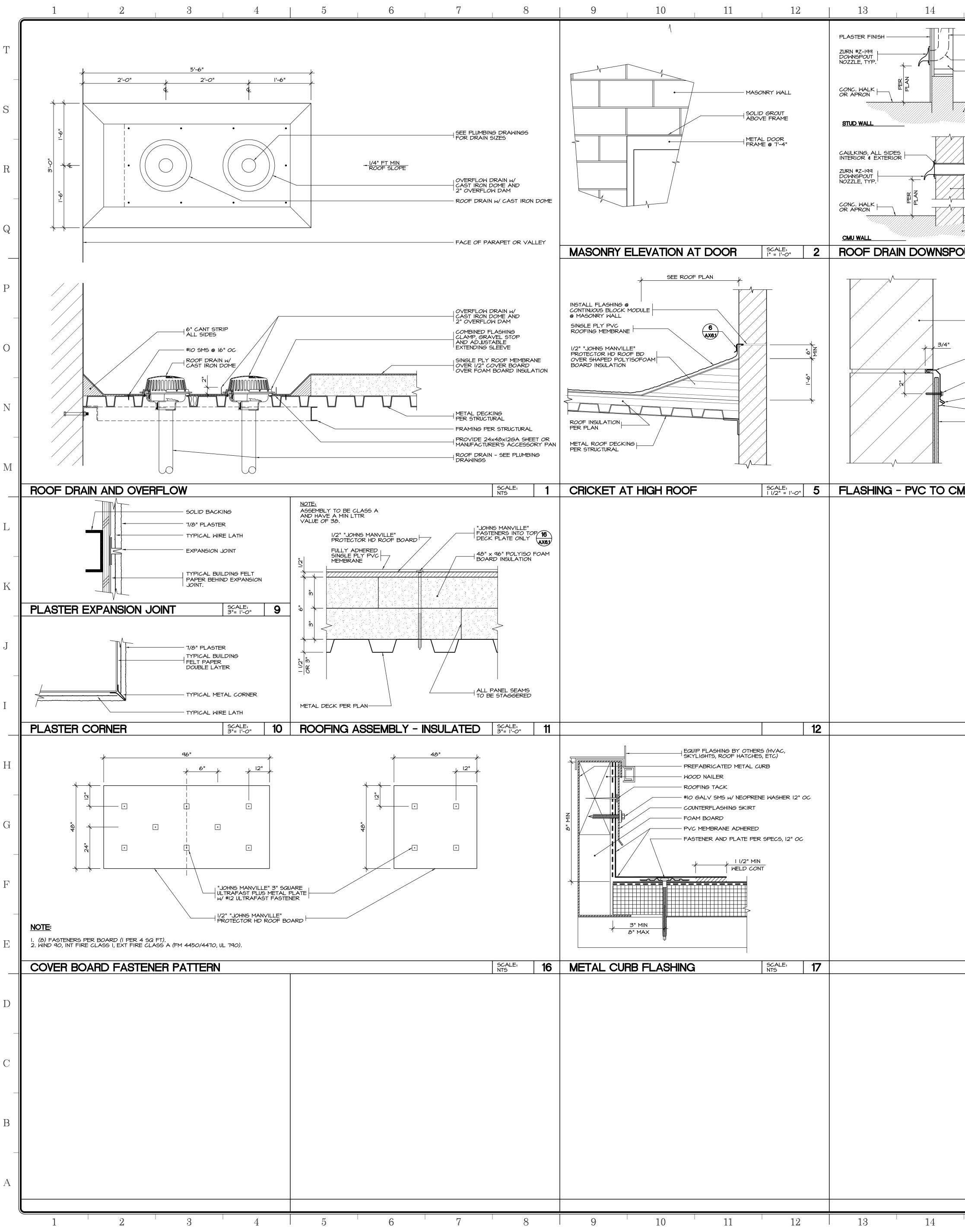




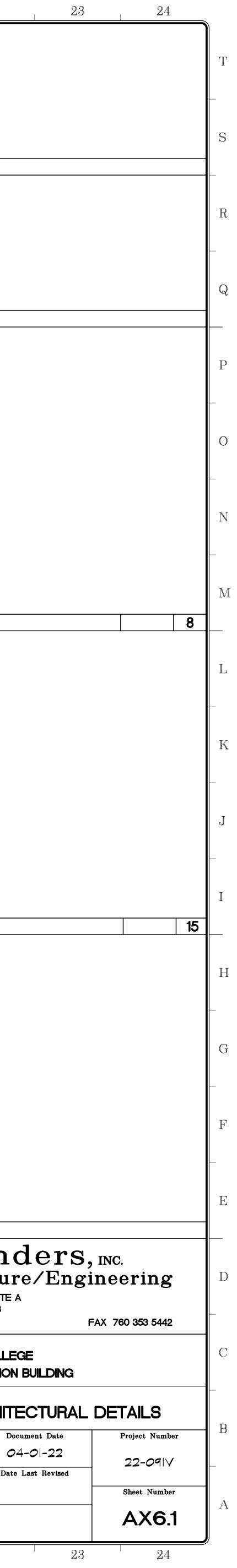


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	S
ALL AN _TI KB-TZ MASONRY ANCHOR IIN EMBED AND 4" MIN EDGE DIST 785) 1/2"x1/4 "x1" BENT PL	R
/4" AIRCRAFT CABLE) O MASONRY SCALE: 25	Q
	P
ADER SCHEDULE HEADER CONNECTOR REMARK #10 FLAT HEAD SMS ES	0
#10 FLAT HEAD SMS ES#10 FLAT HEAD SMS ES#10 FLAT HEAD SMS ES16GA DBL JAMB STUDS#10 FLAT HEAD SMS ES600S162-54 SILL TRACK, 16GA DBL JAMB STUDS#10 FLAT HEAD SMS ES600S162-54 SILL TRACK, 12GA DBL JAMB STUDS	N
EXEMPTION SCALE: W3 " = 1'-0" 8	M
CONNECTION TO METAL DECK 17 AX52	L
CONT 4" x 18 GA METAL TRACK W/ (3) #10 x 1 1/4 SCREWS @ 16" OC 4" x 18 GA METAL STUD HANGER @ 9'-0" OC MAX @ EA JOIST 4" x 18 GA TRACK	K
CEILING JOIST PER PLAN	J
PPORT = 9'-0" -SPAN SUPPORT SCALE: " = '-0" 14	Ι
	H
JOHD	G
	F
SCALE: 24	Е
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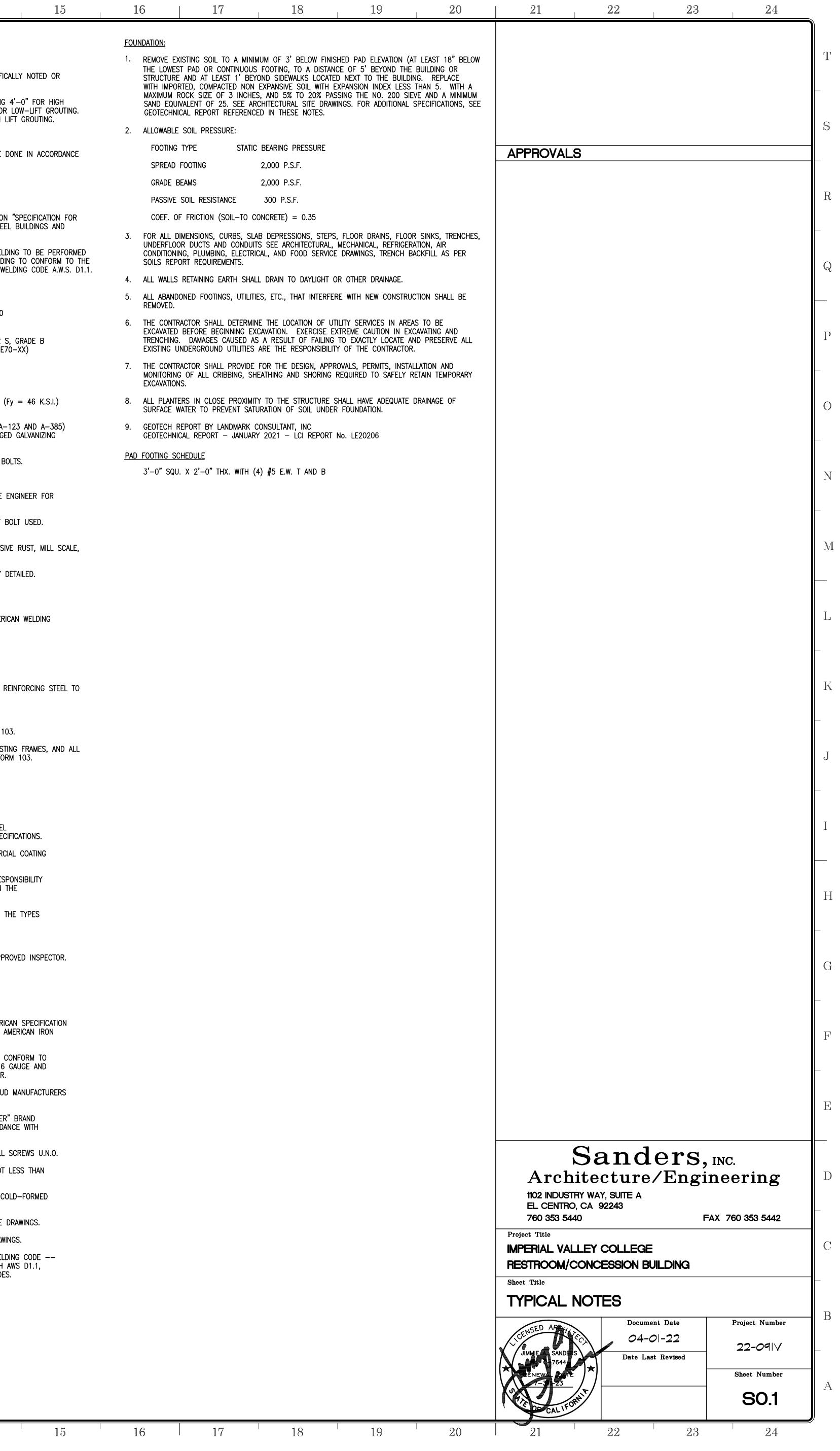
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90° ELBOW 2 X 6 STUD CAVI	אדו	CMU WALL PER PLAN- PL 3/16 w/ HOOK @ 4'-(GALVANIZED STEEL ST	1/8		**		
		GALVANIZED STEEL ST DRAIN - SEE PLUMBING				APPROVALS	
ROOF STORM DR DOWN SPOUT - SI SEE 4 FOR AN 4X61 90° ELBOW CMU WALL PER P	LAN	PL 3/16 w/ HOOK @ 4'-0 GALVANIZED STEEL ST DRAIN - SEE PLUMBING <u>CMU WALL ANCHC</u>	ORM				
	ALE: 4" = I'-0" 3	STORM DRAI	N ANCHORAC	GE	SCALE: 1/2" = 1'-0" 4		
MASONRY PARAF	/ SEALANT @ CK MODULE ED TAPCON N (ESR-1671) w/ ER @ JOINTS ER FLASHING	1/8" PORTLAND CEMENT PLASTER ATTACH 3/8" RIB LATH JOISTS W/ #8-I8XI/2" SDS AND I" OD X I/4" ID CUT WASHERS @ 7" OC MAX NOTE: I. MIN 7/I6" DIA WAFER HEAD. 2. SCREW SHALL PENET JOIST 3/8" MIN. 3. SCREW HEAD SHALL (3) STRANDS OF LATH 4. PROVIDE I" END LAF SUPPORTS W/ MAJOR F	SCREW IRATE CONTACT MIN. 25 OVER		ED METAL LATH		
	CALE: 6			IG	SCALE: 3" = I'-0" 7		
	13				14		
						S Archit 1102 INDUSTRY V EL CENTRO, CA 760 353 5440	WAY, SUITE A
						Project Title IMPERIAL VALLE RESTROOM/CON Sheet Title	
						EXTERIOR A	Do Date
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-	1	2	3	4	5		6
DESI	<u>GN BASIS:</u>					<u>REINI</u>	FORCING STEEL:
CODE	E: 2019 C.E	B.C. (CALIFORNIA BUII	DING CODE, CCR, TI	TLE 24, PART 2) BASI	ED ON 2018 IBC	1.	ALL REINFORCING STI OF STANDARD PRACT
GRAV	/ITY LOADS:					2.	REINFORCING BARS S ARE TO BE WELDED
1.	ROOF LIVE LOA	D	20 P.S.F	. (REDUCIBLE)		3.	WELDING OF REINFOR CONFORM TO STRUCT
BASI) LOADS: C WIND SPEED () EXPOSURE	(3-SECOND GUST)	Vult = 9 C	98 MPH, Vasd = 76	MPH		WELDING SOCIETY MIN SHALL BE PERFORME AWS, WPS'S SUBMITT
ENCL	OSURE CLASSIFIC			D BUILDING +/- 0.18		4.	ALL REINFORCING BA
ULTIN	MATE WIND PRES	SURES Qh[(GCp)-(GC	Cpi)]:			5.	DOWELS BETWEEN FO SPACING AND NUMBE
Kzt= Kd=(REINFORCING SPLICES
Kh=(Ke=1	0.90 1.0					7. 8.	SLAB ON GRADE REIN PROVIDE #3 SPACER
	18.8 PSF PONENTS AND CI	LADDING (ASCE 7-16	. CHAPTER 30, PAR	⊺ 1):			REINFORCING BARS II
WALL	S: 30.3–1	eg): FIGURE 30.3–2A		,		CONC	CRETE:
	PONENTS AND CI F: FIGURE 30.11		ORK AREA (ASCE 7-	-16, SECTION 30.11):		1.	ALL CONCRETE WORK (LATEST EDITION), EX HEREIN OR SHOWN (
						2.	ALL CONCRETE SHALL
	MIC DESIGN CRIT					_	SHALL CONFORM TO
SEISI MAPF		DRY RESPONSE ACCELERAT				3.	THE MAXIMUM SIZE A AGGREGATE IN SLABS
SITE	CLASS	ESPONSE ACCELERAT	D			4.	CEMENT SHALL CONF YARD OF CONCRETE.
DESI SEISI		ESPONSE ACCELERATI EGORY	•			5.	CONFORM TO A.S.T.M ADMIXTURES AND CO
	= 0.504 SECOND						DATA IS SUBMITTED 1
CON	CESSION STAND					6.	CONCRETE MIXES SHA SHALL CONFORM TO UNLESS NOTED OTHE
BASI		E-RESISTING SYSTEM ION FACTOR, R	SPECIAL 5.0	REINFORCED MASONRY	Y SHEARWALLS	7.	PROVIDE 2- #5 x 4 AND INSIDE CORNERS
	GN BASE SHEAR		Cs = 0.	353		8.	READY MIXED CONCR
						9.	PLACEMENT OF CONC TO 1/4" AMPLITUDE
						10.	DRYPACK (F'c = 5,0 ON DRAWINGS SHALL
							AGGREGATE CONFORM SQUEEZED IN THE HA PACKED WITH THE DI
						11	ARE COMPLETELY FIL
							EXT-A.P.A. PLYWOOD ALL INTERIOR SLABS
<u>GENE</u>	ERAL NOTES:					13.	ALL SITE CONCRETE ALL REINFORCING STI POSITION PRIOR TO I
		SPECIFICATIONS ARE /		TRACT DOCUMENTS.		14.	IF THE CONTRACTOR THESE DRAWINGS, HE
	BY: SANDER	S, INC. ARCHIT	ECTURE / ENG	SINEERING		15.	REVIEW BEFORE STAR
3.	CONTRACTOR SI	HALL VERIFY ALL DIM	ENSIONS PRIOR TO S	IN THE SITE DURING T STARTING WORK AND T IR INCONSISTENCIES PI			GROUND PROVIDE 3/4 INCH (
4.			-	WORK ARE TO CONFO 2019 EDITION C.B.C.),			SLEEVE PLUMBING OF
	SPECIFICATIONS	WHICH THESE STAND	DARDS ARE BASED.	WHERE CONFLICT BÉTY QUIREMENTS SHALL GO	WEEN BUILDING CODES	18.	REINFORCING AROUNE
5.		SIGNATIONS REFERRE PECIFICATION, AS OF		AWINGS SHALL BE THE DRAWINGS.	E LATEST ADOPTED		FOOTINGS AND SL OR LANDSCAPE W
6.	ALL DIMENSIONS DRAWINGS SHAL	S SHALL TAKE PRECE L NOT BE SCALED F	DENCE OVER SCALE OR CONSTRUCTION F	SHOWN ON PLANS, SI PURPOSES.	ECTIONS AND DETAILS.		EXPOSED TO EART BEAMS AND GIRDE WALLS
7.	NOTES AND DE TYPICAL DETAILS		NGS SHALL TAKE PRI	ECEDENCE OVER GENE	RAL NOTES AND		COLUMN TIES SLABS (#11 AND
8.	ARCHITECTURAL,	, MECHANICAL, PLUM	BING, AND ELECTRICA	UCTURAL REQUIREMENT	ITS. REFER TO CIVIL, I–STRUCTURAL	19.	CONCRETE CURING: RECOMMENDATIONS O
	B. SIZE AN	ND LOCATION OF ALL ND LOCATION OF ALL ND LOCATION OF ALL	NONBEARING PARTIT		OOR DRAINS, SLOPES,		FUSION WELDING IS
	D. FLOOR,	SED SLAB AREAS, ET ROOF AND WALL FIN ION NOT SHOWN ON	IISHES.	GS.			<u>)NRY:</u> MASONRY UNITS SHA
9.	F. EQUIPM	ENT ANCHORAGE		DNS REPRESENT THE F			OF 2,000 P.S.I., IN A AT ALL OPEN ENDED METHOD AND DSA FO
5.	UNLESS OTHER	WISE INDICATED, THEY HALL PROVIDE ALL M	′ DO NOT INDICATE ⁻ EASURES NECESSARY	THE METHOD OF CONS TO PROTECT LIFE AN	STRUCTION. THE ID THE STRUCTURE	2.	THE ASSEMBLED MAS
	SHORING OF LO	DADS DUE TO CONST NSE, SHALL ENGAGE	RUCTION, EQUIPMENT PROPERLY QUALIFIED	PERSONS TO DETERM	ETC. CONTRACTOR AT /INE WHERE AND		ALL VERTICAL CELLS
	CONTRACTOR SI TO THE SITE B	HALL CONFORM TO A	LL SAFETY ORDINANC		AME IN FIELD. S. OBSERVATION VISITS OF THE ABOVE SAFETY		VERTICAL BARS IN MAINTERVALS OF NOT L
10	ITEMS.				NCE WITH THE INTENT	5.	PROVIDE INSPECTION ARE MORE THAN 2'- FOR HIGH LIFT GROU
. 0.	OF THESE DRAW THE CONSTRUCT	WINGS. STRUCTURAL TION AND STATE THA	ENGINEER OF RECO THE STRUCTURE H		TATIVE SHALL OBSERVE	6.	WHEN GROUTING IS S SHALL BE FORMED B
11.	THIS FIRM DOES		CONSULT IN THE FIE	LD OF SAFETY ENGINE		7.	UPPERMOST MASONR' MORTAR SHALL BE A
	PERSONNEL OT	HER THAN OUR OWN ACTOR. THE CONTRA	ON THE SITE. THE CTOR SHOULD NOTIF	Y THE OWNER IF HE	s the responsibility		WITH A 28 DAYS CON
12	THE RECOMMEN	IDED ACTIONS PRESE	NTED HEREIN TO BE				WELDING OF REINFOR
، ۲ ۰	LOAD SHALL NO	DT EXCEED DESIGN L	IVE LOAD FOR EACH	PARTICULAR LEVEL.	WHEN WEIGHT OF		OPEN END MASONRY (CLOSED END) BLOCI
13.		ISTRUCTION DETAILS BE THE SAME AS FO		ED FOR ANY PART OF ORK.	THE WORK. THE	10.	GROUT SHALL CONFO WATER WHICH WILL C COMPRESSIVE STRENG
14.	NO PIPES OR I APPROVED BY		CED IN SLABS OR V	VALLS UNLESS SPECIFI	ICALLY DETAILED OR	11	GROUT PER CBC 210 CEMENT SHALL CONF
							ALL VERTICAL WALL F
							SIZE AND NUMBER O

7 8 9 10	11 12 13	14 15	16	17	18	19	20	21	22
IS TEEL SHALL BE HARED IN CONTORNANCE WITH THE C.B.C. AND THE "MANUAL ARCICLE" BY THE C.R.S.L OR AS MODIFIED BY THE CONSTRUCTION DOCUMENTS. SINCE CONFORM TO A.S.T.M. A-615, CRADE 60. REINFORMENT DOCUMENTS. CONFERENCE TO A S.T.M. A-615, CRADE 60. REINFORMENT DOCUMENTS. SINCE SERVICE TO A S.T.M. A-615, CRADE 60. REINFORMENT SHALL BE DONE REINFORMENTS, CRADE 60. REINFORMENT SHALL BE DONE REINFORMENTS, CRADE 60. REINFORMENT SHALL BE DONE TO REAR MELLION. TELES MUST BE FERRORMED PER MITTED PRONT TO REAR MELLION. C. BRAT REINFORMENTS. BUELDER, SANJARD MITTED PRONT TO REAR MELLION. C. BRAT REINFORMENTS. BEINFORMED TO WELD STREMENT. RESPECTIVELY. USES SHALL BE MARE COLD. IN THE DRAWINGS. REINFORMENTS CONTAINED STREMETER OF ACID THE DRAWINGS. REINFORMENT BE OFFICIAL REQUIREMENTS. CONTAINED IN THE TRANSPORT TO SECURE SINCE THE SUPPLEMENTAL REQUIREMENTS CONTAINED IN TO THE DRAWINGS. TO SECURE SINCE THE SUPPLEMENTAL REQUIREMENTS CONTAINED IN TO THE DRAWINGS. 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DESIGN AND CONSTRUCTION OF CONCRETE MASONRY STRUCT WITH TMS 402–16 AND TMS 602–16. STRUCTURAL STEEL BULDINGS' AND "CODE OF STANDARD P AND BEDGS" EXCEPT AS OTHERMISE. CERTIFIED FABRIC 10. FABRICATION AND ERECTION TO CONFORM TO A.I.S.C. LATEST STRUCTURAL STEEL BULDINGS' AND "CODE OF STANDARD P AND BEDGS" EXCEPT AS OTHERMISE. CERTIFIED FABRIC 11. THAS 402–16 AND TMS 602–16. STRUCTURAL STEEL BULDINGS' AND "CODE OF STANDARD P AND BEDGS" EXCEPT AS OTHERMISE. CERTIFIED FABRIC 11. THAS 402–16 AND TMS 602–16. STRUCTURAL STEEL PLATES 12. OULLIPED AND CERTIFIED WELDERS SHALL BE USED FOR ALL N'THE SHOP OF BOITS ASTIM. AND ANALE STEEL SHAPES 11. STRUCTURAL STEEL PLATES 12. STRUCTURAL STEEL PLATES 13. MATERIALS: STRUCTURAL STEEL PLATES 13. MATERIAL MOTO OPPED GALVANIZE AFTER FABRICATION ALL STRUCTURAL MOTO PROVIDE BOTTS 14. STRUCTURAL STEEL CONNECTION BOTS 15. STRUCTURAL STEEL CONNECTION BOTS 15. STRUCTURAL STEEL CONNECTION IS COMPETE: MATERIAL STRUCTURAL STEEL ONDEOD TO FABRICATION MOTO OF MOLES SHALL BE AR ONLY UPON UNTHREADED MOTO SHALL STEEL FABRICATOR SHALL STRUCTURAL MOTO OPPENDE SHALL STRUCTURAL STRUCTURAL STEEL STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP D APPROVAL PROR TO TO FABRICATOR SHALL SUBMIT SHOP D APPROVAL PROR TO TO FABRICATOR SHALL SUBMIT SHOP D APP	AND PLATES. M UNITS. S UNLESS SPECIFICALLY NOTED OR TS NOT EXCEEDING 4'-0" FOR HIGH INIT IN HEIGHT FOR LOW-LIFT GROUTING. 1-2.13 FOR HIGH LIFT GROUTING. 1-2.13 FOR HIGH LIFT GROUTING. TALL \underbrace{T}_{000} STURES SHALL BE DONE IN ACCORDANCE T ADOPTED EDITION "SPECIFICATION FOR PRACTICE FOR STEEL BUILDINGS AND D. LL WELDING. WELDING TO BE PERFORMED ACTOR: ALL WELDING TO BE PERFORMED TATOR: ALL WELDING TO BE PERFORMED ACTOR: ALL ACTOR: ACTOR ACTOR: ACTOR ACTOR: ACTOR ACTOR: ACTOR ACTOR: ACTOR	FOUNDATION: 1. REMOVE EXIS THE LOWEST STRUCTURE / WITH IMPORT MAXIMUM RO SAND EQUIV/ GEOTECHNIC/ 2. 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RS IN CLOSE PROXIMITY ATER TO PREVENT SATU EPORT BY LANDMARK C AL REPORT - JANUARY	UM OF 3' BELOW FINISHE FOOTING, TO A DISTANCE OND SIDEWALKS LOCATED EXPANSIVE SOIL WITH EXP (AND 5% TO 20% PASSIN CHITECTURAL SITE DRAWING D IN THESE NOTES. BEARING PRESSURE 2,000 P.S.F. 2,000 P.S.F. 300 P.S.F. 300 P.S.F. 0NCRETE) = 0.35 B DEPRESSIONS, STEPS, F S SEE ARCHITECTURAL, ME CAL, AND FOOD SERVICE D DRAIN TO DAYLIGHT OR S, ETC., THAT INTERFERE E THE LOCATION OF UTILIT CAVATION. EXERCISE EXTR A RESULT OF FAILING TO ARE THE RESPONSIBILITY OF FOR THE DESIGN, APPROV CATHING AND SHORING REC (TO THE STRUCTURE SHA RATION OF SOIL UNDER F ONSULTANT, INC 2021 – LCI REPORT NO	D PAD ELEVATION (AT L OF 5' BEYOND THE BU NEXT TO THE BUILDING. ANSION INDEX LESS TH G THE NO. 200 SIEVE S. FOR ADDITIONAL SPI S. FOR ADDITIONAL SPI S. FOR ADDITIONAL SPI CHANICAL, REFRIGERATIO RAWINGS, TRENCH BACK OTHER DRAINAGE. OTHER DRAINAGE. WITH NEW CONSTRUCTION OTHER DRAINAGE. WITH NEW CONSTRUCTION SERVICES IN AREAS REME CAUTION IN EXCAV D EXACTLY LOCATE AND OF THE CONTRACTOR. ALS, PERMITS, INSTALLA QUIRED TO SAFELY RET/ OUNDATION.	LEAST 18" BELOW UILDING OR . REPLACE IAN 5. WITH A AND A MINIMUM ECIFICATIONS, SEE SINKS, TRENCHES, ON, AIR KFILL AS PER ON SHALL BE TO BE VATING AND PRESERVE ALL ATION AND AIN TEMPORARY		
EARTH OR WEATHER 2" IRDERS 1 1/2" IRDERS 3/4" IG: TYPICALLY REQUIRED FOR 10 DAYS WITH ADHERENCE TO THE IS OF ACI 308. IS NOT PERMITTED UNLESS APPROVED BY THE ENGINEER OF RECORD AND DSA. SHALL BE MEDIUM WEIGHT WITH A COMPRESSIVE STRENGTH IN ACCORDANCE WITH A.S.T.M. SPECIFICATION C-90, USE OPEN END UNITS IDED BLOCKS. TEST MASONRY UNITS, MORTAR, AND GROUT PER UNIT STRENGTH A FORM 103. (C.B.C. 1705A.4 AND 2105A.3) MASONRY SHALL HAVE A COMPRESSIVE STRENGTH OF F'm=2,000 P.S.I. ILS SHALL BE GROUTED SOLID IN LIFTS NOT EXCEEDING 4'-0" IN HEIGHT. N MASONRY UNITS SHALL BE TIED OR OTHERWISE FIXED IN POSITION AT Image: Pitter	 SHEETS CONFORMING TO A.S.T.M. A 1063 OR 653 GRADE A DECKS SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. CLASS G-60 OR G-90. EXTERIOR DECK SHALL BE G-90, II CUTTING AND FRAMING OF OPENINGS FOR OTHER TRADES SI OF THE TRADES INVOLVED. HOLES THAT ARE LOCATED AND I DRAWINGS SHALL BE THE RESPONSIBILITY OF THE DECK ERE ALL DECK SHALL BE "VERCO" (IAPMO ER-0217) OR APPROVAND GAUGES SHALL BE AS INDICATED ON THE PLANS. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT SUPPORTS WELDING OF ROOF DECKING SHALL BE CONTINUOUSLY INSPE COLD-FORMED METAL FRAMING: COLD-FORMED STEEL CONSTRUCTION SHALL CONFORM TO THE 	A OR HIGHER SPECIFICATIONS. A. A 653 COMMERCIAL COATING INTERIOR G-60 SHALL BE THE RESPONSIBILITY DIMENSIONED ON THE RECTOR. OVED EQUAL, AND THE TYPES TS. PECTED BY AN APPROVED INSPECTOR. THE "NORTH AMERICAN SPECIFICATION							
2'-0" IN HEIGHT. FOR LOW LIFT GROUTING CLEANOUTS ARE NOT REQUIRED. GROUTING PROVIDE CLEANOUTS. IS STOPPED FOR ONE HOUR OR LONGER HORIZONTAL CONSTRUCTION JOINTS ED BY STOPPING THE POUR OF GROUT 1 1/2" BELOW THE TOP OF THE ONRY UNITS. BE ASTM C270 TYPE S PER CALIFORNIA BUILDING CODE SECTION 2103A.2 COMPRESSIVE STRENGTH OF 2,000 P.S.I. WELDING SHALL COMPLY WITH A.W.S. D1.4. NO FIELD	2. COLD-FORMED METAL FRAMED SHALL BE GALVANIZED TO G6	ELD POINT FOR 16 GAUGE AND AUGE AND LIGHTER. ON THE STEEL STUD MANUFACTURERS HALL BE "GRABBER" BRAND							
NFORCING BARS, U.N.O. NRY UNITS SHALL BE USED OR AT ENDS OF WALLS USE STANDARD LOCK. ONFORM TO SECTION 2103A.3. A MIXTURE OF CEMENT, SAND, PEA GRAVEL AND LL COMPLETELY FILL ALL VOIDS IN THE WALL AND DEVELOP A 28 DAY RENGTH OF 2,000 P.S.I. ADMIXTURE PER TMS 602 SECTION 2.2C COARSE 2103A.3.1 AND ASTM C476 CONFORM TO A.S.T.M. C-150, TYPE I OR II, LOW ALKALI.	 MINIMUM SPACING AND EDGE DISTANCE OF SCREWS SHALL E ALL SHEET METAL SCREWS SHALL PROTRUDE THROUGH JOIN (3) EXPOSED THREADS NOR LESS THAN 1/4". SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SIZE A METAL FRAMING. ATTACH EACH STUD TO TRACK W/ (1) #10 SMS EA FLANGE ADD BRIDGING AT 48" O.C. TO ALL STUDS, U.N.O., SEE ARC 	NED MATERIAL NOT LESS THAN AND GAUGE OF COLD-FORMED E, U.N.O. ON THE DRAWINGS. CHITECTURAL DRAWINGS.						Arch	
T 2 2 0 10	10. ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN A CHAPTER 4, PART C, "PERFORMANCE QUALIFICATION". USE	ACCORDANCE WITH AWS D1.1,		177	19	10		IMPERIAL VAL RESTROOM/C Sheet Title TYPICAL	CONCESSION

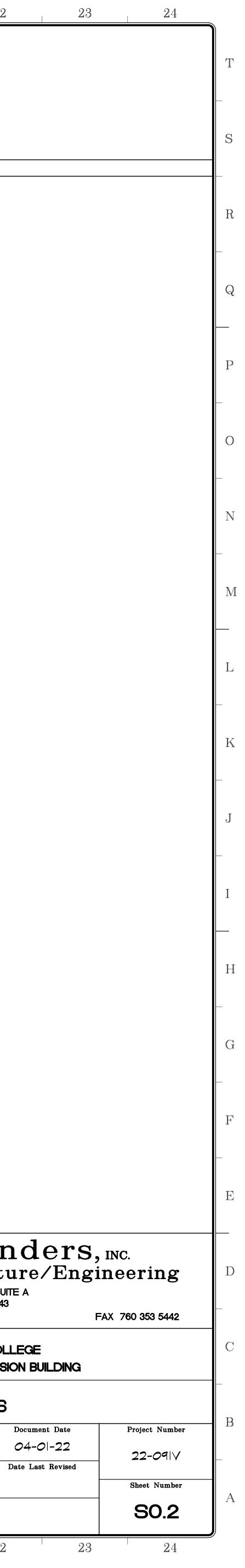
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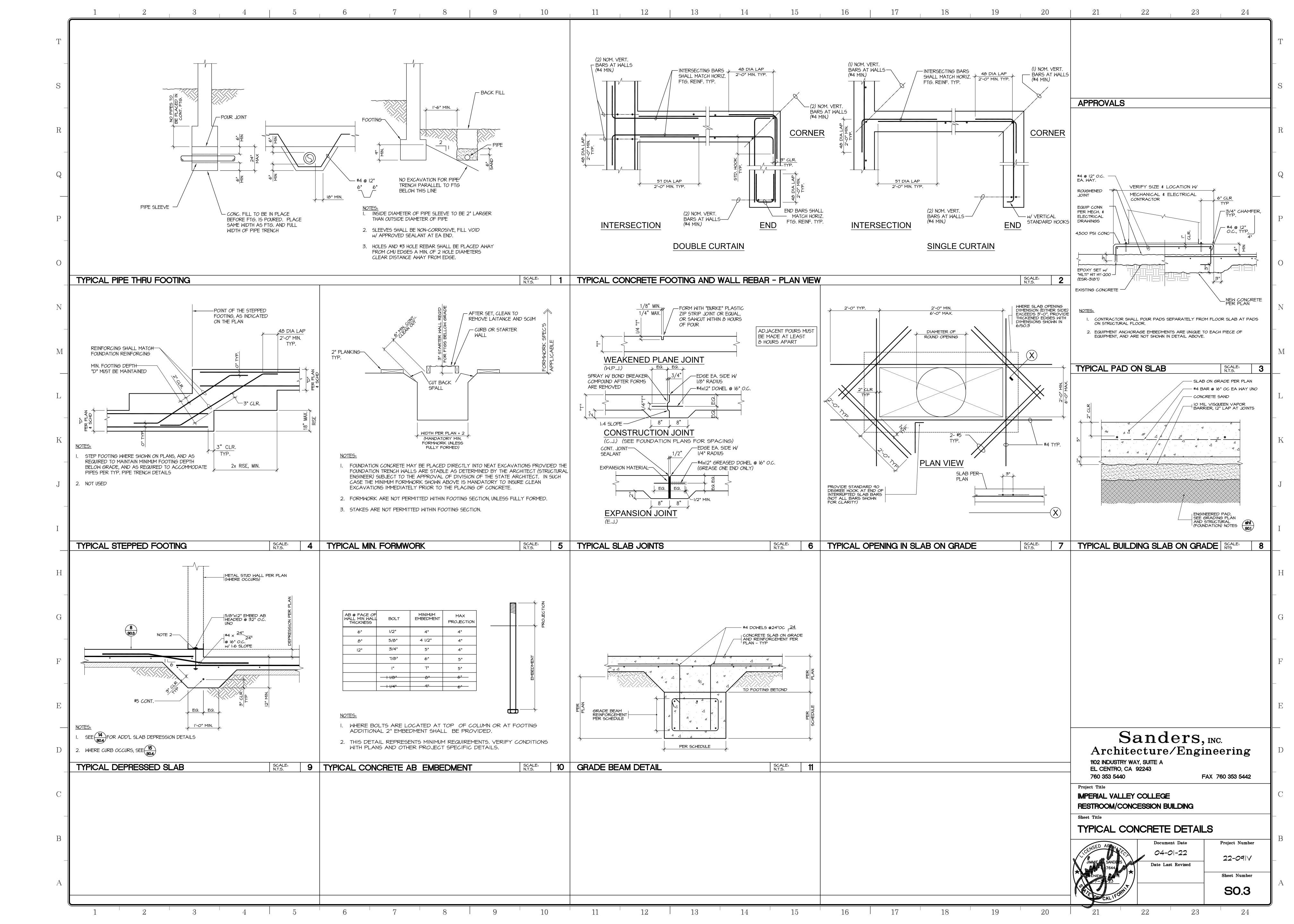


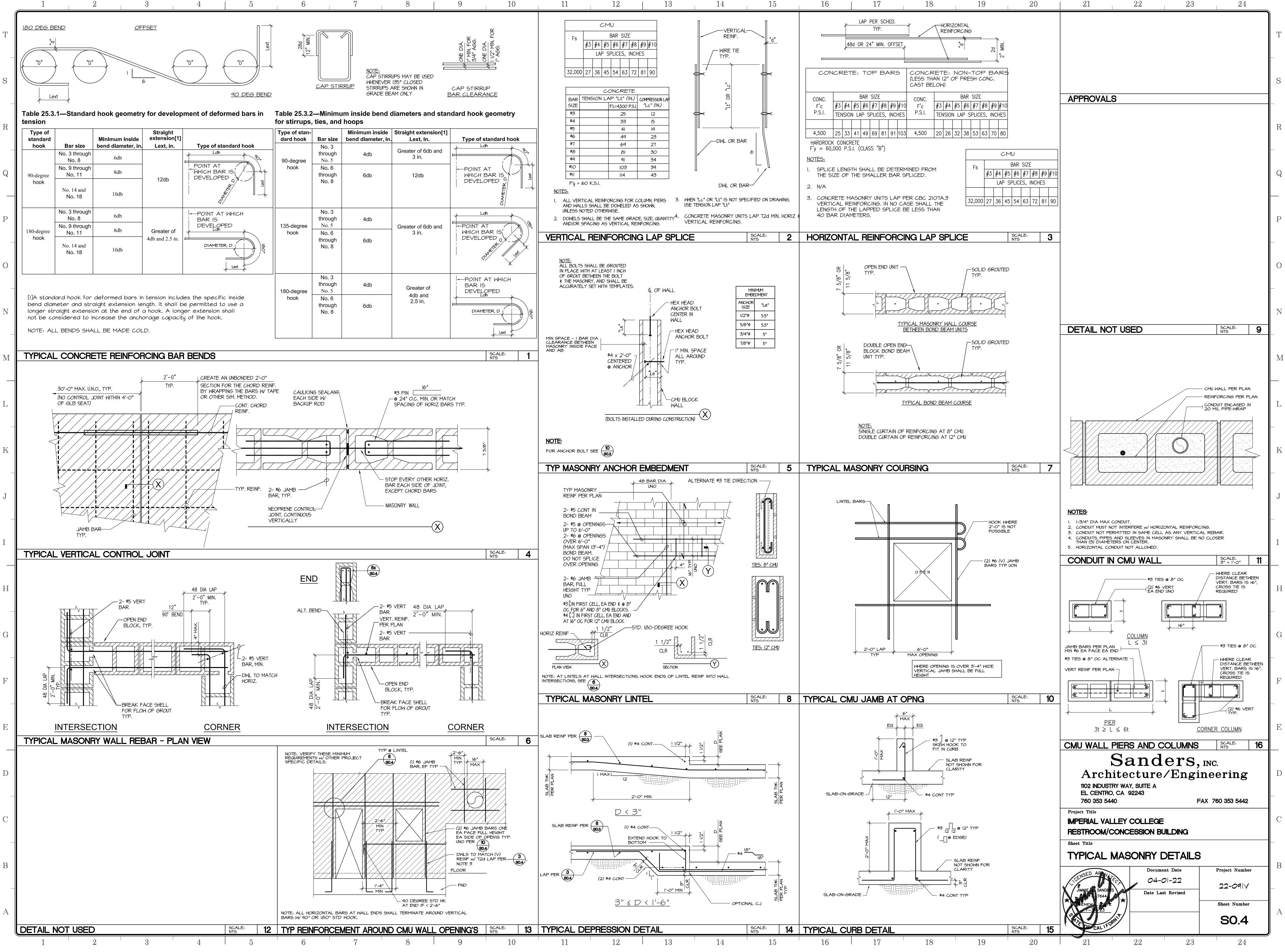
,	1		2		3	4		5	6		
	EXPANSION A	ND ADHESIVE	ANCHORS:						STRU	CTURAL OB	3 SERVATION
Т	*CONCRE	TE ADHESIVE /	ANCHORS SHAL	L BE BY "HILT	[1" HIT HY-20(D ADHESIVE ANC	HOR SYSTEMS OF HIT HY-270 (ES	<pre></pre>	1.	PER 2019 LICENSED	CALIFORM
	1. CONCRE	TE EXPANSION	ANCHORS SH	ALL BE BY "HI	LTI" KB-TZ2 ((ESR-4266) OR	AN APPROVED*E	QUAL. ALL	:	STRUCTUR/	AL DESIGN
_	MASONR ANCHOR	Y EXPANSION S SHALL BE F	ANCHORS SHA PROOF LOAD T	ll be by "Hil Ested by App	.TI" KWIKBOLT- LYING A TEST	-3 (ESR-1385)	OR AN APPROVED) EQUAL.	(THE APPR	TION CHAI
S		•	6 FOR TESTING AL WEIGHT COI							ARCHITECT TO DSA.	SHALL S
	ANCHOR DIAMETER		ON (KB-TZ2)		ADHESIVE (HIT	HY-200)) TORQUE (FT-1			ABBR	REVIATION	
_	(IN.) 3/8	EMB. 2 1/2"	30	_B) EMB. 3 1/2"						х Ф Р	AND AT Center LII Plate, Pro
Ð	1/2 5/8	3 1/2" 4"	50 40	<u> </u>	4200 6200					A.B. ADJ A.F.F.	CINTER LI PLATE, PRO ANCHOR B ADJACENT ABOVE FINI ARCHITECTU
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_	<u>NOTE:</u>							ЭT		BLK'G BLW BM	BLOCKING BELOW BEAM BOUNDARY BOTTOM BEARING
			-			INSPECTION RE	CE IN ICC REPOF QUIRED	K I		B.N. BOT. BRG	BOUNDARY BOTTOM BEARING
Q	ANCHOR DIAMETER	2	SION (KB-3)		ADHESIVE (HI	· · ·	(10)			B.S. BTWN C.B. C.F.	BOTH SIDE BETWEEN CARRIAGE I CUBIC FOO CHAMFER CAST-IRO
	(IN.) 1/4	EMB. 2"	TORQUE (FT/	(LB) EMB. –		3) TORQUE (FT/ –				CHAM C.I. C.I.P.	CHAMFER CAST-IRON CAST-IN-F CONTROL
	3/8 1/2	2 1/2" 3 1/2"	15 25	<u> </u>						C.J. CLG CLK CLK'G	CEILING CAULK CAULKING
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0		Following S R Type / Dial		TION TORQUE V	VALUES FOR S	CREW ANCHORS: BASE MATERIAL	TORQUE (FT-LI	3)		DEP DET D.F. D.F.L.	DETAIL DOUGLAS F
V	1/4" [DIA. HILTI "KH	EZ"	1-5/8"	ESR-3056	CMU	21			dia Diag Dim.	DIAMETER DIAGONAL DIMENSION
_		dia. Hilti "kh dia. Simpson '		3 1/4" 2 3/4"	ESR-3056 ESR-2713	CMU CONCRETE	22 50			d.l. DN DIV DR	DEAD LOAE Down Division Door
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N	WILL BE	REQUIRED FO	OR ANY SUBSTI	TUTIONS.				то		Ē.F. El. Elev. E.N.	EACH FACE ELEVATION ELEVATION EDGE NAIL
		CTION 1910A.5		DHESIVE ANCHU	ors in harder	NED CONCRETE :	SHALL CONFORM	10		E.N. EQ. EQUIP E.S.	EQUAL
			SIVE ANCHOR ED BY DSA FO			PECTED BY A SP	ECIAL INSPECTOR			E.W. Exist'g Exp	EACH SIDE EACH WAY EXISTING EXPANSION
\mathbb{M}							OF THE PROJECT HE SUBJECT ANCH			EXT F.D. FDN F.F.	EXTERIOR FLOOR DRA FOUNDATIO FINISH FLO
			PANSION AND					101(3.		FIN. FLR. F.N.	FINISH Floor Field Nail
	STR	LICATION: UCTURAL			10	JANTITY: 00% OF BOLTS				F.O FRM'G F.S. FT	FACE OF _ FRAMING FAR SIDE FEET / FO
L	SILL	. Plate I-structural	(EQUIPMENT A	NCHORAGE, ET	TC.) 50	0% OF BOLTS 0% OF BOLTS				FTG GA GALV	FOOTING GAUGE GALVANIZEE
			LL BE APPLIED E TABLES ABOV			YDRAULIC JACK,	OR A CALIBRATEI)		g.i. Glb GRD GYP	GALVANIZEE GLU-LAMIN GRADE GYPSUM
_	8. THE FO	LLOWING CRITE	RIA SHALL APF	PLY FOR THE A	ACCEPTANCE O	F INSTALLED AN	CHORS:			H.D. HDR HGR	HOLDOWN HEADER HANGER HORIZONTA
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K						ANCHORS, A PI THE NUT BECC	RACTICAL WAY TO DMES LOOSE.			HVAC IN. INSP.	HEIGHT HEATING, V INCH INSPECTION
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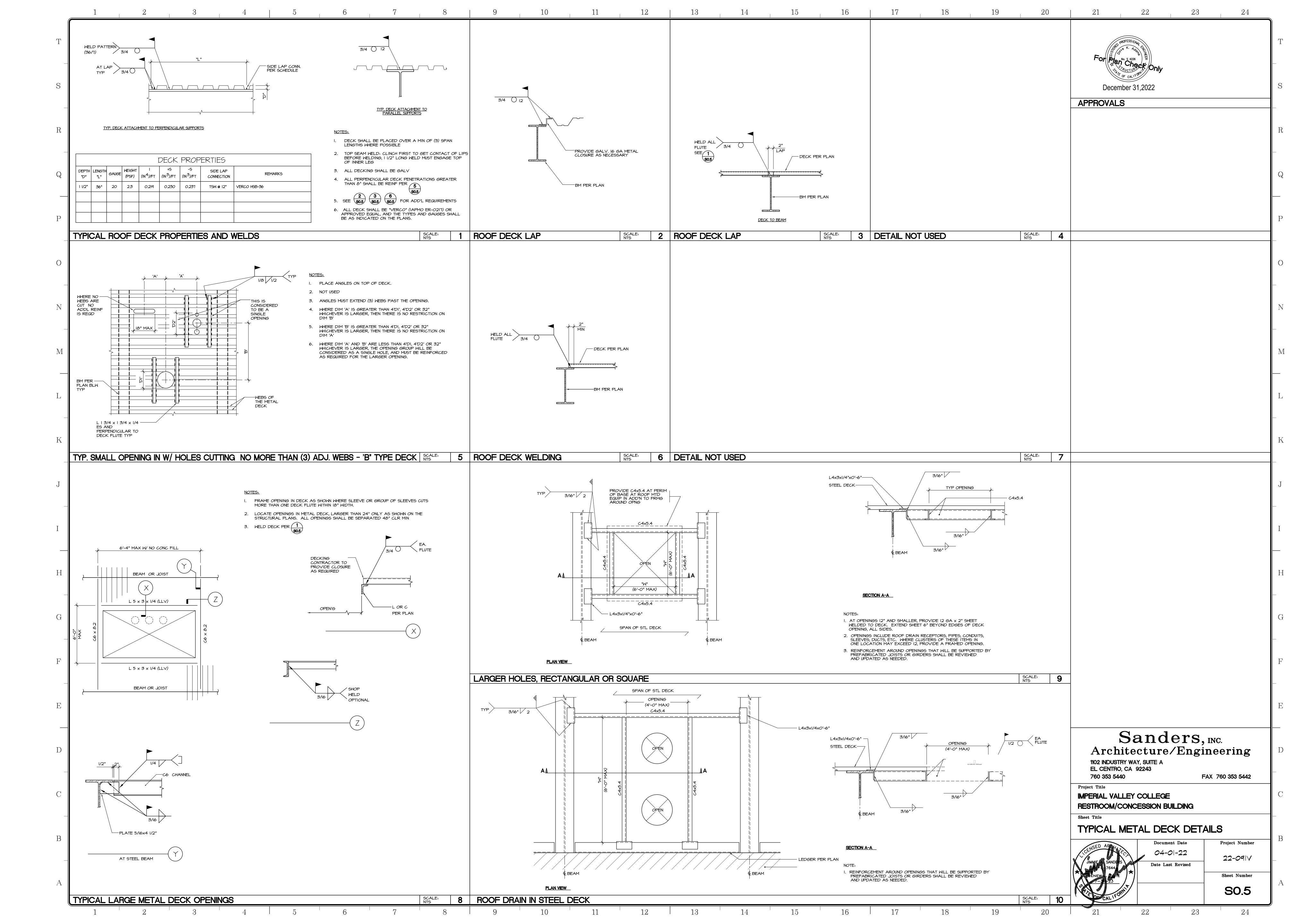
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<u>BSERVATION:</u> CALIFORNIA ADMINISTRATIVE COE ENGINEER OR ARCHITECT RESPO AL DESIGN, OR HIS DESIGNATED (E SITE VISITS TO OBSERVE GENE ROVED STRUCTURAL PLANS, SPEC	DE, SECTION 4 NSIBLE FOR THE ENGINEER OR A ERAL COMPLIANC	333. A E RCHITECT E WITH													
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BUILDING BLOCK BLOCKING BELOW BEAM BOUNDARY NAII	L.S. LT. MAS MAT. MAX. M B	LAG SCREW LIGHT MASONRY MATERIAL MAXIMUM MACHINF BOLT													
BOTTOM BEARING BOTH SIDE BETWEEN CARRIAGE BOLT	MAI. MAX. MEB. MECH'L MEZZ. MIN. M.H. MANUF. MTL. N.S.	MECHANICAL MEZZANINE MINIMUM MANHOLE MANUFACTURER													
CHAMFER CAST-IRON CAST-IN-PLACE CONTROL JOINT CEILING	N.S. N.I.C. NOM. N.T.S. O.C. O.D. O.H. OPN'G	NETAL NEAR SIDE NOT IN CONTRACT NOMINAL NOT TO SCALE ON CENTER OUTSIDE DIAMETER OPPOSITE HAND													
Caulk Caulking Clear Concrete Masonry Unit Center Column	0.D. 0.H. 0PN'G 0PP 0.W.J. P.C.	OPENING OPPOSITE OPEN WEB JOIST PRECAST													
Concrete Connection Continuous Countersink Penny Double	OFW- O.W.J. P.C. PERP. PLYWD PNL PREFAB P.S.F. P.S.I. PT_	PERPENDICULAR PLYWOOD PANEL PREFABRICATED POUNDS PER SQUARE POUNDS PER SQUARE	Foot Inches												
DEPRESSED DETAIL DOUGLAS FIR DOUGLAS FIR/LARCH DIAMETER DIAGONAI	PT P.T. P.V.C. RAD R.D. REF. REINF. REQ'D	POINT PRESSURE TREATED POLYVINYL CHLORIDE RADIUS ROOF DRAIN													
DIMENSION DEAD LOAD DOWN DIVISION DOOR DEAMING	REINF. REINF. REV RF RFTR R.H. RM	REFERENCE REINFORCED / REINF REQUIRED REVISION ROOF RAFTER ROOF HATCH	ORCING												
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EDGE NAIL EQUAL EQUIPMENT EACH SIDE EACH WAY EXISTING	Sched. Sect. S.F. Sht'g Sim. S.M.S. Spec. Sq. Stagg. Stagg. Stipf.	SHEETING													
EXPANSION EXTERIOR FLOOR DRAIN FOUNDATION FINISH FLOOR FINISH	SQ. S.S. Stagg. Std Stiff. Stl.	SINELTING SIMILAR SHEET METAL SCREW SPECIFICATION SQUARE STAINLESS STEEL STAGGERED STANDARD STIFFENER STEEL													
Floor Field Nail Face of Framing Far Side Feet / Foot	STL. STRUCT'L S.T.S. SYM SYS T & B T & G	STRUCTURAL SELF TAPPING SCREW SYMMETRICAL SYSTEM													
FOOTIŃG GAUGE GALVANIZED GALVANIZED IRON GLU—LAMINATED BEAM GRADF	T & B T & G TEMP THK THKN'D THRU T.L. T.O. T.S.G. TYP. U.N.O. VERT. W/	Temporary Thick Thickened Through Total Load Top of													
GYPSUM HOLDOWN HEADER HANGER HORIZONTAL HARD	T.S.G. TYP. U.N.O. VERT. W/ W/O	TOP OF TAPERED STEEL GIRDI TYPICAL UNLESS NOTED OTHE VERTICAL WITH WITHOUT													
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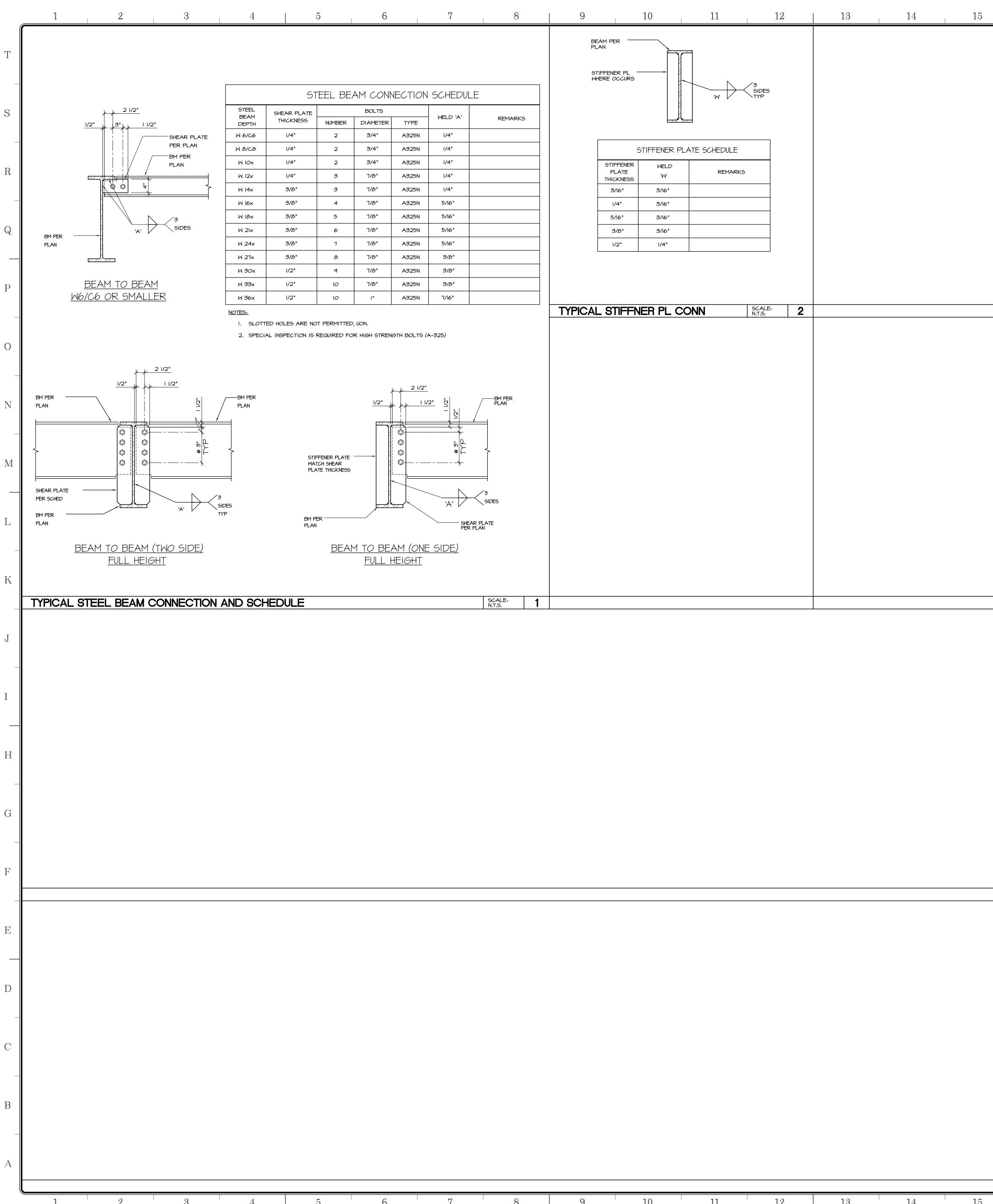
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) iron Ated beam	T.L. T.O T.S.G. TYP.	TOTAL LOAD TOP OF TAPERED STEEL GIRDER TYPICAL UNLESS NOTED OTHERWISE												
L NGTH BOLT	U.N.O. VERT. W/ W/O WD	VERTICAL WITH WITHOUT WOOD												
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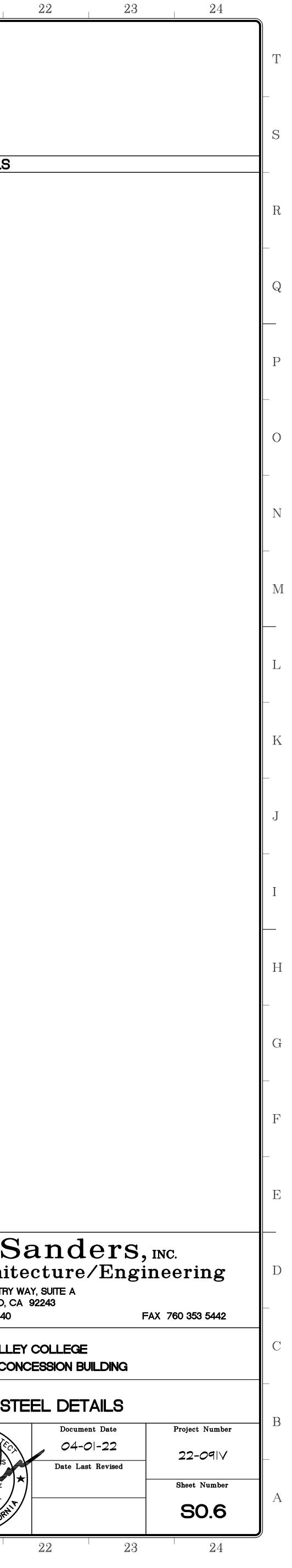


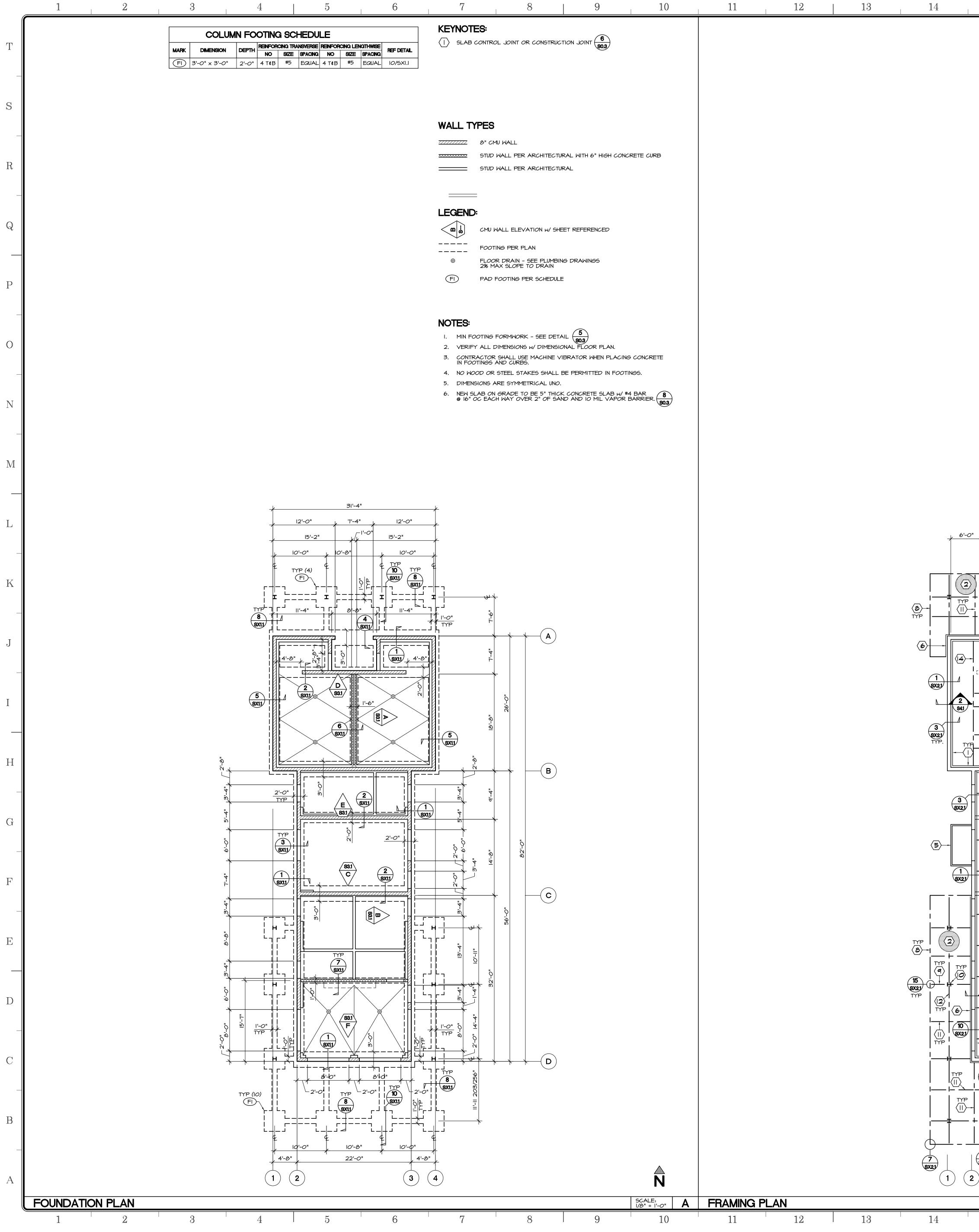




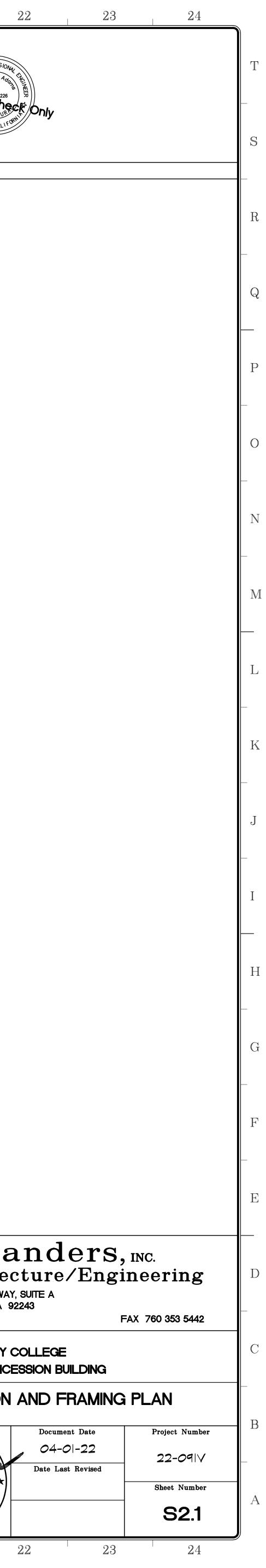
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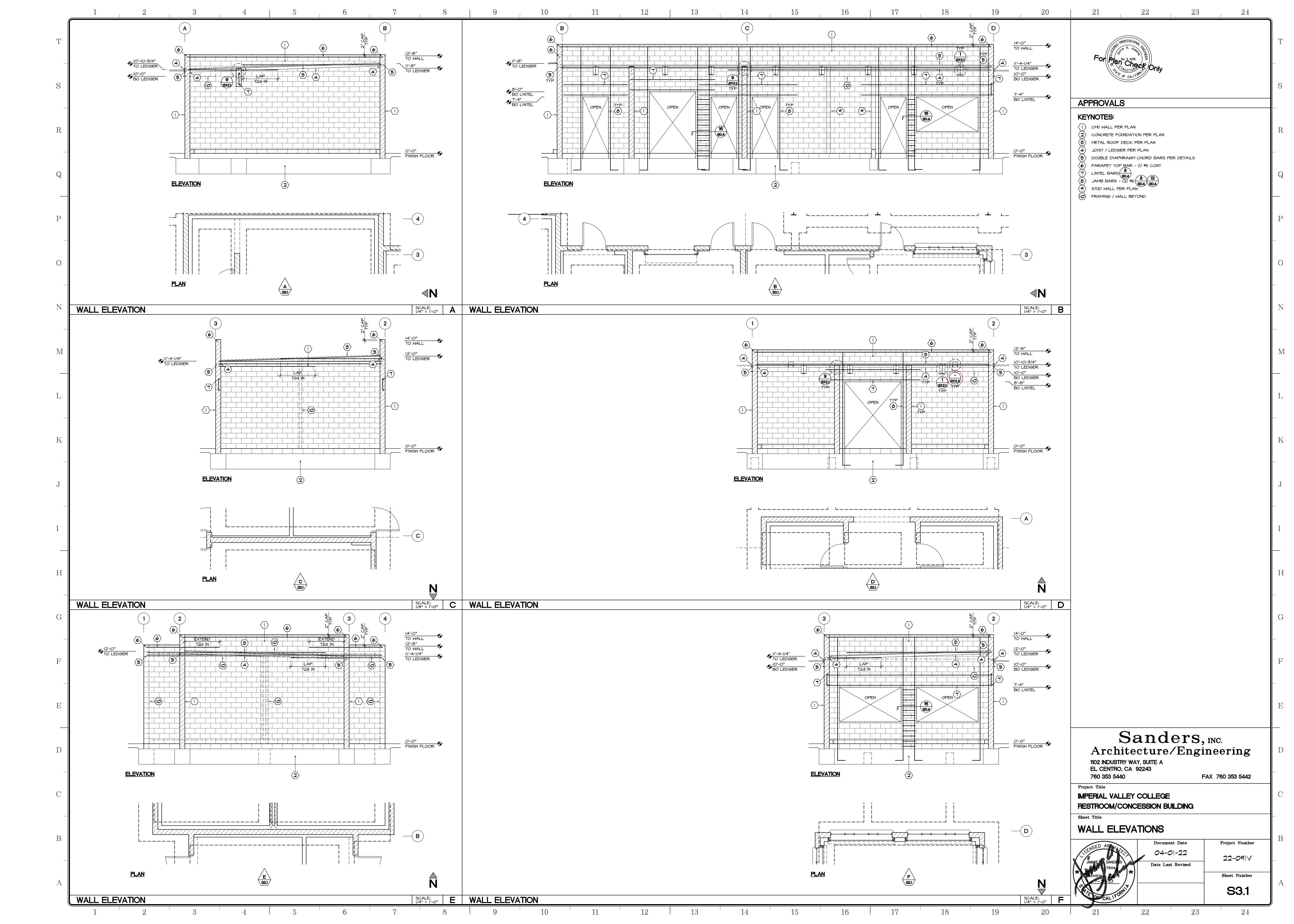
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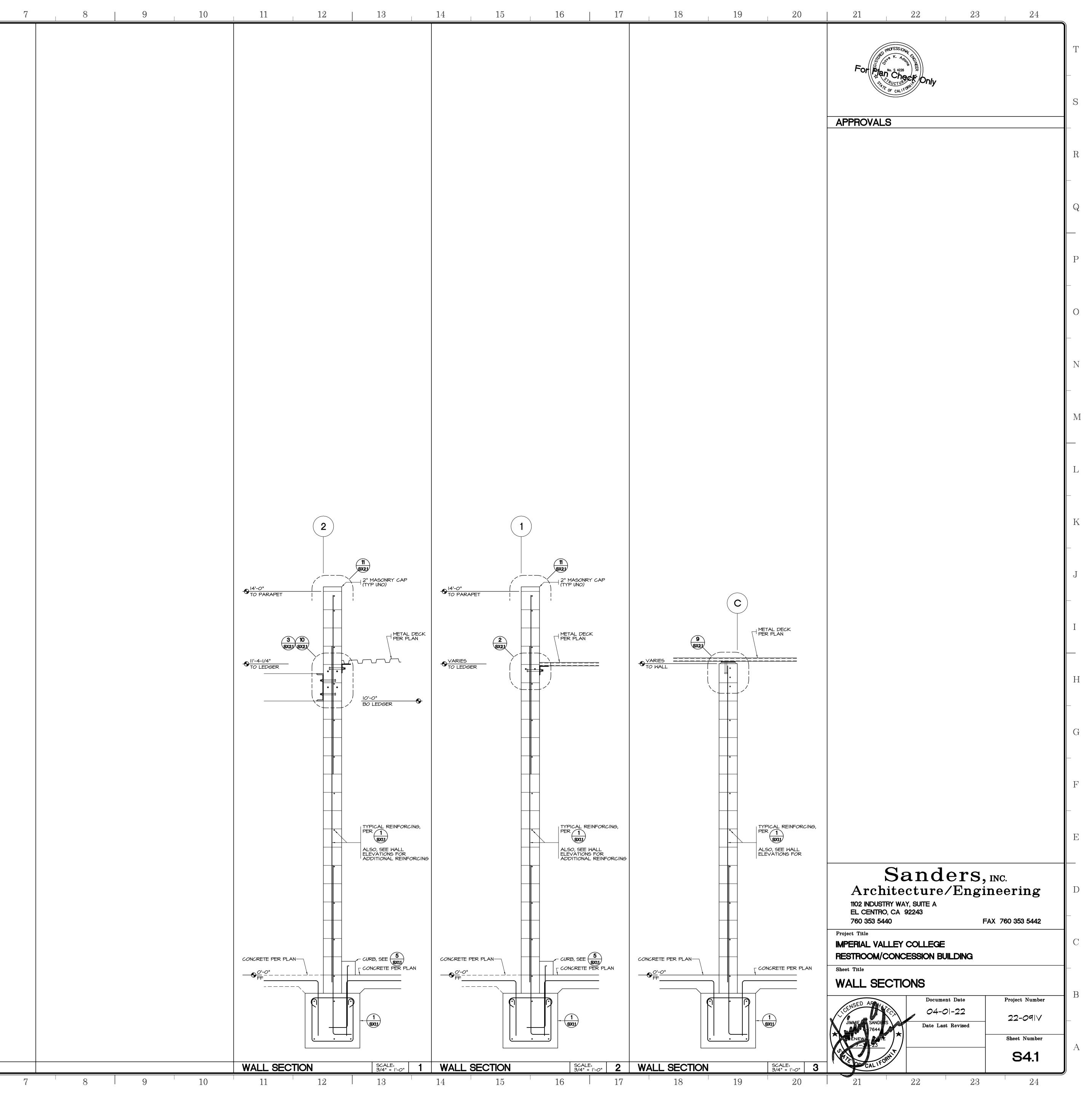


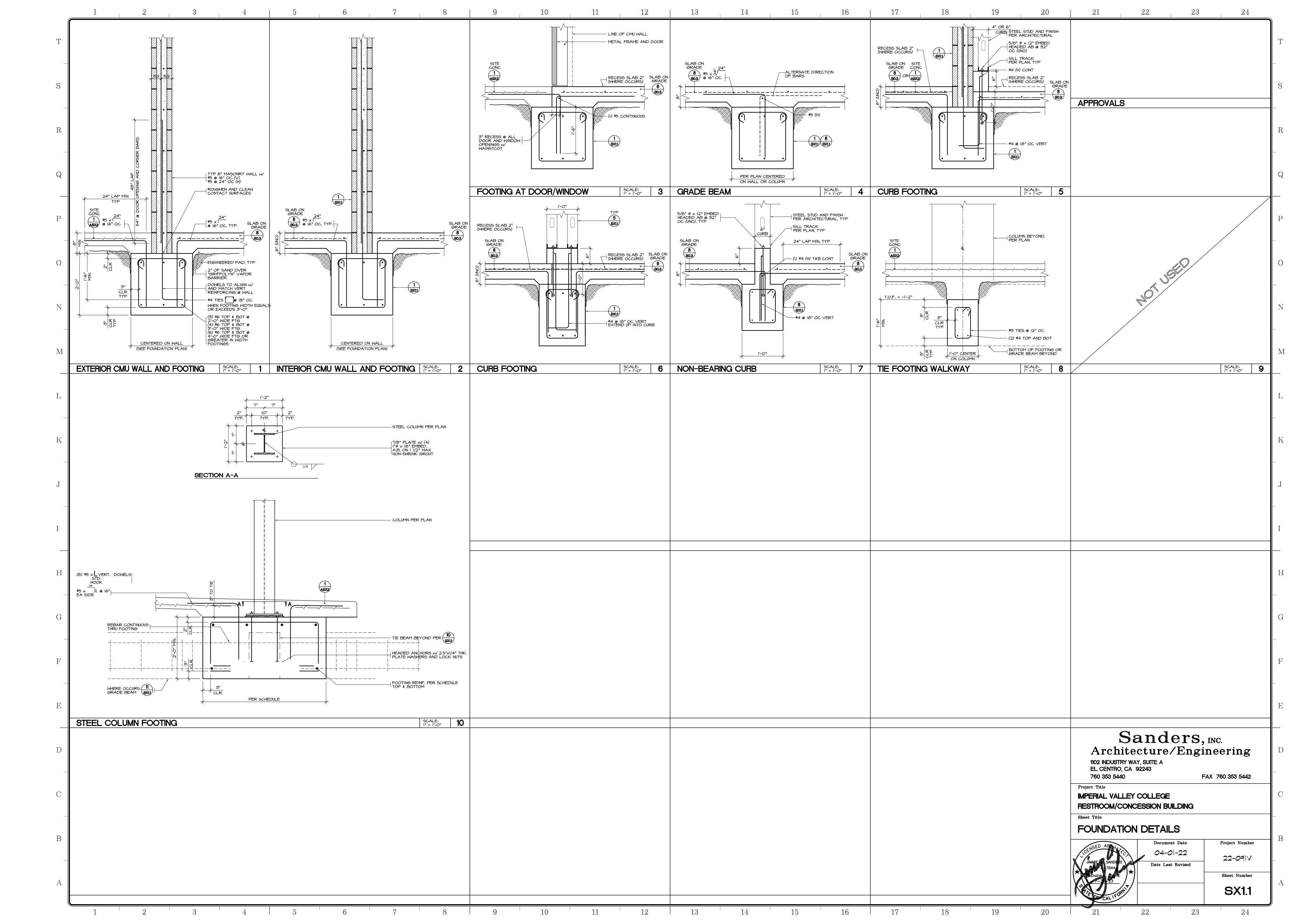
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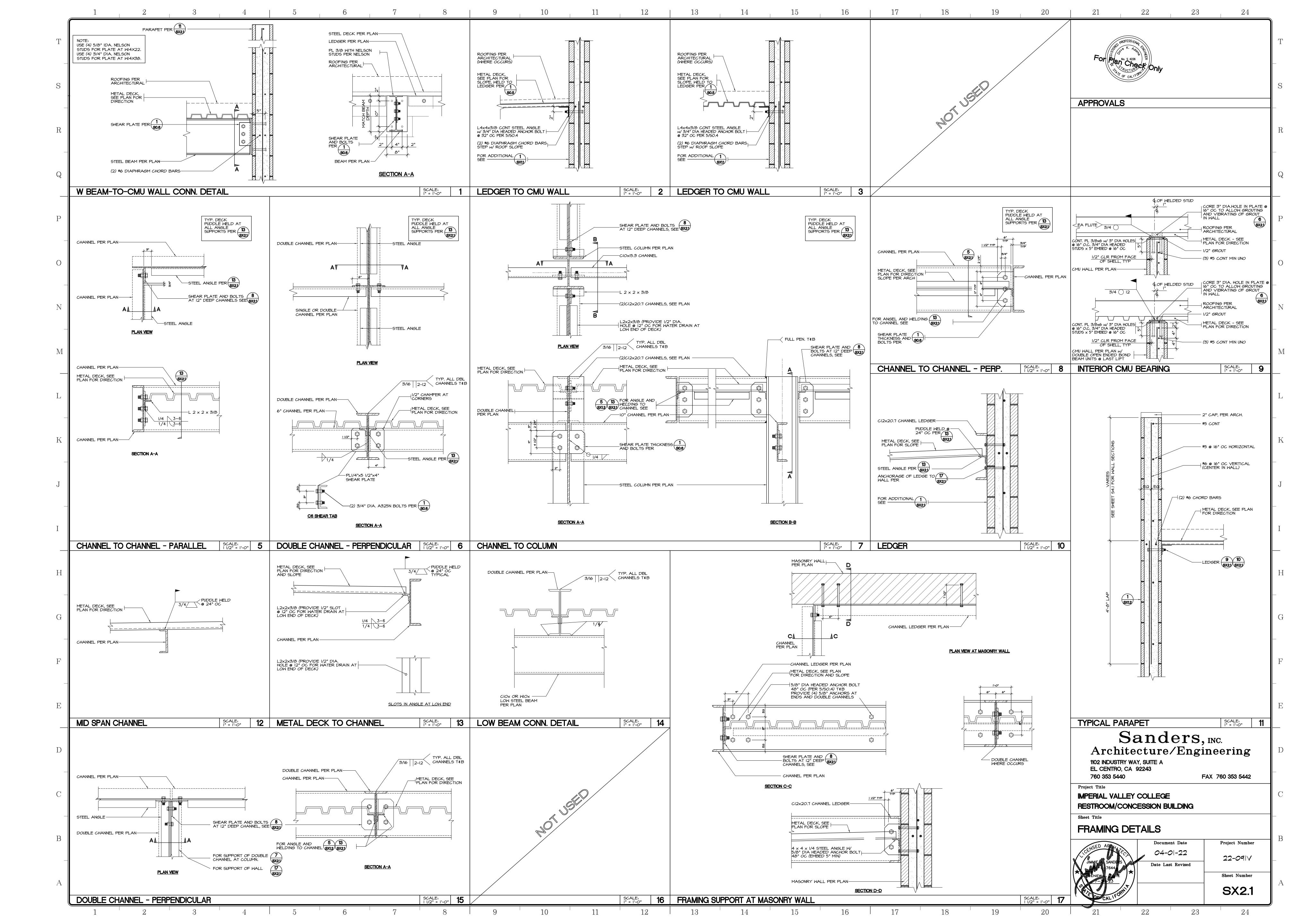


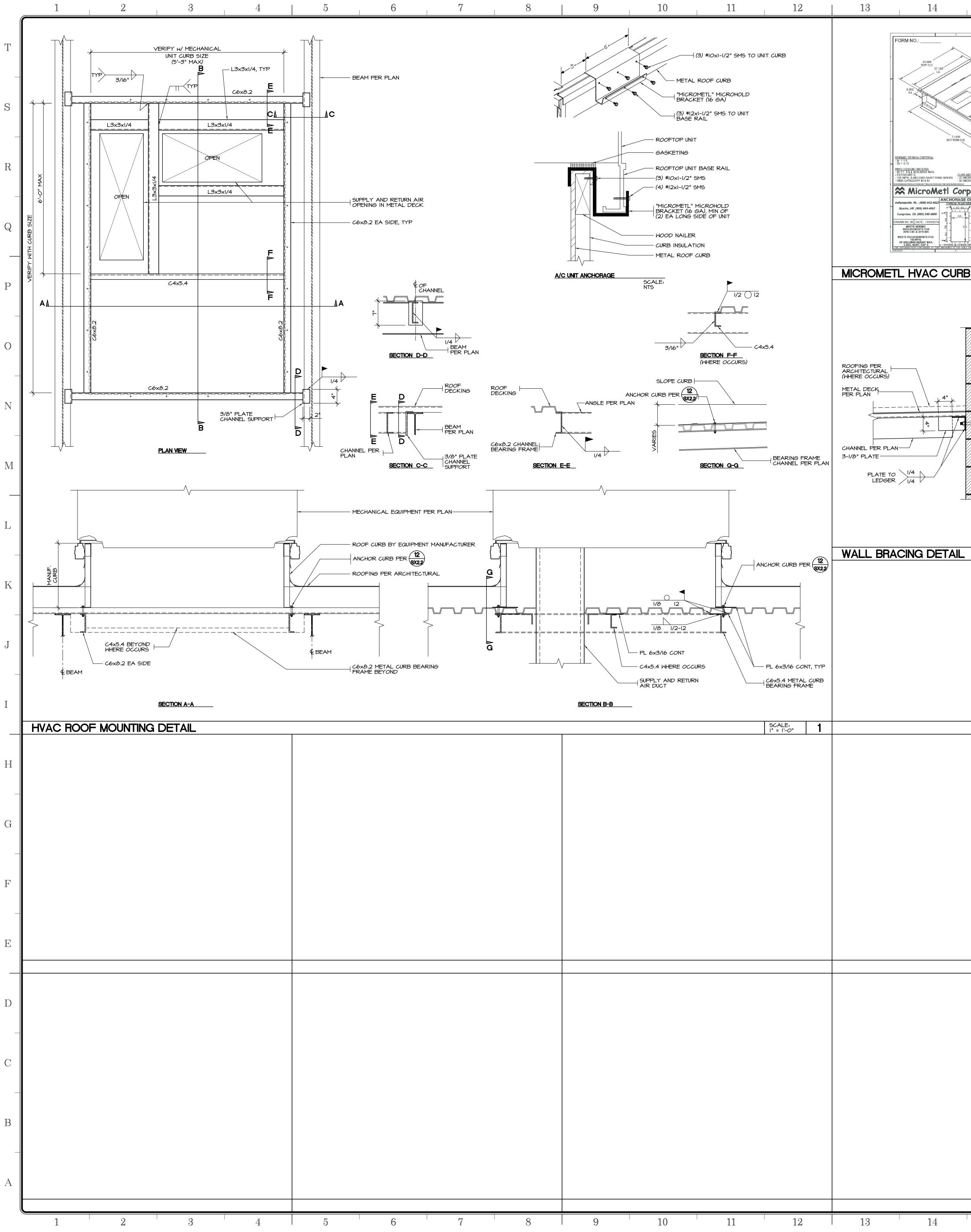


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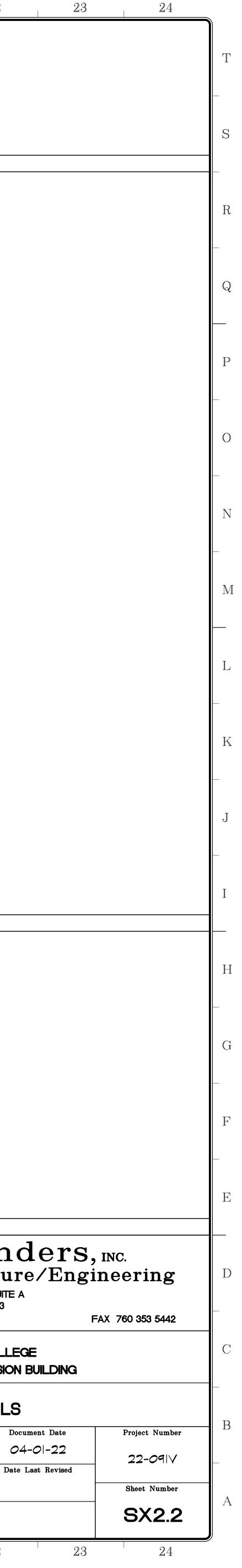








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Р	LAB PU	BEL GRADE ABV GRADE			PLVENT CE PURE SOCK				4,5		
	NOT										
	2.	INSULATE HOT WATER w/ I" LEAD FREE SOLDER.				OVERS.					
0	4.	PIPING BELOW FLOOR TO E WRAP SLAB PENETRATIONS SLOPE PIPING @ 1/4" (2%) F	b.			FOR 1/8	3" (1%) SI	_OPE.			
	6.	INSULATE w/ 3/8" WALL FO, SLOPE PIPING @ 1/8" (1%) PI	AMED PLASTIC PIPE								
N T	WATE	RUSE SCHEDULE									
N		FIXTURE "	TYPE	BASELINE	MAX FLC		: DPOSED	DESIC			
				1.28 GPF			1.28 E	PF	•		
		URINAL SHOWER HEAD, SINGLE		0.5 GPF 2.0 GPM			0.25 F N/A				
M		SHOWER HEAD, MULTIPL	E	2.0 GPM 0.5 GPM			N/A 0.5 G				
	HGH	KITCHEN FAUCET		1.8 GPM	SPACE)		1.5 <i>G</i> F N/A				
				0.20 GPC			0.20 6	9PC			
L			R WASH FOUNTAIN	0.20 GPM/20 (RIM	SPACE)		N/A				
		PLUMBING FIXUTRES SHALL LAVATORY FAUCETS IN PUE					HAPTER	5 DIVIS	10N 3.		
K											
											
		WATER D				GF				FIXTURE U	INITS
J	BUILDING OR THES	ER METER AND PIPING MAIN NEW WATER PIPING SHALL E SCHEDULES WHICHEVER IS ALLY NOTED IN NO CASE S	BE SIZED PER THE	PLAN	SIZE	H.W	С.М	H.M	C.W		ANK C.W
	EXCEED	7 F.P.S FOR COLD WATER A			1/2" 3/4"	3.5 7.0	3.5 9.0	4.8 5.0	4.8 6.0		5.0 12.0
_	<u>SIZE</u> /2"	<u>GPM</u> <u>F.T. FIXT. U</u> 3 4	0	<u>ITS</u>	"	14.0	17.0	5.0	6.0		24.0
	3/4" " /4" /2"	7 9 15 21 25 40 38 80	1.5 5 8.5 25		- /4" - /2"	20.0 28.0	27.0 38.0	5.0 5.0	6.0 6.0		45.0 80.0
	2"	10 225	llo		2"	45.0	70.0	N/A	6.0		225.0
	<u>PIPE CA</u> <u>SIZE</u> I/2"	<u>ACITY SCHEDULE - HW</u> <u>GPM F.T. FIXT. U</u> 3 4	NITS F.V FIXT. UN	<u>ITS</u>	2-1/2" 3"	N/A N/A	105.0 160.0	N/A N/A	6.0 7.0		105.0 594.0
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		WATER FIXTU	RE UNIT SUMMARY]						
G	QTY	FIXTURE	F.U./FIX	T TOTAL							
	т 8	W.C.(FV) LAV	8.0 1.0	56.0 8.0							
	3	URINAL	5.0	15.0							
F		O.F. MOP SINK	1.0 3.0	1.0 3.0							
-		3 COMPARTMENT SI	NK 4.0 2.0	4.0 2.0							
_		HOSE BIB	2.5/1.0	3.5							
ר ד			92.5	5 FTFU = 65 CPM	J						
E											
			CIAL WATER FLOW RATES]						
	FIX			LOW RATE							
D		RY, PUBLIC (METERING) RY, PUBLIC (NON-METERING)	0.20 GALLON PI 0.5 GPM @ 60 P								
_	WASH FC WASH FC	UNTAIN (METERING) UNTAIN (NON-METERING) IEAD (INCLUDING HANDHELD	0.20 [RIM SPACE 1.8 [RIM SPACE(11	E(IN.)/20GPM @60PSI] N.)/20GPM @60PSI]]						
	KITCHEN URINAL WATER (FAUCET	I.8 GPM @ 60 PS 0.125 GALLON PE 1.28 GALLON PE	61 ER FLUSH							
-	NOTES:				1						
С		BING FIXTURE AND FITTING									
С	REQU	REMENTS IN SECTION 5.303 ING CODE									
C _	REQU BUILE 2. EACH FLOM	ING CODE SELF CLOSING LAVATORY OF 0.20 GALLONS/CYCLE									
С — В	REQU BUILD 2. EACH FLOM 3. EACH 4. URINA	ING CODE SELF CLOSING LAVATORY	EXCEED A WATER F								
_	REQU BUILD 2. EACH FLOM 3. EACH 4. URINA 5. WATE 6. EACH 7. WHEN	ING CODE SELF CLOSING LAVATORY OF 0.20 GALLONS/CYCLE SHOWERHEAD SHALL NOT I LS TO BE 0.125 G.P.F. MAX R CLOSETS SHALL BE 1.28 KITCHEN FAUCET SHALL NO A SHOWER IS SERVED BY I	EXCEED A WATER F G.P.F MAX. DT EXCEED A WATE MORE THEN ONE SHO	FLOW 2.0 GPM R FLOW OF 1.8 GPM OWERHEAD, THE							
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B 	REQU BUILD 2. EACH FLOM 3. EACH 4. URINA 5. WATE 6. EACH 7. WHEN COME SHOM 2.0 G DESIG	ING CODE SELF CLOSING LAVATORY OF 0.20 GALLONS/CYCLE SHOWERHEAD SHALL NOT I LS TO BE 0.125 G.P.F. MAX R CLOSETS SHALL BE 1.28 KITCHEN FAUCET SHALL NO A SHOWER IS SERVED BY N SINED FLOW RATE OF ALL T ER OUTLETS CONTROLLED I	EXCEED A WATER F G.P.F MAX. DT EXCEED A WATE MORE THEN ONE SHO THE SHOWERHEADS BY A SINGLE VALVI PSI, OR THE SHOW SHOWER OUTLET TO	ELOW 2.0 GPM R FLOW OF 1.8 GPM OWERHEAD, THE AND/OR OTHER E SHALL NOT EXCEED ER SHALL BE							
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DESCRIPTION

COLD WATER PIPING

HOT WATER PIPING

GENERAL NO	TES:	
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OFFICETC OF DIDI		-

- OFFSETS OF PIPING. THE PLUMBING CONTR EQUIPMENT SO AS TO CONFORM TO THE S MAINTAIN HEADROOM AND PASSAGEWAYS
- 2. ALL LOCATIONS, POINTS-OF-CONNECTION, ALL EXISTING UTILITIES SHALL BE VERIFIED TO THE COMMENCEMENT OF THE INSTALLA
- 3. THE PLUMBING CONTRACTOR SHALL COORI TRADES PRIOR TO COMMENCEMENT OF THE
- 4. ALL WORK SHALL BE ACCOMPLISHED IN ACC INCLUDING TITLE 24 CCR.
- 5. WHERE PLUMBING PENETRATES AREA SEPA PASSING THROUGH THE WALL SURFACE AND SHALL BE ONLY OF METAL.
- 6. FOR MINIMUM PLUMBING FIXTURE CLEARANCE DRAWINGS.
- 7. WATER HEATER/BOILER WILL COMPLY WITH S EXPANSION REQUIREMENTS AND WITH SE
- RESTRAINT REQUIREMENTS. 8. STATE HEALTH AND SAFETY CODE SECTION
- POLYVINYL CHLORIDE (CPVC) FOR INTERIC 9. FLAME SPREAD / SMOKE SPREAD FOR ALL

TITLE 24 NOTES:

- . PIPING SHALL BE INSULATED CONSISTENT I ADMINISTRATIVE CODE, T24, SECTIONS 118, 2. PLUMBING EQUIPMENT REQUIRING CERTIFICA
- ADMINISTRATIVE CODE, TITLE 24, SECTIO CERTIFIED BY THE MANUFACTURER TO EFFICIENCY STANDARDS. CERTIFICATES AS PART OF THE EQUIPMENT SUBMITTALS. 3. SERVICE WATER HEATING SYSTEMS SHALL
- T24 CALIFORNIA ADMINISTRATIVE CODE.

ENERGY AND WATER CONSERVATI

- I. FIXTURE MAX FLOW RATES SHALL BE PER
- 2. LAVATORY FAUCETS IN PUBLIC RESTROOM 3. PROVIDE VACUUM BREAKERS AT HOSE BI

DESIGN CRITERIA:

- MEP COMPONENT ANCHORAGE NOTE: . ALL MECHANICAL, PLUMBING AND ELECTRIC INSTALLED PER THE DETAILS ON THE DSA WHERE NO DETAIL IS INDICATED, THE FOLL OR BRACED TO MEET THE FORCE OF DISF THE 2016 CBC, SECTIONS 1616A.I.18 THROUG 13, 26 ŧ 30.
- A. ALL PERMANENT EQUIPMENT AND COM B. TEMPORARY OR MOVABLE EQUIPMENT (E.G. HARD WIRED) TO THE BUILDING UT GAS OR WATER.
- C. MOVABLE EQUIPMENT WHICH IS STATION HOURS AND HEAVIER THAN 400 POUND 4 FEET OR MORE ABOVE THE ADJACEN SUPPORT THE COMPONENT ARE REQUIR
- ATTACHMENTS. 2. THE FOLLOWING MECHANICAL AND ELECTRICAL TO THE STRUCTURE, BUT THE ATTACHMENT THESE COMPONENTS SHALL HAVE FLEXIBL THE COMPONENT AND ASSOCIATED DUCTH
- A. COMPONENTS WEIGHING LESS THAN 40 LOCATED 4 FEET OR LESS ABOVE THE DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 SYSTEMS, LESS THAN 5 POUNDS PER FO OR FLOOR OR HUNG FROM A WALL.
- 3. FOR THOSE ELEMENTS THAT DO NOT REAL THE INSTALLATION SHALL BE SUBJECT TO PROFESSIONAL IN GENERAL RESPONSIBLE DELEGATED RESPONSIBILITY AND THE D PROJECT INSPECTOR WILL VERIFY THAT BEEN ANCHORED IN ACCORDANCE WITH T
- PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION . PIPING, DUCTWORK AND ELECTRICAL DISTRI WITH THE FORCES AND DISPLACEMENTS P DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13
- 1616A.1.24, 1616A.1.25 AND 1616A.1.26. 2. THE METHOD OF SHOWING BRACING AND ATTA DISTRIBUTION SYSTEM ARE AS NOTED BE BASED ON A PREAPPROVED INSTALLATION COPIES OF THE BRACING SYSTEM INSTALL AVAILABLE ON THE JOBSITE PRIOR TO THE BRACING OF THE DISTRIBUTION SYSTEMS. VERIFY THE ADEQUACY OF THE STRUCTURE
- LOADS. MECHANICAL PIPING (MP), MECHANICAL DUC DISTRIBUTION SYSTEM (E):
- MP MD PP E OPTION I: DETAILE PROJECT SPECIFI
- MP MD PP E OPTION 2: SHALL PRE-APPROVAL (
 - RESTRAINT MANU ANY ADDENDA. NOT SPECIFICALL RESTRAINT MANU THE APPROVED I NOTES AND DETA THE APPLICABLE

PLASTIC PIPE IN PLUMBING

- I. APPROPRIATE PLASTIC PIPE MAY BE US IT MAY BE USED FOR WASTE LINES IN PORT USED FOR DRAINS CARRYING ACID WASTE I USED FOR WATER DISTRIBUTION LINES WITH
- OF BUILDINGS. 2. PLASTIC PIPE OF THE APPROPRIATE OUTSIDE OF BUILDINGS FOR CARRY
- 3. PLASTIC CONDUIT AND INSULATION MAY E

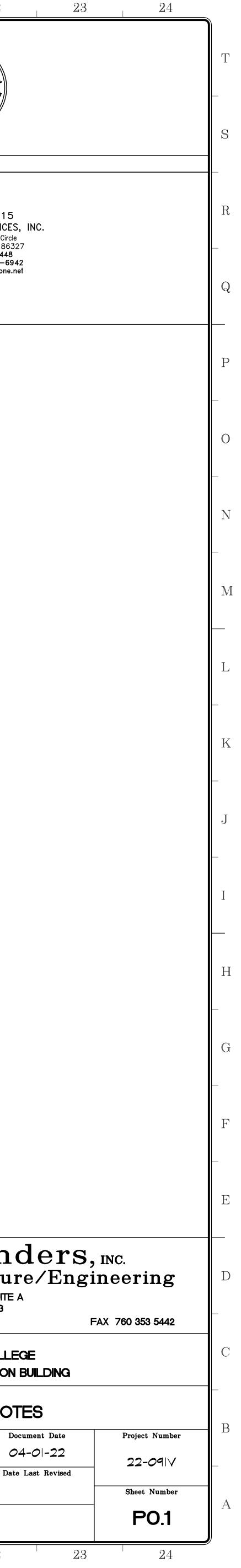
4. FLAME SPREAD RATING FOR WALL INSULA DEVELOPED INDEX NOT TO EXCEED 450 WHEN

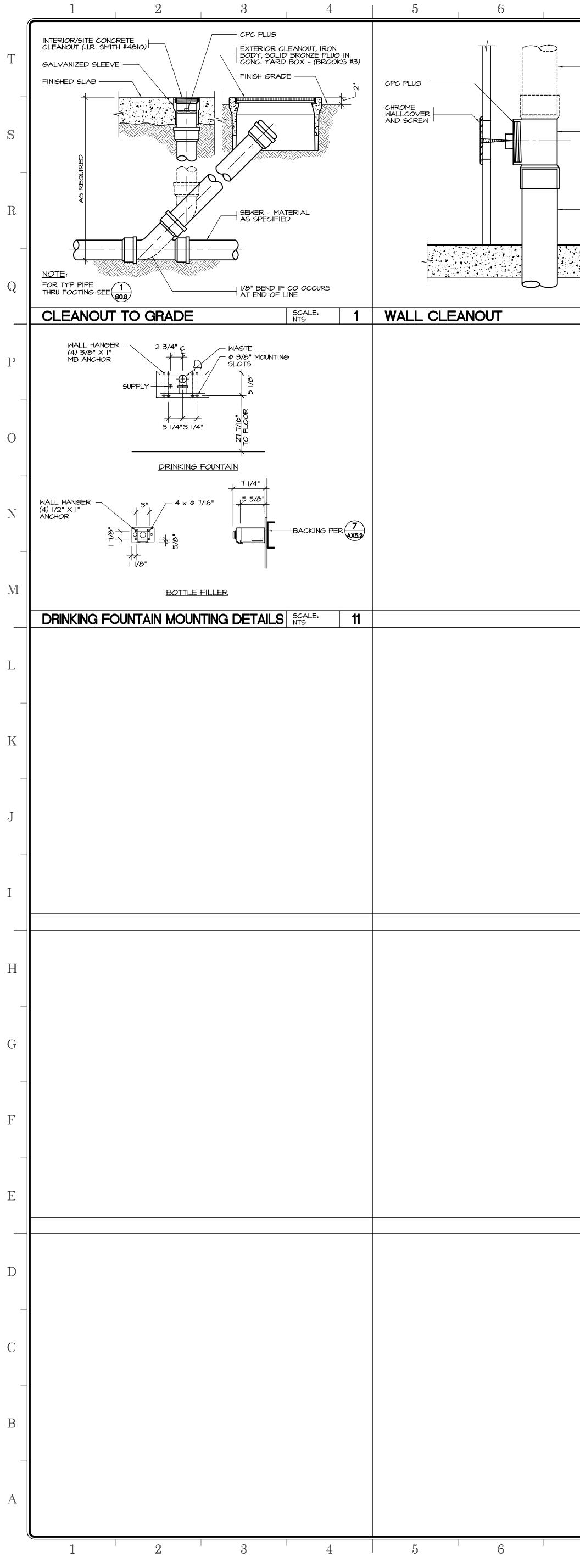
PLUMBING KITCHEN NOTES:

- INSTALLATION OF SOIL OR DRAIN PIPING COMPLY WITH SECTION 317.0 2016 C.P.C. - OPENINGS THROUGH FLOORS OVER FOOD TIGHT TO THE FLOOR CONSTRUCTION - FLOOR DRAINS OVER FOOD HANDLING AR PAGE PANS - SOIL OR DRAW PIPES SHALL BE OF APT CLEANOUTS SHALL EXTEND THROUGH TH - PIPING SUBJECT TO OPERATION OF TEMP SHALL BE THERMALLY INSULATED - WHERE PIPES ARE INSTALLED IN CEILING SHALL BE OF THE REMOVABLE TYPE, OR IN ORDER TO FORM A READY ACCESS F PLUMBING CONTRACTOR SHALL ROUGH-IN EQUIPMENT, SEE FOOD SERVICE DRAWINGS COORDINATE EXACT REQUIREMENTS WITH A CONSTRUCTION. SEE FOOD SERVICE DRAW COORDINATE AND VERIFY EXACT LOCATION KITCHEN EQUIPMENT CONTRACTOR, SEE FO - COORDINATE AND VERIFY EXACT LOCATION (KITCHEN EQUIPMENT CONTRACTOR, SEE FOR - PROVIDE PRESS REGULATING VALVE FOR REQUIREMENTS - VERIFY THE TYPE OF GRATES FOR FLOOR S GRATES SHALL BE REMOVABLE, SEE FOOD - ALL DIRECT CONNECT WATER CONNECTIONS TO USE PROTECTED AGAINST BACKFLOW. CARBON COMBI-OVENS, WATER SYSTEMS AND COUNTERTO BE PROTECTED BY REDUCED PRESSURE BACKFLC AND SIMILAR EQUIPMENT WITH DIRECT CONNECTION A DOUBLE CHECK VALVE TYPE BACKFLOW PREVEN - PROVIDE WATTS 1/2" #009 REDUCED PRESSU PROTECTION FOR WATER FILTERS WITH DR - PLUMBING CONTRACTOR IS TO INSTALL & PRO AND SPECIFIED ON SEE FOOD SERVICE DR PROVIDE ALL INDIRECT WASTE PIPING PE REFRIGERATED DRAINS - HOT WATER TO KITCHEN EQUIPMENT SHALL B - PROVIDE THERMOSTATIC MIXING VALVE TO R
- SEE PLUMBING NOTES ON KITCHEN EQUIPMENT ROOM LAVATORIES & KITCHEN HAND SINKS THE KITCHEN EQUIPMENT CONTRACTOR SHALL PR GAS LINE TO THE KITCHEN EQUIPMENT UNDER THE EXPOSED. IT SHALL BE INSTALLED BY THE PLUM - ALL DISH, PAN, AND WARE WASHERS MUST DRAIN

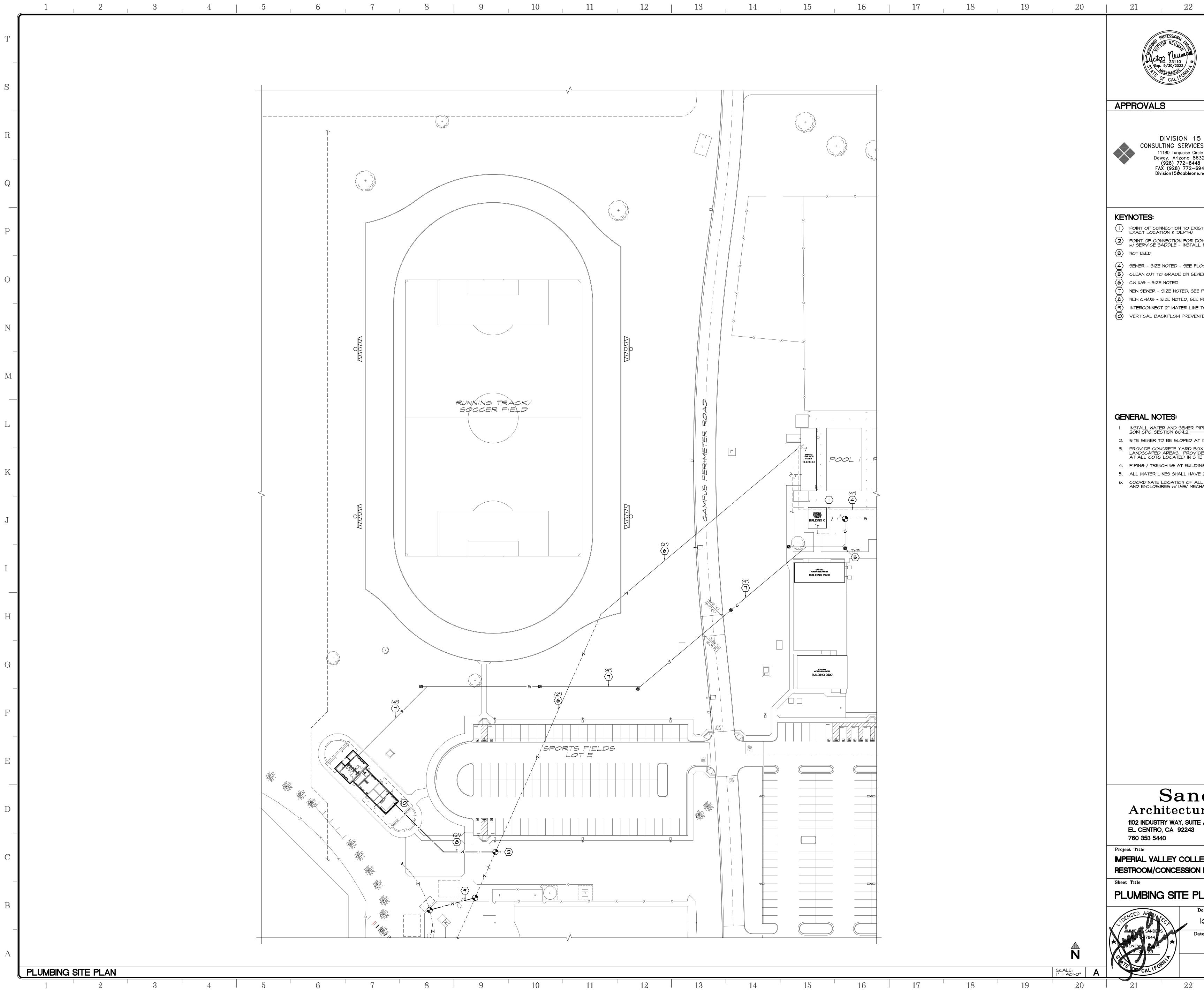
HWR		HOT WATER RETURN PIPING
6	<i>G</i>	NATURAL GAS PIPING
V		SANITARY VENT PIPING
S or W		WASTE/SEWER PIPING BELOW GRADE
S or W		SOIL OF WASTE ABOVE GRADE
CD	CD	CONDENSATE DRAIN PIPING
D	D	INDIRECT DRAIN PIPING
SD	SD	STORM DRAIN PIPING
OD	OD	OVERFLOW STORM DRAIN PIPING
FS		FLOOR SINK
FD	9	FLOOR DRAIN
RD / 0D	ÔÔ	ROOF DRAIN / OVER FLOW DRAIN
WCO	o- ı	WALL CLEAN-OUT W/ ACCESS PANEL
FCO	Ø	FLOOR CLEAN-OUT
сотв	Ø	CLEAN-OUT TO GRADE
P & TRV	кр	PRESS & TEMP RELIEF VALVE
50V	—~~	SHUT OFF (BALL) VALVE (IN RISER)
50V		SHUT OFF (BALL) VALVE (IN-LINE)
C۷		CHECK VALVE
STR		STRAINER
BFP		RED PRESSURE BACKFLOW PREVENTER
		UNION
]	CAP
HB	-+	HOSE BIBB
POC	•	POINT OF CONNECTION
VTR	0	VENT THRU ROOF
U/G		UNDER GROUND
B/F		BELOW FLOOR
A/C		ABOVE CEILING
UTR		UP THROUGH ROOF
WC		WATER COLUMN (GAS)
ΥB		YARD BOX
MHA		WATER HAMMER ARRESTOR
AP	[_]	ACCESS PANEL
UNO		UNLESS NOTED OTHERWISE
бM	— — <i>G</i> M — —	GREASE WASTE
AM	— — AM— —	ACID WASTE
AV	AV	ACID VENT

13	14	15	16		17		18		19	20	21		22
GENERAL NOT	ES:			PLU	MBING	FIXTURE	SCHED	OULE:					
TO BE ACCOMPLIS	SHED AND AS SUCH AF IG. THE PLUMBING COI	REPRESENTATION OF THE RE NOT INTENDED TO SHO NTRACTOR SHALL INSTAL	W ALL REQUIRED L MATERIAL AND	<u>P-I</u>	TC	CLOSET, FLOG OILET - ZURN ALVE - ZURN	#5665, ELC	NGATED, "EC	LE COVANTAGE", 1.28 ENSOR OPERATE	8 GPF D (BATTERY)		ABE PROFESS	IONAL ENC.
MAINTAIN HEADRO	DOM AND PASSAGEWA	E STRUCTURE, AVOID OBS YS. ON, INVERTS, SIZES, AND A		<u>P-2</u>	SE	MALL HUNG, A	ITE #95 OFL					Lictor 1	
TO THE COMMENC	EMENT OF THE INSTALI	IED BY THE PLUMBING CON LATION. ORDINATE HIS WORK WITH			\vee	RINAL - ZURN ALVE - ZURN UPPORT - ZUF	#ZER6003	4V-ULF-CPM	I SENSOR OPERA	TED (BATTERY)		UN EXP. 9/30, FINECHAN OF CA	CAL OF
TRADES PRIOR TO	D COMMENCEMENT OF BE ACCOMPLISHED IN A	THE PLUMBING INSTALLAT	10N.	<u>P-3</u>	B	<u>RY, WALL HUN</u> ASIN - ZURN AUCET - ZUR	#Z5344 20"	X 18" SINGL		6PC @105EC/80P51		6.1	
	PENETRATES AREA SE	EPARATION WALL SURFAC			51	TRAINER - ZL UPPORT - WA	IRN #Z28743	3 GRID DRAI ER SPECIFIC	IN	/8" ANCHORS MIN	APPRC	VALS	
SHALL BE ONLY C . FOR MINIMUM PLUM DRAWINGS.		NCES AND ELEVATIONS SEE	E ARCHITECTURAL	<u>P-4</u>	B	RY, WALL HUN ASIN - ZURN	#Z5344 20"	X 18" SINGL	E HOLE				
WATER HEATER/BO EXPANSION REQL	JIREMENTS AND WITH	H SECTION 608.3, 2016 C.F SECTION 510.5, 2016 C.P			51 Sl	TRAINER - ZL UPPORT - WA (OR ZURN ‡	IRN #Z28743 LL PLATE F Z1231-EZR (3 GRID DRAI ER SPECIFIC CARRIER)	IN CATIONS W/ (4) 3,	6PC @IOSEC/80PSI /8" ANCHORS MIN			SION 15 SERVICES,
	D SAFETY CODE SECT	ION 17921.9 BANS THE USE RIOR WATER-SUPPLY PIPI		<u>P-8</u>	MOP BAS	SIN			RMOSTATIC MIXIN	NG VALVE		11180 T Dewey, /	Turquoise Circle Arizona 86327
		ALL PIPE INSULATION SHAL			F/ 51	ASIN - FIAT AUCET - FIAT TRAINER - FI CCESSORY -	АТ и/ BASIN	√ VACUUM E \	BREAKER RACKET; BUMPER	GUARDS		FAX (92	772-8448 28) 772-6942 5@cableone.net
TITLE 24 NOTE	:Q:			<u>p-q</u>		RAIN - ZURN			AINER OPENINGS	IN ALL DIRECTIONS			
PIPING SHALL BE		IT WITH THE REQUIREMENTS 118, 123, \$ 124 E.E.S.	OF CALIFORNIA	<u>P-11</u>	FLOOR S								
ADMINISTRATIVE	CODE, TITLE 24, SECT	ICATION, AS IDENTIFIED IN TONS III-113, 115 & 120-129 O COMPLY WITH THE C.E.	E.E.S., SHALL BE		Ad PF	CCESSORIES	- SEDIMENT REQUIRED,	BUCKET @ 1/2 OR 1/4 6	SRATE AS SHOW	BORATORY, TRAP			
AS PART OF THE	EQUIPMENT SUBMITTAL	ES OF COMPLIANCE SHAL .S. ALL COMPLY WITH THE RI		<u>P-12</u>		<u>VERFLOW RC</u> RAINS - ZURI			<u>=)</u> 00-W2 (0VERFL01	W)			
	ADMINISTRATIVE CODI				Ad FL	CCESSORIES	- CAST IRC LB LEAD, 8	N DOME (NO " ALL AROUN) PLASTIC); UNDER ND DRAIN BODY	RDECK CLAMP			
	WATER CONSERVA	TION NOTES: ER WATER USE SCHEDULE		<u>P-13</u>	D	VERFLOW RO RAIN - ZURN CCESSORIES	#Z-100-90-	C (ROOF) &	<u>WALKS)</u> #Z-100-W2 (OVE1 DERDECK CLAMF	RFLOW)			
	ETS IN PUBLIC RESTRO	OOMS SHALL BE THE SELF- BIBBS.	-CLOSING TYPE.		FL Do	LASHING - 4 OWNSPOUT NO	LB LEAD, 8 OZZLE - ZUF	" ALL AROUN XN #Z-199	ND DRAIN BODY				
DESIGN CRITE	RIA:			<u>P-16</u>	HE	EATER, ELEC EATER - ES50 TORAGE CAF ECOVERY - I	2-18 ACITY - 50	GALLONS	RIGE				
MEP COMPONENT AND ALL MECHANICAL,		RICAL COMPONENTS SHALI	L BE ANCHORED AND		EL	LECTRICAL - CCESSORIES CONNECTIC	3 KW ELEME : VICTAULIC NS TO HEA	ENTS @ 6KE I DIELECTRIC FER; P & TR\	EACH - 208 VOL V WATERWAYS @ V W/ FULL SIZE D HW & CW BALL T	HOT & COLD RAIN;			
INSTALLED PER T WHERE NO DETAIL OR BRACED TO M	HE DETAILS ON THE DS . IS INDICATED, THE FO IEET THE FORCE OF DI	SA APPROVED CONSTRUC OLLOWING COMPONENTS S ISPLACEMENT REQUIREME OUGH 1616A.1.26 AND ASCE	TION DOCUMENTS. HALL BE ANCHORED NTS PRESCRIBED IN	P-17		PERATING WE	EIGHT (FULL)		n & CN Dall I	TPL 5.0.4.5			
13, 26 \$ 30.	ENT EQUIPMENT AND CO		- FIO OHAFTER		C/ EL	UMP - GRUND APACITY - IC LEC - I/25 HF) GPM @15' ⁻ ? @ 120-1-60	ГDH >					
	RED) TO THE BUILDING	NT THAT IS PERMANENTLY UTILITY SERVICES SUCH /		<u>P-18</u>	HOSE BI	ONTROL - GF I <u>BB w/ VACU</u> IBB - ACORN	IM BREAKER						
HOURS AND HE 4 FEET OR MC	EAVIER THAN 400 POL DRE ABOVE THE ADJA	TIONED IN ONE PLACE FOR INDS OR HAS A CENTER C ICENT FLOOR OR ROOF LE WIRED TO BE ANCHORED	DF MASS LOCATED EVEL THAT DIRECTLY	<u>P-22</u>	FI	INISH - ROUG SSIONS SINK,	H CHROME	<u>IMENT</u>					
ATTACHMENTS	, CHANICAL AND ELECTRIC	CAL COMPONENTS SHALL BE	POSITIVELY ATTACHED		FA DI	AUCET - TWO ISPOSER - O	(2) CHICAGO NE(1) INSINKI	2 #445-L8 B RATOR #44	. COUNTERTOP BACKSPLASH MOL 14, 3/4 H.P., 120-1 CRUMB CUP TYPI	-60			
THESE COMPONEN THE COMPONENT A	TS SHALL HAVE FLEXI AND ASSOCIATED DUC	NT NEED NOT BE DETAILEI IBLE CONNECTIONS PROVI TWORK, PIPING AND CONE	DED BETWEEN DUIT.			ISC - COORE		<splash dr<="" td=""><td>RILLING REQUIREN</td><td></td><td></td><td></td><td></td></splash>	RILLING REQUIREN				
LOCATED 4 FE DIRECTLY SUP	EET OR LESS ABOVE 1 PORT THE COMPONENT		ROOF LEVEL THAT	<u>P-23</u>	SI	18 GA ST	SSP #EHS-I	4X SINGLE C EEL, 5" DEEF	OMPARTMENT				
SYSTEMS, LES		20 POUNDS, OR IN THE CA 2 FOOT, WHICH ARE SUSPE					ACTION HA	NDLES	OOSENECK W				
THE INSTALLATION PROFESSIONAL IN	N SHALL BE SUBJECT T GENERAL RESPONSIB	EQUIRE DETAILS ON THE A TO THE APPROVAL OF TH BLE CHARGE OR STRUCTUR DSA DISTRICT STRUCTUR	E DESIGN RAL ENGINEER	<u>P-24</u>	FC W	ATER BOTTLI	HAWS #1109 E FILLER - H	1; 18 GA FAE 1AWS #1920	BRICATED STAINL	P0.2			
PROJECT INSPECT	OR WILL VERIFY THAT	T ALL COMPONENTS AND I THE ABOVE REQUIREMEN	EQUIPMENT HAVE		Ma Ct Cr	OUNTING HEIG HILLER - HAN APACITY - 8	HT - AS SH IS #HCR8 GPH AT 50	OWN ON ARC DEGREES F	3/8" x I" ANCHOR CHITECTURAL DR = w/ 80 DEGREE	AWINGS			
PIPING, DUCTWORK	AND ELECTRICAL DIST	ON SYSTEM BRACING NOTE: RIBUTION SYSTEMS SHALL : PRESCRIBED IN ASCE 7-				LECTRICAL (0 LECTRICAL (1							
DEFINED IN ASCE 1616A.1.24, 1616A.1.2	7-10 SECTION 13.6.5.6, 25 AND 1616A.1.26.	TACHMENTS TO THE STRUCT	BC, SECTIONS										
DISTRIBUTION SYS BASED ON A PREA COPIES OF THE BR	STEM ARE AS NOTED B APPROVED INSTALLATI RACING SYSTEM INSTAL	BELOW. WHEN BRACING AN ION GUIDE (E.G., SMACNA C LLATION GUIDE OR MANUA	D ATTACHMENTS ARE DR OSHPD OPM), L SHALL BE										
BRACING OF THE I	DISTRIBUTION SYSTEMS	THE START OF AND DURING 5. THE STRUCTURAL ENGINE IRE TO SUPPORT THE HANG	ER OF RECORD SHALL										
MECHANICAL PIPIN DISTRIBUTION SYS		DUCTS (MD), PLUMBING PIPI	NG (PP), ELECTRICAL										
	PROJECT SPEC	AILED ON THE APPROVED CIFIC NOTES AND DETAILS											
	PRE-APPROVA	LL COMPLY WITH THE APP AL (OPM #) # <u>0043-13</u> LL COMPLY WITH THE SMA											
	RESTRAINT MA ANY ADDENDA NOT SPECIFICA	NUAL, OSHPD EDITION (200 A. FASTENERS AND OTHER ALLY IDENTIFIED IN THE SM	09), INCLUDING ATTACHMENTS 1ACNA SEISMIC										
	THE APPROVED NOTES AND DE	NUAL, OSHPD EDITION, ARI D DRAWINGS WITH PROJEC ETAILS. THE DETAILS SHAL BLE SEISMIC HAZARD LEVE	T SPECIFIC L ACCOUNT FOR										
	CONNECTION L	EVELFOR THE PROJE											
APPROPRIATE PL		USED FOR VENT PIPING											
USED FOR DRAINS (CARRYING ACID WAST	ORTABLE BUILDINGS ONLY TE LABORATORIES. IT SHA THIN A DISTANCE OF 5 FE	LL NOT BE										
		E CLASS MAY BE USED RYING GAS AND DRA											
. FLAME SPREAD F	RATING FOR WALL INS	Y BE USED WHERE PERMIT SULATION NOT TO EXCEED HEN TESTED IN ACCORDANC	25 AND SMOKE										
INSTALLATION OF COMPLY WITH SEC	501L OR DRAIN PIPING TION 317.0 2016 C.P.C.	- 5 IN FOOD HANDLING EST, DD HANDLING AREAS SHAL											
TIGHT TO THE FL - FLOOR DRAINS O PAGE PANS	LOOR CONSTRUCTION OVER FOOD HANDLING A	AREAS SHALL BE EQUIPPED	WITH INTEGRAL, SEE										
CLEANOUTS SHA - PIPING SUBJECT	LL EXTEND THROUGH	APPROVED MATERIAL LIS THE FLOOR ABOVE MPERATURES THAT WILL F										S	and
- WHERE PIPES AR SHALL BE OF TH IN ORDER TO FO	RE INSTALLED IN CEILING IE REMOVABLE TYPE, C ORM A READY ACCESS	G ABOVE FOOD HANDLING OR SHALL BE PROVIDED M S FOR INSPECTION OF PIF	IITH ACCESS PANELS PING								A		ectur
EQUIPMENT, SEE FC COORDINATE EXAC	OD SERVICE DRAWING	H KITCHEN EQUIPMENT CON										NDUSTRY W ENTRO, CA	IAY, SUITE A
COORDINATE AND V KITCHEN EQUIPMEN COORDINATE AND V	ERIFY EXACT LOCATION T CONTRACTOR, SEE F ERIFY EXACT LOCATION	N OF ALL FLOOR DRAINS AN FOOD SERVICE DRAWINGS N OF ALL FLOOR DRAINS AN	, ND FLOOR SINKS WITH								760 5	353 5440	
PROVIDE PRESS R REQUIREMENTS	EGULATING VALVE FO	FOOD SERVICE DRAWINGS OR DISHWASHER WATER CO R SINKS WITH KITCHEN EQUI	DNNECTION PER MEG								Project Titl		Y COLLEC
GRATES SHALL BE ALL DIRECT CONNECT USE PROTECTED AG	E REMOVABLE, SEE FOO T WATER CONNECTIONS T AINST BACKFLOW. CARB	OD SERVICE DRAWINGS O APPLIANCES SHALL BE INI BONATORS, FILLER HOSES, PR	DIVIDUALLY POINT-OF- 2E-RINSE FAUCETS, RO,									OM/CON	CESSION I
BE PROTECTED BY RE AND SIMILAR EQUIPME	EDUCED PRESSURE BACKF	RTOP EQUIPMENT WITH WATER FLOW PREVENTERS WITH MACH FLONS TO POTABLE WATER SH, VENTER	INES, COFFEE MAKERS,								Sheet Title		D NOT
PROVIDE WATTS 1/2 PROTECTION FOR I PLUMBING CONTRAC	" #009 REDUCED PRES WATER FILTERS WITH [GURE BACKFLOW PREVENTE DRAIN TO FLOOR SINK PROVIDE POINT OF USE FILT											Doc
PROVIDE ALL IND REFRIGERATED DR SEE PLUMBING NOTE	IRECT WASTE PIPING F RAINS IS ON KITCHEN EQUIPME	PER KITCHEN EQUIPMENT	DRAWING, INSULATE								- ICENSED	SANDERS	04
PROVIDE THERMOST. ROOM LAVATORIES THE KITCHEN EQUIPME	S & KITCHEN HAND SIN ENT CONTRACTOR SHALL) REDUCE 140 DEG WATER ⁻ NKS . PROVIDE AN AUTOMATIC SC	LENOID VALVE IN THE									7644	Date
GAS LINE TO THE KIT EXPOSED. IT SHALL E ALL DISH, PAN, AND M	CHEN EQUIPMENT UNDER BE INSTALLED BY THE PLI	THE KITCHEN HOOD WITH AN . UMBING CONTRACTOR AIN TO A 3" TRAPPED FLOOF	ACCESS PANEL IF NOT									-Z3 RENI	/
			4.0		1 =		10		10			CALIFORM	
13	14	15	16		17		18		19	20	21		22



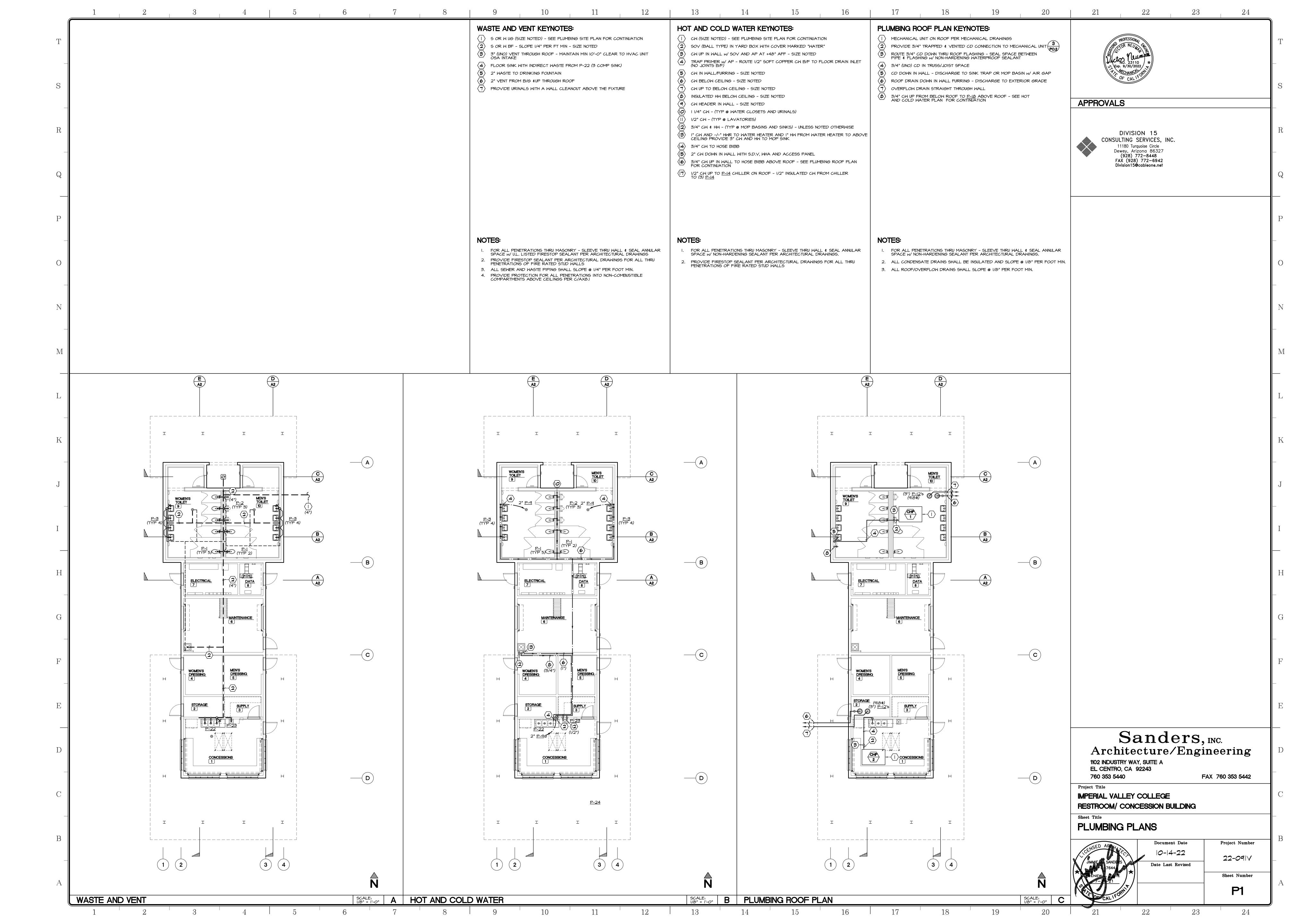


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MAY EXTEND AS A MASTE OR VENT LIN WALL PER PLAN PLUGGED TEST TEE	NE.	UNION VENT I" MIN ABOVE TOP OF CONDENSATE DRAIN PAN TO DISPOSAL POINT UNW UNW UNW UNW UNW UNW UNW UNW UNW UNW	THERMOMETER P & TRV EXTERIOR WALL P& TRV DISCH. CLAMP TO WALL * ROUTE TO MOP SINK /	ANCHOR HILTI KW HEX WAS TO UNION (T BS MAX ATING HILTI KW HEX WAS PER ESR "QUICKS" (STRAP WITHIN T AND LOW WITHIN T AND LOW WITHIN T AND LOW WITHIN T AND LOW WITHIN T AND LOW WITHIN T AND LOW WITHIN T AND LOW SASIN & TURN DOWN (W/ AIR GA	PL #ST-5) DON TANK $H \notin CW - SEE$ PLAN FOR SIZE 	SLOPE @	POC TO ALL FOOD EQUIPMENT/SINKS PER SCHEDULE		APPROVALS DIVIS CONSULTING 1180 Tu Dewey, A (928) FAX (92) Division15	0041/ 110 2022 110 110 110 110 110 11	
<u>NTS</u> 2		NTS 3		TITING DIAGHAM	NTS 5	INDIRECT DRA		NTS 8			
									NOTES:		
									PIPING SHEETS AI3.0, A	VAL OPM-0043-13 APPLICABL 14.0 HMENT 3.11, M3.13, M.3.14, M3.15, M5.10, M	
										3.11, M3.13, M.3.14, M3.15, M5.10, M IMENT 15.4, AI <i>B.</i> 0, AI <i>B</i> .1, AI9.0, C2.10, N 2.9	
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STING SEWER SYSTEM, (POMESTIC WATER SERVI L PER CITY OF IMPERIA	CE - PROV			P
-OOR PLANS FOR CONT NER LINE - 100'-0" OC 1 E PLUMBING FLOOR PLA E PLUMBING FLOOR PLA	MAX SPAC	ONTINUATI <i>O</i> N		0
: Plumbing floor pla : To loop area NTER INSIDE BUILDING F				N
				M
PIPING IN COMMON TREN		4	-	L
DX WITH IDENTIFICATION DE J.R. SMITH #4810 BR TE CONCRETE PER ING FOUNDATIONS TYPIC E 24" MINIMUM COVER. LL U/G PIPING NEAR ME CHANICAL PIPING - SEE	CAL PER	ESS HOUSING	P02	K
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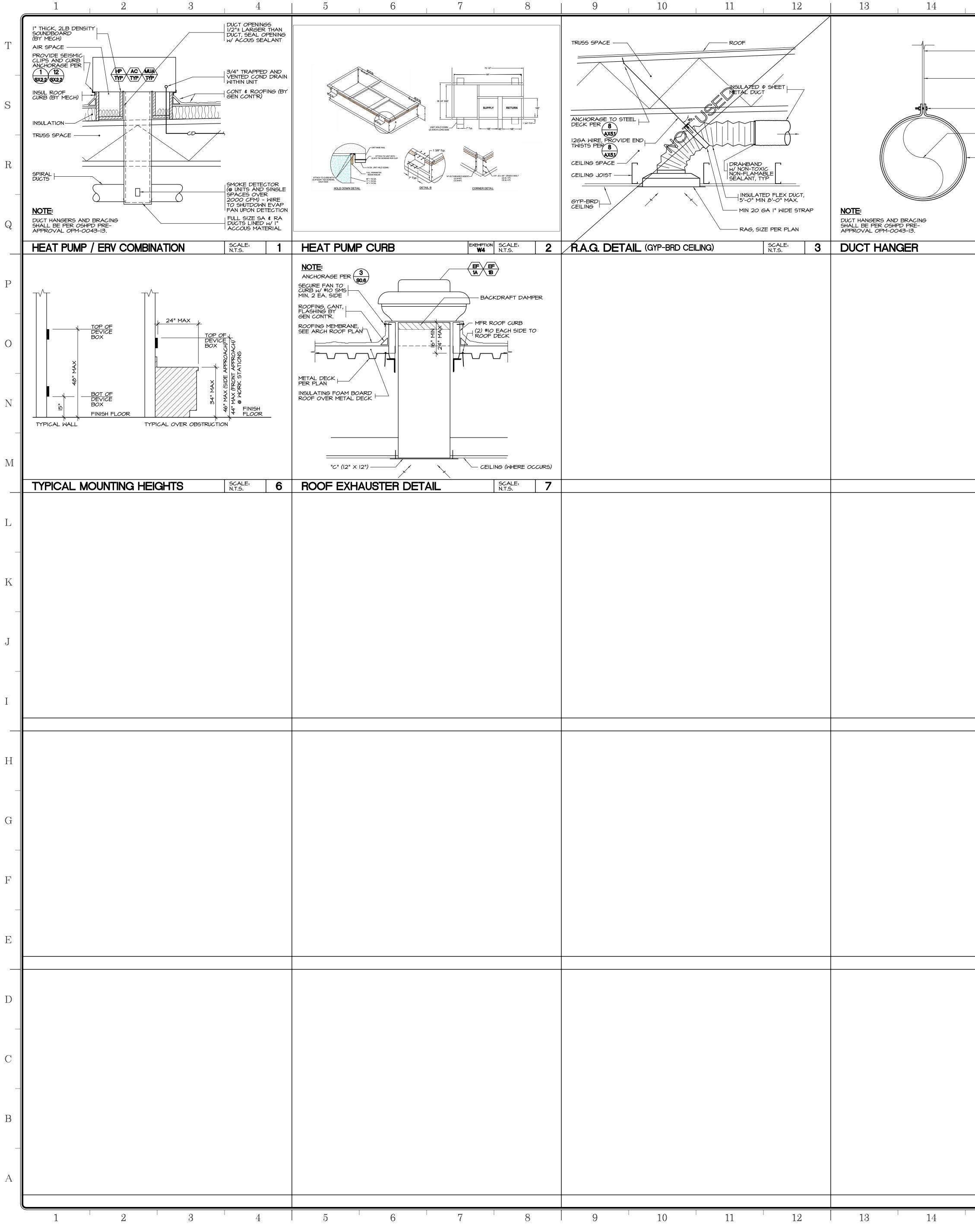
Т	EXH	AUST	FAN											PAC	XAGE ROOF	=то	PF	ΙP					
_	MARK	LOCATION	SERVES	FAN MOTOR HP	FAN MOTOR WATTS	CFM	EXT SP (IN WG)	SONES	ELECTRICAL V/PH/HZ	oper Weight (LBS)	MANUFACTURER / MODEL NO	NOTES		MARK	MANUFACTURER / MODEL NO	NOM TONS	CFM	EXTERNAL S (IN W G)	MIN CKT	ILECTRICAL	EVAP FAN BHP	COOL (MB	
S		ROOF	WOMEN'S TOILET	r I/4	N/A	350	0.125 900	3.8	120-1-60	58	GREENHECK GB-081-4	1-3			YORK #XNO48COO	4	1,600	1.5	11.3	15 460/3/6	60 1.12		37.7 14.0
_		CEILING	MEN'S TOILET				0.125 900 0.125 N/A	3.8 2.4	120-1-60	58 24	GREENHECK GB-081-4	I-3 4			YORK # PHE4A2424 YORK # XN036600	2 3	800 1,200	0.5	9.6	25 2 <i>08/1/6</i> 15 460/3/6	60 0.5		18.0 14.0 26.9 14.0
R	2/													3/									
_		UST FAN N	OTES: AFT DAMPER (BD); BIRD 50	CREEN: D	DISC SMI	TCH MOUNTED.	· · ·															
Q	2. PF 3. CC	ROVIDE MANUFAC ONTROL FOR CON	TURER'S SOUND AE TINUOUS OPERATIC	350RBING RA ON WHEN HP-	00F CUR I SUPPLY	₹ В .		ÉLEC CON	TRACTOR).					I. PR	AGE ROOFTOP HP	AMP (NO	SUBSTIT	UTIONS).					
	4. 00	UNIROL MITH WAL	L SWITCH (BY ELEC	C CONTRAC	10k).									3. 2" 4. DR	20VIDE UNIT WAN R-G-Y-W-C. E MERV & T.A. FILTERS. RY-BULB ECONOMIZER								
р														5. PR 6. LO 7. NO	OVIDE PRO-VENT SEISMIC 14" H W AMBIENT OPERATION. IT USED	116H R00	F CURB	(LEVEL). (SX2)					
Т															5H STATIC OPTION BELT DRIVE. E PLANS FOR ALL OSA CFM.								
0															-SPLIT AC S	TA							
_														UNIT NO.		_ectrical .ts/ph m			MANU	IFACTURER + ODEL NO.	NOTES	S	
Ν																	26.0/30		SAMSU	- NG #ARI8B5FC	5		
_															2)								
М														2. WA	ALL MOUNTED. (HIGH) ALL MOUNTED T-STAT ONDENSATE PUP ACCESSORY. (F		ED)						
_														4. PO 5. MC	WERED FROM OUTDOOR UNIT. DUNT ON OUTDOOR ROOF PLATF			NEOPRENE W	AFFLE PAD	95 W NEOPRENE 1	BUSHINGS.		
L														6.2-	- REQUIRED								
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						ELECTR	CAL	EVAP	COC	DLING BH)		HEAT
MARK	MANUFACTURER / MODEL NO	NOM TONS	CFM	EXTERNAL S P (IN W G)	MIN CKT AMPS	MOCP	V/PH/HZ	FAN BHP	TOT	SENS	SEER	CAP (MPH)
	YORK #XNO48COO	4	1,600	1.5	11.3	15	460/3/60	1.12	40.0	37.7	14.0	44
	YORK # PHE4A2424	2	800	0.5	18.6	25	208/1/60	0.5	23.8	18.0	14.0	24.6
	YORK # XN036600	3	1,200	1.2	9.6	15	460/3/60	1.0	31.8	26.9	14.0	36

			FAN	I DATA		OPER		
UNIT		E.S.P	отны	ELECTRIC	CAL DATA	WEIGHT	MANUFACTURER + MODEL NO.	NOTES
NO.	CFM	E.S.P (IN. WIG.)	BTUH	VOLTS/PH	MCA/MOCP	(LBS)		
(OUTDOOR)	-	-	36,000	208/1	26.0/30	170	-	5
	583	0.1"	18,000	208/1	0.12 FLA	25.4	SAMSUNG #ARI8B5FC	1-4, 6

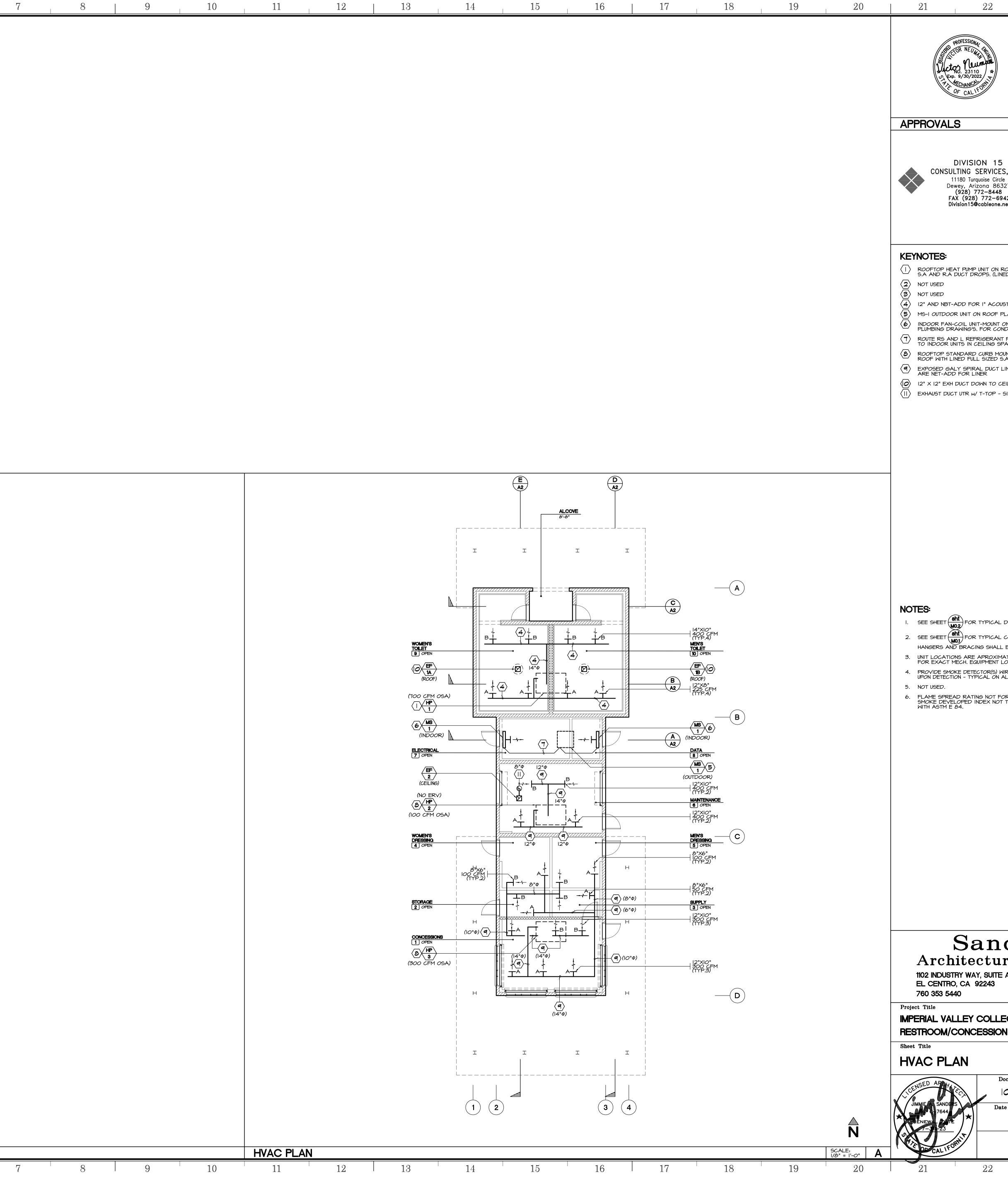
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											HVAC LEG	END			
				[1	1	1			,	ABBR.	SYMBOL	ABOVE CEILING	_	
PH/HZ	EVAP FAN BHP	(ME	BH)	SEER	HEAT CAP (MPH)	COP OR (HSPF)	OPER WEIGHT (LBS)	CURB WEIGHT (LBS)	NOTES		U.T.R.		UP THROUGH ROOF	_	
0/3/60	1.12	TOT 40.0	SENS 37.7	14.0	44	3.2	626	۲ <u>ــــــــــــــــــــــــــــــــــــ</u>	1-9	-	S.A. R.A.		SUPPLY DUCT. SECTION RETURN DUCT. SECTION	_	
											E.A.		EXHAUST DUCT. SECTION	_	
8/1/60	0.5	23.8	18.0	14.0	24.6	8.0	330	65	1-3, 5-7, 9		5.A./R.A.	~~~	FLEXIBLE DUCT SINGLE LINE DUCT WORK	_	APPRC
0/3/60	1.0	31.8	26.9	14.0	36	3.35	620	91	I-9		M.V.D.		MANUAL VOLUME DAMPER	_	
											C.D. R.A.G.		CEILING DIFFUSER - SUPPLY	_	
											E.G. E.R.		EXHAUST REGISTER - CEILING	-	
											F.C.		FLEX CONNECTION	_	
											D.L. U.C.		DOOR LOUVER UNDER-CUT DOOR	_	
											STAT	1	THERMOSTAT - SEE II/MO.3	_	
											C.D. SENSOR	C.D 	CONDENSATE DRAIN (BY PLUMBING) ROOM TEMPERATURE SENSOR	_	AIR DK
											F.S.D.	FSD	FIRE/ SMOKE DAMPER	_	ALL ITEM PRICE, A
											M.O.D. HWWS/R	<u>ه</u> ۲	HEATING HOT WATER SUPPLY/RETURN	_	<u>MARK</u> A
											CHWS/R	5	CHILLED WATER SUPPLY/RETURN	_	В
											U.O.N.		UNLESS OTHERWISE NOTED FIRE RATED WALL - SEE ARCH	_	C
											DESIGN CR	ITERIA:			EQUIPI
	NOTES	8											RICAL COMPONENTS SHALL BE ANCHOI		<u>NOTES</u> :
	5									ا ل	NSTALLED PE MHERE NO DE	R THE DETAILS ON THE D TAIL IS INDICATED, THE F	OLLOWING COMPONENTS SHALL BE ANOID OLLOWING COMPONENTS SHALL BE AN DISPLACEMENT REQUIREMENTS PRESCR	IENTS. CHORED	
=c	1-4, 6	_									3,26 \$ 30.	, SECTIONS 1616A.I.18 THR	OUGH 1616A.I.26 AND ASCE 7-10 CHAP	TER	
											B. TEMPORA (E.G. HARI	RY OR MOVABLE EQUIPME WIRED) TO THE BUILDING	ENT THAT IS PERMANENTLY ATTACHED 9 UTILITY SERVICES SUCH AS ELECTRIC		
											HOURS AN	EQUIPMENT WHICH IS STA D HEAVIER THAN 400 PO	TIONED IN ONE PLACE FOR MORE THA UNDS OR HAS A CENTER OF MASS LOC	CATED	
												THE COMPONENT ARE REG	ACENT FLOOR OR ROOF LEVEL THAT D QUIRED TO BE ANCHORED WITH TEMPO		
ENE BUS	HINGS									-	TO THE STRUC THESE COMPO	TURE, BUT THE ATTACHME INENTS SHALL HAVE FLEX	CAL COMPONENTS SHALL BE POSITIVELY INT NEED NOT BE DETAILED ON THE PL IBLE CONNECTIONS PROVIDED BETWEE	.ANS.	
											A. COMPONE	NTS WEIGHING LESS THAN	CTWORK, PIPING AND CONDUIT. 400 POUNDS AND HAVE A CENTER OI THE ADJACENT FLOOR OR ROOF LEVI		
										:	B. COMPONE		IT. 20 POUNDS, OR IN THE CASE OF DIST R FOOT, WHICH ARE SUSPENDED FROM		
											OR FLOOR FOR THOSE E	R OR HUNG FROM A WALL. LEMENTS THAT DO NOT RI	EQUIRE DETAILS ON THE APPROVED D		
										f I	PROFESSIONA DELEGATED	L IN GENERAL RESPONSIE RESPONSIBILITY AND THE	TO THE APPROVAL OF THE DESIGN BLE CHARGE OR STRUCTURAL ENGINEE DSA DISTRICT STRUCTURAL ENGINEER T ALL COMPONENTS AND EQUIPMENT H	2. THE	
										I. 1 2. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PIPING, DUCTW AITH THE FOR DEFINED IN A 616A.I.24, 1610 THE METHOD OF DISTRIBUTION BASED ON A 1 COPIES OF TH AVAILABLE O BRACING OF VERIFY THE A OADS. MECHANICAL 1 DISTRIBUTION MP MD P MP MD P MD P MP MD P MD P P MD P P MD P P MD P P MD P P MD P P MD P P P MD P P P P P P P P P P P P P P P P P P P	CES AND DISPLACEMENTS SCE 7-10 SECTION 13.6.5.6 5A.1.25 AND 1616A.1.26. SHOWING BRACING AND AT SYSTEM ARE AS NOTED F PREAPPROVED INSTALLAT E BRACING SYSTEM INSTA N THE JOBSITE PRIOR TO THE DISTRIBUTION SYSTEMS DEQUACY OF THE STRUCTO PIPING (MP), MECHANICAL IN SYSTEM (E): PIE - OPTION 1: DET PROJECT SPEC PIE - OPTION 2: SHA PRE-APPROVE NOT SPECIFIC, RESTRAINT MA ANY ADDENDA NOT SPECIFIC, RESTRAINT MA THE APPROVE NOTES AND DI THE APPLICAE CONNECTION L ISERVATION NOTES: AND DUCTWORK SHALL BE IN ECTIONS 118, 123, 124 E.E.S SYSTEMS SHALL MEET THE E.S.	TRIBUTION SYSTEMS SHALL BRACED TO 5 PRESCRIBED IN ASCE 7-10 SECTION 3, 13.6.7, 13.6.8 AND 2016 CBC, SECTION TACHMENTS TO THE STRUCTURE FOR THE II BELOW. WHEN BRACING AND ATTACHMIN 10N GUIDE (E.G., SMACNA OR OSHPD ON ALLATION GUIDE OR MANUAL SHALL BE THE START OF AND DURING THE HANGIN 5. THE STRUCTURAL ENGINEER OF RECC JRE TO SUPPORT THE HANGER AND BR. DUCTS (MD), PLUMBING PIPING (PP), ELE AILED ON THE APPROVED DRAWINGS M CIFIC NOTES AND DETAILS. ALL COMPLY WITH THE APPLICABLE OS AL (OPM #) # <u>OPM-0043-13</u> ALL COMPLY WITH THE SMACNA SEISMIC ANUAL, OSHPD EDITION (2009), INCLUDIN A. FASTENERS AND OTHER ATTACHMENT ALLY IDENTIFIED IN THE SMACNA SEISMIC ANUAL, OSHPD EDITION, ARE DETAILED DDRAWINGS WITH PROJECT SPECIFIC ETAILS. THE DETAILS SHALL ACCOUNT S BLE SEISMIC HAZARD LEVEL AND LEVELFOR THE PROJECT AND COLONNAL INSULATED CONSISTENT WITH THE REQUIREMENTS OF AND TABLE 6-4 OF THE C.M.C. E CONTROL REQUIREMENTS PER SECTION CES SHALL MEET THE REQUIREMENTS OF	13.3 AS S DENTIFIED ENTS ARE PM), NG AND SHALL ACE CTRICAL WITH HPD S NG TS IC ON FOR NDITIONS. E-	
										l. 2. 3.	THESE DRA ACCOMPLIS OFFSETS OF INSTALL MA AVOID OB EQUIPMENT LOCATIONS CONDITIONS THE MECHA TRADES PR	HED AND AS SUCH ARE I PIPING AND DUCT WORK. TERIAL AND EQUIPMENT S STRUCTIONS AND MAINT INDICATED ON THESE D <u>THE MECHANICAL CON</u> AND EQUIPMENT LOCATION NICAL CONTRACTOR SHA OR TO INSTALLATION.	ATIC REPRESENTATION OF WORK TO E NOT INTENDED TO SHOW ALL REQUIRE THE MECHANICAL CONTRACTOR SHA SO AS TO CONFORM TO THE STRUCTUR AIN HEADROOM AND PASSAGEWAY PRAWINGS IS SHOWN IN APPROXIMAT NTRACTOR SHALL FIELD VERIFY ALL <u>NS.</u> LL COORDINATE HIS WORK WITH OTHE IN ACCORDANCE WITH ALL APPLICABL	₽IJ₩ġ. ₩ "I R	
										5. 6.	CODES INCL ELECTRICAL VOLTAGE CC (EXCEPT RO EQUIPMENT GENERAL C BRACING O MECHANICAL C DUCT PENET	UDING TITLE 24 CCR CONTRACTOR SHALL FUNDUIT, LINE VOLTAGE WIRIN OF EXHAUST FANS AS NO CLOW VOLTAGE WIRIN ONTRACTOR SHALL PRO STRUCTURE, ROOF OPEN ONTRACTOR TO FURNISH AND RATIONS OF FIRE RATED NISTALLATION PROCEDUR	IN ACCORDANCE WITH ALL APPLICADE IRNISH AND INSTALL ALL LINE AND LC NG, OVERLOAD PROTECTION, DISCONNECT TED), STARTERS, FINAL CONNECTIONS NG BY MECHANICAL CONTRACTO VIDE ALL CUTTING, PATCHING, FURRIN NINGS WITH CANTS, FLASHING, ROOFIN NINGS WITH CANTS, FLASHING, ROOFIN O INSTALL FIRE AND SMOKE DAMPERS AT A SURFACES. FIRE DAMPERS INCLUDIN ES SHALL BE APPROVED BY D.S.A. PRIC	жыск. Ф. С. ЦФ	A 1 1102 EL C 760 (Project Titl
											SEISMIC RES SEISM FOR N PUBLIS AIR FILTERS S FILTERS HAVIN	GTRAINT MANUAL: IC RESTRAINT MANUAL GU IECHANICAL SYSTEMS LA GHED BY SMACNA: OSHPD HALL BE A STATE FIRE MARSH NG A COMBUSTIBLE FRAMING S	TEST EDITION P #ROOIO HALL APPROVED & LISTED TYPE. PRE FORM SHALL BE TESTED AS A COMPLETE ASSEMBL	ED _Y.	IMPERIA RESTRO Sheet Title
											AIR FILTERS THE STATE F CLEANING C	N ALL OCCUPANCIES SH RE MARSHALL LISTING). , R REPLACEMENT.	ALL BE CLASS 2 OR BETTER (AS SHOI AIR FILTERS SHALL BE ACCESSIBLE FO	√N XR	HVAC
													ALL DUCT MATERIALS SHALL BE 25/50 MA TRESTOP DETAILS SEE SHEET	7	JIMMIE

PROFESSIONAL STAN COR NEUMAR SUCTOR NEUMAR No. 23110 *	T
APPROVALS	S
DIVISION 15 CONSULTING SERVICES, INC. 11180 Turquoise Circle Dewey, Arizona 86327 (928) 772-8448	R
(928) 772-8448 FAX (928) 772-6942 Division15@cableone.net	Q
AIR DISTRIBUTION SCHEDULE: ALL ITEMS SHALL BE TITUS MODEL #'S UNLESS OTHERWISE NOTED OR EQUIVALENT BY PRICE, ALL METAL CONSTRUCTION WITH STANDARD FINISH. MARK DESCRIPTION A #355RL, STEEL, SIDEWALL, DOUBLE DEFLECTION, S.A. GRILLE WITH O.B.D. B #350RL, 35° DEFLECTION, STEEL RETURN GRILLE WITH O.B.D.	P _
C #350RL, 35° DEFLECTION, STEEL CEILING EXHAUST GRILLE EOUIPMENT SCHEDULE NOTES: NOTES: I. BOTTOM OF ALL EQUIPMENT ROOF CURBS SHALL MATCH SLOPE OF ROOF, TYP.	0
 "UV-C" GERMICIDAL LAMPS SHALL BE FACTORY INSTALLED AND WIRED. LAMPS SHALL BE "STERIL-AIRE" (NO SUBSTITUTIONS). ALL HVAC UNITS AND SINGLE SPACES OVER 2,000 CFM SHALL BE PROVIDED WITH DUCT SMOKE DETECTORS. SEE FIRE ALARM DRAWINGS. 	_ N
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Sanders, INC.	E
Architecture/Engineering 1102 INDUSTRY WAY, SUITE A EL CENTRO, CA 92243 760 353 5440 FAX 760 353 5442	D _
MPERIAL VALLEY COLLEGE RESTROOM/CONCESSION BUILDING Sheet Title HVAC GENERAL NOTES, SCHEDULES	C _
Document Date Project Number JIMMIE A SANDERS IO-I4-22 JIMMIE A SANDERS Date Last Revised Date Last Revised Sheet Number	B
CALIFORNIT MO.1	A
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FOR ANCHORAGE TO STEEL ROOF DECK PER OSHPD PRE-APPROVAL OPM-0043-13. I" x 20 GA. STRAP @ 12'-0" MA FOR RIGID DUCT, 5'-0" O.C. MA FOR FLEX DUCT.	X X MANUAL VOLUME DAMPER (M.V.D.)	BRANCH	PROFESSIONAL PROFESSIONAL TOR NEUMAN NO. 23110 ST. Exp. 9/30/2022 T. MCHANICAL ON T	Т —
	+ BRANCH / + MAIN REC	T. BRANCH / RECT MAIN	OF CALLFORM	S
 ——DUCT ——BAND OF SAME SIZE AS HANGER STRAP	¢ MAIN ROUND BRANCH DUCT, FLEX OR GALV. 45° MANUAL VOLUME DAMPER (M.V.D.) REDUCER	ROUND BRANCH DUCT, FLEX OR GALV. "SPIN-IN" FITTING MANUAL VOLUME DAMPER (M.V.D.)	DIVISION 15 CONSULTING SERVICES, INC. 11180 Turquoise Circle	R
		BRANCH / RECT. MAIN	Dewey, Arizona 86327 (928) 772-8448 FAX (928) 772-6942 Division15@cableone.net	_
SCALE:	NOTE: PROVIDE ACCESS PANELS IN CEILING @ DAMPERS WHERE REQUIRED FOR BALANCING TYPICAL DUIOT DETAILO	SCALE.		Q
SCALE: N.T.S. 4	TYPICAL DUCT DETAILS	SCALE: N.T.S. 5		P O
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			NOTES: I. OSHPD PRE-APPROVAL OPM-0043-13 APPLICABLE DETA DUCTWORK SHEETS A4.0, A5.0 HANGER ATTACHMENT SHEETS M3.10, M3.11, M3.13, M.3.14, M3.15, M5.10, M7.10, M7 SEISMIC ATTACHMENT SHEETS N3.11, N3.12, N3.15, N5.10, N6.11, P1.10, X1.0 - X9.0.9	Т.II, MIO.I2
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ROOF WITH FULL SIZE		P
DUSTIC LINER PLATFORM. I ON WALL ABOVE DOO DNDENSATE DRAWS. NT PIPING FROM OUTDOO SPACE. IOUNTED HEAT PUMP UNIT S.A. AND R.A. DUCK DR	OR UNIT T ON	0
- SIZE NOTED	ES NOTED	N
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L DUCT DETAILS. L COMPONENT ANCHORA	AGE AND BRACING NOTES,	J
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DT TO EXCEED 450 WHE	N TESTED IN ACCORDANCE	H
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Т				Project Name: Project Address:	IVC Restroom/Conc	essions Building ege Campus Imperial 922	251			RCC-PRF-01-E	Page 1		01, 2022	
_				A. GENERAL INFORMA	Restroom-Concessi	ons Title-24.cibd19x	251			andards Version			mpliance2019	
S				 2 CA Zip Code 3 Climate Zone 4 Total Conditioned F 	loor Area in Scope	92251 15 1,694 ft ²			9 Co 10 W 11 Bu	ompliance Softw eather File uilding Orientatio	are (version) on (deg)	Ene IMI (N)	ergyPro 8.3 PERIAL_747185_CZ 45 deg	
				 5 Total Unconditione 6 Total # of Stories (H 7 Total # of dwelling of the store is a store in the store in the store is a store in the store in the store is a store in the store in the store is a store in the store in the	abitable Above Gra	0 ft ² de) 1 0				ermitted Scope c uilding Type(s) as Type	f Work	No	wEnvelopeAndMec nresidential turalGas	:ha
R				B. PROJECT SUMMARY Table Instructions: Table E permit application.	shows which buildi	ng components are inclui			culation. If	indicated as not	·		ist show compliance	
_				Envelope (see Table G)		Performance Not Included Kitchens Performance	l Process: Co s	ommercial		Not Included	compliance an the scope of th on the NRCC-P	d should i ne permit RF-E).	omponents are ON be documented on application (i.e. cor ditioned)§140.6	th
Q				Mechanical (see Table H) Domestic Hot Water (see	Table I)	Not Included Covered		omputer Rooms aboratory Exhau		Not Included	Outdoor Lighting §	ng §140.7		ur
				Lighting (Indoor Conditio Table K)		Performance					escalator requ	irements able (i.e. c	s, commissioning, s are mandatory and compliance will not ution S110.11	d si
Р				Solar Thermal Water Heat Table I)		Performance Not Included					Commissionin Solar Ready S1	-		
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U				Project Address: Input File Name:	Restroom-Concessio	ge Campus Imperial 922 ons Title-24.cibd19x				CC-PRF-01-E culation Date/Tir	Page 4 of ne: 10:43, W	13 ed, Jun 01	1, 2022	
				G1. ENVELOPE GENERA 1 Opaque Surfaces		Total Gross S	2	a (ft²) 1,368 ft²		3 Total Fenestratic	on Area (ft²)	35 ft ²	Window to	.o \
N					East-Facin South-Facin West-Facin Tot	g ³ g ⁴		900 ft ² 316 ft ² 94 ft ² 2,678 ft²				35 ft ² 70 ft ² 0 ft ²		
				Roof Notes: ¹ North-Facing is oriented ² East-Facing is oriented	ed to within 45 deg	rees of true north, incl		1,694 ft ² 00'00" east of 1			45°00'00" we	12 ft ²		
Μ				³ South-Facing is oriented ⁴ West-Facing is oriented G3. OPAQUE SURFACE	ed to within 45 deg d to within 45 deg	rees of true south, incl rees of true west, inclu	luding 45°0	00'00" west of	south (SW	/), but excludin	g 45°00'00" e	ast of sou	uth (SE).	
				1 Surface Na		2 Surface Type	3 Area (ft ²)	4 Framing Type	5 Cavity R-Value	6 Continuous R-Value	7 Units	8 Value	Description of	
L				8 CMU Wa		ExteriorWall	2678	NA	0	NA		0.379	Concrete - Part G 125 lb/ Asphalt shi Vapor permea Plywoo Air - Cavity - Wall	/ft ing ab
_				R-38 Roof At	tic13	Roof	1694	Wood	38	NA	U-Factor	0.033	or Wood framed ro	m oof R-3 Boa
Κ				Slab On Grad		UndergroundFloor	1694	NA	0	NA	F-Factor	0.73	Insulation Orio Insulation	ien
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J				Project Name: Project Address: Input File Name:	Restroom-Concess	cessions Building lege Campus Imperial 922 ions Title-24.cibd19x	251			CC-PRF-01-E culation Date/Ti	Page 7 o me: 10:43, W	f 13 /ed, Jun 0	1, 2022	
_				H3. EXHAUST FAN SUI		2 Zone Name		Qty C	4 FM	5 Motor BHP	6 Power Per Flo (W/cfm)	w Tota	7 al Static Pressure (ir	 n.
Ι				Zone 3 Maintenand Zone 4 Concessions/D ¹ Status: N - New, A – Altered, E H4. Wet System Equip	ressi42 4 - Existing	3-Zone 3 Maintenance Zone 4 Concessions/Dres			60	0.060	0.079		0.37	
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_				System Nan Zone 4 Concession IVC Restroom/Concess Notes: This table includes contro	ns/Dressi sions1 - SHW	Equipment Type SZHP Service Hot Water, Prima	ry Only	1	0.4(n) No NA			Fixed Te	NA NA emperature Control	
G				H7. NONRESIDENTIAL			2		3 anical Vent	4	5		6	
_				Zone Nar 1-Zone 1 Rest 2-Zone 2 D	rooms	Exhaust - To	on Function oilets, public		# of people 3.10	Supply OA CFM 0 25	Exhaust CFM 660 660	Condi	(sf) 620 166	
F				3-Zone 3 Main 4-Zone 4 Concess	tenance	Exhaust - Aut Food Service - K	o repair roo		1.45 1.54	0	660 660		290 618	
_]	CA Building Energy Efficie	ncy Standards- 2019	Nonresidential Complian	nce	Report Versio	n: NRCC-PF	RF-01-E-1209202	1-6844		Report Generated a	эt:
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				L. DECLARATION OF RE Table Instructions: Sele compliance. These doc https://www.energy.cc	ctions shall be ma uments bust be re	de by Documentation A cained and provided to	Author to ii the buildir	ng inspector du	iring const	truction and ca	n be found on		r the features to l	be
D				Building Component Envelope Mechanical Plumbing	NRCI-MCH-01-E - M	ist be submitted for all bu ust be submitted for all b st be submitted for all bu	ouildings		For	m/Title				
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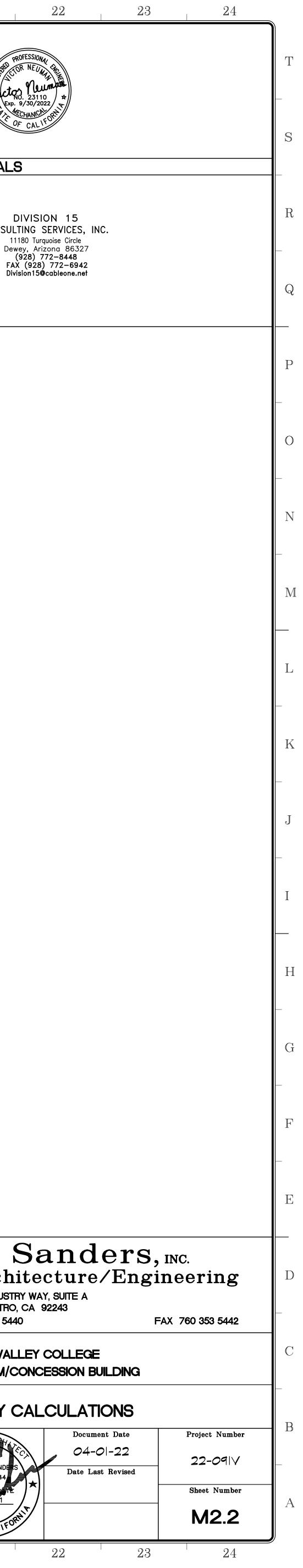
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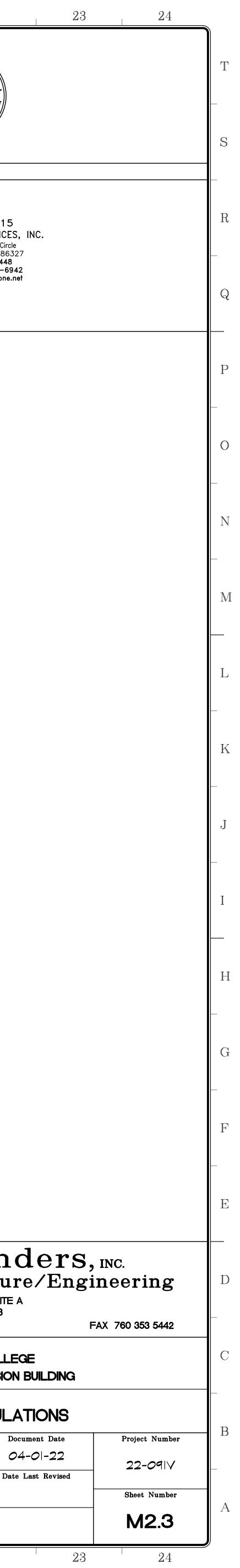
Project Name: IVC Restroom/Concessions Building NRCC-PRF-01-E Page 2 of 13 Project Address: Imperial Valley College Campus Imperial 92251 Calculation Date/Time: 10:43, Wed, Jun 01, 2022	Project Name: IVC Restroom/Concessions Building NRCC-PRF-01-E Page 3 of 13 Project Address: Imperial Valley College Campus Imperial 92251 Calculation Date/Time: 10:43, Wed, Jun 01, 2022	Stell CTOR NEUMAR
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¹ Notes: The number in parenthesis following the Compliance Margin in column 4. represents the Percent Better than Standard. C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS ¹	Process 11.4 11.4 0.0 Other Ltg Process Motors	DIVISION 15 CONSULTING SERVICES, INC. 11180 Turquoise Circle Dewey Arizong 86327
Image: This project is pursuing CalGreen Tier 1 Image: This project is pursuing CalGreen Tier 2 Miscellaneous Energy Component Standard Design (TDV) Proposed Design (TDV) Compliance Margin (TDV) ¹ Receptacle 406.29 406.29	TOTAL 89.6 91.6 -2.0 41.1 1.0 40.1 D. EXCEPTIONAL CONDITIONS	Dewey, Arizona 86327 (928) 772-8448 FAX (928) 772-6942 Division15@cableone.net
Process 187.18 187.18 Other Ltg Process Motors	This project includes partial performance compliance scope options. The building must show compliance with all other applicable compliance scope options (performance or prescriptively) before occupying. This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is	
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS1,640.141,575.7764.4 (3.9%) ¹ Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.55	required. E. HERS VERIFICATION This Section Does Not Apply	
CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-06-01 07:44:31	CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-06-01 07:44:31	
Project Name: IVC Restroom/Concessions Building NRCC-PRF-01-E Page 5 of 13 Project Address: Imperial Valley College Campus Imperial 92251 Calculation Date/Time: 10:43, Wed, Jun 01, 2022	Project Name: IVC Restroom/Concessions Building NRCC-PRF-01-E Page 6 of 13 Project Address: Imperial Valley College Campus Imperial 92251 Calculation Date/Time: 10:43, Wed, Jun 01, 2022 Input File Name: Restroom-Concessions Title-24.cibd19x Low Date/Time: 10:43, Wed, Jun 01, 2022	
nput File Name: Restroom-Concessions Title-24.cibd19x G4. OPAQUE DOOR SUMMARY 1 2 3	Historia Metrovia Concessions net Excessions net Excessind net Excessions net Excessions net Excessions net Ex	
Assembly NameOverall U-factorStatus1Hollow Metal Door110.700NRoll Up Metal Door381.000N	Equipment Name Equipment Type Qty Image: Constant of the state of	
1 2 3 4 5 6 7 8 9	Zone 2 DataSZHP (CRAC)2210HSPF11.0018SEER/EER13.00/11.50NoEconomizerNZone 3 MaintenanceSZHP (Packaged3Phase)1250HSPF8.0025SEER/EER14.00/11.60NoEconomizerNZone 4	
Fenestration Assembly Name / Tag or I.D. Fenestration Type / Product Type / Frame Type Certification Method ¹ Assembly Method Area ft ² Overall U-factor Overall SHGC Overall VT Overall SHGC Overall VT Overall SHGC Overall VT N Solatube Skylight Fixed/Window Default Performance Manufactured 12 0.84 0.67 1.00 N	Zone 4 SZHP (Packaged3Phase) 1 36 0 HSPF 8.00 32 SEER/EER 14.00/11.80 NoEconomizer N ¹ Status: N - New, A - Altered, E - Existing - </td <td></td>	
NonMetalFraming Image: Constraint of the straint of	1 2 3 4 5 6 7 8 9 10 11 12 13 14 Name or Item Tag Qty Design OA Supply Fan Sup	
Single Metal VerticalFenestration Default Performance Manufactured 35 1.28 0.80 0.67 N Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.	Zone 1 Restrooms 1 0 1600 BrakeHorsePower 0.750 bhp ConstantVolume NA	
renfrication. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis. Natus: N - New, A – Altered, E – Existing	Zone 3 Maintenance10800BrakeHorsePower0.750bhpConstantVolumeNANANANANANAZone 4 Concessions/Dress1931200BrakeHorsePower0.750bhpConstantVolumeNANANANANANA	
1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.) 1 2 3 4 5 6 7 8 9 10 11 12 Heating	¹ Status: N - New, A - Altered, E - Existing H3. EXHAUST FAN SUMMARY 1 2 3 4 5 6 7 8	
Equipment Name Equipment Type Qty Total Heating Output (kBtu/h) Supp Heat Output (kBtu/h) Efficiency Unit Fficiency Efficiency Total Cooling Output (kBtu/h) Efficiency Efficiency Efficiency Unit Efficiency Unit Economizer Type (if present) § § Zone 1 Bestrooms SZHP (Packaged3Phase) 1 45 0 HSPE 8.00 40 SEER/EER 14.00/11.80 NoEconomizer N	1 2 3 4 5 6 7 8 System ID Zone Name Qty CFM Motor BHP Power Per Flow (W/cfm) Total Static Pressure (in. H ₂ O) Sf Zone 1 Restrooms3 1-Zone 1 Restrooms 1 660 0.060 0.079 0.37 N	
Zone 1 Restrooms SZHP (Packaged3Phase) 1 45 0 HSPF 8.00 40 SEER/EER 14.00/11.80 NoEconomizer N A Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-06-01 07:44:31	Zone 2 Data22 2-Zone 2 Data 1 660 0.060 0.079 0.37 N CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-06-01 07:44:31	
Project Name: IVC Restroom/Concessions Building NRCC-PRF-01-E Page 8 of 13 Project Address: Imperial Valley College Campus Imperial 92251 Calculation Date/Time: 10:43, Wed, Jun 01, 2022 nput File Name: Restroom-Concessions Title-24.cibd19x Imperial Valley College Campus Imperial 92251 Imperial Valley College Campus Imperial 92251	Project Name: IVC Restroom/Concessions Building NRCC-PRF-01-E Page 9 of 13 Project Address: Imperial Valley College Campus Imperial 92251 Calculation Date/Time: 10:43, Wed, Jun 01, 2022 Input File Name: Restroom-Concessions Title-24.cibd19x Imperial Valley College Campus Imperial 92251 Calculation Date/Time:	
B. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION	J3: COMPUTER ROOMS 1 2 3 4	
3. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY 1 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 10 11 12 13 Rated Capacity (kBtuh) Airflow (cfm) Fan	Computer Room System NameCooling Capacity (tons)Economizer TypeFan Power (watts)Zone 2 Data1.5None0.44	
System ID Zone Name System Type Qty Heating Cooling Design Min. Min. Ratio Power Power Cycles VSD 1-Zone 1 Restrooms-Trm 1-Zone 1 Restrooms Uncontrolled 1 NA NA 1600 NA 0.00 0.750 bhp NA Image: Cooling		
2-Zone 2 Data-Trm 2-Zone 2 Data Uncontrolled 2 NA NA 1166 NA 0.00 0.500 bhp NA I 3-Zone 3 Maintenance-Trm 3-Zone 3 Maintenance Uncontrolled 1 NA NA 800 NA 0.000 0.750 bhp NA I		
4-Zone 4 Concessions/Dressi- Trm 4-Zone 4 Concessions/Dressi Uncontrolled 1 NA NA 1200 NA 0.00 0.750 bhp NA I		
10. EVAPORATIVE COOLER SUMMARY is Section Does Not Apply 11. HEAT RECOVERY SUMMARY		
his Section Does Not Apply I. WATER HEATER EQUIPMENT SUMMARY 1 2 3 4 5 6 7 8 9 10 11 12 13 14		
Image: Name Heater Element Type Tank Type Qty Tank Vol (gal) Rated Input Rated Input (gal) Rated Input Unit Rated Input Unit Efficiency Unit Tank Insulation (Int/Ext) Standby Loss Fraction 1st Hour Rating or Flow Rate (gal) Heat Pump Type Tank Location or Ambient Condition		
RHEEM ES50-182ElectricityStorage150.0018.0kW0.99Thrml. Eff.NA0.0700NANA		
N Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-06-01 07:44:31	CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-06-01 07:44:31	
ject Name:IVC Restroom/Concessions BuildingNRCC-PRF-01-EPage 11 of 13ject Address:Imperial Valley College Campus Imperial 92251Calculation Date/Time:10:43, Wed, Jun 01, 2022ut File Name:Restroom-Concessions Title-24.cibd19xImperial Valley College Campus Imperial 92251Imperial Valley College Campus Imperial 92251	Project Name:IVC Restroom/Concessions BuildingNRCC-PRF-01-EPage 12 of 13Project Address:Imperial Valley College Campus Imperial 92251Calculation Date/Time:10:43, Wed, Jun 01, 2022Input File Name:Restroom-Concessions Title-24.cibd19xImperial Valley College Campus Imperial 92251Imperial Valley College Campus Imperial 92251	
DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE ble Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for mpliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification ovider (ATTCP). For more information visit: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: Nicholas Harinton Company: NTH Mechanical LLC Signature: Nicholas T. Harinton	
Ailding Component Form/Title Envelope NRCA-ENV-02-F - NRFC label verification for fenestration	Address: 13389 Greenleaf Ln Signature Date: 2022-06-01 City/State/Zip: Grand Haven, MI 49417 CEA/ HERS Certification Identification (if applicable): 9F30-5A88-E6C4-7653-F1C9-4CFA-CA99-A574-B65F-AE0E-8290-D6B9-4FA7-593A-F0B1-8B86	Sanders, Architecture/Engin
NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap Mechanical NRCA-MCH-03-A Constant Volume Single Zone HVAC NRCA-MCH-11-A Automatic Demand Shed Controls	Phone: 616-368-8522 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	Architecture/Engi 1102 INDUSTRY WAY, SUITE A
NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance	 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 requirements 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 documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 	EL CENTRO, CA 92243 760 353 5440
	plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Envelope Designer Name: Jimmy Sanders Signature: Jummett. Jummettt. Jummett. Jummettt. Jummettt.	Project Title IMPERIAL VALLEY COLLEGE
	Company: Sanders, Inc Architecture & Engineering Difference Address: 1102 Industry Way Date Signed: 06/01/2022 City/State/Zip: El Centro CA 92243 Ite: Phone: 760-353-5440 Title:	RESTROOM/CONCESSION BUILDING Sheet Title
	Priorie: 760-353-5440 Ittle: Ittle: Ittle: Responsible Lighting Designer Name: Signature: NOT IN SCOPE Company: Date Signed:	ENERGY CALCULATIONS
	City/State/Zip:	CENSED AFTY CONDOCUMENT Date 04-0 -22

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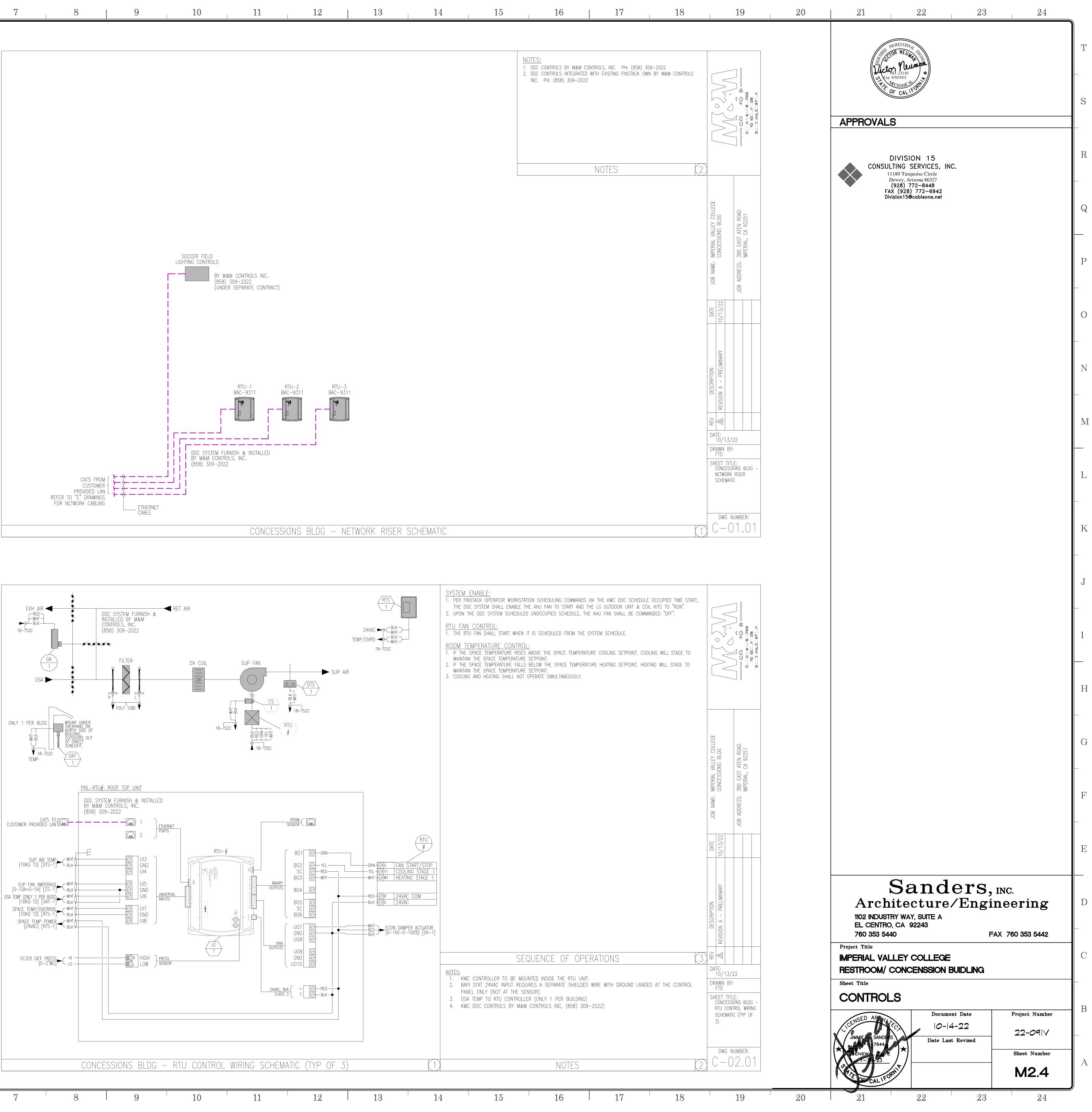


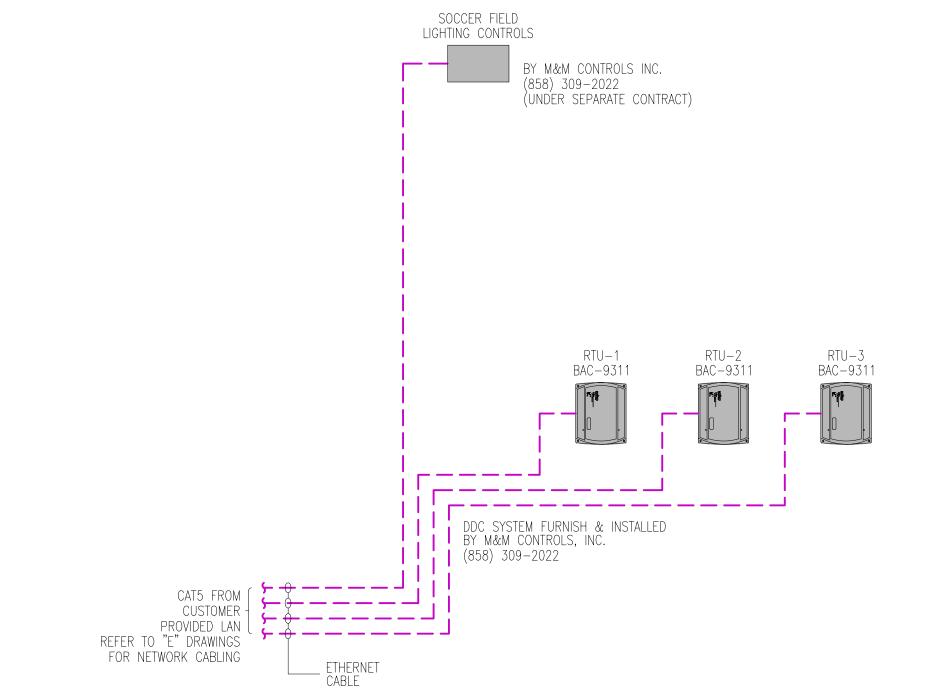
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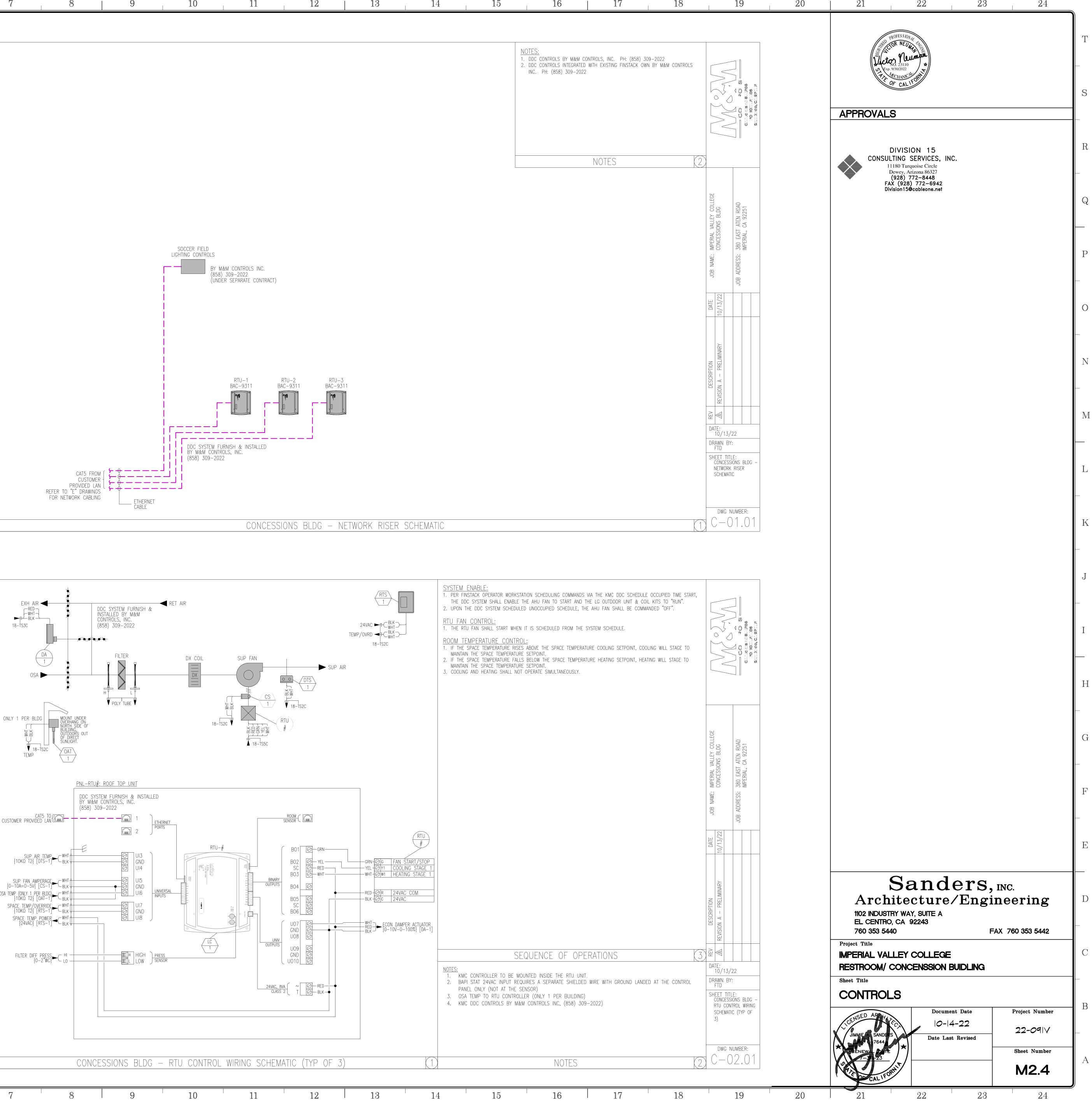
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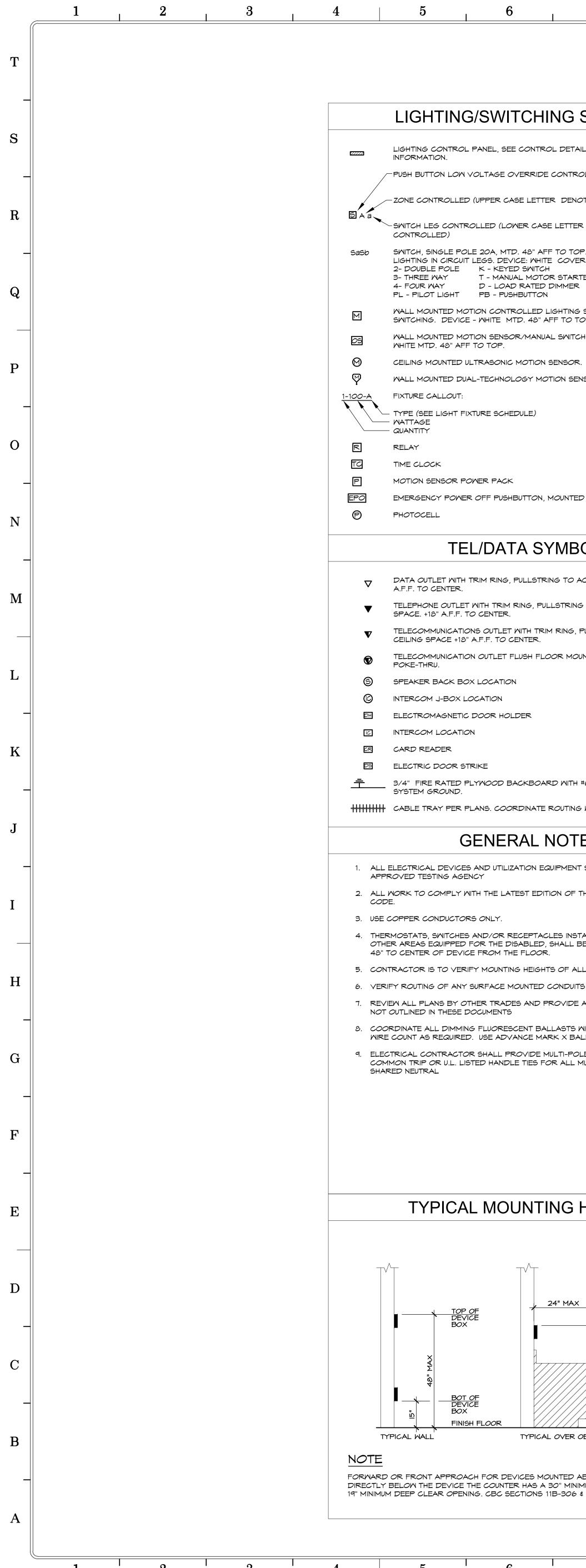


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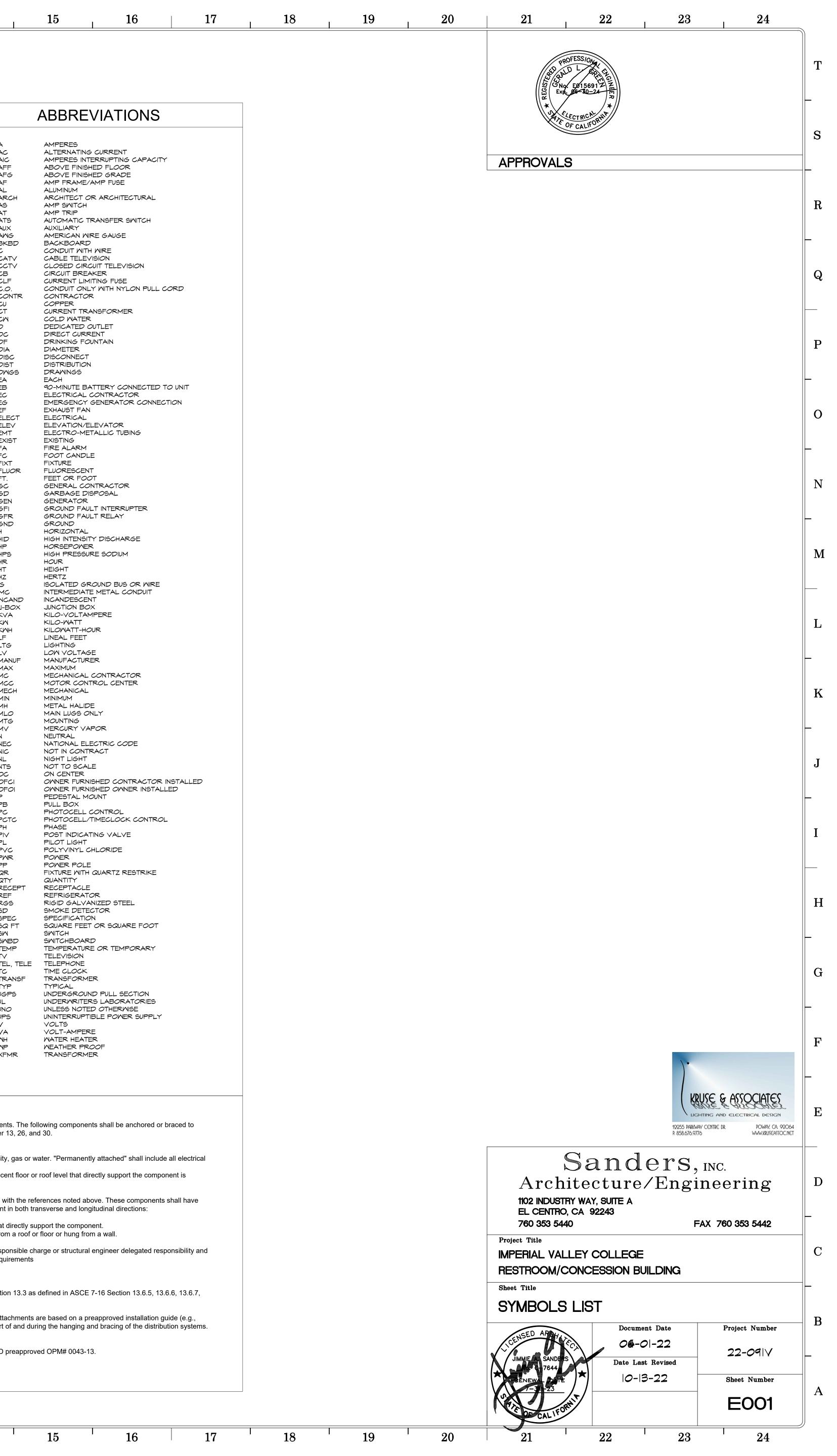


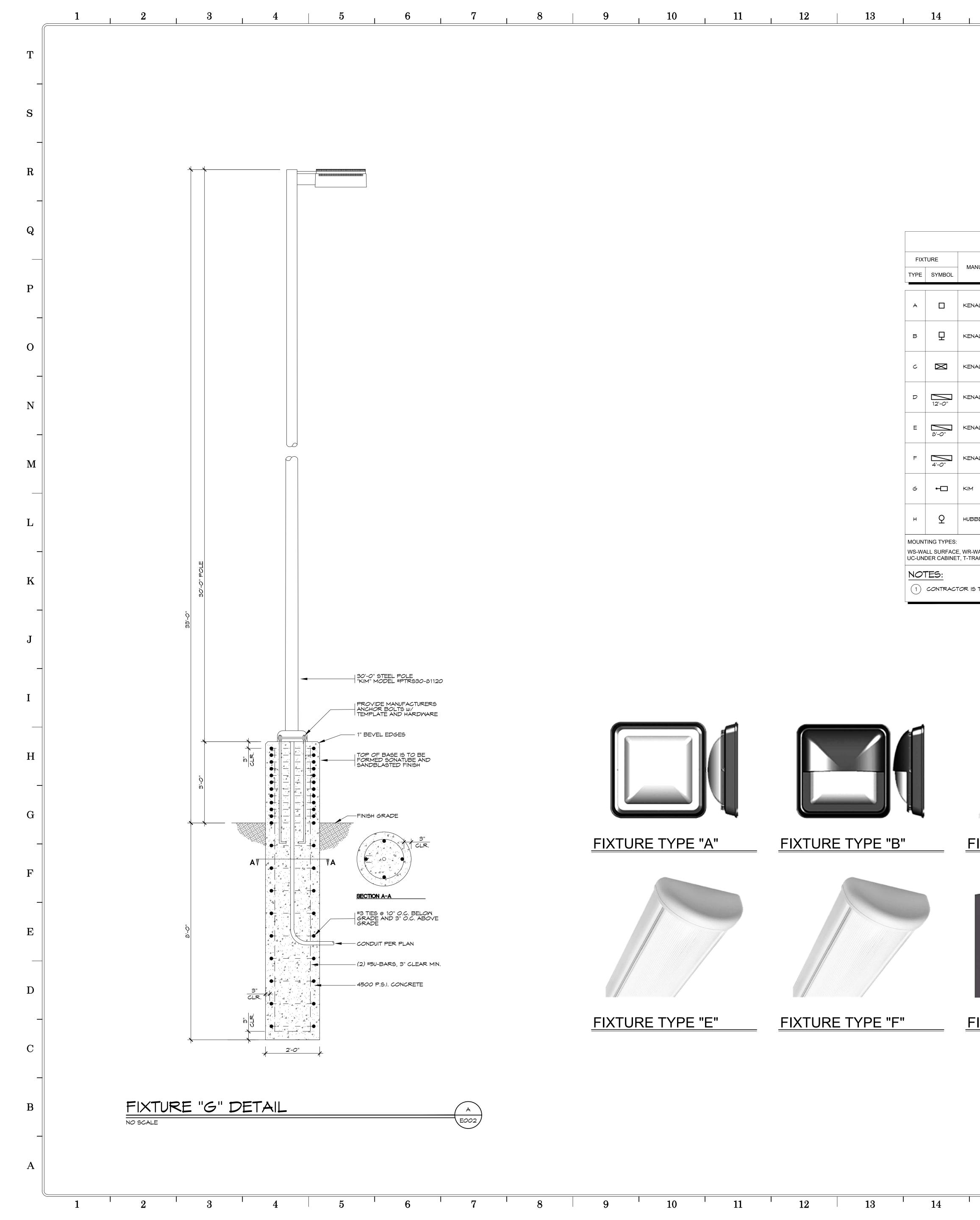


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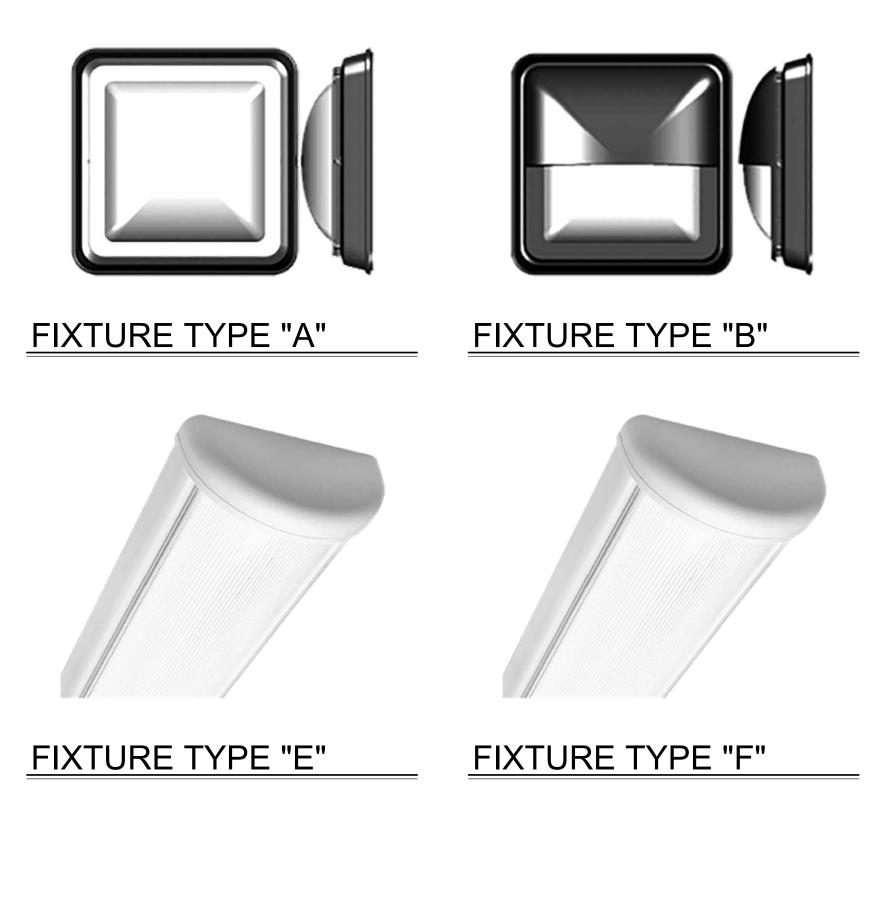
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G SYMBOLS		POWER SYMBOLS		ABBREVIATIONS		* OF CALIFORNIA
ETAIL AND SCHEDULES FOR MORE	Q	JUNCTION BOX	A AC	AMPERES ALTERNATING CURRENT		
ITROL SWITCH	어 	WALL MOUNTED JUNCTION BOX. DUPLEX RECEPTACLE MTD 18" AFF TO CENTER COVERPLATE COLOR: WHITE	AIC AFF AFG	AMPERES INTERRUPTING CAPACITY ABOVE FINISHED FLOOR ABOVE FINISHED GRADE		APPROVALS
ENOTES ZONE CONTROLLED)		DEVICE TYPE DEVICE COLOR STANDARD WHITE IG ISOLATED GROUND ORANGE	AF AL ARCH	AMP FRAME/AMP FUSE ALUMINUM ARCHITECT OR ARCHITECTURAL		
ITER DENOTES SWITCH LEG		D DEDICATED 20A RATED GRAY UPS 15A OR 20A UPS GRAY EM EMERGENCY RED	AS AT ATS	AMP SWITCH AMP TRIP AUTOMATIC TRANSFER SWITCH		
TOP. DESIGNATION TO CONTROL		T TAMPER RESISTANT WHITE USB USB PORT WHITE	AUX AMG BKBD	AUXILIARY AMERICAN WIRE GAUGE BACKBOARD		
OVERPLATE: WHITE ARTER WITH THERMAL OVERLOADS	÷	GFI DUPLEX RECEPTACLE MTD 18" AFF TO CENTER COVERPLATE COLOR: WHITE GFI DUPLEX WEATHERPROOF RECEPTACLE MTD 18" AFF TO CENTER, USE "IN USE"	C C CATV CCTV	CONDUIT WITH WIRE CABLE TELEVISION CLOSED CIRCUIT TELEVISION		
1ER			CB CLF	CIRCUIT BREAKER CURRENT LIMITING FUSE		
ING SMITCH WITH INTEGRAL BI-LEVEL O TOP.		DOUBLE DUPLEX RECEPTACLE MTD 18" AFF TO CENTER, SCHEDULE AS NOTED ABOVE. SPLIT WIRED 15A 1/2 HOT, 1/2 SWITCHED OUTLET COLOR: WHITE	C.O. CONTR CU	CONDUIT ONLY WITH NYLON PULL CORD CONTRACTOR COPPER		
NITCH-RAISE/LOWER/ON/OFF DEVICE -	-	DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR, MTD 18" AFF TO CENTER, SCHEDULE AS NOTED ABOVE.	CT CW D	CURRENT TRANSFORMER COLD WATER DEDICATED OUTLET		
OR. DEVICE: WHITE	-	DOUBLE DUPLEX RECEPTACLE WITH ONE DUPLEX CONTROLLED BY OCCUPANCY SENSOR, MTD 18" AFF TO CENTER, SCHEDULE AS NOTED ABOVE.	DC DF DIA	DIRECT CURRENT DRINKING FOUNTAIN DIAMETER		
SENSOR. DEVICE: WHITE	€	208V/10 RECEPTACLE, NEMA CONFIGURATION AS NOTED.	DISC DIST DWGS	DISCONNECT DISTRIBUTION DRAWINGS		
	ю D	208V/30 RECEPTACLE, NEMA CONFIGURATION AS NOTED.	EA EB EC	EACH 90-MINUTE BATTERY CONNECTED TO UNIT ELECTRICAL CONTRACTOR		
		FLOOR BOX WITH DOUBLE DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA	EG EF ELECT	EMERGENCY GENERATOR CONNECTION EXHAUST FAN ELECTRICAL		
		RECEPTACLE. FLOOR BOX WITH DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE.	ELEV EMT EXIST	ELEVATION/ELEVATOR ELECTRO-METALLIC TUBING EXISTING		
NTED AT +48" UON.		SPECIALTY FLOOR BOX PER PLANS MULTIPLE GANG BOX, SEE SPECS.	FA FC	FIRE ALARM FOOT CANDLE FIXTURE		
	\$₽	PEDESTAL MOUNTED DOUBLE DUPLEX RECEPTACLE MANUF: HUBBELL SA6688 W/STAINLESS STEEL COVERPLATES	FIXT FLUOR FT.	FLVORESCENT FEET OR FOOT		
	⇒ ⇔ _P	PEDESTAL MOUNTED DUPLEX RECEPTACLE MANUF: HUBBELL#SA6686 W/STAINLESS STEEL COVERPLATES	GC GD GEN	GENERAL CONTRACTOR GARBAGE DISPOSAL GENERATOR		
IBOLS	- & _{MF}	WEATHERPROOF GFI WORK OUTLET. PROVIDE CAST BOX W/STAINLESS STEEL WP COVER.	GFI GFR GND	GROUND FAULT INTERRUPTER GROUND FAULT RELAY GROUND		
O ACCESSIBLE CEILING SPACE. +18"	F	EXTERNALLY OPERATED FUSED DISCONNECT SWITCH. PROVIDE PER NEMA RATING REQUIRED.		HORIZONTAL HIGH INTENSITY DISCHARGE HORSEPOWER		
RING TO ACCESSIBLE CEILING		COMBINATION FVNR MAGNETIC MOTOR STARTER AND DISCONNECT RATING AND POLES AS INDICATED. PROVIDE WITH OVERLOAD PER HORSEPOWER REQUIREMENTS,	HPS HR	HIGH PRESSURE SODIUM HOUR HEIGHT		
IG, PULLSTRING TO ACCESSIBLE		CPT, H.O.A. WITH PILOT LIGHTS, PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS. FVNR MAGNETIC STARTER WITH OVERLOAD PER HORSEPOWER REQUIREMENTS, CPT,	HT HZ IG	HERTZ ISOLATED GROUND BUS OR WIRE		
MOUNTED ON FIRE RATED		H.O.A. WITH PILOT LIGHTS, PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS.	IMC INCAND J-BOX	INTERMEDIATE METAL CONDUIT INCANDESCENT JUNCTION BOX		
		MOTOR PROVIDED BY OTHERS. FLUSH MOUNTED PANELBOARD	KVA KM KMH	KILO-VOLTAMPERE KILO-WATT KILOWATT-HOUR		
		SURFACE MOUNTED PANELBOARD	LF LTG LV	LINEAL FEET LIGHTING LOW VOLTAGE		
		SURFACE MOUNTED LIGHTING CONTROL PANEL, U.O.N. FLUSH MOUNTED LIGHTING DIMMING PANEL, U.O.N.	MANUF MAX MC	MANUFACTURER MAXIMUM MECHANICAL CONTRACTOR		
	•	FIRE RATED DOUBLE DUPLEX POKE THROUGH	MCC MECH	MOTOR CONTROL CENTER MECHANICAL		
		FIRE RATED SYSTEMS FURNITURE FEED POKE THROUGH	MIN MH MLO	MINIMUM METAL HALIDE MAIN LUGS ONLY		
ITH #6AMG GROUND TO BUILDING	H Ģ I⊡	CLOCK HANGER OUTLET ONLY, MOUNTED AT + U.O.N. TELEVISION SYSTEM OUTLET WITH JACK, WALL MOUNTED AT +12" U.O.N.	MTG MV N	MOUNTING MERCURY VAPOR NEUTRAL		
TING WITH OTHER DISIPLINES.	• • • •	MULTI-OUTLET ASSEMBLY, LENGTH AS INDICATED ON PLANS.	NEC NIC NL	NATIONAL ELECTRIC CODE NOT IN CONTRACT NIGHT LIGHT		
TES		 FLEXIBLE CONDUIT WIRING OR CONDUIT CONCEALED IN WALL OR CEILING 	NTS OC OFCI	NOT TO SCALE ON CENTER OWNER FURNISHED CONTRACTOR INSTALLED		
IENT SHALL BE LISTED BY AN		- WIRING OR CONDUIT EXPOSED	OFOI P PB	OWNER FURNISHED OWNER INSTALLED PEDESTAL MOUNT PULL BOX		
OF THE CALIFORNIA ELECTRICAL		- WIRING OR CONDUIT CONCEALED UNDERGROUND OR IN FLOOR	PC PCTC PH	PHOTOCELL CONTROL PHOTOCELL/TIMECLOCK CONTROL PHASE		
		 RACEWAY OR WIREWAY ASSEMBLY DOWN RACEWAY OR WIREWAY ASSEMBLY UP 	PIV PL	POST INDICATING VALVE PILOT LIGHT		
INSTALLED IN RESTROOMS OR _L BE LOCATED AT NOT TO EXCEED		HOMERUN TO PANEL, CIRCUITS AS INDICATED.	PVC PWR PP	POLYVINYL CHLORIDE POWER POWER POLE		
F ALL DEVICES PRIOR TO MOUNTING		 UNDERGROUND HOMERUN TO PANEL, CIRCUITS AS INDICATED. CONCEALED EMT CONDUIT WITH THHN WIRE 2#12 AWG 3/4" C. MINIMUM 	QR QTY RECEPT	FIXTURE WITH QUARTZ RESTRIKE QUANTITY RECEPTACLE		
DUITS PRIOR TO INSTALLATION			REF RGS SD	REFRIGERATOR RIGID GALVANIZED STEEL SMOKE DETECTOR		
IDE ADDITIONAL WORK AS REQUIRED	· · · · · · · · · · · · · · · · · · ·		SPEC SQ FT SW	SPECIFICATION SQUARE FEET OR SQUARE FOOT SWITCH		
TS WITH DIMMING SYSTEM, PROVIDE BALLASTS.		CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.	SWBD TEMP TV	SWITCHBOARD TEMPERATURE OR TEMPORARY TELEVISION		
POLE CIRCUIT BREAKERS WITH LL MULTI-POLE CIRCUITS WITH	35	TRANSFORMER, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.	TEL, TELE TC TRANSF	TELEPHONE TIME CLOCK		
		CURRENT TRANSFORMER	TYP UGPS	TYPICAL UNDERGROUND PULL SECTION		
		AUTOMATIC TRANSFER SWITCH	UL UNO UPS	UNDERWRITERS LABORATORIES UNLESS NOTED OTHERWISE UNINTERRUPTIBLE POWER SUPPLY		
		GROUNDING ELECTRODE	∨ ∨A MH	VOLTS VOLT-AMPERE WATER HEATER		
	-	SMOKE DETECTOR	MP XFMR	WEATHER PROOF TRANSFORMER		
G HEIGHTS NO SCALE	MEP Compone	nt Anchorage Note				
	All mechanical,	plumbing, and electrical components shall be anchored and installed per the details on the DSA approved constru				
		nd displacement requirements prescribed in the 2019 CBC, Sections 1617A.1.18 through 1617A.1.26 and ASCE in nanent equipment and components.	7-16. Chapter 13, 26, a	and 30.		
	2. Tempor connect	ary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services suc tions except plugs for 110220 volt receptacles having a flexible cable.				Sar
		rary, movable or mobile equipment which heavier than 400 pounds or has a center mass located 4 feet or more ab I to be restrained in a manner approved by DSA	bove the adjacent floor	or roof level that directly support the component is		Architect
TOP OF		echanical and electrical components shall be positively attached to the structure, but need not demonstrate design ons provided between the component and associated ductwork, piping, and conduit. Flexible connections must all				1102 INDUSTRY WAY, SUI EL CENTRO, CA 92243
DEVICE BOX HJY VC		nents weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or nents weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are s				760 353 5440
	The anchorage of	of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in DSA. The project inspector will verify that all components and equipment have been anchored in accordance with t	in general responsible of	charge or structural engineer delegated responsibility and		Project Title IMPERIAL VALLEY COL
X (SIDE C (FRON		rk, and Electrical Distribution System Bracing Note	and above requirements	~		RESTROOM/CONCESS
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASC O CBC, Sections 1617A.1.24, 1617A.1.25, and 1617A.1.26.	CE 7-16 Section 13.3 a	as defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7,		Sheet Title
ER OBSTRUCTION	The method of s	howing bracing and attachments to the structure for the identified distribution system are as noted below. When b				SYMBOLS LIST
		r 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite pri Ingineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.	or to the start of and d	uring the hanging and bracing of the distribution systems.		CENSED ARTY
D ABOVE COUNTER ASSUMES THAT 11NIMUM WIDTH X 27" MINIMUM HIGH X	-	ng (MP), Mechanical Ducts (MD), Plumbing Piping (PP),Electrical Distribution Systems (E) shall comply with appli PPPEE OPTION 1: Detailed on the approved drawings with project specific notes and details	cable OSHPD preappro	oved OPM# 0043-13.		
06 \$ 11B-308.		$PP \square E \boxtimes$ OPTION 2: Shall comply with the applicable OSHPD Pre-Approval (OPM#) #_0043-13				
			I			CALIFU'
7 8	9	10 11 12 13	14	15 16 17 18	19 20	21 22

G SYMBOLS	POWER SYMBOLS		ABBREVIATIONS		WAR OF CALIFORNIA
ETAIL AND SCHEDULES FOR MORE	 JUNCTION BOX WALL MOUNTED JUNCTION BOX. 	A AC	AMPERES ALTERNATING CURRENT		
NTROL SWITCH	DUPLEX RECEPTACLE MTD 18" AFF TO CENTER COVERPLATE COLOR: WHITE	AIC AFF AFG	AMPERES INTERRUPTING CAPACITY ABOVE FINISHED FLOOR ABOVE FINISHED GRADE		APPROVALS
PENOTES ZONE CONTROLLED)	DEVICE TYPE DEVICE COLOR STANDARD WHITE IG ISOLATED GROUND ORANGE	AF AL ARCH	AMP FRAME/AMP FUSE ALUMINUM ARCHITECT OR ARCHITECTURAL		
ITER DENOTES SWITCH LEG	D DEDICATED 20A RATED GRAY UPS 15A OR 20A UPS GRAY EM EMERGENCY RED	AS AT ATS	AMP SWITCH AMP TRIP AUTOMATIC TRANSFER SWITCH		
TOP. DESIGNATION TO CONTROL	T TAMPER RESISTANT WHITE USB USB PORT WHITE	AUX AMG	AUXILIARY AMERICAN WIRE GAUGE BACKBOARD		
OVERPLATE: WHITE "ARTER WITH THERMAL OVERLOADS	GFI DUPLEX RECEPTACLE MTD 18" AFF TO CENTER COVERPLATE COLOR: WHITE	BKBD C CATV	BACKBOAKD CONDUIT WITH WIRE CABLE TELEVISION		
IER	GFI DUPLEX WEATHERPROOF RECEPTACLE MTD 18" AFF TO CENTER, USE "IN USE" WP TYPE COVER PLATES	CCTV CB CLF	CLOSED CIRCUIT TELEVISION CIRCUIT BREAKER CURRENT LIMITING FUSE		
TING SWITCH WITH INTEGRAL BI-LEVEL O TOP.	 DOUBLE DUPLEX RECEPTACLE MTD 18" AFF TO CENTER, SCHEDULE AS NOTED ABOVE. SPLIT WIRED 15A 1/2 HOT, 1/2 SWITCHED OUTLET COLOR: WHITE 	C.O. CONTR CU	CONDUIT ONLY WITH NYLON PULL CORD CONTRACTOR COPPER		
NITCH-RAISE/LOWER/ON/OFF DEVICE -	DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR, MTD 18" AFF TO	CT CW	CURRENT TRANSFORMER COLD WATER		
GOR. DEVICE: WHITE	CENTER, SCHEDULE AS NOTED ABOVE.	D DC DF	DEDICATED OUTLET DIRECT CURRENT DRINKING FOUNTAIN		
SENSOR. DEVICE: WHITE	 DOUDLE DUPLEA RECEPTACLE, NEMA CONFIGURATION AS NOTED. DOUDLE DUPLEA RECEPTACLE, NEMA CONFIGURATION AS NOTED. 	DIA DISC DIST	DIAMETER DISCONNECT DISTRIBUTION		
	 208√/1Φ RECEPTACLE, NEMA CONFIGURATION AS NOTED. 208√/3Φ RECEPTACLE, NEMA CONFIGURATION AS NOTED. 	DWGS EA	DRAWINGS EACH		
	FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE.	EB EC EG	90-MINUTE BATTERY CONNECTED TO UNIT ELECTRICAL CONTRACTOR EMERGENCY GENERATOR CONNECTION		
	FLOOR BOX WITH DOUBLE DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE.	EF ELECT ELEV	EXHAUST FAN ELECTRICAL ELEVATION/ELEVATOR		
	FLOOR BOX WITH DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE.	EMT EXIST FA	ELECTRO-METALLIC TUBING EXISTING FIRE ALARM		
NTED AT +48" UON.	SPECIALTY FLOOR BOX PER PLANS MULTIPLE GANG BOX, SEE SPECS. PEDESTAL MOUNTED DOUBLE DUPLEX RECEPTACLE MANUF: HUBBELL SA6688	FC FIXT	F <i>OO</i> T CANDLE FIXTURE		
	₩ _P W/STAINLESS STEEL COVERPLATES	FLUOR FT. GC	FLUORESCENT FEET OR FOOT GENERAL CONTRACTOR		
IBOLS	P STEEL COVERPLATES	GD GEN GFI	GARBAGE DISPOSAL GENERATOR GROUND FAULT INTERRUPTER		
	WEATHERPROOF GFI WORK OUTLET. PROVIDE CAST BOX W/STAINLESS STEEL WP WP COVER.	GFI GFR GND	GROUND FAULT RELAY GROUND		
O ACCESSIBLE CEILING SPACE. +18"	EV EXTERNALLY OPERATED FUSED DISCONNECT SWITCH. PROVIDE PER NEMA RATING REQUIRED.	H HID HP	HORIZONTAL HIGH INTENSITY DISCHARGE HORSEPOWER		
RING TO ACCESSIBLE CEILING	COMBINATION FVNR MAGNETIC MOTOR STARTER AND DISCONNECT RATING AND POLES AS INDICATED. PROVIDE WITH OVERLOAD PER HORSEPOWER REQUIREMENTS,	HPS HR HT	HIGH PRESSURE SODIUM HOUR HEIGHT		
NG, PULLSTRING TO ACCESSIBLE	CPT, H.O.A. WITH PILOT LIGHTS, PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS.	HZ IG IMC	HERTZ ISOLATED GROUND BUS OR WIRE INTERMEDIATE METAL CONDUIT		
MOUNTED ON FIRE RATED	H.O.A. WITH PILOT LIGHTS, PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS.	IMC INCAND J-BOX	INCANDESCENT JUNCTION BOX		
	MOTOR PROVIDED BY OTHERS. FLUSH MOUNTED PANELBOARD	KVA KM KMH	KILO-VOLTAMPERE KILO-WATT KILOWATT-HOUR		
	SURFACE MOUNTED PANELBOARD	LF LTG LV	LINEAL FEET LIGHTING LOW VOLTAGE		
	SURFACE MOUNTED LIGHTING CONTROL PANEL, U.O.N.	MANUF MAX	MANUFACTURER MAXIMUM		
	FLUSH MOUNTED LIGHTING DIMMING PANEL, U.O.N. FIRE RATED DOUBLE DUPLEX POKE THROUGH	MC MCC MECH	MECHANICAL CONTRACTOR MOTOR CONTROL CENTER MECHANICAL		
	FIRE RATED SYSTEMS FURNITURE FEED POKE THROUGH	MIN MH MLO	MINIMUM METAL HALIDE MAIN LUGS ONLY		
NTH #6AMG GROUND TO BUILDING	 CLOCK HANGER OUTLET ONLY, MOUNTED AT + U.O.N. TELEVISION SYSTEM OUTLET WITH JACK, WALL MOUNTED AT +12" U.O.N. 	MTG MV N	MOUNTING MERCURY VAPOR NEUTRAL		
TING WITH OTHER DISIPLINES.	MULTI-OUTLET ASSEMBLY, LENGTH AS INDICATED ON PLANS.	NEC NIC NL	NATIONAL ELECTRIC CODE NOT IN CONTRACT NIGHT LIGHT		
DTES	FLEXIBLE CONDUIT	NTS OC	NOT TO SCALE ON CENTER		
IENT SHALL BE LISTED BY AN		OFCI OFOI P	OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED PEDESTAL MOUNT		
OF THE CALIFORNIA ELECTRICAL		PB PC PCTC	PULL BOX PHOTOCELL CONTROL PHOTOCELL/TIMECLOCK CONTROL		
OF THE CALIFORNIA LELOTRICAL	RACEWAY OR WIREWAY ASSEMBLY DOWN	PH PIV PL	PHASE POST INDICATING VALVE PILOT LIGHT		
INSTALLED IN RESTROOMS OR	HOMERUN TO PANEL, CIRCUITS AS INDICATED.	PVC PWR	POLYVINYL CHLORIDE POWER		
LL BE LOCATED AT NOT TO EXCEED	UNDERGROUND HOMERUN TO PANEL, CIRCUITS AS INDICATED.	PP QR QTY	POWER POLE FIXTURE WITH QUARTZ RESTRIKE QUANTITY		
FALL DEVICES PRIOR TO MOUNTING	CONCEALED EMT CONDUIT WITH THHN WIRE 2#12 AWG 3/4" C. MINIMUM	RECEPT REF RGS	RECEPTACLE REFRIGERATOR RIGID GALVANIZED STEEL		
DUITS PRIOR TO INSTALLATION IDE ADDITIONAL WORK AS REQUIRED	INDICATE #10 CONDUCTORS	SD SPEC SQ FT	SMOKE DETECTOR SPECIFICATION SQUARE FEET OR SQUARE FOOT		
TS WITH DIMMING SYSTEM, PROVIDE	FUSED SWITCH, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.	SM SMBD	SWITCH SWITCHBOARD		
BALLASTS.	TRANSFORMER, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.	TEMP TV TEL, TELE	TEMPERATURE OR TEMPORARY TELEVISION TELEPHONE		
-POLE CIRCUIT BREAKERS WITH LL MULTI-POLE CIRCUITS WITH		TC TRANSF TYP	TIME CLOCK TRANSFORMER TYPICAL		
		UGPS UL UNO	UNDERGROUND PULL SECTION UNDERWRITERS LABORATORIES UNLESS NOTED OTHERWISE		
		UPS V	UNINTERRUPTIBLE POWER SUPPLY VOLTS		
	GROUNDING ELECTRODE	VA MH MP	VOLT-AMPERE WATER HEATER WEATHER PROOF		
	D SMOKE DETECTOR	XFMR	TRANSFORMER		
G HEIGHTS NO SCALE	MEP Component Anchorage Note				
	All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction meet the force and displacement requirements prescribed in the 2019 CBC, Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16				
	1. All permanent equipment and components.				
	 Temporary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such a connections except plugs for 110220 volt receptacles having a flexible cable. Temporary, movable or mobile equipment which heavier than 400 pounds or has a center mass located 4 feet or more above 				Sar
1AX	required to be restrained in a manner approved by DSA	·			Architect
	The following mechanical and electrical components shall be positively attached to the structure, but need not demonstrate design configuration flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow				1102 INDUSTRY WAY, SUI EL CENTRO, CA 92243
DEVICE BOX HJYON	 A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or root B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are susp 				760 353 5440
	The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in ge	eneral responsible c	harge or structural engineer delegated responsibility and		Project Title IMPERIAL VALLEY COL
XERCE (1911)	acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the a Piping, Ductwork, and Electrical Distribution System Bracing Note	above requirements			RESTROOM/CONCESS
₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩	Piping, ductwork and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE	7-16 Section 13.3 as	s defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7,		Sheet Title
ER OBSTRUCTION	13.6.8, and 2019 CBC, Sections 1617A.1.24, 1617A.1.25, and 1617A.1.26. The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When braci				SYMBOLS LIST
	OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.				CENSED ARTY
ED ABOVE COUNTER ASSUMES THAT MINIMUM WIDTH X 27" MINIMUM HIGH X	Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E) shall comply with applicabl	le OSHPD preappro	ved OPM# 0043-13.		
06 \$ 11B-308.	MP MD PP E OPTION 1: Detailed on the approved drawings with project specific notes and details MP MD PP E OPTION 2: Shall comply with the applicable OSHPD Pre-Approval (OPM#) #_0043-13				
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		L	IGHT FIXTURE	SC	HE	DU	LE				
FIXT	TURE	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTS	MTG	LAMP TYPE	BUG	REMARKS		
TYPE	SYMBOL	MANOFACTORER	OATALOG NOMBER	WAITO	VOLIO	MIG		DOG	TLEMATING		
A		KENALL	MS11FL-PP-20L35K-120-9500	20	120	CS	20W LED	_			
в	모	KENALL	MS11EL-PP-20L35K-120-9500	20	120	MS	20M LED	-			
с	\boxtimes	KENALL	MLHA5-24-R-LG-PP-1-25L35K- DCC-1-120-9500	25	120	PN	25W LED	-	1		
ם	12'-0"	KENALL	MLHA85-B48/M48/E48-R-LG- PP-1-135L35K-DCC-1-120-9500	135	120	PN	135W LED	-	1		
E	8'-0"	KENALL	MLHA8-96-R-LG-PP-1-90L35K- DCC-1-120-9500	90	120	PN	90W LED	-	1		
F	4'-0"	KENALL	MLHA8-48-R-LG-PP-1-45L35K- DCC-1-120-9500	45	120	PN	25W LED	-	1		
G	•□	KIM	1A-ETA2-81L-700-4K8-2-UNV- PTRS-68120-A/PS-P	178	277	Ρ	178M LED	-			
н	ହ	HUBBELL	WGH3-277-4000	90	277	MS	90W LED	-			
WS-WA			, CS-CEILING SURFACE, CR-CEILING REC TR-TRELLIS, C-COVE	CESSED	, CH-CH/	AIN, PN-I	PENDANT, U-UNIVERSAL, G-GROUN	ND, P-PC)LE,		
	NOTES:										



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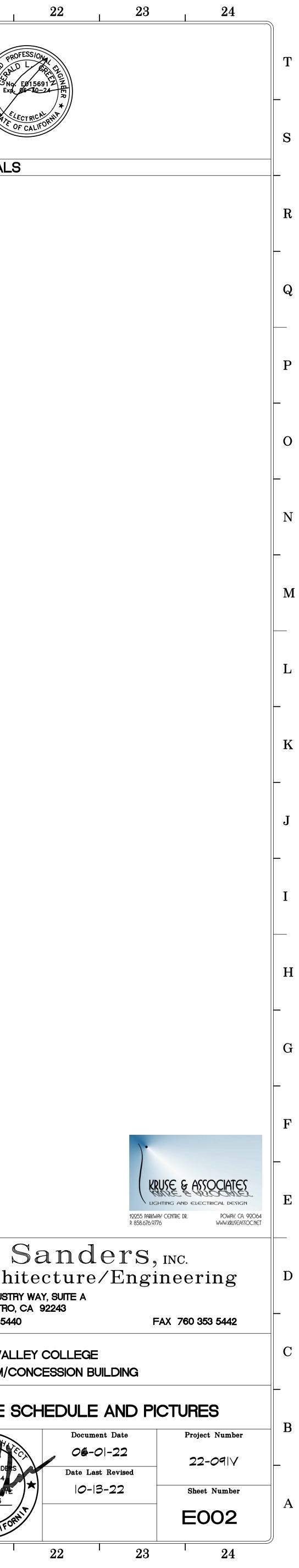
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FIXTURE TYPE "D"

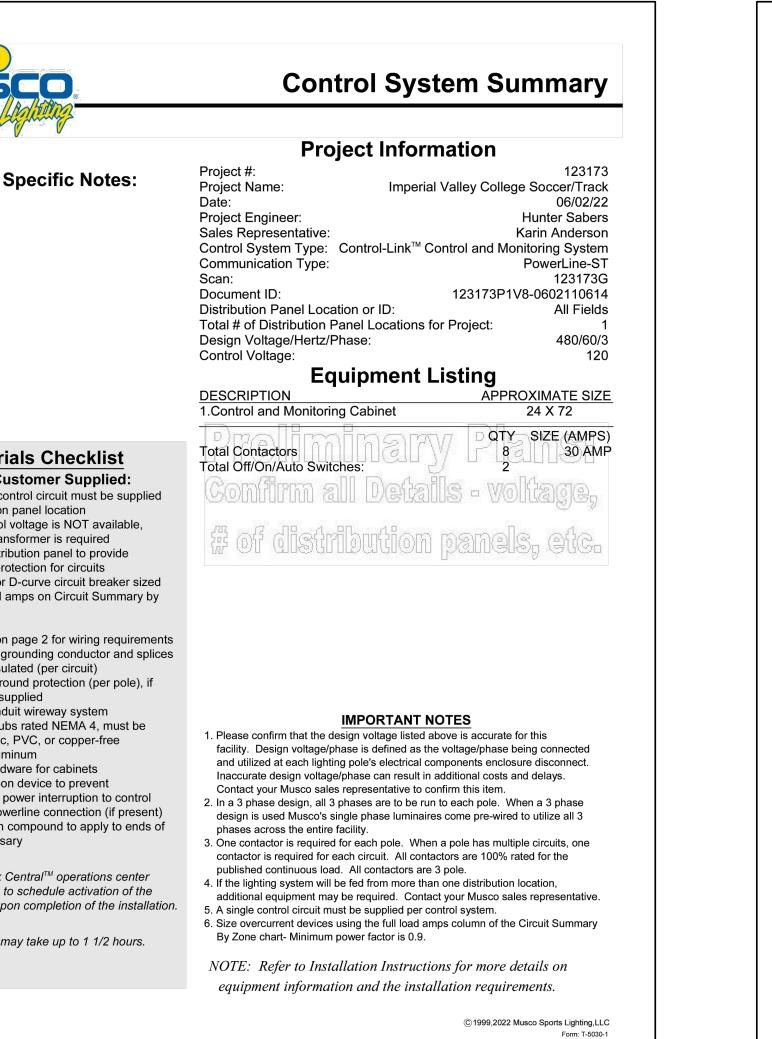


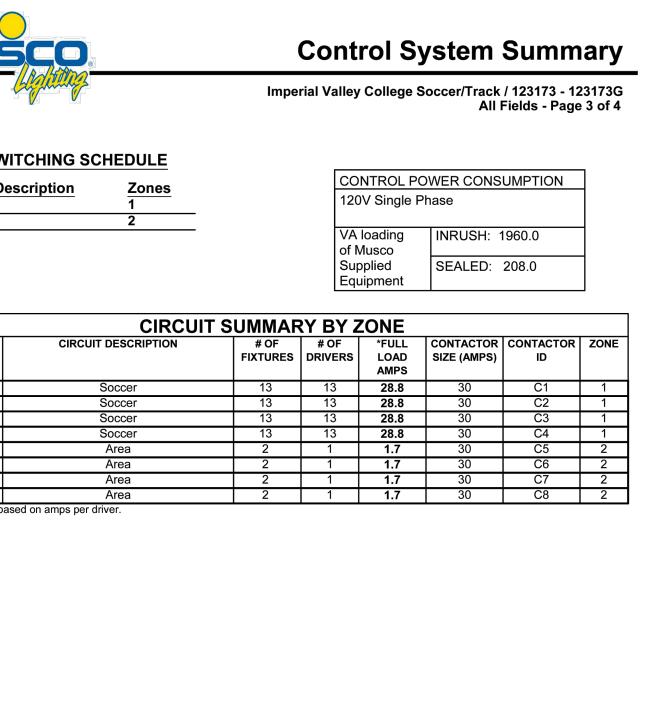
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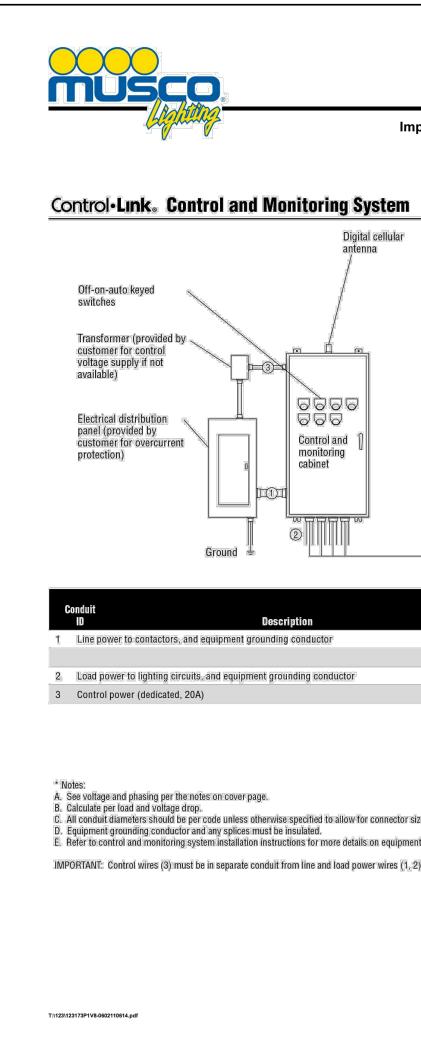
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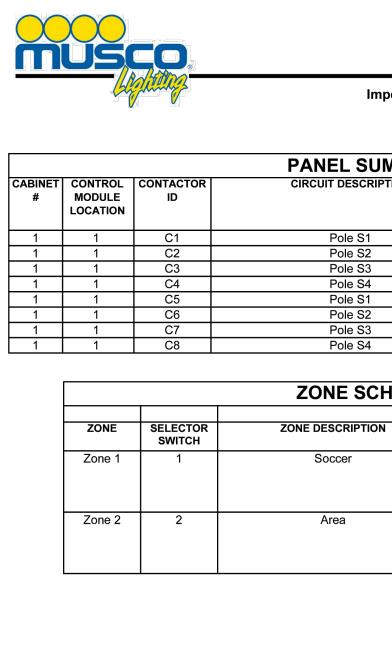


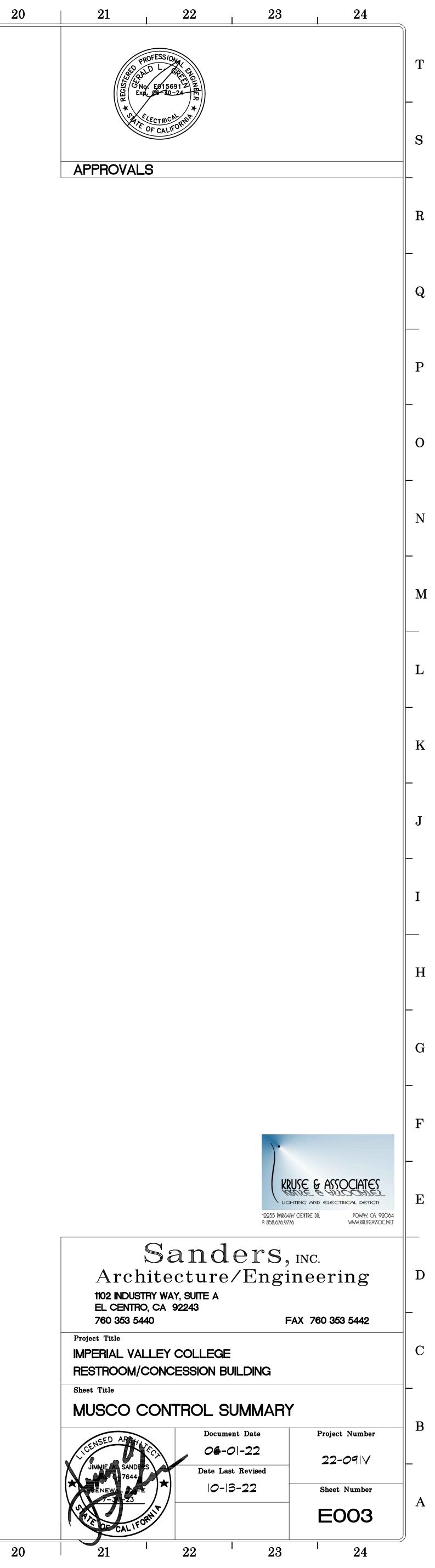
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S –								The of california
_			Control System Summary		Control System Summary			APPROVALS
R		MUSCO	Control System Summary Project Information Project #: 123173	<u>musco</u> .	Control System Summary Imperial Valley College Soccer/Track / 123173 - 123173G All Fields - Page 2 of 4			
Q		Project Specific Notes:	Project Name: Imperial Valley College Soccer/Track Date: 06/02/22 Project Engineer: Hunter Sabers Sales Representative: Karin Anderson Control System Type: Control-Link [™] Control and Monitoring System Communication Type: PowerLine-ST	Control-Link。Control and Monitoring	System			
			Scan:1231/3GDocument ID:123173P1V8-0602110614Distribution Panel Location or ID:All FieldsTotal # of Distribution Panel Locations for Project:1Design Voltage/Hertz/Phase:480/60/3	Off-on-auto keyed switches Transformer (provided by customer for control				
Р			Control Voltage: 120 Equipment Listing DESCRIPTION APPROXIMATE SIZE 1.Control and Monitoring Cabinet 24 X 72	voltage supply if not available) Electrical distribution panel (provided by customer for oversurrent				
О		Materials Checklist Contractor/Customer Supplied: A dedicated control circuit must be supplied per distribution panel location — If the control voltage is NOT available, a control transformer is required		protection)				
_		 Electrical distribution panel to provide overcurrent protection for circuits HID rated or D-curve circuit breaker sized per full load amps on Circuit Summary by Zone Chart Wiring 		Ground Ground Description	# of Wire Conduit Max. Wire MUSCO Wires (AWG) (in) Length (ft) Supplied Notes			
N		 See chart on page 2 for wiring requirement Equipment grounding conductor and splice must be insulated (per circuit) Lightning ground protection (per pole), if not Musco supplied Electrical conduit wireway system 	s s IMPORTANT NOTES	 Line power to contactors, and equipment grounding conductor Load power to lighting circuits, and equipment grounding conductor Control power (dedicated, 20A) 	*A *B *C N/A No A-E or *A *B *C N/A No A-E 3 12 *C N/A No C,E			
M		 Entrance hubs rated NEMA 4, must be die-cast zinc, PVC, or copper-free die-cast aluminum Mounting hardware for cabinets Breaker lock-on device to prevent unauthorized power interruption to control power and powerline connection (if present) 	 Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's electrical components enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Musco's single phase luminaires come pre-wired to utilize all 3 	* Notes: A. See voltage and phasing per the notes on cover page. B. Calculate per load and voltage drop. C. All conduit diameters should be per code unless otherwise specified to allo	R60-100-00_B			
		 Anti-corrosion compound to apply to ends of wire, if necessary Call Control-Link Central[™] operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation 	 phases across the entire facility. 3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are 100% rated for the published continuous load. All contactors are 3 pole. 4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative. 	D. Equipment grounding conductor and any splices must be insulated. E. Refer to control and monitoring system installation instructions for more d IMPORTANT: Control wires (3) must be in separate conduit from line and load	etails on equipment information and the installation requirements.			
L		Note: Activation may take up to 1 1/2 hours.	 5. A single control circuit must be supplied per control system. 6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9. NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements. 					
K		T.\123\123173P1V8-0602110614.pdf	© 1999,2022 Musco Sports Lighting,LLC Form: T-5030-1	T:\123\123173P1V8-0602110614.pdf				
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J 			Control System Summary Imperial Valley College Soccer/Track / 123173 - 123173G All Fields - Page 3 of 4		Control System Summary Imperial Valley College Soccer/Track / 123173 - 123173G All Fields - Page 4 of 4			
Ι		SWITCHING SCHEDULEField/Zone DescriptionZonesSoccer1	CONTROL POWER CONSUMPTION 120V Single Phase		NEL SUMMARY CUIT DESCRIPTION FULL DISTRIBUTION CIRCUIT LOAD PANEL ID (BY BREAKER AMPS OTHERS) POSITION (BY			
		Area 2	VA loading INRUSH: 1960.0 of Musco Supplied SEALED: 208.0 Equipment	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pole S1 28.84 OTHERS) Pole S2 28.84 Pole S3 28.84 Pole S4 28.84			
H _		POLE CIRCUIT DESCRIPTION S1 Soccer	CUIT SUMMARY BY ZONE# OF FIXTURES# OF DRIVERS*FULL LOAD AMPSCONTACTOR SIZE (AMPS)CONTACTOR IDZONE131328.830C11	1 1 C6 1 1 C7 1 1 C8	Pole S2 1.73 Pole S3 1.73 Pole S4 1.73			
G		S2SoccerS3SoccerS4SoccerS1AreaS2AreaS3Area	13 13 28.8 30 C2 1 13 13 28.8 30 C3 1 13 13 28.8 30 C4 1 2 1 1.7 30 C5 2 2 1 1.7 30 C6 2 2 1 1.7 30 C6 2 2 1 1.7 30 C7 2	ZONE SELECTOR ZONE I SWITCH	CIRCUIT DESCRIPTIONDESCRIPTIONPOLE IDCONTACTORIDIDSoccerS1S2C2S3C3			
_		S4 Area *Full Load Amps based on amps per driver.	2 1 1.7 30 C8 2	Zone 2 2	S4 C4 Area S1 C5 S2 C6 S3 C7 S4 C8 C8 C8			
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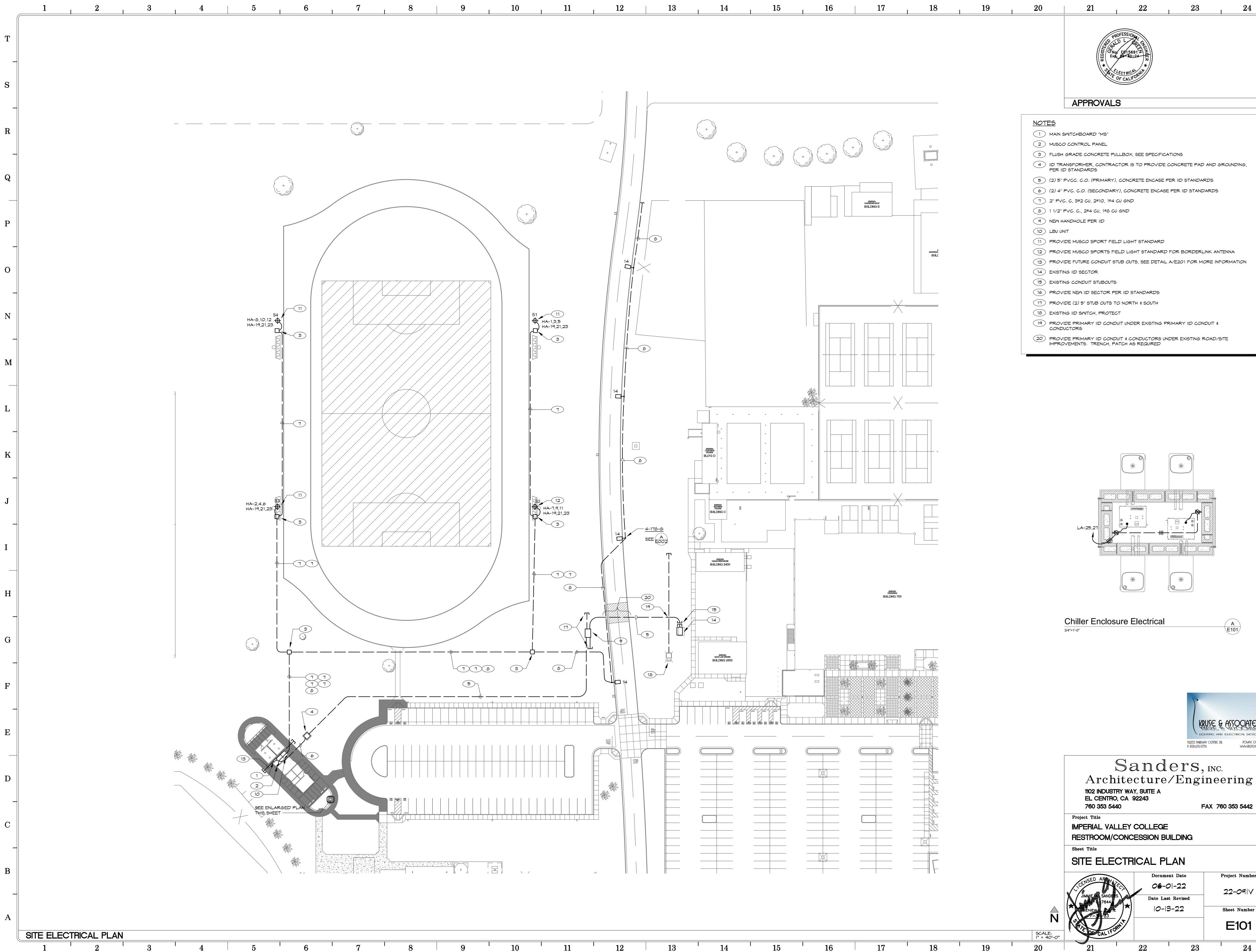




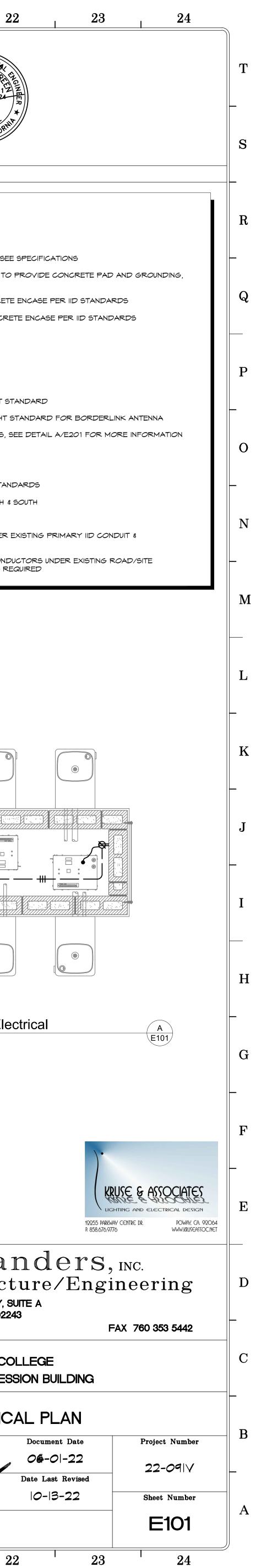


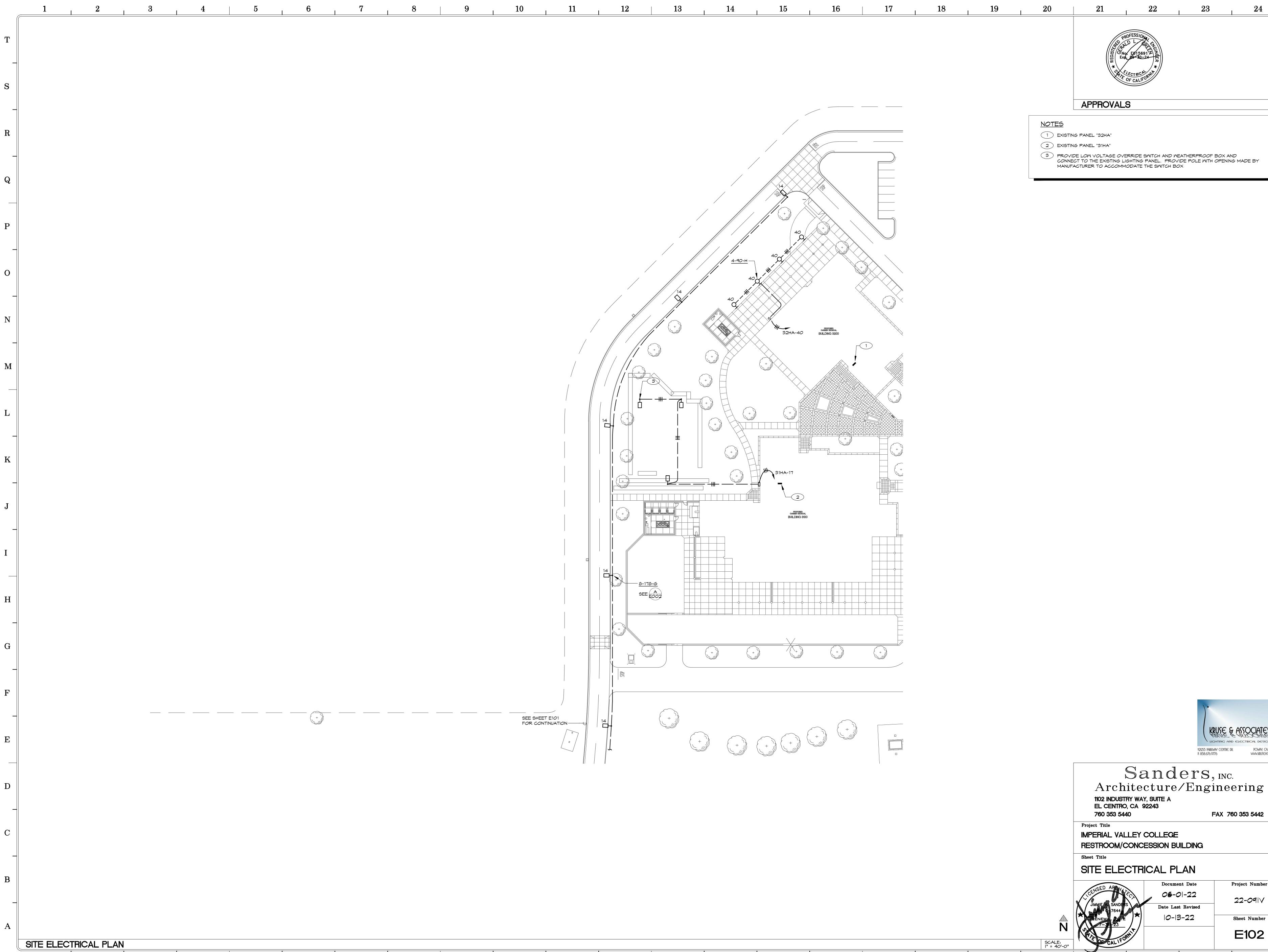


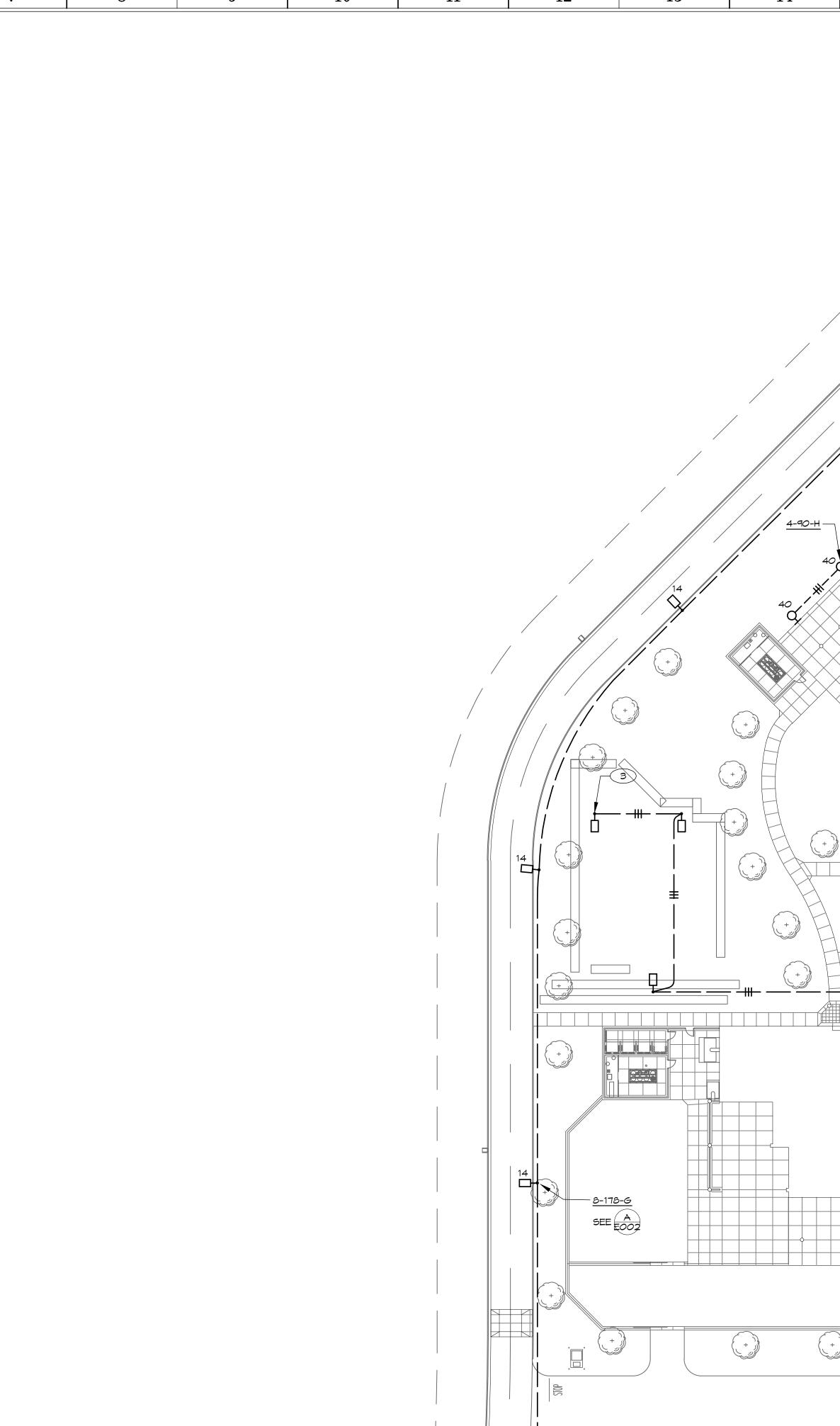
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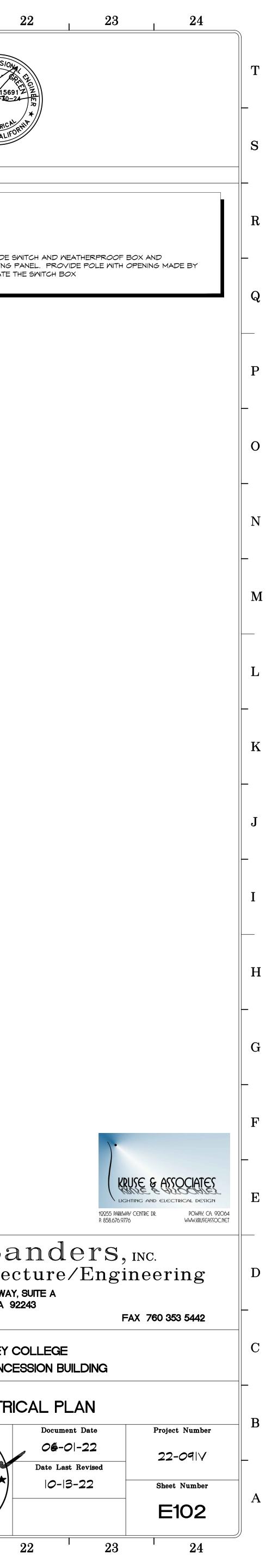
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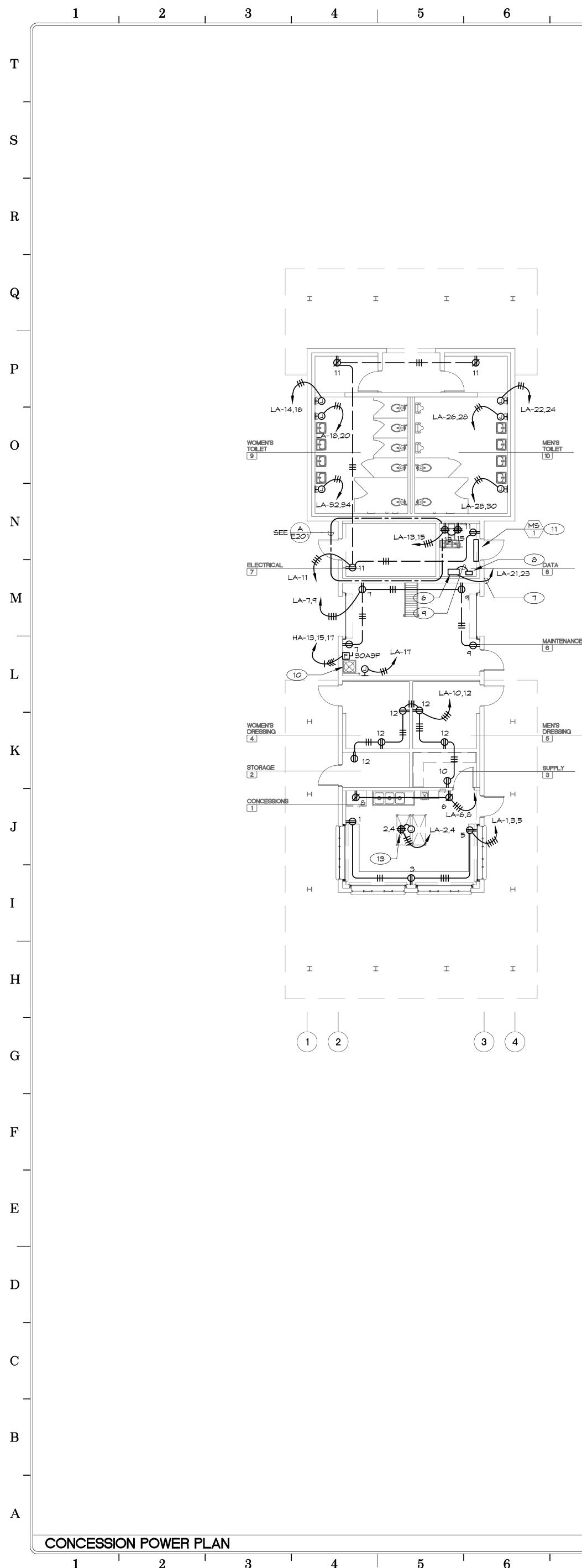




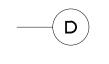


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				2 EXISTIN 3 PROVI CONNE	APPROVALS NG PANEL "32HA" NG PANEL "31HA" IDE LOW VOLTAGE OVERRIDE SM ECT TO THE EXISTING LIGHTING PA FACTURER TO ACCOMMODATE TH
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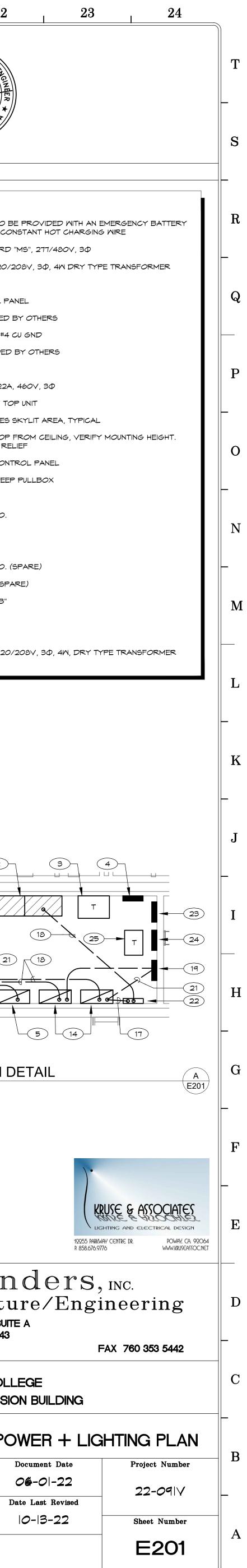


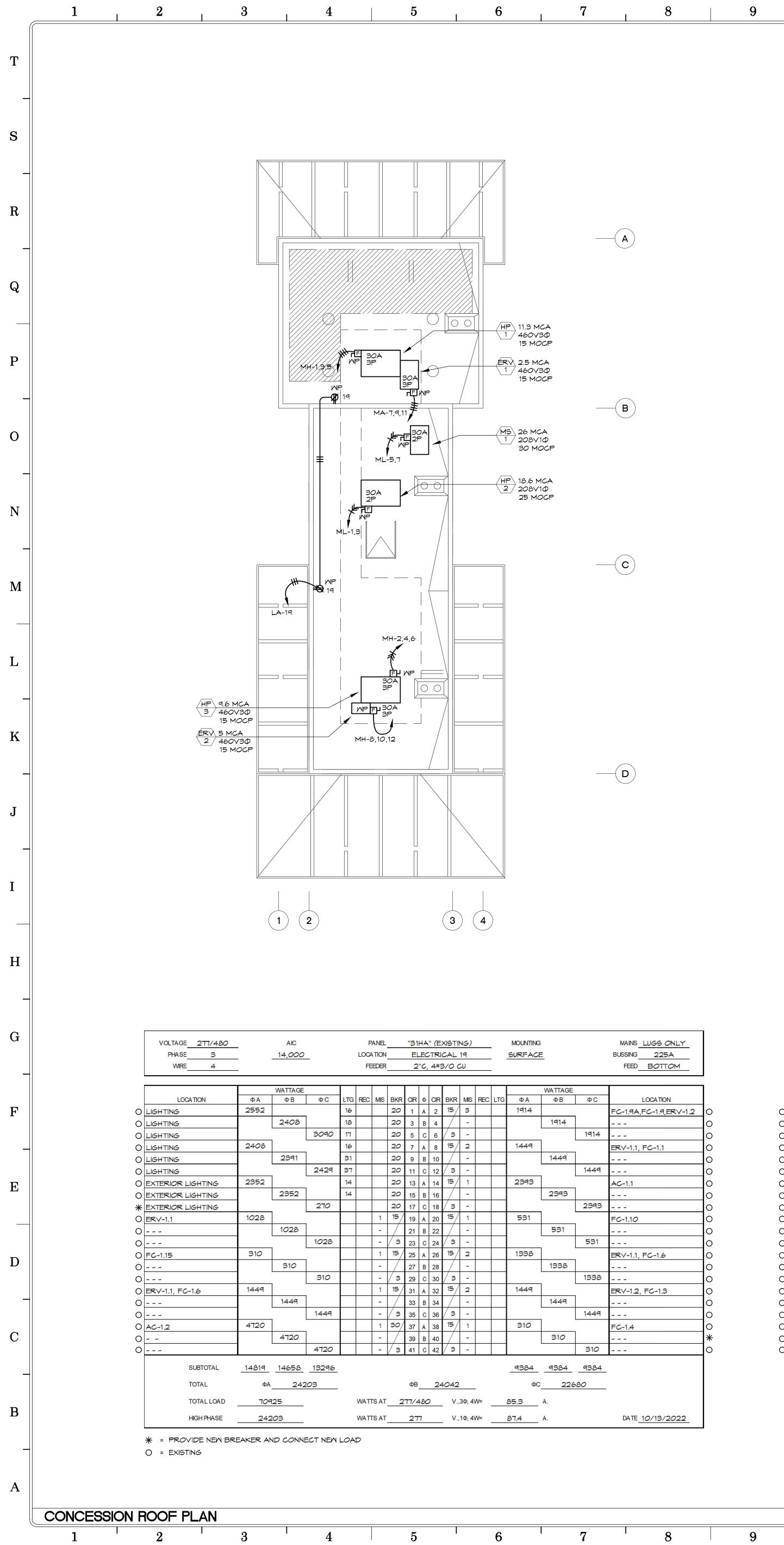


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								PROFESSION PROFESSION
								APPROVALS
								NOTES 1 THIS FIXTURE IS TO BE PROVIDED WITPACK. PROVIDE CONSTANT HOT CH. 2 MAIN SWITCHBOARD "MS", 2TT/480V 3 T5 KVA 480V//120/208V, 3Φ, 4WI DR 4 PANEL "LA" 5 MUSCO CONTROL PANEL 6 LBU UNIT PROVIDED BY OTHERS 1 11/2" C, 3#2 CU, 1#4 CU GND 8 GPS UNIT PROVIDED BY OTHERS 9 1" C.O. 10 WATER HEATER, 22A, 460V, 3Φ 11 FED FROM ROOF TOP UNIT 12 SHADING INDICATES SKYLIT AREA, TO
WOMEN'S TOLET 9 2-4 1-2 1-2		¥# LA-40		42 MEN'S TOLET 10 2-90-E 1-25-C 12 DATA 8 1-45-F	B			 13 RECEPTACLE DROP FROM CEILING, YPROVIDE STRAIN RELIEF 14 FUTURE MUSCO CONTROL PANEL 15 36" x 60" x 24" DEEP PULLBOX 16 (8) 2" PVC. C.O. 17 (8) 1 1/2" PVC. C.O. 18 4" PVC. C.O. 19 A" PVC. C.O. 19 PANEL "HA" 20 (6) 1 1/2" PVC. C.O. (SPARE) 21 (6) 4" PVC. C.O. (SPARE) 22 FUTURE PANEL "HB" 23 PANEL "MH" 24 PANEL "ML" 25 165 KVA 480V//120/208V, 3Φ, 4W, 1 ABOVE PANEL
WOMENS DRESSIN 4 1-4 STORAG 2 1-4 CONCES				MAINTENANCE 6 <u>4-45-F</u> MEN'S DRESSING 5 <u>1-45-F</u> SUPPLY 3 <u>1-45-F</u>	C			
1 <u>2-1</u>								
	1 2		3 4					ELECTRIC ROOM DETAIL
LIGH	TING NOTE							
V	MOUNTING HEIGHT OF ALL	CONTROLI						
SYMBOL RI M S ^P A T	LOAD CONTROLLER #L CEILING MOUNT OCCUP WALL MOUNTED MOTIC DIMMING SWITCH #LMD TIME CLOCK #LMZC-30	°ANCY SENSOR #LM: DN SENSOR #PW100 PM-101						Sander Architecture/En 1102 INDUSTRY WAY, SUITE A EL CENTRO, CA 92243 760 353 5440
	CEILING MOUNT OCCUP	ANCY SENSOR #DT	-355					Project Title IMPERIAL VALLEY COLLEGE RESTROOM/CONCESSION BUILDIN Sheet Title CONCESSION POWER + Document Date OG-0 -22 Date Last Revised IO-I3-22
N 13	14	15	16	17	18	19	scale 1/8" = 1	21 22

SCALE: 1/8" = 1'-0"
CONCESSION LIGHTING PLAN





10	1	11		12)		13			14			15	1	16		17	I	18		1	19	[20			21	I	22
																													*	ESS/ON L SPATILO ESTRICAL STRICAL CALIFORNIA
VOLTAGE 277/480	_	AIC			PANEL		"HA"			MOUNTING			MAINS	LUGS ONL	_Y															CALI
PHASE 3	_	14,000	9	LO		ELE	CTRIC RO	OOM		SURFACE			BUSSING	400A																
WIRE4	_				EEDER	SEE	SINGLE	LINE					FEED_															PRO	VALS	
	1	WATTAGE		T T		— — —					WATTAGE		-																	
LOCATION	ΦA	ΦB	ΦC	LTG RE	C MIS BK	RCIR		R MIS F	REC LTG	ΦA	ΦB	ΦC	_	LOCATION																
POLE "S1"	7978		_		1 40) 1 /	A 2 40	2/1		879		_	POLE "S	3"																
		7978			- /	3		-			7978																			
		-	7978		- / :	3 5	/	_				7978																		
POLE "52"	7978		_		1 40		A 8 40	2/1		7978		_	POLE "S	4"																
		7978			- /	9		-			7978							VOLTAGE 277/4	480		AIC					"MH"			MOUNTING	
		_	7978		- / :	3 11 1	C 12 / 3	3 -				7978						PHASE 3 WIRE 4		-	10,000			EEDER		ECTRIC E SINGL			SURFACE	<u>=</u>
WATER HEATER	6000		7		1 40	/		>	9	1602		т	ROADW	AY		*							1		JLL					
		6000			- /		B 16 O	_		L	-		SPACE								WATTAGE	6								WATTAGE
	_	-	6000			3 17						-	SPACE					LOCATION	F	ΦA	ΦB	ΦC	LTG REC	MIS BI	KR CIR	Φ CIR	BKR MIS	REC LTG	ΦA	ΦB Φ
AREA LTG	1884		7	6	1 15	/	A 20 O			-		т	SPACE				HP-	1		2504		•		1 15	4		15 1		2127	
	_	1884		-	- /		B 22 O			L	-		SPACE					-			2504]		- /	3	B 4	/ -			2127
	_	7	1884	-	/	3 23						-	SPACE					-		-		2504		- /	3 5	C 6	3 -			21
SPACE ONLY	-		7				A 26 O			-		-	SPACE				ERV	/-1		554				1 15	5 / 7	A 8	15 1		1108	
SPACE ONLY	_	-		+ $+$		27		_		L	-		SPACE					-			554			- /	9	B 10	/ -			1108
SPACE ONLY		7	-			29						-	SPACE					-				554		- /	3 11	C 12	3 -			11
SPACE ONLY	-		Т			31				-		Т	SPACE				TRA	ANSFORMER		3710				1 30	0/13		0		-	
SPACE ONLY		-		+ $+$			B 34 O			L	-		SPACE								1547			- /			0			-
SPACE ONLY		Т	-	+ +		35		_				-	SPACE					-				2163			з 17		0			
SPACE ONLY	-		Т		~	37				-		Т	SPACE				SPA	ACE ONLY		-		-			0 19				-	
SPACE ONLY	4	-				39	_	_		L	-		SPACE				SPA	ACE ONLY		Ī	-				0 21		0			-
SPACE ONLY			-		C	41	C 42 O					-	SPACE	ONLY			SPA	CE ONLY		_		-		(0 23	C 24	0			
SUBTOTAL	23840	23840	23840							17558	15956	15956	>					SUBTOTAL	L	6768	4605	5221							3235	3235 32
TOTAL	ΦA	413	398			ФВ_	3979	6		ΦC	39	196	_					TOTAL	-	ФА		003			ФВ	78	40		ΦC	
TOTAL LOAD	120	0990		WA	TTS AT	277/48	0	√.,3Φ, 4W	/=1	45.5	۹.							TOTAL LO	DAD	262			WAT	TS AT	277/4			V=	31.6	
HIGH PHASE	41	398		WA	TTS AT	277	N	V.,1Φ, 4₩	/=1	49.5	۹.		DATE	6/24/202	22			HIGH PHAS	_	1000				TS AT					36.1	

* = ROUTE CIRCUIT THROUGH 20A1P TIME CLOCK

VOLTAGE 120/208	_	AIC			P	ANEL				"LA	\ "			-	MOUNTING	6
PHASE 3		10,000	_		LOCA			EL	ECT		RO	OM			SURFAC	<u>E</u>
WIRE 4	_				FE	EDER		SE	ES	BING	LE L	INE		-		
	I												1	1		
LOCATION	ΦΑ	WATTAGE	ΦC	LTG	REC	MIS	BKR	CIR	Φ	CIR	BKR	MIS	REC	LTG	ΦA	WATTAGE
CONCESSIONS	1500	+ D	+0		1	WIE	20	1	A	2	20	WIIO	1		1500	+5
CONCESSIONS		1500	[1		20	3	В	4	20		1			1500
CONCESSIONS			1500		1		20	5	С	6	20		1			
MAINTENANCE	1000				2		20	7	A	8	20		1		1000]
MAINTENANCE		1000			2		20	9	В	10	20		1			1000
MISC. RECEPTACLE			720		4		20	11	С	12	20		5			L
DATA	1000				1		20	13	A	14	20/	1			1500]
DATA		1000			1		20	<mark>15</mark>	В	16	/2	-				1500
WH CONTROL			250			1	15	17	С	18	20/	1				
ROOF RECEPTACLE	360				2		15	19	A	20	/2	-			1500	
LBU		7800					100/	21	В	22	20/	1				1500
			7800				/ 2	23	С	24	/2	-			1	
CHILLER	700				1		15	25	A	26	20/	1			1500	
CHILLER		700			1		15	27	В	28	/ 2	-				1500
SPACE ONLY			Ŧ				0	29	С	30	20/	1				_
SPACE ONLY	-						0	31	A	32	/ 2	١			1500	
SPACE ONLY		-					0	33	В	34	20/	1				1500
SPACE ONLY			1				0	35	С	36	/ 2	-				_
SPACE ONLY	-						0	37	A	38	20				500	
SPACE ONLY		-					0	39	В	40	20					-
SPACE ONLY			-				0	41	С	42	20					
SUBTOTAL	4560	12000	10270												9000	8500
TOTAL	ΦΑ	135	60					ΦВ		20	0500		-		ΦΟ	: 18
TOTAL LOAD	522	30			WATI	SAT	12	20/2	208	3	V.,	3Φ, 4 ^v	VV=	1	145.0	Α.
HIGH PHASE	205	00			WATT	SAT		120	2		V.,	1Φ, 4 ^v	√ /=		170.8	Α.

* = ROUTE CIRCUIT THROUGH 20A1P TIME CLOCK

VOLTAGE 277/480	-	AIC			PA	ANEL		"32	HA"	(EX		NG)			MOUNTING			MAINS	LUGS ONLY
PHASE 3	_	14,000	_		LOCA			EL	ECT	RIC	AL 2	22			SURFACE	1		BUSSING	225A
WRE 4	_				FEE	EDER		2'	'C, -	4#3	100	U						FEED_	BOTTOM
	1	WATTAGE														WATTAGE		T	
LOCA TION	ΦA	ФВ	ΦC	LTG	REC	MIS	BKR	CIR	Φ (CIR	BKR	MIS	REC	LTG	ΦA	ΦB	ΦC		LOCATION
LIGHTING	2604			14			20	1	A	2	15/	2			1338			ERV-2.1,	FC-2.7
LIGHTING	_	2625		13			20	3	В	4		-				1338			
LIGHTING			4157	27			20	5	С	6	з	-					1338		
LIGHTING	2281			8			20	7	A	8	15	1			421		-	FC-2.6	
EXTERIOR LIGHTING		3604		24			20	9	В	10		I				421			
LIGHTING			2108	18			20	11	С	12	з	I					421		
LIGHTING	3643] .		.27			20	13	A	14	20/	1			2371			AC-1	
SPACE ONLY							0	15	В	16		I				2371			
SPACE ONLY			-				0	17	С	18	з	I					2371		
ERV-2.2, FC-2.2	1803] '				2	15 /	19	A	20	15/	2			1338] (ERV-2.1,	FC-2.8
		1803				-		21	В	22		I				1338			
	1	L	1803			- /	3	23	С	24 /	з	•					1338		
ERV-2.1, FC-2.4	1338] '				2	15 /	25	A	26	15 /	2			1338] '	L	ERV-2.1,	FC-2.5
		1338				-		27		28		ı				1338			
			1338			-)	3	29		30	з	1					1338		
ERV-2.1, FC-2.3	1338] '				1	20/	31		32	15/	2			1649] '	11	ERV-2.2	FC-2.3, 2.4
		1338				-		33		34		-				1649			,
			1338			-)	3	35	_	36 /	з	I.					1649		
SPACE ONLY	-] '				Í	0	37		38	0				-	1 '		SPACE C	
SPACE ONLY	1	-					0	39		_	20					164		EXTERIO	
SPACE ONLY			-				0	41		-	0						-	SPACE C	
SUBTOTAL	13007	10708	10744	•											8455	8619	8455		
TOTAL	ФА	214	62					ΦΒ		19	327				ФС	191	99	r.	
TOTAL LOAD	599	188			WATT	S AT	2	17/4	80		V.,	3Φ, 4\	// =		72.2	A.			
HIGH PHASE	214	62		1	WATT	S AT		27	1		V.,*	1 Φ , 4\	N=		77.5	Α.		DATE	5/31/2022

* = ROUTE THIS CIRCUIT THROUGH EXISTING TITLE 24 CONTROL PANEL, PROVIDE NEW BREAKER O = EXISTING

		MAINS LUGS ONLY BUSSING 225A FEED BOTTOM	
			1
GE	ΦC	LOCA TION	
	+0	FC-1.9A,FC-1.9,ERV-1.2	
4			
	1914		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		ERV-1.1, FC-1.1	
9			$\overline{0}$
	1449		$\overline{0}$
		AC-1.1	$\overline{0}$
3			$\overline{0}$
	2393		$\overline{0}$
		FC-1.10	$\overline{0}$
			$\tilde{0}$
	531		
	L	ERV-1.1, FC-1.6	
8			$\overline{\mathbf{a}}$
_	1338		
		ERV-1.2, FC-1.3	
9			
	1449		
		FC-1.4	$\overline{0}$
)			*
	310		0
4	9384		
226	80		
		DATE 10/13/2022	
			1

— (A)

— B

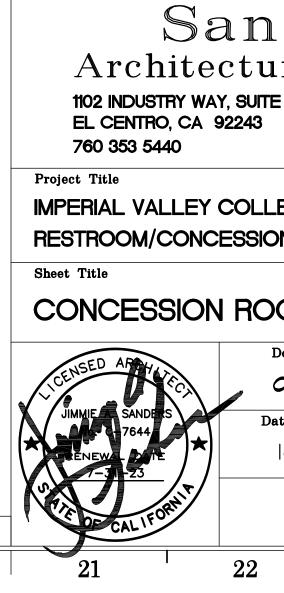
— **C**

— **D**

7	8	9	10	11	12	13	14

		MAINS 225A 3P
		BUSSING 225A
		FEED
GE		
3	ΦC	LOCATION
		CONCESSIONS
0		CONCESSIONS
	1000	CONCESSIONS
		CONCESSIONS
0		SUPPLY
	900	DRESSING, STORAGE
		HAND DRYER
0		
	1500	HAND DRYER
0		HAND DRYER
	1500	
		HAND DRYER
0		
	1500	HAND DRYER
0		HAND DRYER
	1500	
		MUSCO CONTROL PNL
		LIGHTING
	-	EXT. LIGHTING
0	7000	
0	7900	
181	70	
		DATE 5/31/2022

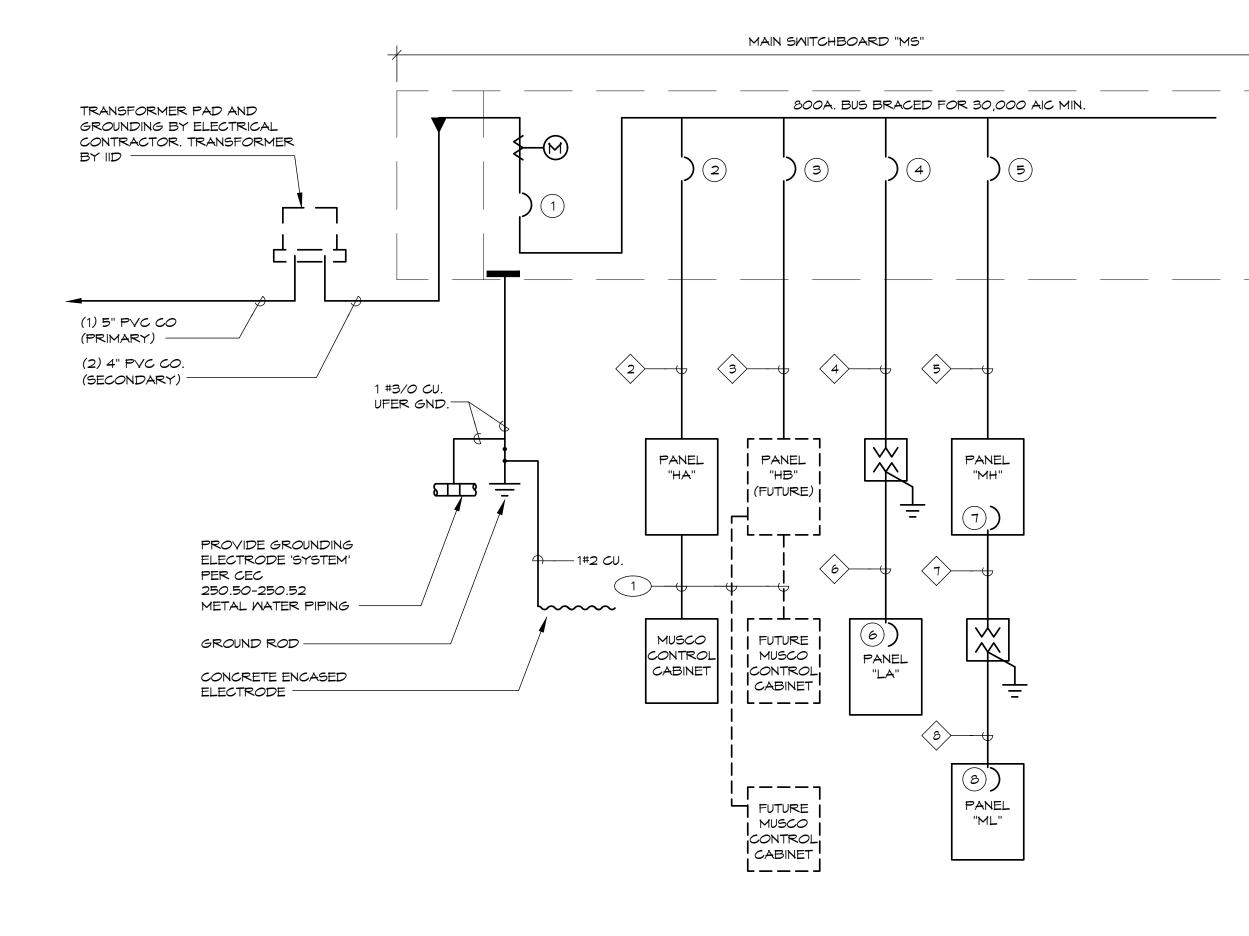
17	18	19	20	21	22		24))
				SUBAL SUBAL	/ +//			T
				APPROVALS	CALIFORNIA			S
								R
VOLTAGE PHASE WIRE	277/480 3 4	AIC 10,000	PANEL "MH LOCATION ELECTRIC FEEDER SEE SINGL	ROOM SURFACE		MAINS LUGS ONLY BUSSING 100A FEED BOTTOM	r	
LOCATIO HP-1 	ΟΝ ΦΑ 2504	WATTAGE Φ B Φ C LT 2504 2504	G REC MIS BKR CIR Φ CIR 1 15 1 A 2 - 3 B 4 - 3 5 C 6	BKR MIS REC LTG ΦA 15 1 2127 - 3 -		LOCATION HP-3 		Q
ERV-1 TRANSFORME	R 3710	554 554	- 9 B 10 - 3 11 C 12 1 30 13 A 14	15 1 1108 - - 3 - 0 - 0 -	1108 1108	ERV-2 SPACE ONLY SPACE ONLY		Р
SPACE ONLY SPACE ONLY SPACE ONLY			- 15 B 16 - 3 17 C 18 0 19 A 20 0 21 B 22 0 23 C 24		-	SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY		0
тот	ΤΑL ΦΑ ΤΑL LOAD <u>262</u>	299	WATTS AT 277/480	040 ΦC V.,3Φ, 4W= <u>31.6</u>	Α.			
HIG	H PHASE <u>100</u>	203	WATTS AT 277	V.,1Ф, 4W= <u>36.1</u>	A.	DATE <u>5/31/2022</u>	2	
VOLTAGE 1 PHASE	1 <u>20/208</u> 3	AIC 10,000	PANEL "ML" LOCATION ELECTRIC			MAINS <u>50A 3P</u> BUSSING 100A	_	Μ
	4	WATTAGE	FEEDER SEE SINGL		WATTAGE Φ B Φ C	FEED TOP		L
 M5-1 SPACE ONLY	2163	1547 2163 -	- 2 3 B 4 1 30 5 C 6 - 2 7 A 8 0 9 B 10	0		SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY		K
тот	ВТОТАL <u>3710</u> TAL ФА TALLOAD 74.		ФВ 15 WATTS AT 120/208	<u>ο</u> <u>-0</u> 547 ΦC V.,3Φ, 4W= 20.6	<u>0</u> <u>0</u> 2163	SPACE ONLY		
HIG	SH PHASE 37	110	WATTS AT 120	V.,1Ф, 4W= <u>30.9</u>	Α.	DATE <u>5/24/202</u> 2	2	1
								I
								– H
								_
								G
								F
						1 100	NG AND ELECTRICAL DESIGN ENTRE DR. POWAY, CA. 92064 WWW.KRUSEASSOC.NET	E
				Archit	tecture	ers, /Engin	^{NC.} Neering	D
				1102 INDUSTRY EL CENTRO, C 760 353 5440 Project Title	CA 92243		x 760 353 5442	
				IMPERIAL VALL RESTROOM/CC Sheet Title	NCESSION B	UILDING		C
				CONCESSION CONCESSION	Docum	PLAN nent Date 0 -22	Project Number 22-09	B
			N	JIMMIE SANDERS 7644 VEENEWAL DATE 7-31-23	★ 10-1	ast Revised 3-22	Sheet Number	
17	18	19	SCALE: 1/8" = 1'-0" 20	21	22	23		J



15 16 17 18 19 20 21 22 23 24

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	1	2	3	4	5	6





POWER SINGLE LINE DIAGRAM

NO	SCALE

[LOAD RECAP
	NOTES	PANEL "HA"
		PANEL "HB"
	(1) SEE SITE PLAN AND BUILDING PLAN FOR CONDUITS	PANEL "LA"
		PANEL "MH"

DEVICE	C.B. OR FUSE S.W. SIZE SIZE	FUSE	FUSE	FUSE	FUSE		FUSE	FUSE	FUSE	FEEDER	CONDUITS & CONDUCTORS							
NUMBER		SIZE	TYPE	NUMBER	CONDUIT TYPE	CONDUIT SIZE	CNDCTR. QUANTITY	CNDCTR. SIZE	CNDCTR. TYPE	GND. CU.	LENGTH	0/0 V.D.						
(1)	600A 3P	_	_	$\langle 1 \rangle$	_	_	_	_	_	_								
	BOUR DF	-	-		-	-	_	_	-	-	-	-						
2	300A 3P	-	-	2	PVC	4"	4	350 MCM	CU	2	-	-						
3	100A 3P	-	-	3	PVC	1 1/2"	-	-	-	-	-	-						
4	100A 3P	-	-	4	PVC	1 1/2"	з	2	CU	8	-	-						
5	100A 3P	-	-	5	PVC	1 1/2"	4	2	CU	8	-	-						
6	225A 3P	-	-	6	PVC	2"	4	4/0	CU	2	-	-						
(7)	30A 3P	-	-	< <u> 7</u>	EMT	1"	з	10	CU	12	-	-						
3	50A 3P	-	-	8	EMT	1 1/2"	4	4	CU	8	-	-						

1.	VEF RAT
2.	HØI LES
З.	COI UTIL COI
4.	ALL WIT SIZE CAE COI EXT
5.	ALL
6.	EAC SEC
٦.	ALL ACC
8.	ALL
9.	F0F L00 'L00
10.	PUL FAC PAF

7

10

13

15	16

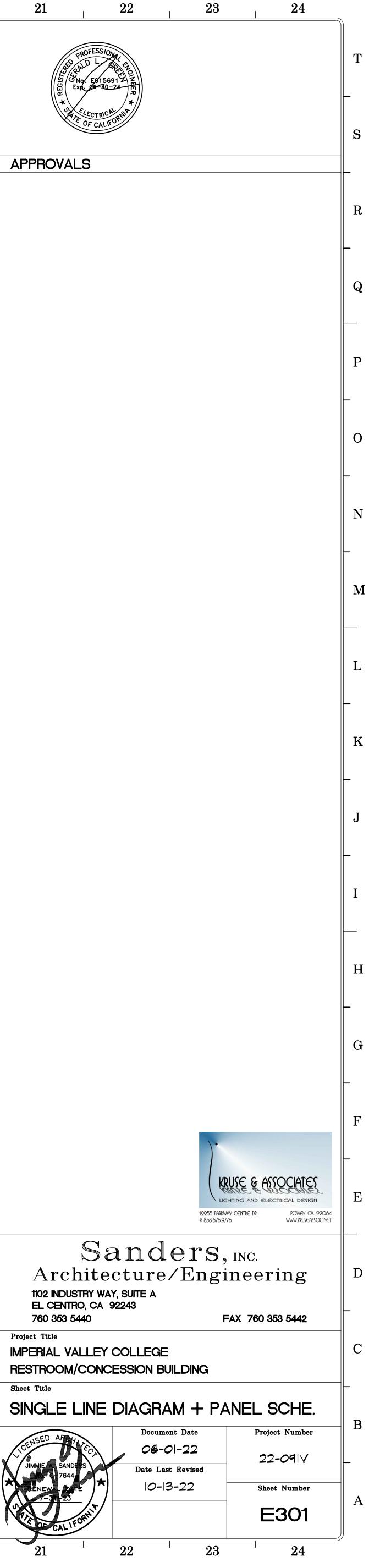
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17

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19

20



ACTORY SPECIFICATIONS OR TO BE CERTIFIED BY A NRTL CERTIFIED THIRD ARTY TESTING LABORATORY.

OCK-OFF' DEVICE. ULL SECTION TAPS ARE TO BE FACTORY INSTALLED, FIELD INSTALLED PER

LL MAIN SERVICE CIRCUIT BREAKERS SHALL BE 100% RATED. OR ALL PANELBOARDS SUPPLYING FIRE ALARM EQUIPMENT, PROVIDE OCKABLE COVER, INDENTIFIED CIRCUIT BREAKER (RED), AND A BREAKER

ACH TRANSFORMER SHALL USE THE NEAREST ELECTRODE AS THE ECONDARY GROUNDING SYSTEM. (I.E. BUILDING STEEL, COLD WATER PIPE.) LL TERMINATION LUGS OF PANELS AND SWITCHBOARDS TO BE RATED TO CCEPT 75 DEGREE CONDUCTORS.

XTERIOR LOCATION PANEL FEEDERS. LL EQUIPMENT SHOWN IS NEW UNLESS NOTED OTHERWISE.

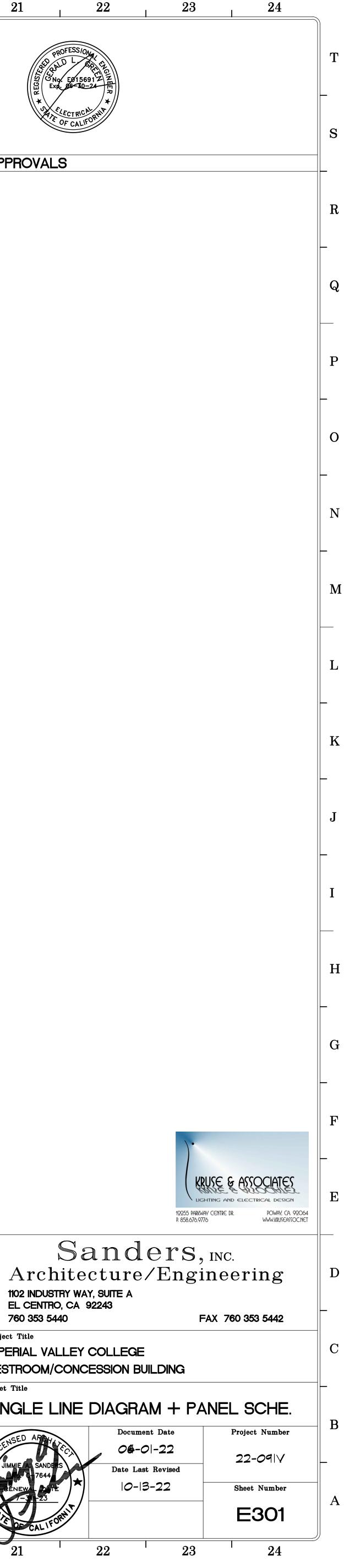
L CONDUCTORS FEEDING PANELBOARDS SHALL BE COPPER TYPE 'THWN' ITH EMT OR PVC CONDUIT. BRANCH CIRCUIT AND FEEDER CABLES IN ALL ZES SHALL HAVE 'THW', 'THHN' OR 'THWN' INSULATION WITH EMT CONDUIT. AC ABLE IS NOT ALLOWED TO BE INSTALLED. A EQUIPMENT GROUND ONDUCTOR SHALL BE IN ALL FLEXIBLE CONDUITS. 'XHHW' TO BE USED AT ALL

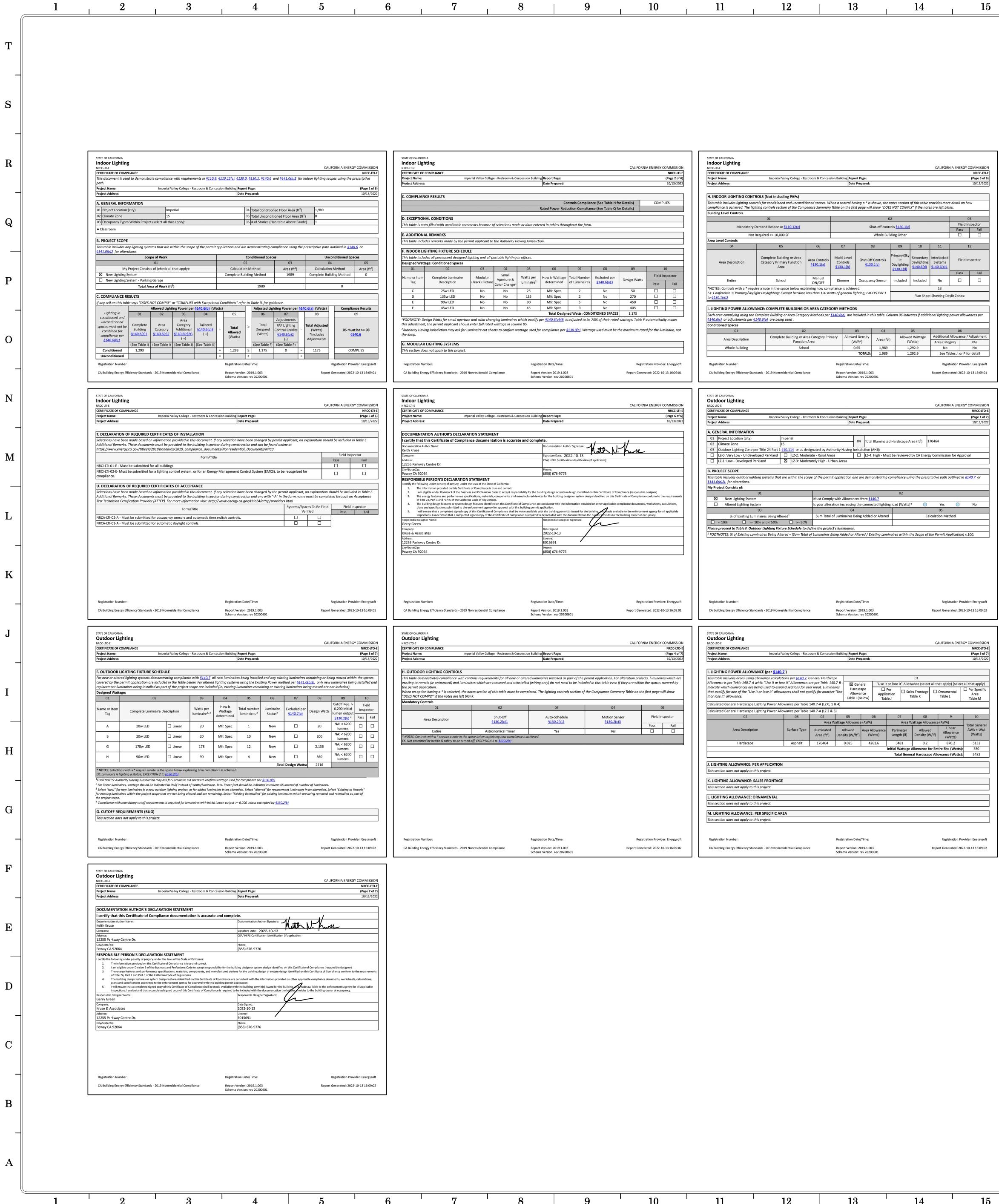
ESS THAN THE NOTED AIC RATED VALUE. ONTRACTOR SHALL SUBMIT SWITCHBOARD SHOP DRAWINGS TO THE SERVING FILITY FOR APPROVAL PRIOR TO FABRICATION. SWITCHBOARD SHALL OMPLY WITH IID REQUIREMENTS.

ATING OF THE MAIN HORIZONTAL BUS. ORIZONAL AND VERTICAL BUS SHALL BE FULL LENGTH, AND BE RATED NO

SINGLE LINE DIAGRAM NOTES ERTICAL BUS MAY BE TAPERED TO NOT LESS THAN 1/3 THE AMPACITY

115338 M 100000 M 50830 M 26299 M ΤΟΤΑL 292467 M = 352 A @ 277/480, 3Φ



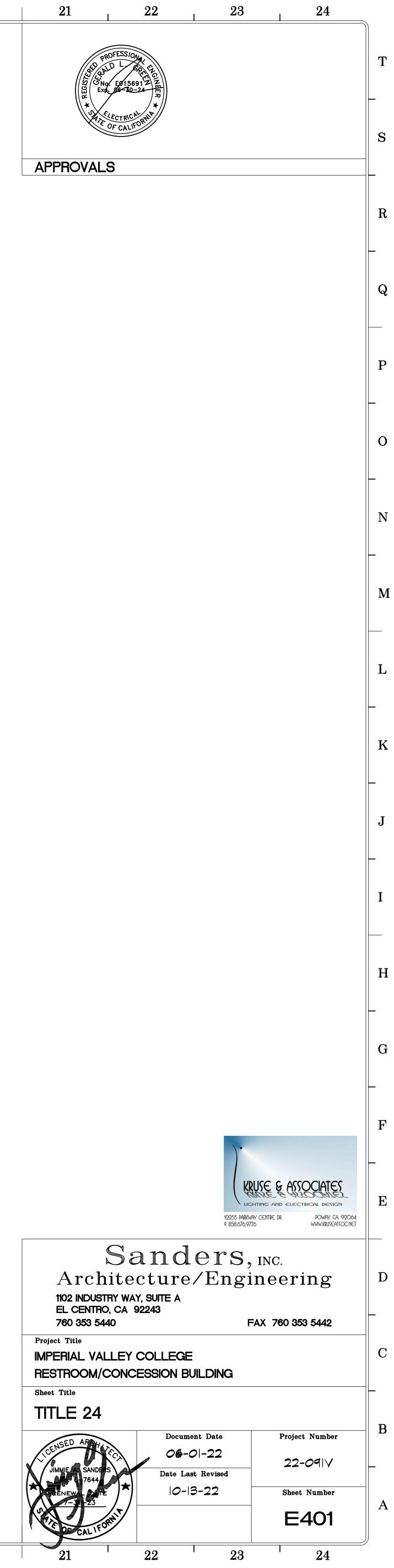


	STATE OF CALIFORNIA Indoor Lighting
CALIFORNIA ENERGY COMMISSION CE Imperial Valley College - Restroom & Concession Building Report Page: (Page 2 of 6)	NRCC-LTI-E CALIFORNIA ENERGY CERTIFICATE OF COMPLIANCE Project Name: Imperial Valley College - Restroom & Concession Building Report Page:
Date Prepared: 10/13/2022	Project Address: Date Prepared:
TS Controls Compliance (See Table H for Details) COMPLIES Rated Power Reduction Compliance (See Table Q for Details)	H. INDOOR LIGHTING CONTROLS (Not including PAFs) This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on h compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.
DITIONS	Building Level Controls 01 02 Field I Field I
ith uneditable comments because of selections made or data entered in tables throughout the form. RKS	Mandatory Demand Response \$110.12(c) Shut-off controls \$130.1(c) Pass Not Required <= 10,000 SF
ks made by the permit applicant to the Authority Having Jurisdiction. IXTURE SCHEDULE	Area Level Controls 04 05 06 07 08 09 10 11
manent designed lighting and all portable lighting in offices. itioned Spaces 02 03 04 05 06 07 08 09 10	Area Description Complete Building or Area Category Primary Function Area Area Controls \$130.1(a) Multi-Level Controls \$130.1(b) Shut-Off Controls \$130.1(c) Primary/Sky Il \$130.1(c) Secondary Daylighting \$130.1(d) Interlocked Systems Field I
Dete Luminaire Description Modular (Track) Fixture Color Change ¹ Watts per Luminaire ² How is Wattage determined determined for Luminaires Excluded per <u>\$140.6(a)3</u> Pass Fail	Image: Second system Manual ON/OFF Dimmer Occupancy Sensor Included Included No Image: Second system *NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. 0 13
25w LED No No 25 Mfr. Spec 2 No 50 I I 135w LED No No 135 Mfr. Spec 2 No 270 I I 90w LED No No 90 Mfr. Spec 5 No 450 I I	EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 Plan Sheet Showing Daylit Zones:
45w LED No No 45 Mfr. Spec 9 No 405 □ □ Total Designed Watts: CONDITIONED SPACES 1,175	I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS Each area complying using the Complete Building or Area Category Methods per <u>\$140.6(b)</u> are included in this table. Column 06 indicates if additional lighting power allow
's for small aperture and color changing luminaires which qualify per <u>§140.6(a)4B</u> is adjusted to be 75% of their rated wattage. Table F automatically makes iit applicant should enter full rated wattage in column 05. :tion may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>§130.0(c)</u> Wattage used must be the maximum rated for the luminaire, not	§140.6(c) or adjustments per §140.6(a) are being used. Conditioned Spaces 01 02 03 04 05 06
G SYSTEMS	Area Description Complete Building or Area Category Primary Function Area Allowed Density (W/ft ²) Area (ft ²) Allowed Wattage (Watts) Additional Allowance / Area Category Whole Building School 0.65 1,989 1,292.9 No
ly to this project.	TOTALS: 1,989 1,292.9 See Tables J, or P f
cy Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-10-13 16:09:01 Schema Version: rev 20200601	Registration Number: Registration Date/Time: Registration Provid CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-1 Schema Version: rev 20200601 Schema Version: rev 20200601
	state of california Outdoor Lighting
CALIFORNIA ENERGY COMMISSION CE Imperial Valley College - Restroom & Concession Building Report Page: (Page 6 of 6)	NRCC-LTO-E CALIFORNIA ENERGY CERTIFICATE OF COMPLIANCE
Imperial Valley College - Restroom & Concession Building Report Page: (Page 6 of 6) Date Prepared: 10/13/2022	Project Name: Imperial Valley College - Restroom & Concession Building Project Address: Date Prepared:
THOR'S DECLARATION STATEMENT ficate of Compliance documentation is accurate and complete.	A. GENERAL INFORMATION 01 Project Location (city) Imperial 02 Climate Zone 15
Documentation Author Signature: Signature Date: 2022-10-13 CEA/ HERS Certification (If applicable):	03 Outdoor Lighting Zone per Title 24 Part 1 \$10.114 or as designated by Authority Having Jurisdiction (AHJ): □ LZ-0: Very Low - Undeveloped Parkland □ LZ-2: Moderate - Rural Areas □ LZ-4: High - Must be reviewed by CA Energy Commission for Approx □ LZ-0: Very Low - Undeveloped Parkland □ LZ-2: Moderate - Rural Areas □ LZ-4: High - Must be reviewed by CA Energy Commission for Approx
Cerviens Cer	LZ-1: Low - Developed Parkland IZ-3: Moderately High - Urban Areas B. PROJECT SCOPE This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §
nalty of perjury, under the laws of the State of California: ovided on this Certificate of Compliance is true and correct. 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)	§141.0(b)2L for alterations. My Project Consists of: 02
s and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements nd Part 6 of the California Code of Regulations. features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, ions submitted to the enforcement agency for approval with this building permit application.	New Lighting System Must Comply with Allowances from <u>\$140.7</u> Altered Lighting System Is your alteration increasing the connected lighting load (Watts)?
completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and hade available to the enforcement agency for all applicable stand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Designer Signature:	03 04 05 % of Existing Luminaires Being Altered ¹ Sum Total of Luminaires Being Added or Altered Calculation Method < < 10%
Date Signed: 2022-10-13 License:	Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires. ¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x
E015691 Phone: (858) 676-9776	
Registration Date/Time: Registration Provider: Energysoft cy Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-10-13 16:09:01 Schema Version: rev 20200601 Schema Version: rev 20200601 Schema Version: rev 20200601	Registration Number: Registration Date/Time: Registration Provid CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-1 Schema Version: rev 20200601 Schema Version: rev 20200601 Report Generated: 2022-1
CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E CALIFORNIA ENERGY
CE NRCC-LTO-E Imperial Valley College - Restroom & Concession Building Report Page: (Page 4 of 7) Date Prepared: 10/13/2022	CERTIFICATE OF COMPLIANCE Project Name: Imperial Valley College - Restroom & Concession Building Report Page: Project Address: Date Prepared:
G CONTROLS compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are ouched) 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	I. LIGHTING POWER ALLOWANCE (per §140.7) This table includes areas using allowance calculations per §140.7, General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B.
* 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 the notes are left blank.	Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
02 03 04 05 Shut-Off Auto-Schedule Motion Sensor Field Inspector	Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4) Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3) 02 03 04 05 06 07 08 9
iption §130.2(c)1 §130.2(c)2 §130.2(c)3 Pass Fail e Astronomical Timer Yes Yes I I	Area Description Surface Type Allowed Allowed Allowed Linear Allowance
equire a note in the space below explaining how compliance is achieved. & safety to be turned off; EXCEPTION 1 to <u>\$130.2(c)</u>	Area (ft²)Density (W/ft²)(Watts)Length (if)Density (W/if)(Watts)HardscapeAsphalt1704640.0254261.634810.2870.2
	Initial Wattage Allowance for Entire Site (Watts): Total General Hardscape Allowance (Watts):
	J. LIGHTING ALLOWANCE: PER APPLICATION This section does not apply to this project.
	K. LIGHTING ALLOWANCE: SALES FRONTAGE This section does not apply to this project.
	L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project.
	M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This section does not apply to this project.
Registration Date/Time: Registration Provider: Energysoft cy Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-10-13 16:09:02	Registration Number: Registration Date/Time: Registration Provid CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-1
Schema Version: rev 20200601	Schema Version: rev 20200601

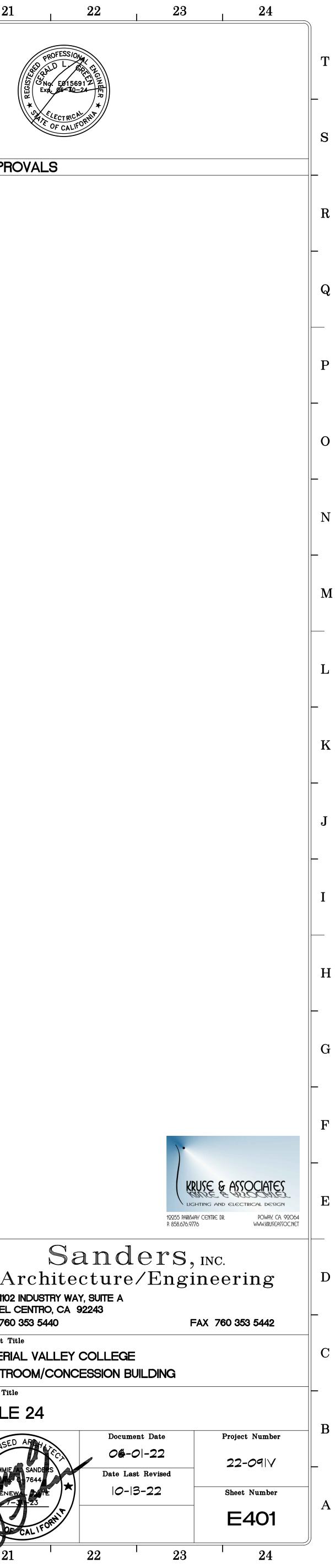
	16	17	18	I	19	
ST	ATE OF CALIFORNIA					
In NR	Idoor Lighting CC-LTI-E RTIFICATE OF COMPLIANCE				CALIFORNIA ENERGY CC	NRCC-LTI-E
	oject Name: Imperi oject Address:	ial Valley College - Restroom & Concession B	Date Prepared:			(Page 4 of 6) 10/13/2022
Th	ADDITIONAL ALLOWANCE: AREA CATEC		IG SYSTEM			
Tł	TAILORED METHOD GENERAL LIGHTIN is section does not apply to this project. ADDITIONAL LIGHTING ALLOWANCE: T					
Tł	is section does not apply to this project.		IG			
	is section does not apply to this project. ADDITIONAL LIGHTING ALLOWANCE: 1	AILORED ORNAMENTAL/SPECIAL EF	FECTS			
0	ADDITIONAL LIGHTING ALLOWANCE: 1	AILORED VERY VALUABLE MERCHA	NDISE			
P.	is section does not apply to this project. POWER ADJUSTMENT: LIGHTING CONT is section does not apply to this project.	ROL CREDIT (POWER ADJUSTMENT	FACTOR (PAF))			
	. RATED POWER REDUCTION COMPLIAN	NCE FOR ALTERATIONS				
	80% LIGHTING POWER FOR ALL ALTERA	ATIONS - CONTROLS EXCEPTIONS				
	DAYLIGHT DESIGN POWER ADJUSTMEN ais section does not apply to this project.	NT FACTOR (PAF)				
	egistration Number: A Building Energy Efficiency Standards - 2019 No		gistration Date/Time:	Re	Registration Provider:	
			hema Version: rev 20200601			
O NR	NTE OF CALIFORNIA utdoor Lighting CC-LTO-E				CALIFORNIA ENERGY CC	
Pr	RTIFICATE OF COMPLIANCE oject Name: Imperi oject Address:	ial Valley College - Restroom & Concession B	uilding Report Page: Date Prepared:			NRCC-LTO-E (Page 2 of 7) 10/13/2022
Re	COMPLIANCE RESULTS esults in this table are automatically calculate Table D. Exceptional Conditions for guidance			n this table says "COMPLIES	with Exceptional Conditi	ions" refer
	Calculations of Total Allo	wed Lighting Power (Watts) §140.7 or 03 04	5141.0(b)2L 05 06 Existing	07 Compli	08	09
5	Hardscape + Application + Fro Allowance <u>§140.7(d)2</u> <u>§140</u>	ntage + Ornamental + A $\underline{\$140.7(d)2}$ + $\underline{\$140}$	pecific rea <u>.7(d)2</u> able M) Allowance <u>\$141.0(b)2L</u> (See Table N)	Total Allowed ≥ (Watts)	Total Actual (Watts) 07 mus	st be >= 08
	5,481.85 + +	Cutoff Compliance (See Table Controls Compliance (See Table		5,481.85 ≥	2,716 COI	MPLIES N/A COMPLIES
	EXCEPTIONAL CONDITIONS is table is auto-filled with uneditable comme	ents because of selections made or data	entered in tables throughout the for	rm.		
	ADDITIONAL REMARKS is table includes remarks made by the perm	it applicant to the Authority Having Juris	diction.			
	egistration Number: A Building Energy Efficiency Standards - 2019 No		gistration Date/Time:	Re	Registration Provider:	
			hema Version: rev 20200601			
0	ate of california utdoor Lighting cc-lto-e				CALIFORNIA ENERGY CC	OMMISSION
Pr	IRTIFICATE OF COMPLIANCE oject Name: Imperi oject Address:	ial Valley College - Restroom & Concession B	uilding Report Page: Date Prepared:			NRCC-LTO-E (Page 6 of 7) 10/13/2022
	EXISTING CONDITIONS POWER ALLOW	/ANCE (alterations only)				
Se	DECLARATION OF REQUIRED CERTIFIC lections have been made based on informat ditional Remarks. These documents must be	ion provided in this document. If any sel			hould be included in Tab	ole E.
	tps://www.energy.ca.gov/title24/2019stano	Form/Title	residential_Documents/NRCI/		Field Inspecto Pass	Fail
N	RCI-LTO-01-E - Must be submitted for all buil RCI-LTO-02-E- Must be submitted for a lightir Impliance.	-	gement Control System (EMCS), to	be recognized for		
Se Ad	DECLARATION OF REQUIRED CERTIFICA elections have been made based on informat diditional Remarks. These documents must be	ion provided in this document. If any sel e provided to the building inspector durin	g construction and must be comple			
Pr	ovider (ATTCP). For more information visit: h	Form/Title		Systems/Spaces To Be Fi Verified	eld Field Insper	ctor Fail
		. wanting controls aveant for alterat				
	RCA-LTO-02-A - Must be submitted for all ou) luminaires.					
20			gistration Date/Time:		Registration Provider:	Energysoft

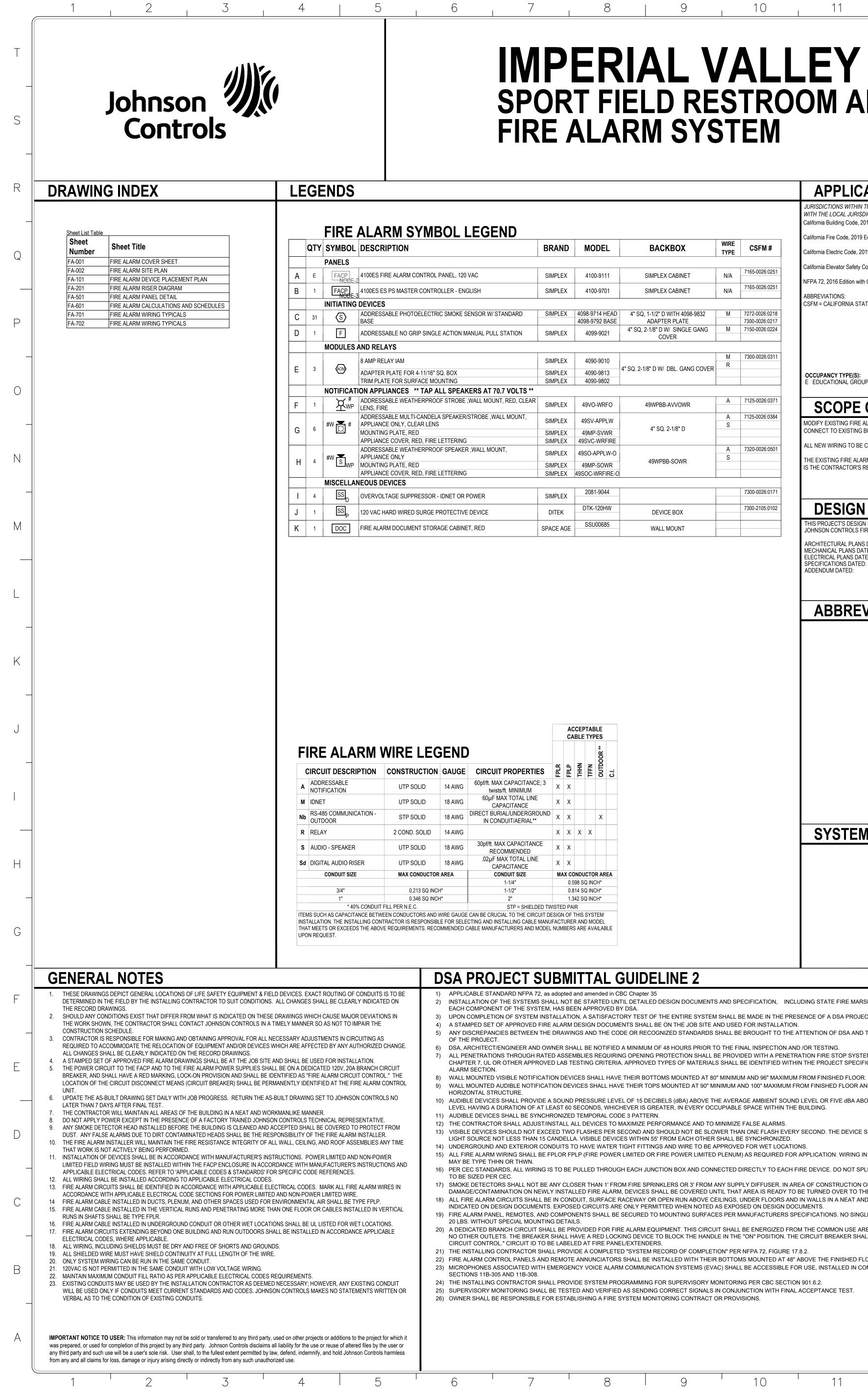
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19





IMPERIAL VALLEY COL SPORT FIELD RESTROOM AND CO FIRE ALARM SYSTEM

	BRAND	MODEL	BACKBOX	WIRE TYPE	CSFM #
	SIMPLEX	4100-9111	SIMPLEX CABINET	N/A	7165-0026:025
	SIMPLEX	4100-9701	SIMPLEX CABINET	N/A	7165-0026:0251
ARD	SIMPLEX	4098-9714 HEAD	4" SQ, 1-1/2" D WITH 4098-9832	М	7272-0026:0218
		4098-9792 BASE	ADAPTER PLATE		7300-0026:0217
ION	SIMPLEX	4099-9021	4" SQ, 2-1/8" D W/ SINGLE GANG COVER	М	7150-0026:0224
	SIMPLEX	4090-9010		М	7300-0026:031
	SIIVIPLEA	4090-9010	4" SQ. 2-1/8" D W/ DBL. GANG COVER	R	
	SIMPLEX	4090-9813			
	SIMPLEX	4090-9802			
OLTS **					
D, CLEAR	SIMPLEX	49VO-WRFO	49WPBB-AVVOWR	А	7125-0026:037
DUNT,	SIMPLEX	49SV-APPLW	-	A S	7125-0026:0384
	SIMPLEX	49MP-SVWR	4" SQ. 2-1/8" D	0	
	SIMPLEX	49SVC-WRFIRE	-		
	SIMPLEX	49SO-APPLW-O	-	A S	7320-0026:050
	SIMPLEX	49MP-SOWR	49WPBB-SOWR	0	
	SIMPLEX	49SOC-WRFIRE-O	-		
	-				
	SIMPLEX	2081-9044	-		7300-0026:017
	DITEK	DTK-120HW	DEVICE BOX		7300-2105:0102
	SPACE AGE	SSU00685	WALL MOUNT		

APPLICABLE CODE

JURISDICTIONS WITHIN THE STATE MAY HAVE AMENDME WITH THE LOCAL JURISDICTION AUTHORITY FOR MORE L California Building Code, 2019 Edition, Title 24, Part 2 California Fire Code, 2019 Edition, Title 24, Part 9

California Electric Code, 2019 Edition, Title 24, Part 3

California Elevator Safety Construction Code, 2019 Edition

NFPA 72, 2016 Edition with California Amendments ABBREVIATIONS:

CSFM = CALIFORNIA STATE FIRE MARSHAL

OCCUPANCY TYPE(S): E EDUCATIONAL GROUP

SCOPE OF WORK

MODIFY EXISTING FIRE ALARM SYSTEM: PROVIDE NEW F CONNECT TO EXISTING BUILDING 700.

ALL NEW WIRING TO BE CLASS B.

THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DISCO S THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE

DESIGN STATEMEN

THIS PROJECT'S DESIGN IS PREPARED BY: JOHNSON CONTROLS FIRE PROTECTION ARCHITECTURAL PLANS DATED: MECHANICAL PLANS DATED:

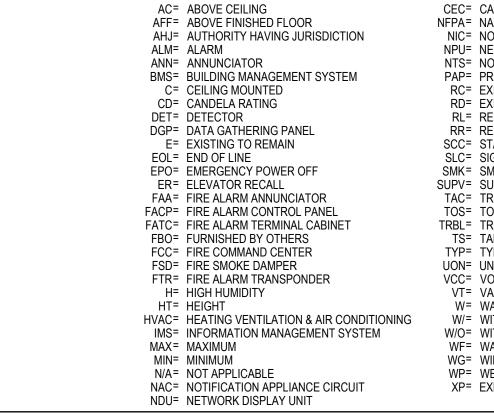
SPECIFICATIONS DATED:

ADDENDUM DATED:

4/1/2022 PAR N/A ELECTRICAL PLANS DATED: N/A N/A

N/A







INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION. INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR 3) UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR. 4) A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. 5) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER

6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING. 7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC

CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE

9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A 10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND

12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.

13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED. 14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.

15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND 16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES

17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER. 18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS. 19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED

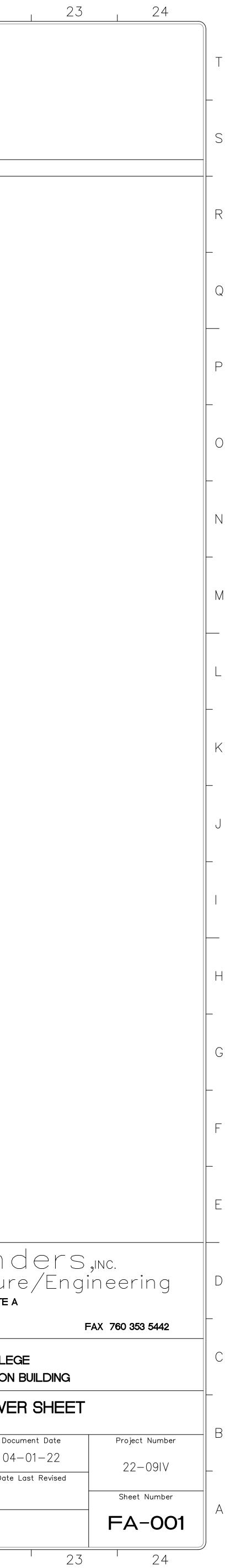
20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM 21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 17.8.2.

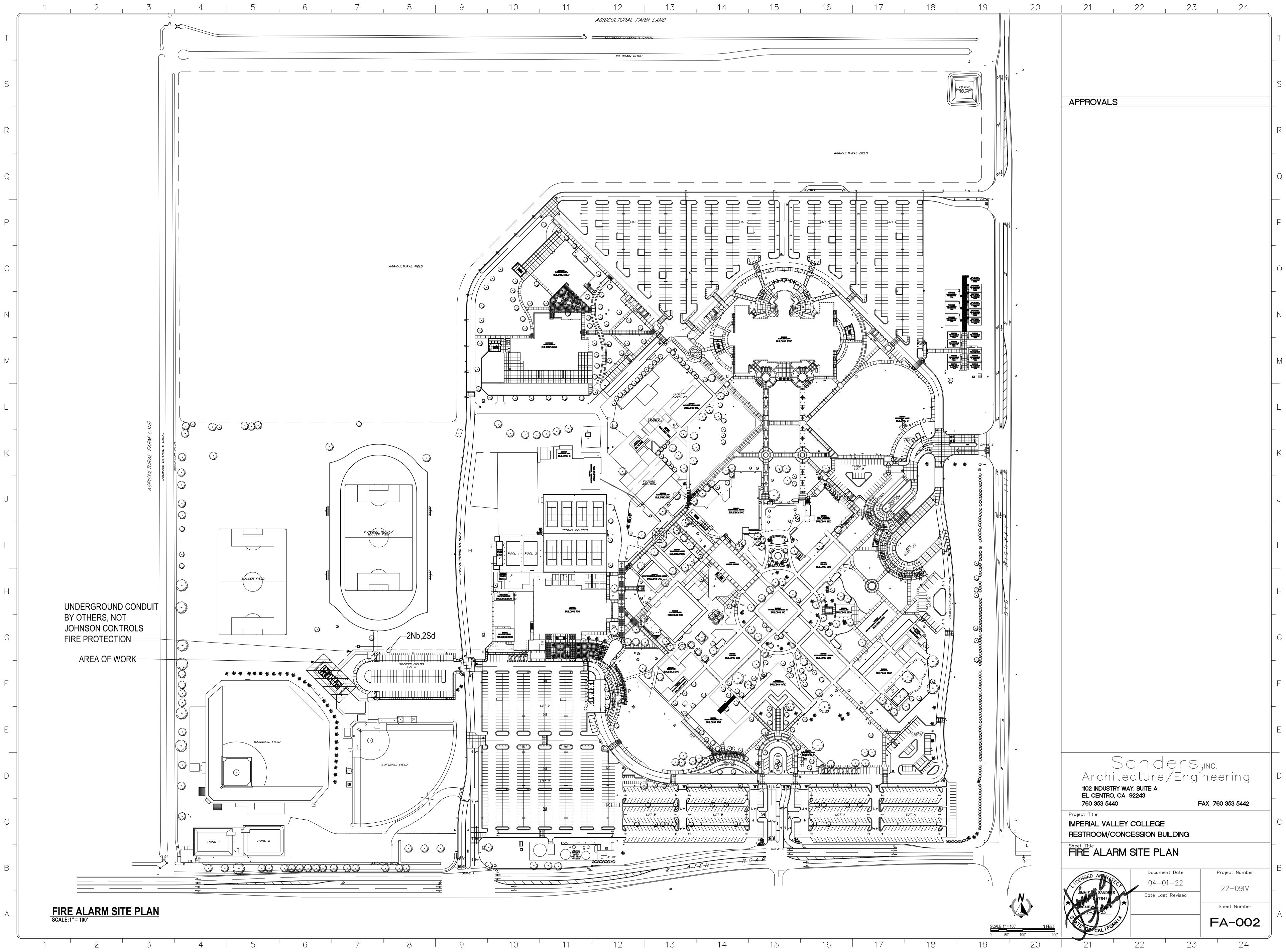
22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR. 23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC

24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2. 25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. 26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

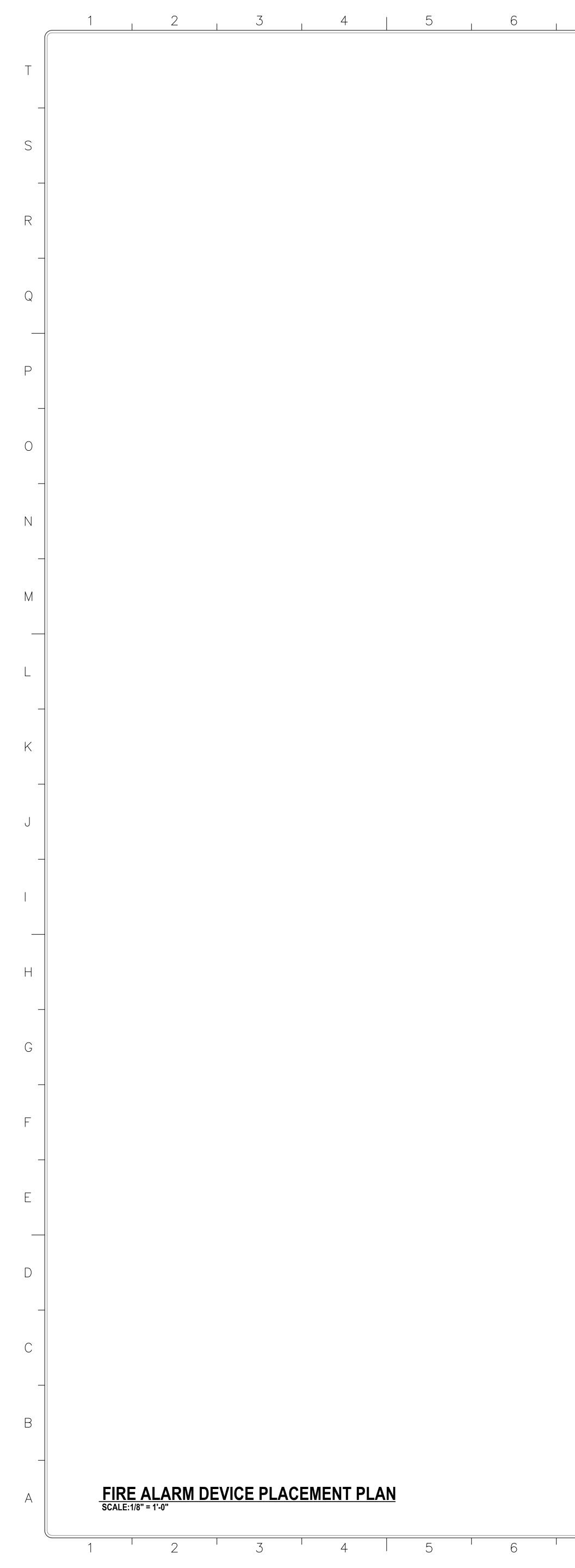
S & STANDARDS	JOHNSON CONT	ROLS CONTACTS	APPROVALS
NTS TO THE STATE ADOPTED CODE. CHECK DETAILS.	Sales Representative J. MARK WALKER J.MARK.WALKER@JCI.COM PHONE:858-633-9100	Drawings Prepared By LEONARDO MUÑOZ JMUNOZ76@JCI.COM PHONE: Drawings Reviewed By DAVID SLABOSZ DAVID.SLABOSZ@JCI.COM PHONE:858-633-9100	
SPRINKLER PROTECTION: BUILDING IS NOT SPRINKLERED	PROJECT DIREC	TORY	
TACP NODE-3, AND NEW DEVICES, AS SHOWN ON FA-101. DNNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM THE OWNER. IT E WITH THE OWNER THE TIMING OF ANY EXISTING FIRE ALARM SYSTEM DEMOLITION WORK.	Site IMPERIAL VALLEY COLLEGE 380 EAST ATEN RD IMPERIAL, CA 92251 PHONE: (760) 352-8320	Johnson Controls District - 480 3568 RUFFIN ROAD SOUTH SAN DIEGO, CA 92123 PHONE: 858-633-9100 FAX: 858-633-9101 SERVICE: 858-633-9100 Installer	
T RTIAL SET		JOHNSON CONTROLS FIRE PROTECTION 3568 RUFFIN RD SAN DIEGO, CA 92123 PHONE: (858) 633-9100 FAX: (858) 633-9101	
GEND CEC= CALIFORNIA ELECTRIC CODE NFPA= NATIONAL FIRE PROTECTION ASSOCIATION		DESIGNATOR	
ING JURISDICTION NIC= NOT IN CONTRACT NPU= NETWORK PROCESSING UNIT NTS= NOT TO SCALE SEMENT SYSTEM PAP= PRE-ACTION PANEL ED RC= EXISTING TO REMOVE AND COVER G PANEL RC= RELOCATED DEVICE TO BE RELOCATED RL= RELOCATED DEVICE G PANEL RR= REMOVE EXISTING & REPLACE WITH NEW WAIN SCC= STATUS COMMAND CENTER SLC= SIGNALING LINE CIRCUIT WER OFF SMK= SMOKE LL SUPPY SUPERVISORY UNCIATOR TAC= TRUEALERT ADDRESSABLE CONTROLLER ITROL PANEL TOS= TOP OF SHAFT MINAL CABINET TRBL= TROUBLE TS= TAMPER SWITCH CENTER TYP= TYPICAL MPER UON= UNLESS OTHERWISE NOTED NSPONDER VCC= VOICE COMMAND CENTER VT= VALVE TAMPER W= WATTAGE ATION & AIR CONDITIONING W/= WITH ANAGEMENT SYSTEM W/O= WITHOUT WF WATEFLOW WG= WIRE GUARD E WP= WEATHERPROOF PLIANCE CIRCUIT XP= EXPLOSION PROOF ATUM	 F. # T; # N CIRCUI A D F; H M P; S; V Z; DEVICE BRANC (L (# (E 1. IDNA 	A: = FACP (NON-NETWORK) : = NODE NUMBER #: = TRANSPONDER NUMBER :T# = NODE:TRANSPONDER NUMBER #: = NAC EXTENDER NUMBER IT DESIGNATOR # = IDNAC ¹ CIRCUIT NUMBER # = DOOR HOLDER CIRCUIT NUMBER # = DOOR HOLDER CIRCUIT NUMBER # = AUDIBLE (HORN) CIRCUIT NUMBER # = IDNET LOOP NUMBER # = POWER CIRCUIT NUMBER # = SPEAKER CIRCUIT NUMBER # = VISUAL CIRCUIT NUMBER # = ZONE NUMBER E NUMBER CH / ISOLATED LOOP DESIGNATOR: #) = IDNET ISOLATED LOOP NUMBER #) = IDNET ISOLATED LOOP NUMBER #) = IDNET ISOLATED LOOP NUMBER #) = IDNAC BRANCH NUMBER E##) = EPR ² NUMBER:BRANCH NUMBER CC = ADDRESSABLE NOTIFICATION CIRCUIT = ENHANCED POWER REPEATER	
	TION (STROBES)		
CTRL U	X X	Imula Imula <td< th=""><th></th></td<>	
3 THE ALARM AC FOWLRT ALORE 6 FIRE ALARM SYSTEM LOW BATTERY 7 OPEN CIRCUIT OR GROUND FAULT 8 CLASS B NOTIFICATION CIRCUIT (NAC) - SHORT			San Architectu 1102 INDUSTRY WAY, SUITE EL CENTRO, CA 92243 760 353 5440 Project Title IMPERIAL VALLEY COLL RESTROOM/CONCESSIO
			FIRE ALARM COV
13 14 15	16 17	18 19 20	21 22

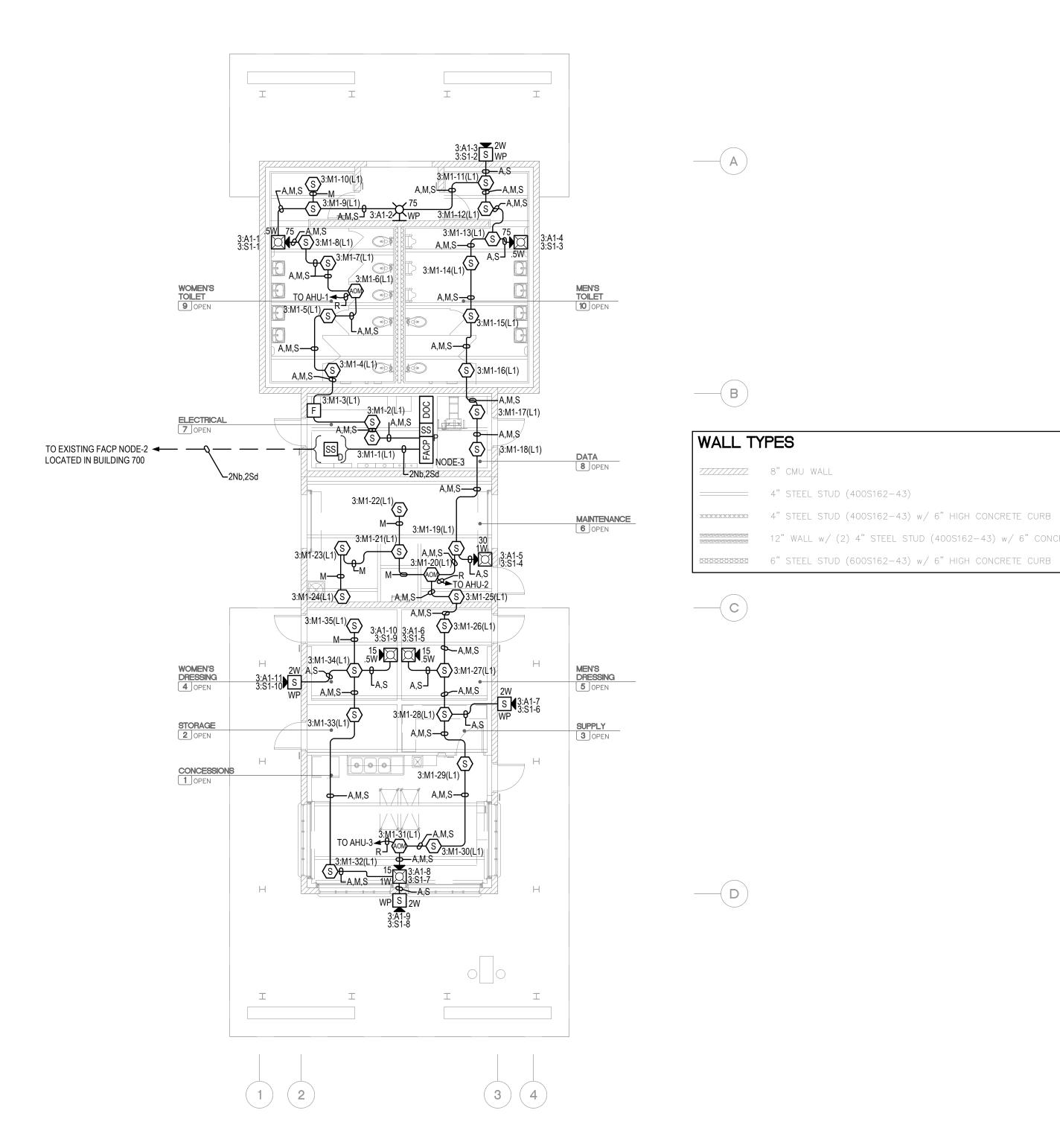
7	8	9	10	11	12	13	14	





7	8	9	10	11	12	13	14
					AGRICUL TURAL FAI	RM LAND	
				``	C DOGWOOD LATERAL 6	ANAL	
					IID DRAIN DITCH		





7	8	9	10	11	12	13	14

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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17 16

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SCALE:1/8" = 1

22 21

1102 INDUSTRY WAY, SUITE A EL CENTRO, CA 92243 760 353 5440

IMPERIAL VALLEY COLLEGE

RESTROOM/CONCESSION BUILDING

Project Title

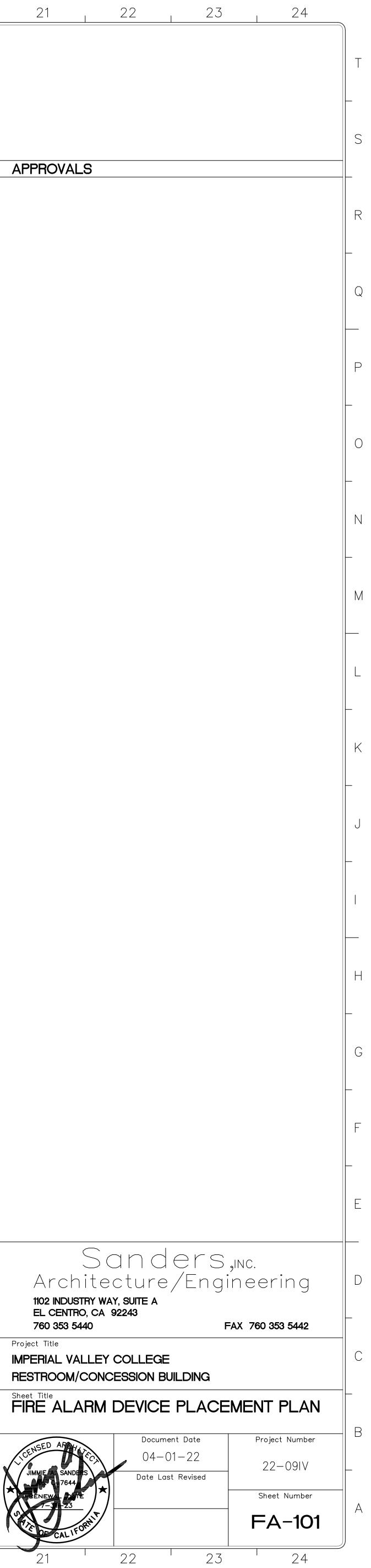
APPROVALS

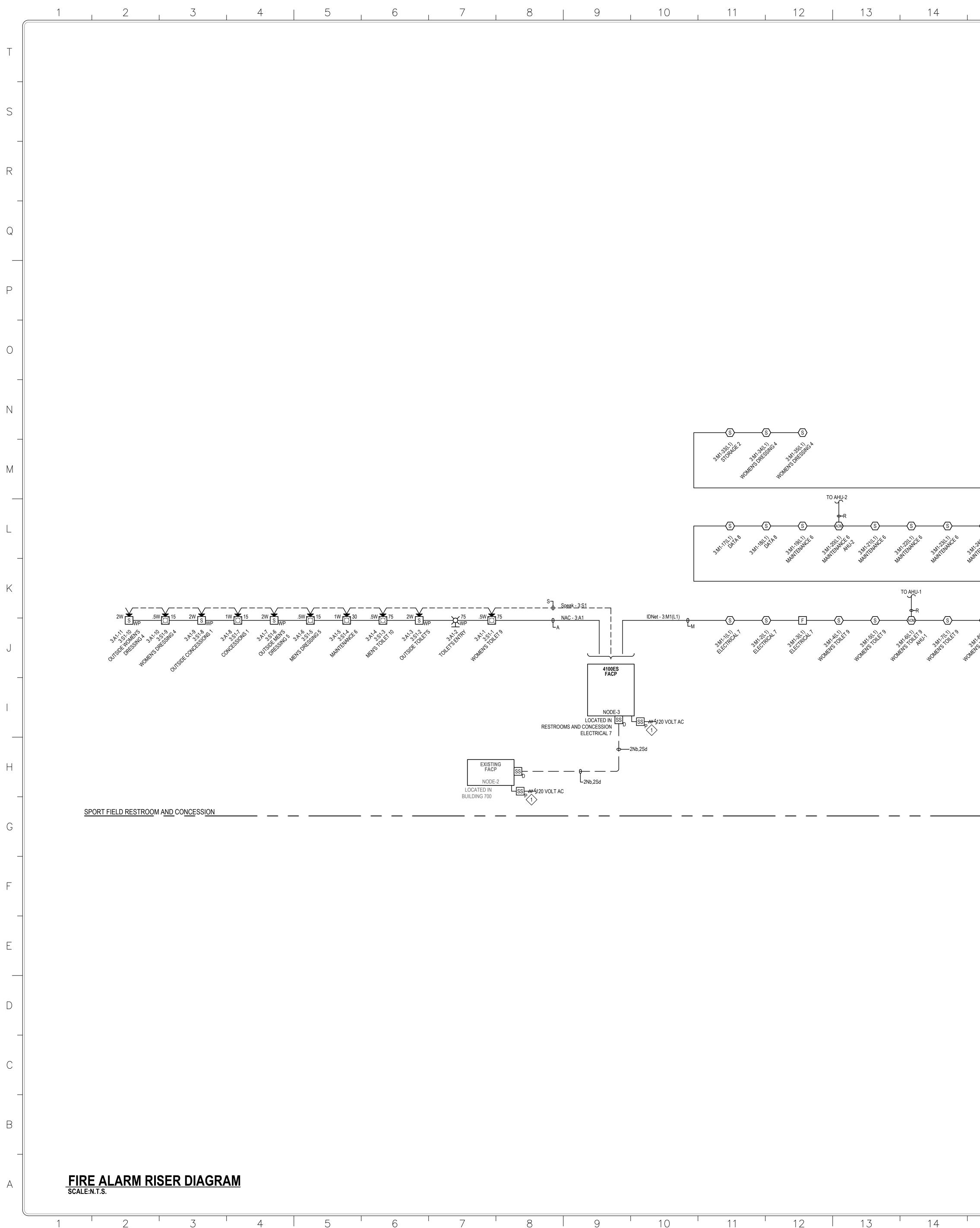
12" WALL w/ (2) 4" STEEL STUD (400S162-43) w/ 6" CONCRETE CURE

GENERAL NOTES:

- ALL CEILINGS ARE ASSUMED TO BE 11'-9" WITH 14" BEAMS AS SHOWN ON FLOOR PLANS UNLESS NOTED OTHERWISE.
 TAP ALL SPEAKERS AT 0.5W UNLESS NOTED OTHERWISE.
 SET ALL SPEAKER VOLTAGE JUMPERS TO THE 70.7V SETTING.
- CONSULT WITH A JOHNSON CONTROLS TECHNICIAN BEFORE APPLYING A PHYSICAL LABEL TO ANY DEVICES.

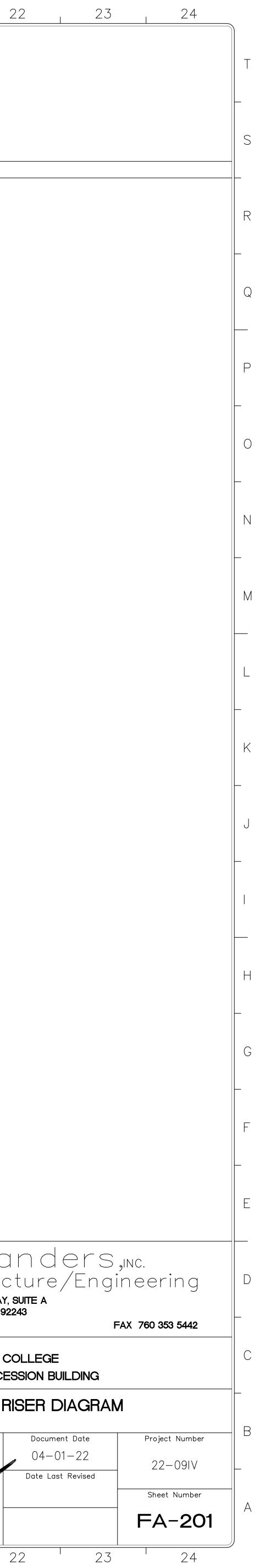
- 4. THE DEVICE ADDRESSES INDICATED ON THESE DRAWINGS ARE AN ALPHANUMERIC DESCRIPTION OF WHICH CIRCUIT THE DEVICE IS LOCATED ON. DEVICES MAY BE ASSIGNED A DIFFERENT NUMBER WITHIN THE PANEL PROGRAM.

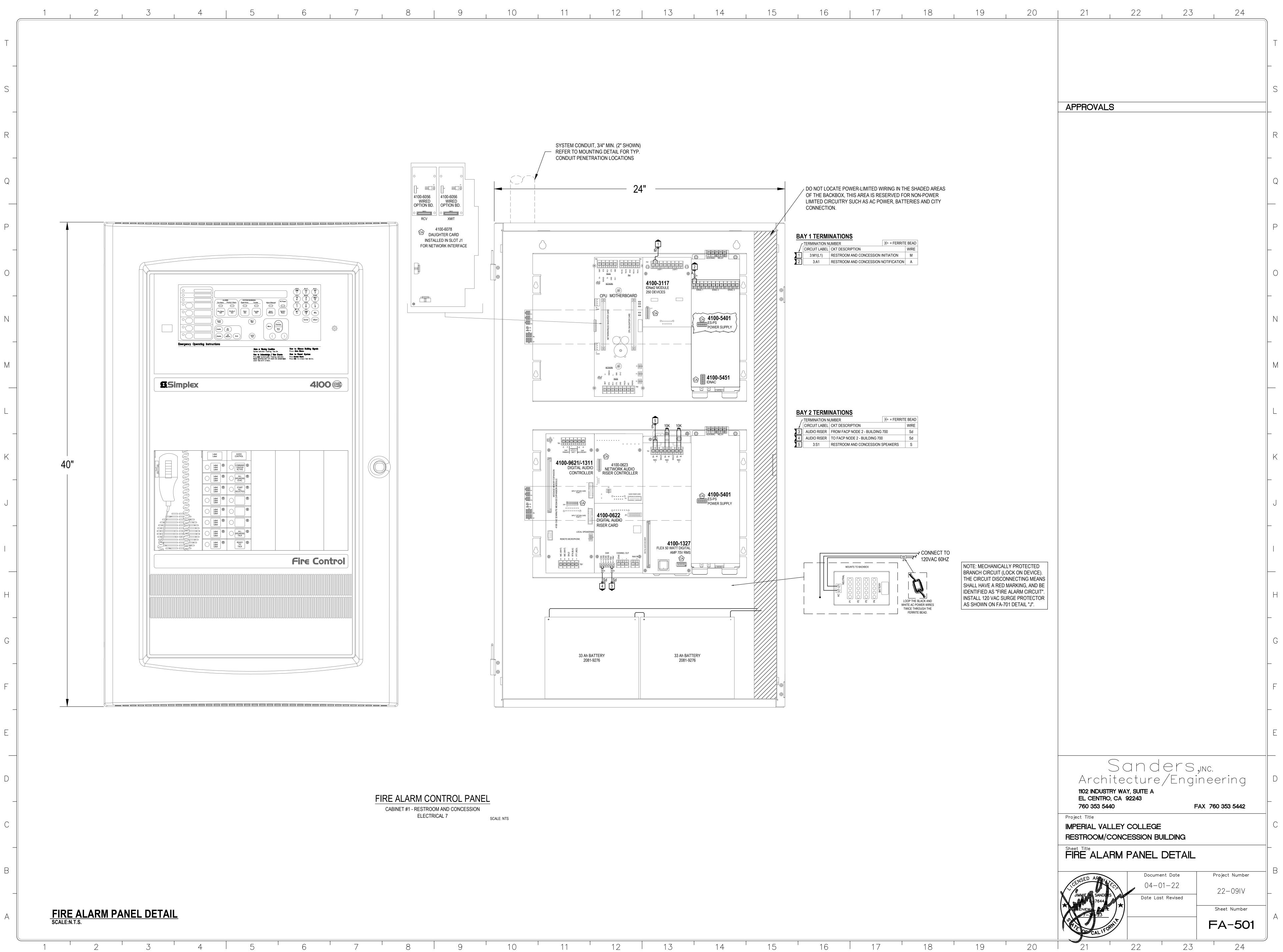




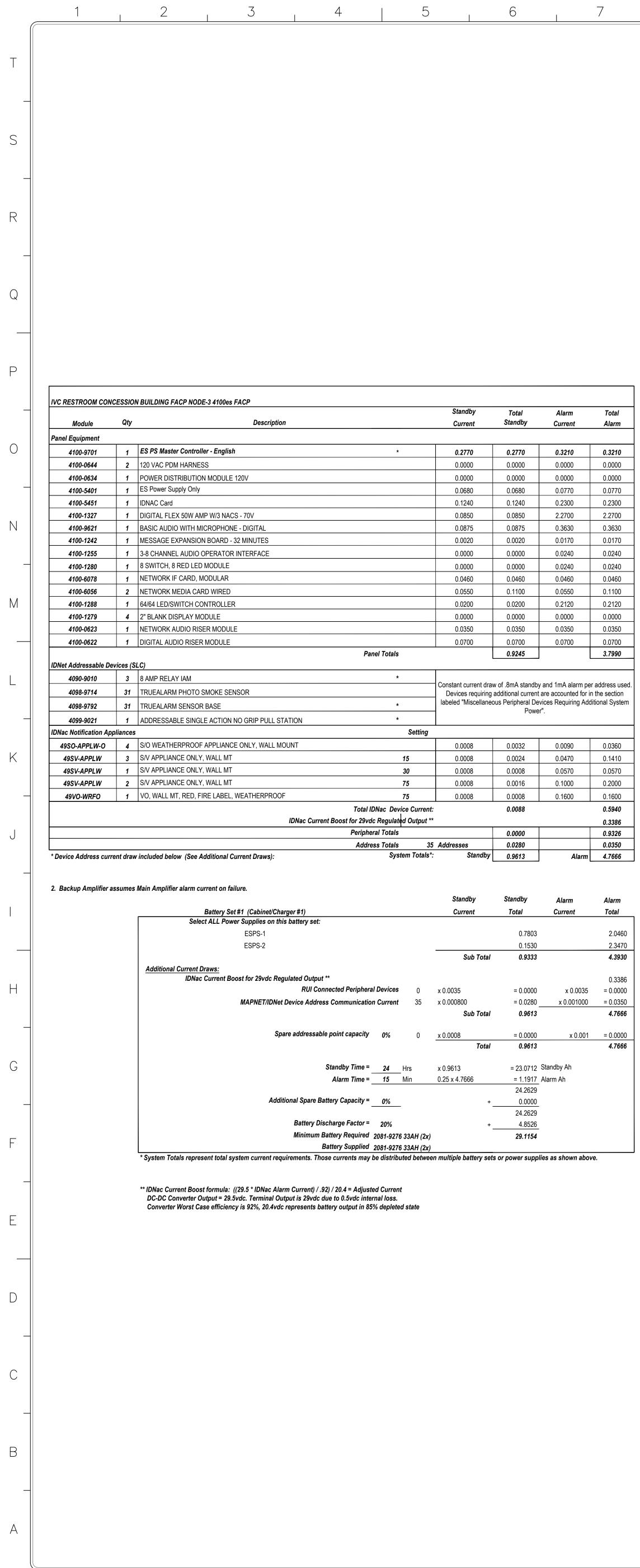
7	8	9	10	11	12	13	14

	15	<u> </u>	6	17		18		19		20	21		22
						1. R S N C P C 2. A C S	YSTEM ARCHITE OT INTENDED TO ONFIGURATIONS LANS AND PANE ONFIGURATION LL WIRING SHAL ODES. REFER TO	AMMATICAL REPRE CTURE IN BUILDIN) REPRESENT ACT 5 OR PENETRATION - DETAILS FOR CIR NFORMATION. L COMPLY WITH AF) 'APPLICABLE COI R SPECIFIC CODE I	G CROSS SECT UAL WIRE RUNS NS. REFER TO F RCUIT ROUTING PPLICABLE ELE DES & STANDAF	ION. IT IS S, PANEL LOOR AND CTRICAL	APPROV	ALS	
							20VAC PRIMARY IECHANICALLY P ISCONNECTING	POWER SOURCE S ROTECTED BRANC MEANS SHALL HAV "FIRE ALARM CIRC	CH CIRCUIT. THE				
S.M. Call Sheet	SMASSINGER	S 31.10 NHWS NHWS	Sim Stellings	S. M. S. S. P. L. S.	5 Mices Competence	S 2011/2015 2010/2015 CONCESTING	TO AHU-3	S 3M13250151					
(S)	(S)	(S)	(5)		(S)		(S)	(5)					
						<u>SPORT FIE</u> LI	D <u>RES</u> TR <u>OOM</u>	<u>/ AND CONCE</u>	<u>SSION</u>				
												Schite	
											1102 IND	VSTRY W/ ITRO, CA 5440 VALLEY M/CONC	AY, SUITE 92243 ' COLLE CESSIOI
											JIMMIE A SA		Do O Dat
	15	16	5	17		18		19		20	21		22





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7	8	9	10	11	12	13	14

IVC RESTROOM CONCESSION BUILDING FACP NODE-3 4100es FACP Speaker Db Loss Calculation

												APPROVALS
		DING FACP N	ODE-3 4100es FACP Speaker Db Loss Calculations									
CIRCUIT	ovrms [Et] DESCRIPTION		PlanSpeakerSpeakerCircuitTapTapAmp #Number.25 Watt.5 Watt	SpeakerSpeakerSpeakerTapTapTap1. Watt2. Watt4. Watt	Total Tota Spkrs Wata per [P] Circuit	s Gauge Length Per Foot Resistance Cl [D] in [Rw] [RI=2D*Rw] [Feet	urrent Resistance At End =P/Et] [Rs=Et/l] [Es=(Et*Rs) /(Rs+Rl)]	At End dB Loss Ckt. II [Pe=(Es) [dB=Log10 [ML= ^2/Rs] (Pe/P)*10] /(2*R)	Allowable .ength (0.414*Rs) v)]			
<u> </u>	DNCESSION		Amp-1 3:S1 4 Amp-1 3:S2 4 Amp-1 3:S3 4		10	12. Watts 18ga 450 0.0071 6.428 . Watts 18ga 0.0071 0.000 . Watts 18ga 0.0071 0.000	0.171 408.333 68.915 0.000 0.000 0.000 0.000 0.000 0.000	0.000 . db	11834 Ft. 0 Ft. 0 Ft.			
ANNEL 3: ess -1 -2	M1 Device Type PHOTO PHOTO	Point Type SMOKE SMOKE	ADDRESSES IN USE: 35 (14%) SPARE ADDRESSES: 215 (Location Description ELECTRICAL 7 ELECTRICAL 7	(86%) SWITCH SE 1 2 3 4 5 3:M1-1 X 3:M1-2 X SWITCH SE		IVC RESTROOM CONCESSION BUILDING FACP NODE-3 - ID	Alarm Current	Unit % Drop Load*	Wire Spare Length Current	Spare VoltageDrop		
3 4 5 6	ADRPUL PHOTO PHOTO RIAM	PULL SMOKE SMOKE RELAY	ELECTRICAL 7 WOMEN'S TOILET 9 WOMEN'S TOILET 9 WOMEN'S TOILET 9 AHU-1	3:M1-3 X X 3:M1-4 X 3:M1-5 X 3:M1-6 X	ON ON ON ON ON ON	3:A1RESTROOM AND CONCESSION3:A2SPARE3:A3SPARE	0.594A 0.000A 0.000A	1.67% 11 0.00% 0 0.00% 0	346 80% 0 100% 0 100%	92% 100% 100%		
-7 -8 -9 10 11	РНОТО РНОТО РНОТО РНОТО РНОТО РНОТО РНОТО	SMOKE SMOKE SMOKE SMOKE SMOKE	WOMEN'S TOILET 9 WOMEN'S TOILET 9 WOMEN'S TOILET 9 WOMEN'S TOILET 9 MEN'S TOILET 10	3:M1-7 X X X 3:M1-8 X X 3:M1-9 X X 3:M1-10 X X 3:M1-11 X X	ON ON ON ON ON ON ON ON ON	3:A1 Starting Voltage: 29vdc Min. Device Voltage: 23.vdc Allowable % Drops	Primary Wire Gauge Homo Pun Wire Gauge	Notification SLC Distributed Lo	ad Voltage Drop Wire Res. Per Ft. 0.002822 Wire Res. Per Ft. 0.002822	@ 50° Celsius		
11 12 13 14 15	РНОТО РНОТО РНОТО РНОТО РНОТО	SMOKE SMOKE SMOKE SMOKE SMOKE	MEN'S TOILET 10 MEN'S TOILET 10 MEN'S TOILET 10 MEN'S TOILET 10 MEN'S TOILET 10	3:M1-11 X X X 3:M1-12 X X X 3:M1-13 X X X 3:M1-14 X X X 3:M1-15 X X X		Allowable % Drop: 20.7%	Home Run Wire Gauge: Distance (Feet) PID	14ga Device Setting Draw	Wire Res. Per Ft. 0.002822 Class B Calculations Current Voltage at Device Drop		% Vdrop Wire Length	
16 17 18 19	РНОТО РНОТО РНОТО РНОТО	SMOKE SMOKE SMOKE SMOKE	MEN'S TOILET 10 DATA 8 DATA 8 MAINTENANCE 6	3:M1-16 X 3:M1-17 X 3:M1-17 X 3:M1-18 X X X 3:M1-19 X		Branch Device # From 1 3:A1-1 PANEL 1 3:A1-2 3:A1-1 1 3:A1-3 3:A1-2 1 3:A1-3 3:A1-3 1 3:A1-4 3:A1-3 1 3:A1-5 3:A1-4	(Feet) PID 49 49SV-APPLW 27 49VO-WRFO 26 49SO-APPLW-O 24 49SV-APPLW 49 49SV-APPLW	Setting Draw 75cd 0.1000 75cd 0.1600 0.0090 0.0090 75cd 0.1000 30cd 0.0570	at Device Drop 0.594 0.164 0.494 0.075 0.334 0.049 0.325 0.044 0.225 0.062	at Device 28.836 28.760 28.711 28.667 28.605	Wire Length Branch 1: 1.67% Length: 346	
20 21 22 23 24	<i>RIAM</i> <i>РНОТО</i> <i>РНОТО</i> <i>РНОТО</i> <i>РНОТО</i>	RELAY SMOKE SMOKE SMOKE SMOKE	MAINTENANCE 6 AHU-2 MAINTENANCE 6 MAINTENANCE 6 MAINTENANCE 6 MAINTENANCE 6 MAINTENANCE 6	3:M1-20 X X 3:M1-21 X X X 3:M1-22 X X X 3:M1-23 X X X 3:M1-23 X X X 3:M1-24 X X X	ON	1 3:A1-5 3:A1-4 1 3:A1-6 3:A1-5 1 3:A1-7 3:A1-6 1 3:A1-8 3:A1-7 1 3:A1-9 3:A1-8 1 3:A1-9 3:A1-8 1 3:A1-10 3:A1-9	49 49SV-APPLW 29 49SV-APPLW 26 49SO-APPLW-O 41 49SV-APPLW 13 49SO-APPLW-O 38 49SV-APPLW	30ca 0.0570 15cd 0.0470 0.0090 15cd 15cd 0.0470 0.0090 15cd 15cd 0.0470	0.225 0.062 0.168 0.027 0.121 0.018 0.112 0.026 0.065 0.005 0.056 0.012	28.605 28.578 28.560 28.534 28.529 28.517		
25 26 27 28	РНОТО РНОТО РНОТО РНОТО РНОТО	SMOKE SMOKE SMOKE SMOKE	MAINTENANCE 6 MAINTENANCE 6 MEN'S DRESSING 5 MEN'S DRESSING 5 SUPPLY 3	3:M1-25 X X X 3:M1-26 X X X 3:M1-27 X X X 3:M1-28 X X X	ON ON ON ON ON ON	1 3:A1-11 3:A1-10	24 49SO-APPLW-O	0.0090 0.0000	0.009 0.001 0.000 0.000	28.516 0.000		
29 30 31 32 33	РНОТО РНОТО RIAM РНОТО РНОТО	SMOKE SMOKE RELAY SMOKE SMOKE	CONCESSIONS 1 CONCESSIONS 1 CONCESSIONS 1 AHU-3 CONCESSIONS 1 STORAGE 2	3:M1-29 X X X 3:M1-30 X X X 3:M1-31 X X X X 3:M1-32 Image: Comparison of the system of the syste								
34 35 36 25	РНОТО РНОТО	SMOKE SMOKE	WOMEN'S DRESSING 4 WOMEN'S DRESSING 4 SPARE THRU 3:M1-125 SPARE	3:M1-34 X 2 3:M1-35 X X 2	(ON (ON							
LS ARE B IGES TO	ASED UPON INF	ORMATION S MUST BE NOT	ED FOR PROGRAMMING PURPOSES. HOWN ON THE ARCHITECTURAL DRAWINGS. TED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING TING DEVICES.									
												Archite 1102 INDUSTRY V
												EL CENTRO, CA 760 353 5440 Project Title IMPERIAL VALLE
												Sheet Title FIRE ALARN
												SCHEDULE
												ICENSED ARTY

NET CHANNEL	3:M1		ADDRESSES IN USE: 35 (14%) SPARE ADDRESSES: 215 (86%)				SW	ITCI	H SE	TTING	iS
Address	Device Type	Point Type	Location Description		1	2	3	4	56	7	8
3:M1-1	РНОТО	SMOKE	ELECTRICAL 7	3:M1-1	X					Π	0
3:M1-2	РНОТО	SMOKE	ELECTRICAL 7	3:M1-2		X					(
3:M1-3	ADRPUL	PULL	ELECTRICAL 7	3:M1-3	x	X					(
3:M1-4	РНОТО	SMOKE	WOMEN'S TOILET 9	3:M1-4			X				(
3:M1-5	РНОТО	SMOKE	WOMEN'S TOILET 9	3:M1-5	x		X				(
3:M1-6	RIAM	RELAY	WOMEN'S TOILET 9 AHU-1	3:M1-6		X	X			\square	-
3:M1-7	РНОТО	SMOKE	WOMEN'S TOILET 9	3:M1-7	X	X	X				-
3:M1-8	РНОТО	SMOKE	WOMEN'S TOILET 9	3:M1-8				X			-
3:M1-9	РНОТО	SMOKE	WOMEN'S TOILET 9	3:M1-9	X			X			1
3:M1-10	РНОТО	SMOKE	WOMEN'S TOILET 9	3:M1-10		X		X			(
3:M1-11	РНОТО	SMOKE	MEN'S TOILET 10	3:M1-11	x	X		X			-
3:M1-12	РНОТО	SMOKE	MEN'S TOILET 10	3:M1-12			X	X		\square	-
3:M1-13	РНОТО	SMOKE	MEN'S TOILET 10	3:M1-13	x		X	X	1	\square	-
3:M1-14	РНОТО	SMOKE	MEN'S TOILET 10	3:M1-14		X	X	X	+	\square	1
3:M1-15	РНОТО	SMOKE	MEN'S TOILET 10	3:M1-15	x	X	X	X			-
3:M1-16	РНОТО	SMOKE	MEN'S TOILET 10	3:M1-16					X		1
3:M1-17	РНОТО	SMOKE	DATA 8	3:M1-17	x				X		1
3:M1-18	РНОТО	SMOKE	DATA 8	3:M1-18		X			X	\square	
3:M1-19	РНОТО	SMOKE	MAINTENANCE 6	3:M1-19	X	X			X		
3:M1-20	RIAM	RELAY	MAINTENANCE 6 AHU-2	3:M1-20			X		X		(
3:M1-21	РНОТО	SMOKE	MAINTENANCE 6	3:M1-21	X		X		X		(
3:M1-22	РНОТО	SMOKE	MAINTENANCE 6	3:M1-22		X	X		X		-
3:M1-23	РНОТО	SMOKE	MAINTENANCE 6	3:M1-23	X	X	X		X	\square	
3:M1-24	РНОТО	SMOKE	MAINTENANCE 6	3:M1-24				X	X	\square	-
3:M1-25	РНОТО	SMOKE	MAINTENANCE 6	3:M1-25	x			X	X	\square	
3:M1-26	РНОТО	SMOKE	MEN'S DRESSING 5	3:M1-26		X		X	X	$\uparrow \uparrow$	-
3:M1-27	РНОТО	SMOKE	MEN'S DRESSING 5	3:M1-27	X	X		X	X	\square	-
3:M1-28	РНОТО	SMOKE	SUPPLY 3	3:M1-28			X	X	X		(
3:M1-29	РНОТО	SMOKE	CONCESSIONS 1	3:M1-29	X		X	X	X	\square	-
3:M1-30	РНОТО	SMOKE	CONCESSIONS 1	3:M1-30		X	X	X	x	\square	1
3:M1-31	RIAM	RELAY	CONCESSIONS 1 AHU-3	3:M1-31	X	X	X	X	X	\square	-
3:M1-32	РНОТО	SMOKE	CONCESSIONS 1	3:M1-32					X	\square	-
3:M1-33	РНОТО	SMOKE	STORAGE 2	3:M1-33	X				X	\square	-
3:M1-34	РНОТО	SMOKE	WOMEN'S DRESSING 4	3:M1-34		X			X		
3:M1-35	РНОТО	SMOKE	WOMEN'S DRESSING 4	3:M1-35	X	X			X		-
3:M1-36			SPARE THRU 3:M1-125	3:M1-36			X		X	\square	-
3:M1-125			SPARE	3:M1-125	x		x	x	x x	X	

	BUILDI
Circuit	

			14		15		1	6		17		18		19		20	21		22
																	APPROVA	ALS	
										MAXIMUM -	-3 dB DR	ROP							
		Vire Gauge		Wire Res. Per Foot [Rw]	Resistance	Current	Speaker Resistance [Rs=Et/l]	Voltage At End [Es=(Et*Rs)	At End [Pe=(Es)	dB Loss [dB=Log10	Ckt. Le [ML=(0	.414*Rs)							
	Watts Watts Watts	18ga 18ga 18ga	1	0.00 0.00 0.00	0.000	0.000	0.000	0.000	11.631 0.000	(Pe/P)*10] 14 db . db . db		0] 11834 Ft. 0 Ft. 0 Ft.							
Г																			
/	VC REST		CONCESSI	ON BUILDIN	NG FACP NODE-3 - Description	IDNAC-1 CIF		RY & VOLTAGE Alarm Surrent	DROP % Dro		nit ad*	Wire Length	Spare Current	Spare VoltageDr	op				
3	:A1 :A2 :A3		RESTROO SPARE SPARE	OM AND CO	DNCESSION		(0.594A 0.000A 0.000A	1.67% 0.00% 0.00%	6	11 0 0	346 0 0	80% 100% 100%	92% 100% 100%					
F			3:A1						Notificatio	n SLC Distribu	ited Load	d Voltage Drop							
			Min. Devid	ng Voltage: ce Voltage: lle % Drop:	23.vdc		Prima Home Ri	ry Wire Gauge: un Wire Gauge:	:14ga :14ga			Wire Res. Per F Wire Res. Per F	-t. 0.002822 -t. 0.002822	@ 50° Celsius @ 50° Celsius					
-	Bran			. "	From	Distanc		PID	Settin		vice raw	Class B Calcula Current at Device	ations Voltage Drop	Voltage at Device		% Vdrop Wire Length			
	1 1 1		3:A1-1 3:A1-2 3:A1-3	ice #	PANEL 3:A1-1 3:A1-2	(Feet) 49 27 26	49S 49V 49SO	V-APPLW O-WRFO -APPLW-0	75cd 75cd	0.1 0.1 0.0	000 600 090	0.594 0.494 0.334	0.164 0.075 0.049	28.836 28.760 28.711	l	Branch 1: 1.67% Length: 346			
	1 1 1 1		3:A1-4 3:A1-5 3:A1-6 3:A1-7		3:A1-3 3:A1-4 3:A1-5 3:A1-6	24 49 29 26	49S 49S 49SO	V-APPLW V-APPLW V-APPLW -APPLW-O	75cd 30cd 15cd	0.0 0.0 0.0	000 570 470 090	0.325 0.225 0.168 0.121	0.044 0.062 0.027 0.018	28.667 28.605 28.578 28.560					
-	1 1 1 1		3:A1-8 3:A1-9 3:A1-10 3:A1-11		3:A1-7 3:A1-8 3:A1-9 3:A1-10	41 13 38 24	49SO 49S	V-APPLW -APPLW-O V-APPLW -APPLW-O	15cd 15cd	0.0	0470 0090 0470 0090	0.112 0.065 0.056 0.009	0.026 0.005 0.012 0.001	28.534 28.529 28.517 28.516					
L										0.0	0000	0.000	0.000	0.000					
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		14		15		16	5	17	7	18		19	20	21	22
														APPROVAL	<u>S</u>
									XIMUM -3 dB D						
	Wire Gauge Watts 18g Watts 18g	Length [D] in Feet 1a 450 1a	0.00	Resistance [RI=2D*Rw] 71 6.428 71 0.000	Current Re [I=P/Et] [R: 0.171] 0.000]	sistance s=Et/l] 408.333 0.000	Voltage At End [Es=(Et*Rs) /(Rs+Rl)] 	^2/Rs] (Pe/P 11.631 0.000	DSS Ckt. Lo Log10 [ML=(i)*10] /(2*Rw 14 db . db	0.414*Rs) / <u>)]</u> 11834 Ft. 0 Ft.					
Г	Watts 18g /C RESTROOM		0.00 DN BUILDIN	71 0.000		0.000 IT SUMMAR	0.000 Y & VOLTAGE		. db	0 Ft.]		
3	Circuit :A1 :A2 :A3	RESTROO SPARE SPARE	M AND CO	Description INCESSION		Cu 0.: 0.	larm rrent 594A 000A 000A	% Drop 1.67% 0.00% 0.00%	Unit Load* 11 0 0	Wire Length 346 0 0	Spare Current 80% 100% 100%	Spare VoltageDrop 92% 100% 100%			
F		Min. Devic	g Voltage: e Voltage: le % Drop:	23.vdc		Primary Home Ru	/ Wire Gauge: 1 Wire Gauge:	Notification SLC	Distributed Loa	Wire Res. Per F	t. 0.002822 t. 0.002822	@ 50° Celsius @ 50° Celsius			
	Branch 1	Devi 3:A1-1	ice #	From PANEL	Distance (Feet) 49	49SV-	PID APPLW	Setting 75cd	Device Draw 0.1000	Class B Calcula Current at Device 0.594	tions Voltage Drop 0.164	Voltage at Device 28.836	% Vdrop Wire Length Branch 1: 1.67%		
	1 1 1 1 1 1 1 1 1	3:A1-2 3:A1-3 3:A1-4 3:A1-5 3:A1-6 3:A1-6 3:A1-7 3:A1-8		3:A1-1 3:A1-2 3:A1-3 3:A1-4 3:A1-5 3:A1-6 3:A1-7	27 26 24 49 29 26 41	49SO-A 49SV- 49SV- 49SV- 49SV-	APPLW-O APPLW-O APPLW APPLW APPLW APPLW-O APPLW	75cd 75cd 30cd 15cd 15cd	0.1600 0.0090 0.1000 0.0570 0.0470 0.0090 0.0470	0.494 0.334 0.325 0.225 0.168 0.121 0.112	0.075 0.049 0.044 0.062 0.027 0.018 0.026	28.760 28.711 28.667 28.605 28.578 28.560 28.534	Length: 346		
	1 1 1	3:A1-9 3:A1-10 3:A1-11		3:A1-8 3:A1-9 3:A1-10	13 38 24	49SV-	APPLW-O APPLW APPLW-O	15cd	0.0090 0.0470 0.0090 0.0000	0.065 0.056 0.009 0.000	0.005 0.012 0.001 0.000	28.529 28.517 28.516 0.000			
														(
														1102 INDUST	S C M itectur RY WAY, SUITE D, CA 92243 40
														Project Title IMPERIAL VAL RESTROOM/C	
														Sheet Title FIRE ALA SCHEDUL	_ES
														JIMMIE A SANDER JIMMIE A SANDER 7644 HERENEWA 2017E	CCA OA
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0.0350
0.0700
3 7990

0.2000 0.1600 0.5940 0.3386 0.9326 0.0350 Alarm 4.7666

> Total 2.0460

Alarm

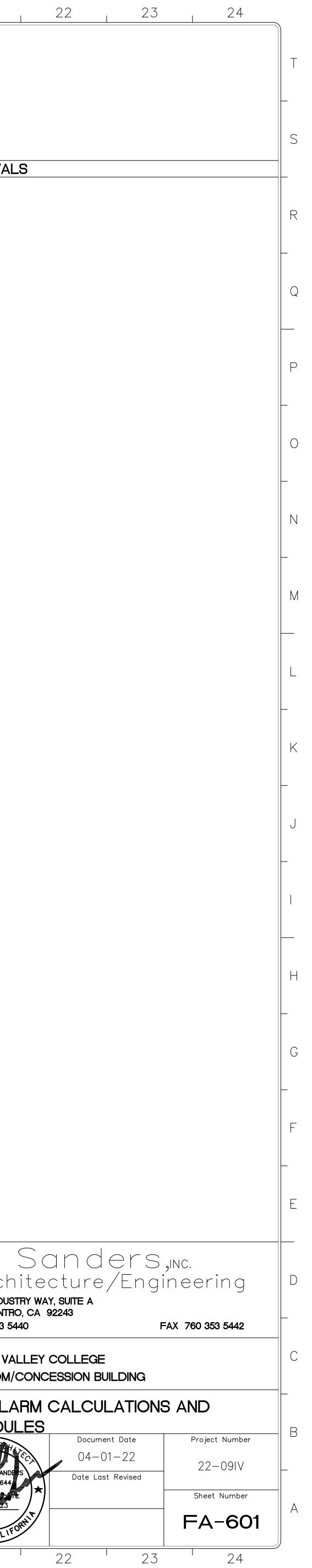
2.3470 4.3930 0.3386 x 0.0035 = 0.0000 4.7666

4.7666

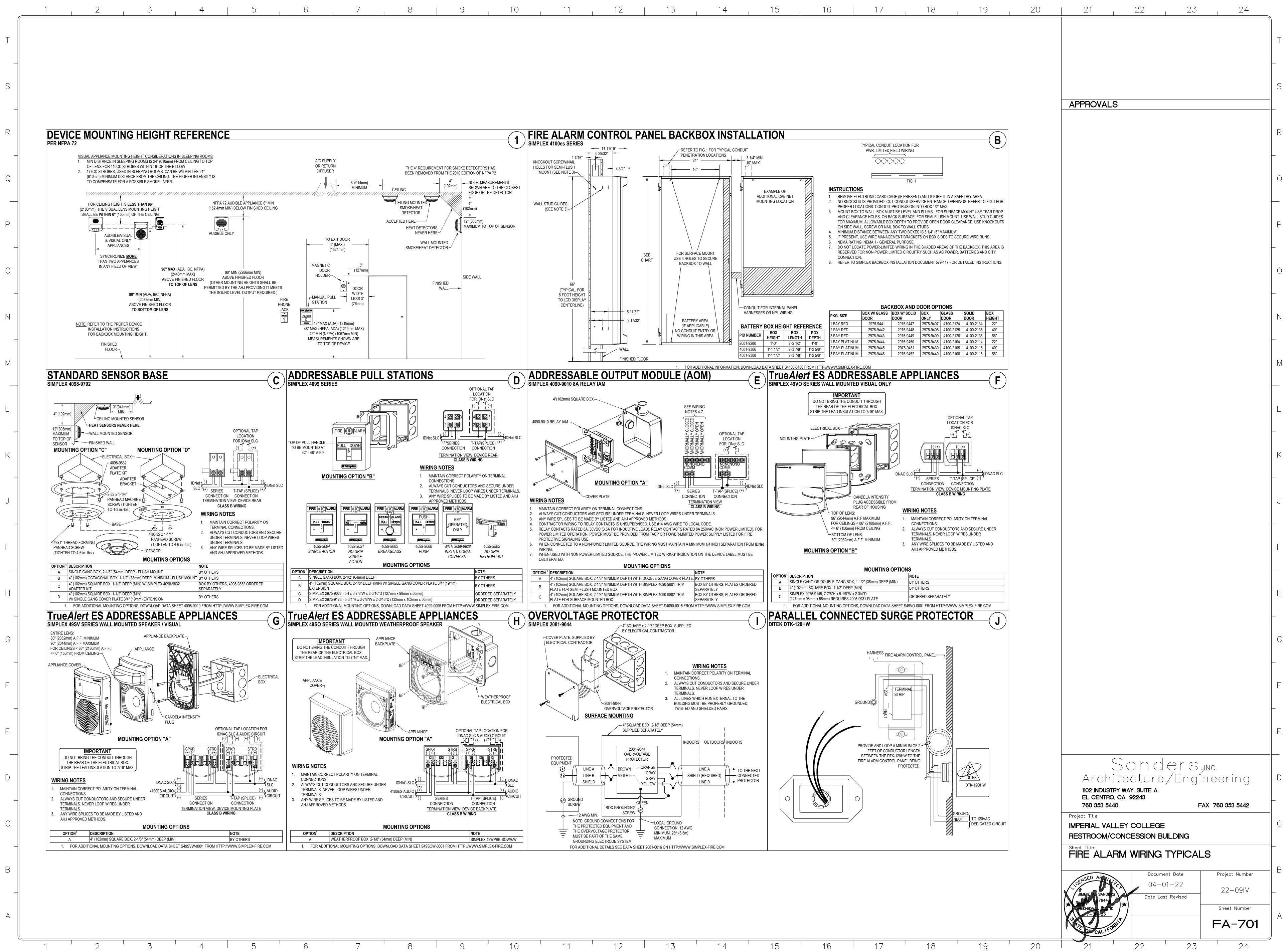
12 13 10 11 Q

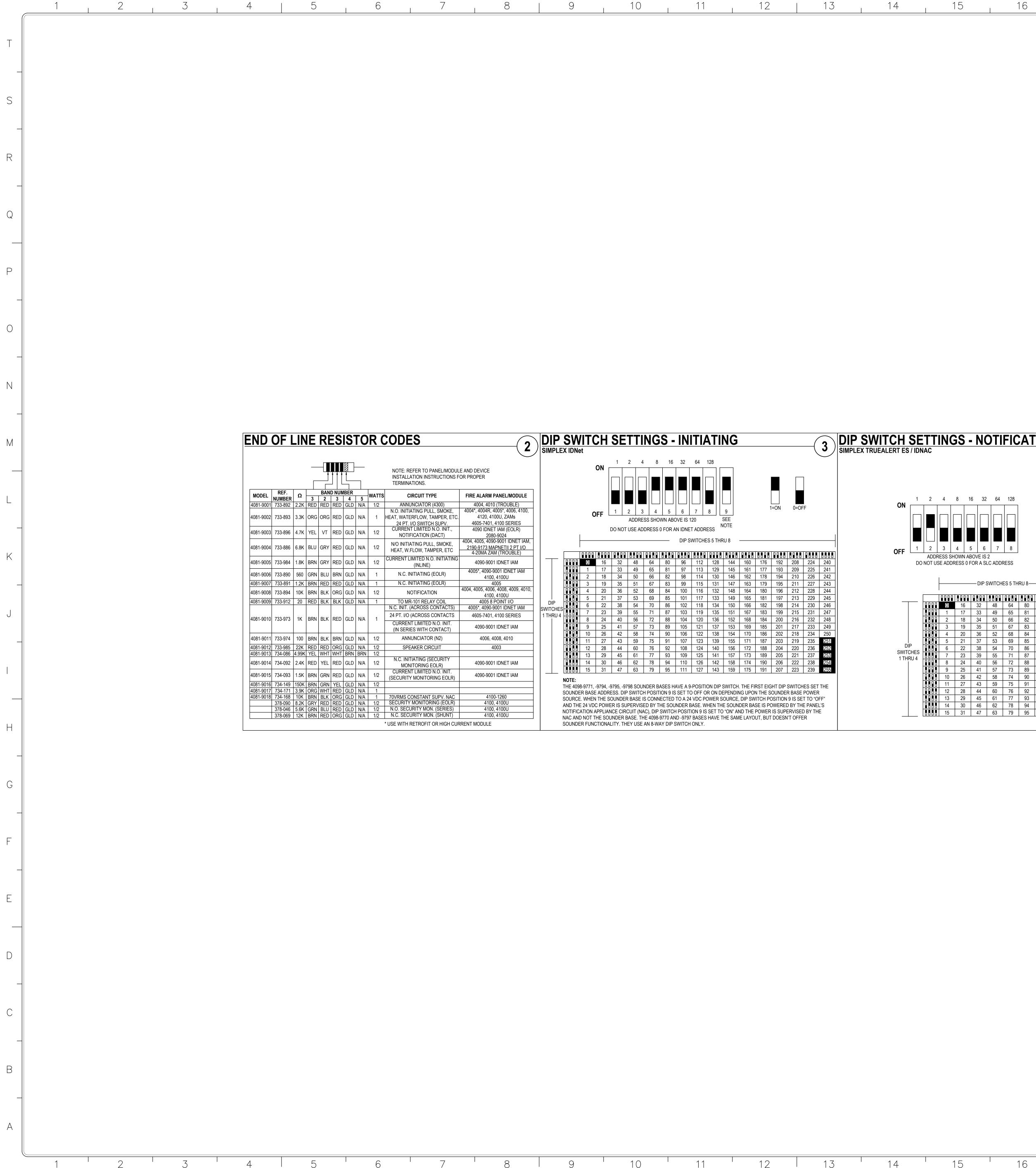
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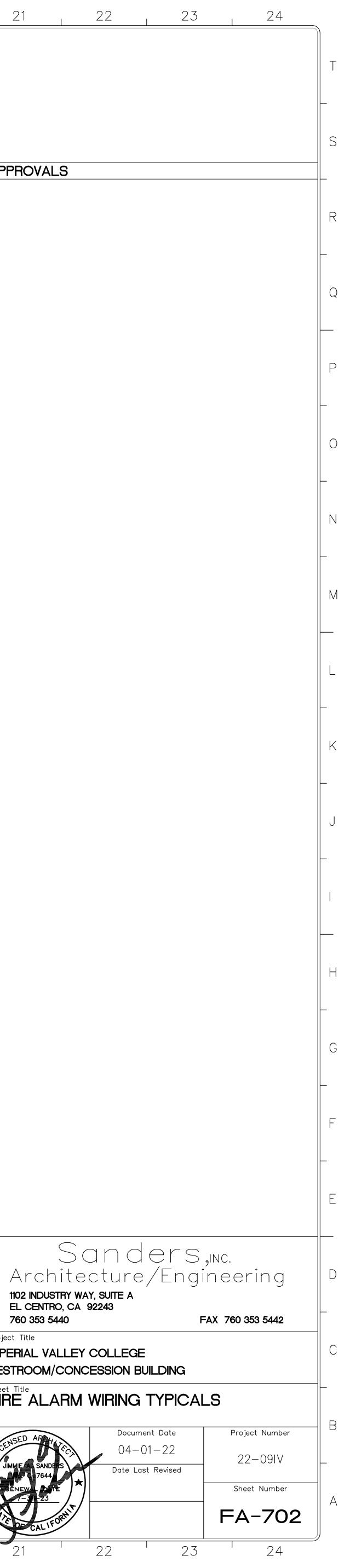
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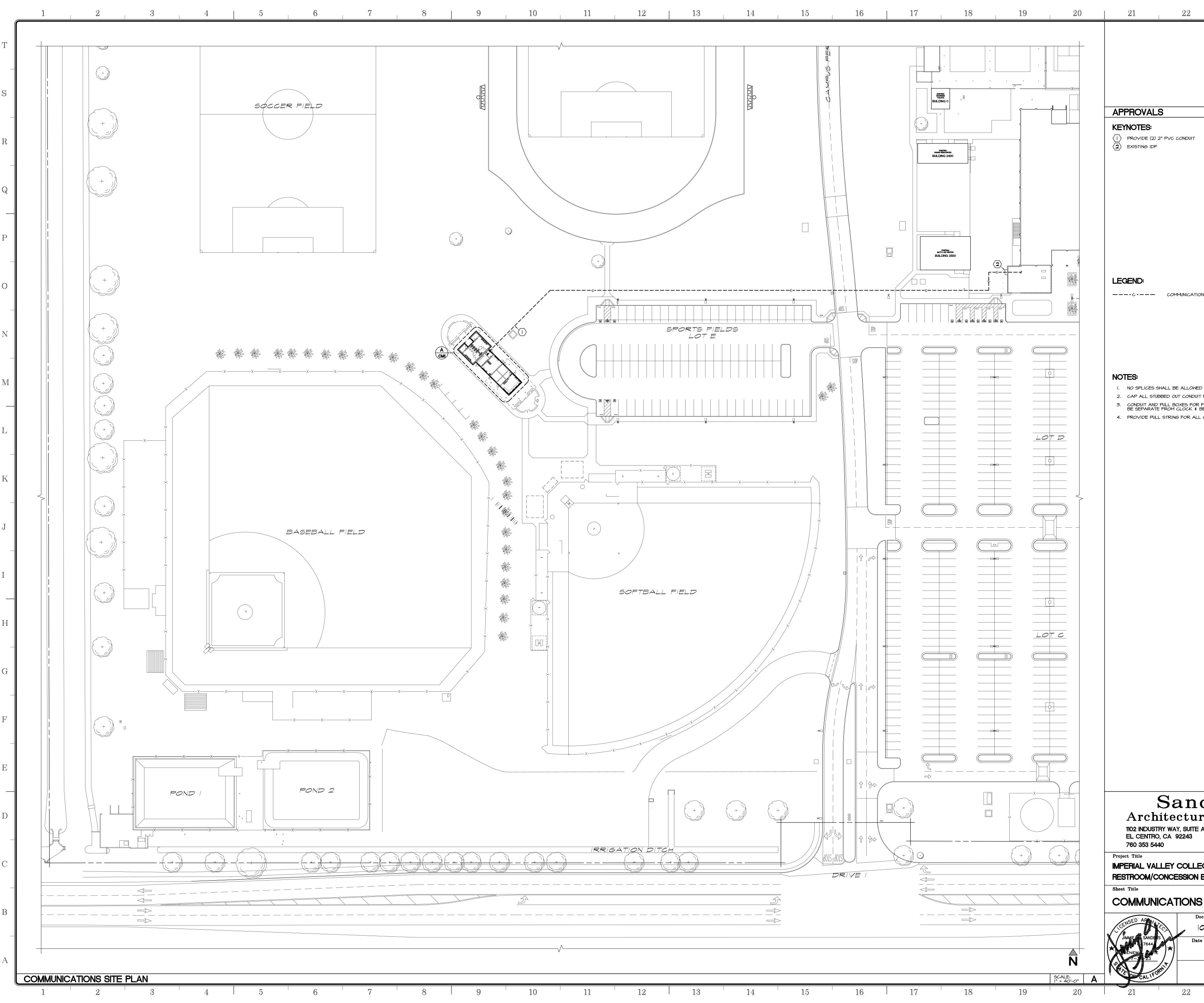


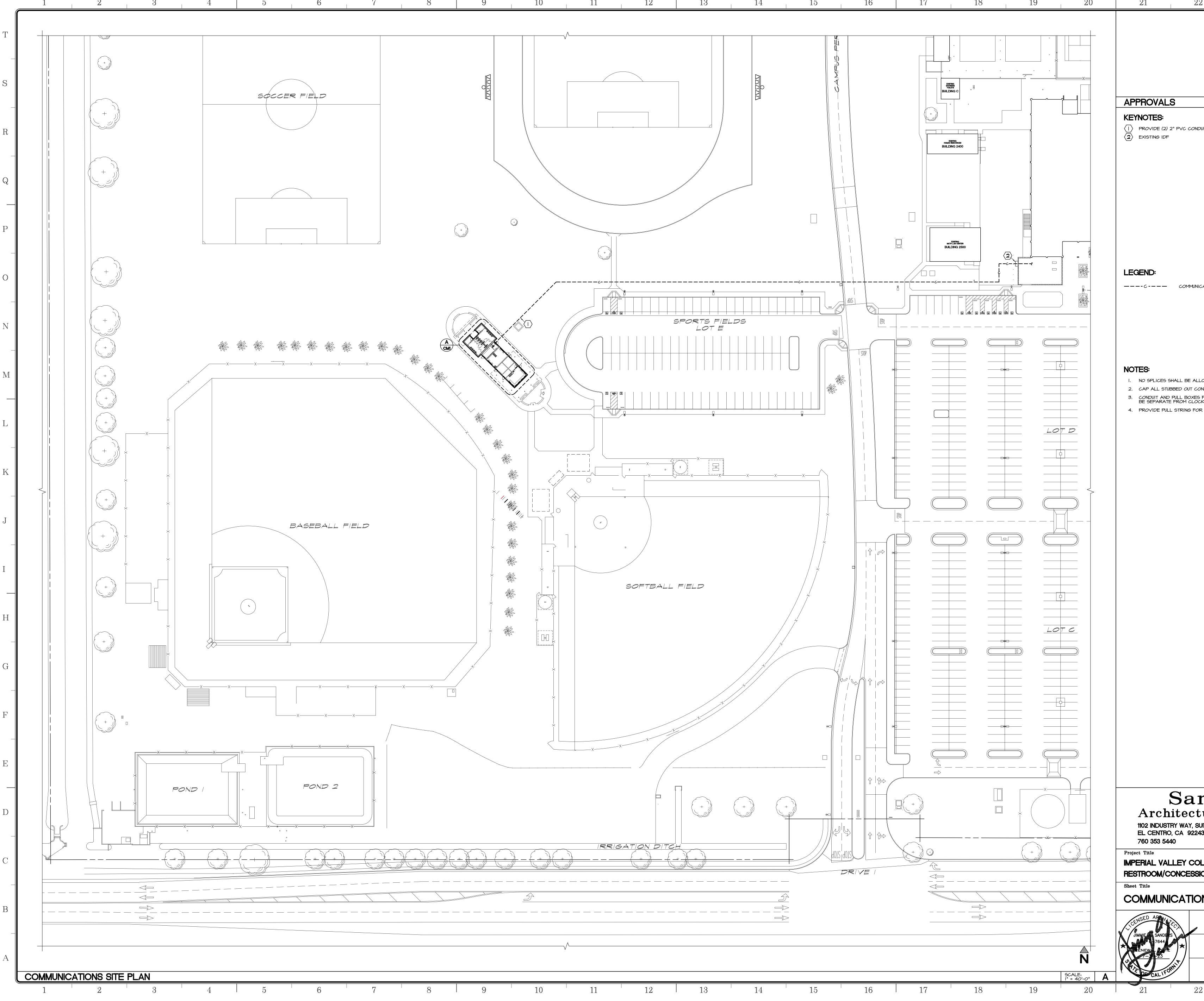


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/ 0 1	9	10		ΙZ	3	14

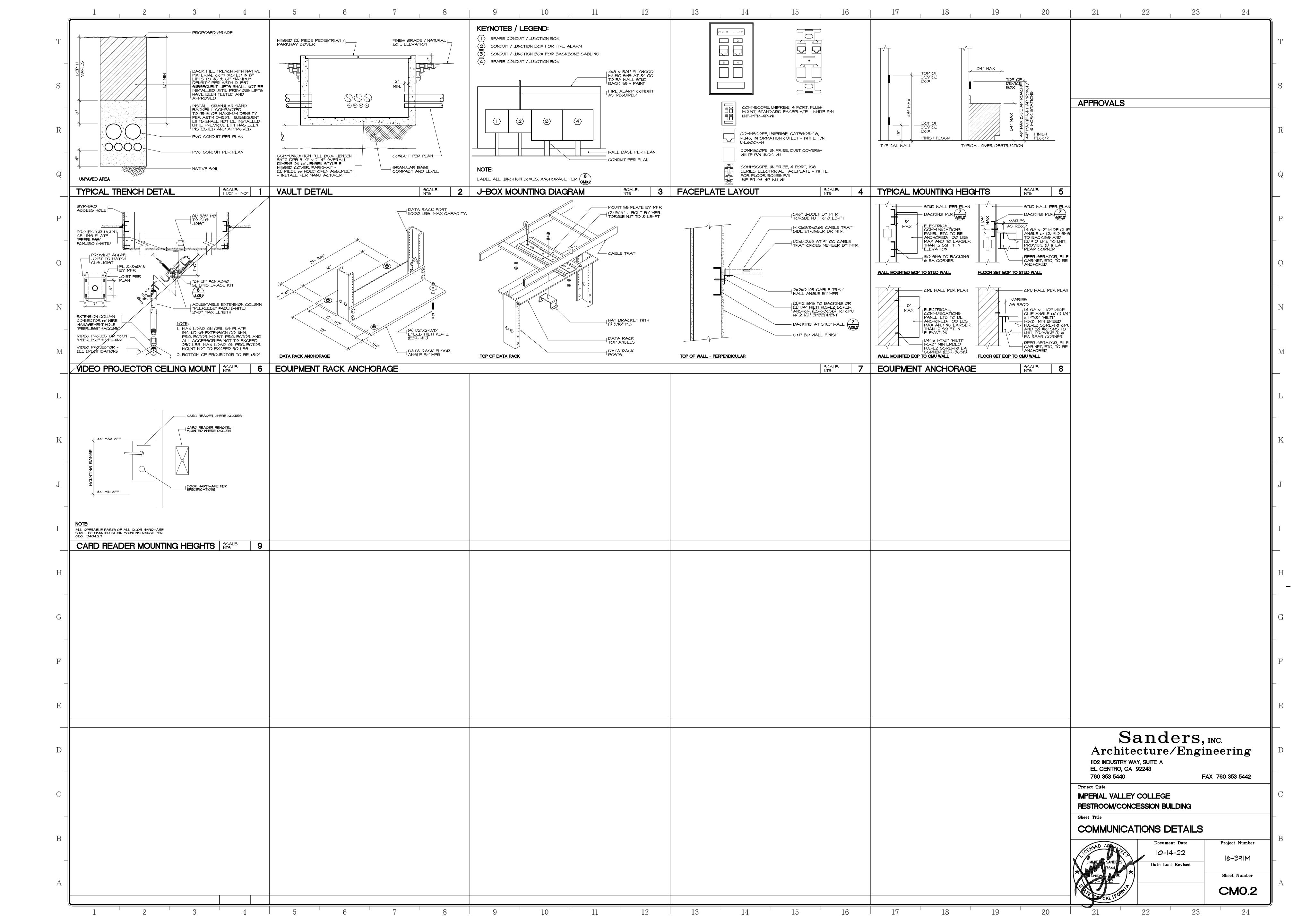
			ETTINGS - NOTIFICATION NAC 2 4 4 5 7 4 7 4 7 7 4 7 7 7 7 7 7 7 7 7 7	APPROVALS
15 16 17 18 19 20 21 22	JIMMIE A SANDERS 7644 7-1-23 7-1-23 7-1-23 7-1-23 7-1-23	102 INDUSTRY WA EL CENTRO, CA 760 353 5440 Project Title IMPERIAL VALLEY RESTROOM/CONC Sheet Title FIRE ALARM	Image: Boost of the system 6 22 38 54 70 86 102 118 Image: Boost of the system 7 23 39 55 71 87 103 119 Image: Boost of the system 8 24 40 56 72 88 104 120 Image: Boost of the system 9 25 41 57 73 89 105 121 Image: Boost of the system 10 26 42 58 74 90 106 122 Image: Boost of the system 11 27 43 59 75 91 107 123 Image: Boost of the system 13 29 45 61 77 93 109 125 Image: Boost of the system 14 30 46 62 78 94 110 126	2 4 8 16 32 64 128 1<



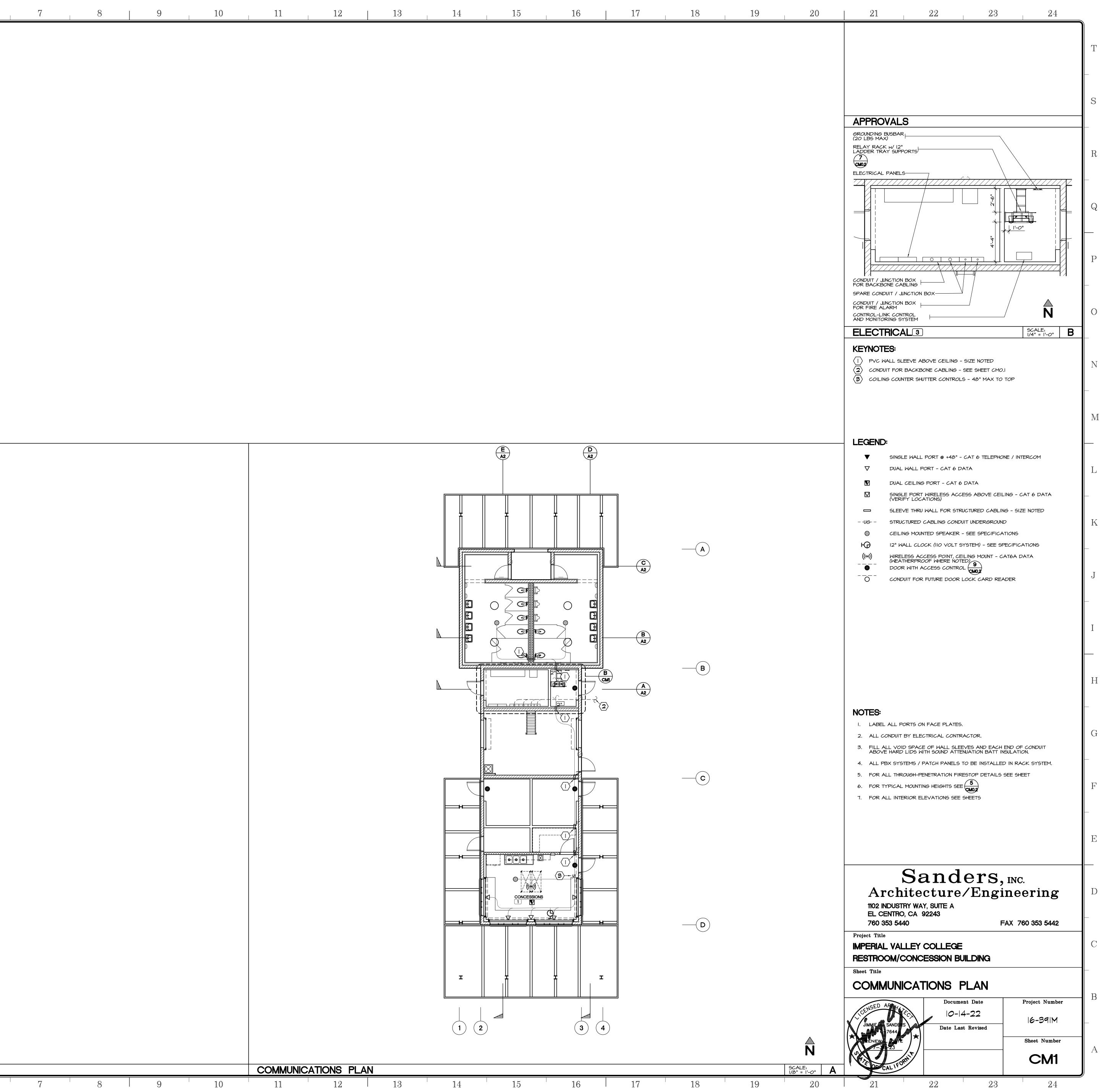




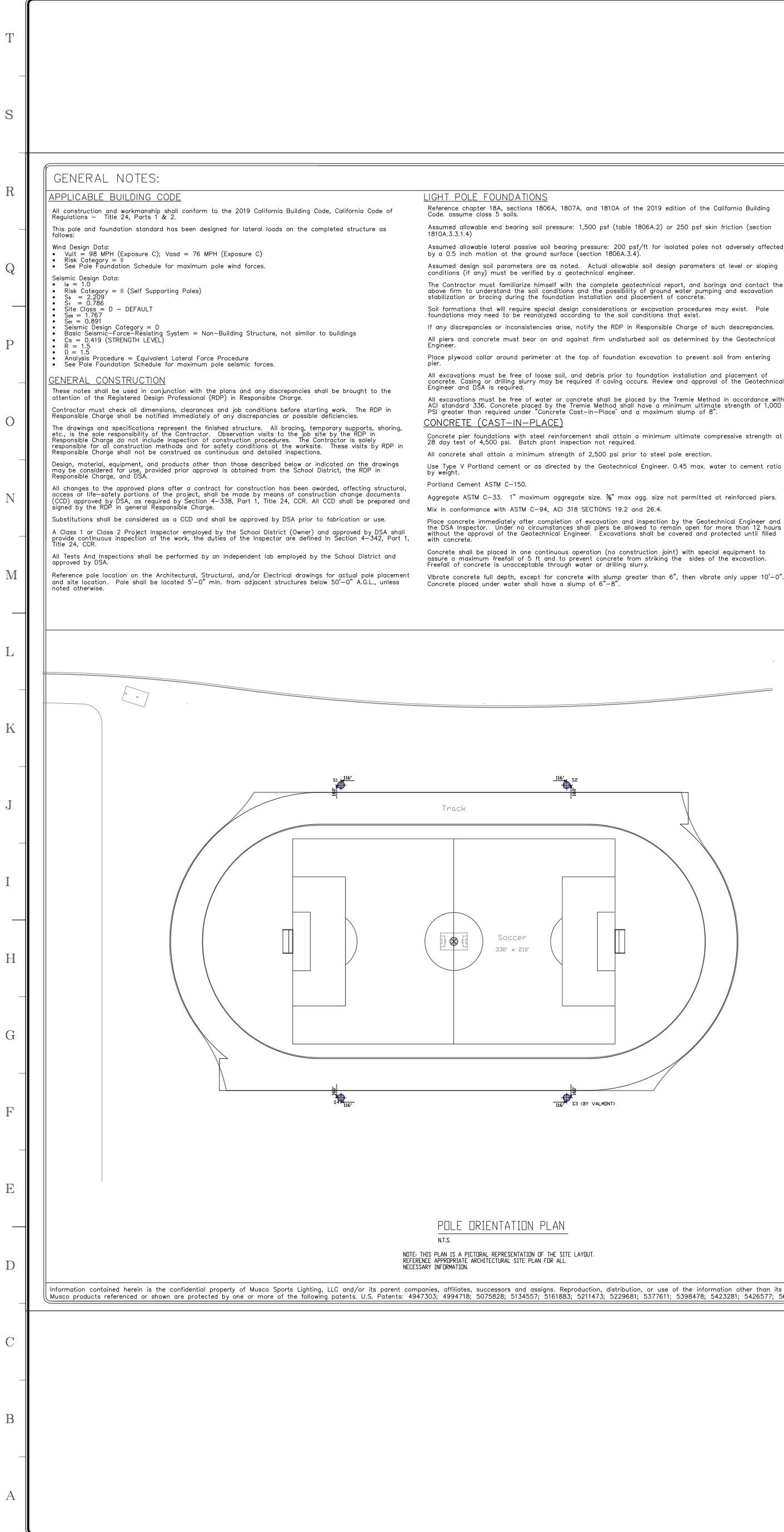
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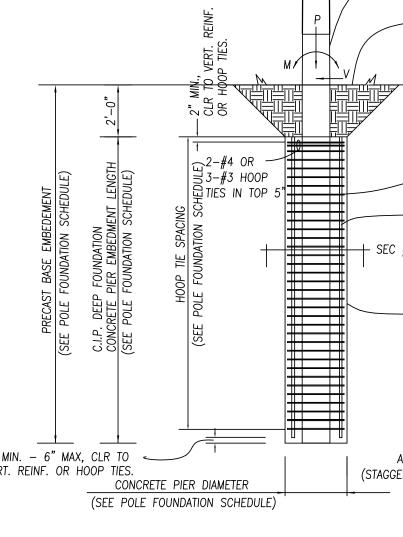
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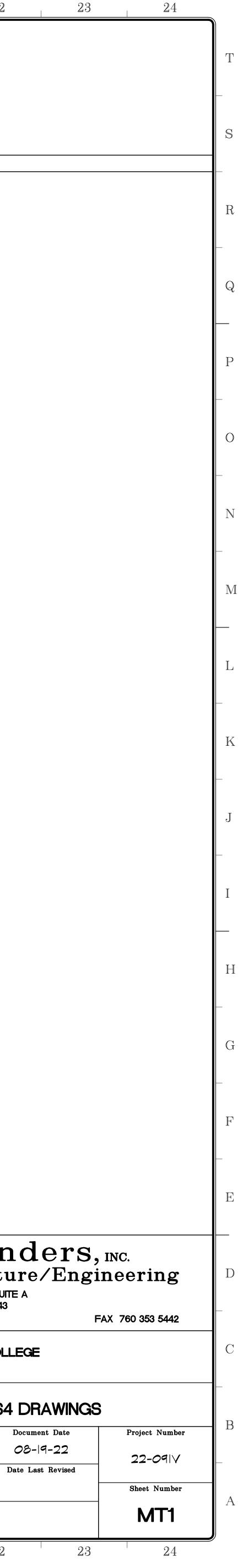
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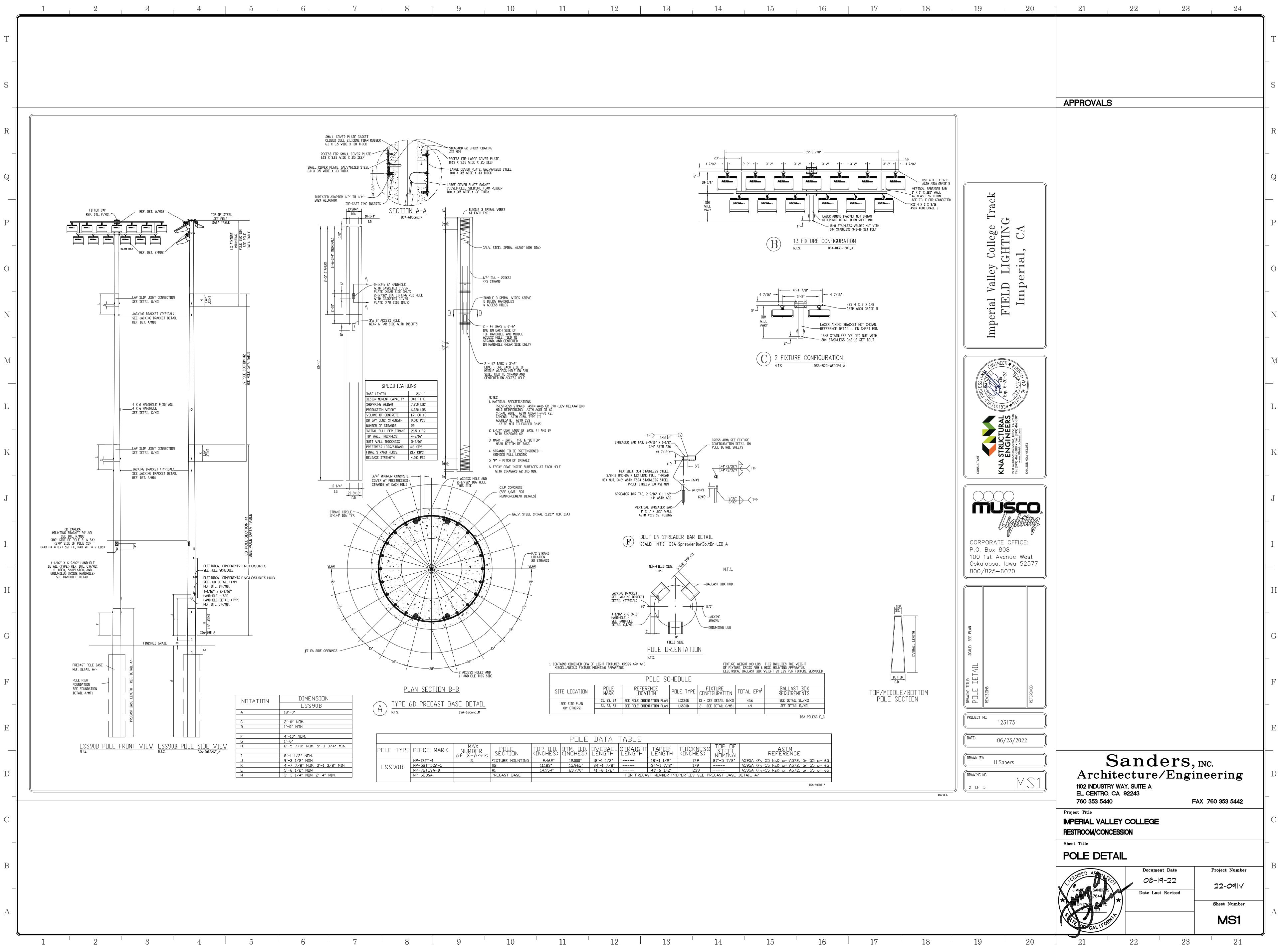
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sure: 1,500 psf (table 1806A.2 earing pressure: 200 psf/ft for face (section 1806A.3.4). noted. Actual allowable soil d geotechnical engineer. with the complete geotechnical ions and the possibility of gro ation installation and placemen design considerations or excave according to the soil condition rise, notify the RDP in Response d against firm undisturbed soil to the top of foundation excave bil, and debris prior to foundat e required if caving occurs. Re r concrete shall be placed by the Tremie Method shall have a te Cast-In-Place' and a maxir) forcement shall attain a minim inspection not required. ngth of 2,500 psi prior to ste ted by the Geotechnical Engine gregate size. ³ / ₈ " max agg. siz cl 318 SECTIONS 19.2 and 26.4	num ultimate compressive strength eel pole erection. eer. 0.45 max. water to cement ra ze not permitted at reinforced piers 4.	All steel conforms to refer All weldment conforms with fillet utilizing F7XX-EXXX GMAW procedure conforms SAW procedure conforms SAW procedure conforms SAW procedure conforms and Longitudinal seam welds f welds on the female secti- equal to the minimum spl the Pole sections hot dipped All miscellaneous structure Steel pole sections shall b using full effort on each detail G/MD1. M <u>PRECAST BASE</u> The precast concrete base Building Code Requirement See detail "A" on "MS" sh ical with OO Testing and inspection EXCAVATIONS & FOUNDATH Inspection of concrete aggre Reinforcing bar Prestressing st tio CONCRETE MATERIALS: 19 Portland cement Concrete aggre Reinforcing bar Prestressing st tio CONCRETE INSPECTION: 17 Job site - Refer Batch Plant In Prestressed concrete Data Plant In Prestressed concrete agare Strength tests Data Plant In Prestressed concrete Plant In Plant In	in accordance with Title 24, Po ONS: cast—in—place deep foundations 903A.1 nt — 1910A.1 cgates — 1903A.5 's — 1910A.2 & DSA IR 17—10 ceel and anchorages — 1910A.3 concrete — Reference ACI 318 of concrete — 1905A.1.15 and	 be Pole Data Table for ed r GMAW fillet utilizing E70 c minimum penetration; E hall be full penetration gr lrawing number MD1 for s standards. 360-16. taching two 1.5 ton "com num overlaps as indicated of Regulations, T.24, part 318-14. nd specifications. art 1 & Part 2 & project - 1705A.8 & Table 1705 Section 26.4.3.1 Through ACI 318 Section 26.12 & 	ach pole type). 'OS-X filler metal or SAW Except longitudinal seam roove welds for a length seam weld details. me alongs" to jacking ears, d on the "MS" sheet(s) and t 2, Chapter 19A and to t DSA 103 form. 15A.8 n 26.4.4.1. & 26.5.3.2.	of these draw secured to be INDEX MT1 NO MS1 90 MD1 AT MD2 AT	are for construction vings by the Division uild from these pland OF SHEE TES, FOUNDA B POLE DETA TACHMENT DE TACHMENT DE TACHMENT DE	ion of The State Ians. TION DETAIL ILS ETAILS ETAILS		ber and approval lifornia must be	perial Valley College Track FIELD LIGHTING	Imperial, C		
nces shall piers be allowed to Engineer. Excavations shall b ous operation (no construction to prevent concrete from striki ugh water or drilling slurry.	tion by the Geotechnical Engineer and remain open for more than 12 hou be covered and protected until filled joint) with special equipment to ting the sides of the excavation. an 6", then vibrate only upper 10'-	d STEEL WATCHLS. Structural stee Cold formed si Identification – High strength STEEL QUALITY: Tests of struc: Tests of high Shop fabricatic Welding – 170 High strength (Including Skidt	bolt identification — table 1705 tural steel & cold formed steel strength bolts, nuts, & washers	– 2202A.1 5 – 2213A.1 & DSA IR 17 D1.1. 2.1 & DSA IR 17–9 installation verification te	estina)						Im Image: Solution of the solu	SCALLENRA VIEW		
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				3" MIN. – 6" MAX, C VERT. REINF. OR HOC	C.I.P. DEEP FOUNDATION CONCRETE PIER EMBEDMENT (SEE POLE FOUNDATION SCHE HOOP TIE SPACING (SEE POLE FOUNDATION SCH	+ SEC #	- SEE POLE FOUND 1 CAST IN PLACE CON (VIBRATE CONCRETE & POUR AGAINST U	FOR FULL HEIGHT INDISTURBED SOIL GEOTECHNICAL ENGINEER). 6" LAP MIN. PRECAST BA	SE AND CONCRETE PIER EAR TO HOOP TIES		CORPORATE O P.O. Box 808 100 1st Aven Oskaloosa, lo 800/825-60	DFFICE: ue West wa 52577		
					A $\frac{RE}{N.T.S.}$		<u>oundation [</u> dsa-	DETAIL -a2-casfnd_a			DUNDATION DETAIL			
57 S3 (BY VALMENT)			(MAX) (LSS=LIGHT STRUCTURE) LSS90B-15 *Moment (M) computed	ARK POLE ITATION AN) S2, S4 WIND S2, S4 WIND below grade at Shear (V	ASD LEVEL FOR MOMENT (M) SHEAR FT-LBS* LBS TH 225,400 3,30 185,400 2,85 V) = 0.	(V) VERTICAL (P) DIAI LBS** ING 3 7,505 9 4,841	C.I.P. DEEP FOU METER EMBEDMENT VE FEET REIN (SEE NOTE (AS BELOW) G	ERTICAL NFORCING TM A615, GR 60) 12-#7 HOOP TIE SIZE & SPACING (ASTM A615, GR 60) #4 @ 5¼" O.C. TOP 10'-6" & #4 @ 10½" O.C. BELOW			PROJECT ND. 1231	73 8/2022		
N SITE LAYDUT. LL Reproduction, distribution, or u 383; 5211473; 5229681; 5377	use of the information other than 7611; 5398478; 5423281; 5426577;	its limited, intended purpose witho 5600537; 5794387; 5856721; 60	<u>Note:</u> Final Embedment to be	determined in the field t	ures, and attachments. Ver e above groundline. Referer by the Geotechnical Engined 110; 6833675; 6929385; 69	er of Record					DRAWN BY: H.Sabe DRAWING ND. 1 DF 5		Archi	
													Project Title IMPERIAL VAL RESTROOM/CON Sheet Title POLES S1,	LEY COLLEC
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		These p	lans
	STEEL POLE	of these	
A, and 1810A of the 2019 edition of the California Building	Steel pole sections conform to the California Code of Regulations T.24, Part 2, Chapter 22A.	secured	
1 500	All steel conforms to referenced ASTM specifications. (See Pole Data Table for each pole type).		
1,500 psf (table 1806A.2) or 250 psf skin friction (section pressure: 200 psf/ft for isolated poles not adversely affected (section 1806A.3.4).	All weldment conforms with AWS D1.1—15 specification for GMAW fillet utilizing E70S—X filler metal or SAW fillet utilizing F7XX—EXXX or F8XX—EXXX filler metal. GMAW procedure conforms to AWS A5.18. SAW procedure conforms to AWS A5.23.	IND	ΈX
. Actual allowable soil design parameters at level or sloping sechnical engineer.	Longitudinal seam welds for pole sections shall have 60% minimum penetration; Except longitudinal seam welds on the female section of telescopic field splices shall be full penetration groove welds for a length equal to the minimum splice length plus 6 inches. See drawing number MD1 for seam weld details.	MT1	N
the complete geotechnical report, and borings and contact the and the possibility of ground water pumping and excavation installation and placement of concrete.	Pole sections hot dipped galvanized to ASTM A123 latest standards.	MS1	9(
'	All miscellaneous structural steel items conform to AISC 360-16.	MD1	A
considerations or excavation procedures may exist. Pole ding to the soil conditions that exist.	Steel pole sections shall be assembled in the field by attaching two 1.5 ton "come alongs" to jacking ears, using full effort on each simultaneously, to ensure minimum overlaps as indicated on the "MS" sheet(s) and		
notify the RDP in Responsible Charge of such descrepancies.	detail G/MD1.	MD2	A
inst firm undisturbed soil as determined by the Geotechnical	<u>PRECAST BASE</u>	MD3	А
top of foundation excavation to prevent soil from entering	The precast concrete base conforms to California Code of Regulations, T.24, part 2, Chapter 19A and to Building Code Requirements for Reinforced Concrete, ACI 318—14.		
d debris prior to foundation installation and placement of uired if caving occurs. Review and approval of the Geotechnical	See detail "A" on "MS" sheet(s) for material strengths and specifications.		
crete shall be placed by the Tremie Method in accordance with emie Method shall have a minimum ultimate strength of 1,000 st-In-Place' and a maximum slump of 8". nent shall attain a minimum ultimate compressive strength at ction not required. of 2,500 psi prior to steel pole erection. y the Geotechnical Engineer. 0.45 max. water to cement ratio te size. ¾" max agg. size not permitted at reinforced piers. SECTIONS 19.2 and 26.4. of excavation and inspection by the Geotechnical Engineer and	 Testing and inspection in accordance with Title 24, Part 1 & Part 2 & project DSA 103 form. EXCAVATIONS & FOUNDATIONS: Inspection of cast-in-place deep foundations - 1705A.8 & Table 1705A.8 CONCRETE MATERIALS: 1903A.1 Portland cement - 1910A.1 Concrete aggregates - 1903A.5 Reinforcing bars - 1910A.2 & DSA IR 17-10 Prestressing steel and anchorages - 1910A.3 CONCRETE QUALITY: Proportions of concrete - Reference ACI 318 Section 26.4.3.1 Through 26.4.4.1. Strength tests of concrete - 1905A.1.15 and ACI 318 Section 26.12 & 26.5.3.2. CONCRETE INSPECTION: 1705A.3 & Table 1705A.3 Job site - Reference ACI 318 Section 26.5.1.2(a) & (b),26.6.1.2(d), 26.11.1.1(a). Batch Plant Inspection Not Required - 1705A.3.3.2 Prestressed concrete - 1704A.2.5, 1705A.3.4 STEEL MATERIALS: 		
shall piers be allowed to remain open for more than 12 hours neer. Excavations shall be covered and protected until filled peration (no construction joint) with special equipment to event concrete from striking the sides of the excavation. vater or drilling slurry. te with slump greater than 6", then vibrate only upper 10'-0". np of 6"-8".	 STEEL MATELIAS. Structural steel - 2202A.1 & 2205A.1 Cold formed steel - 2210A.1 Identification - 2202A.1 High strength bolt identification - table 1705A.2.1 & DSA IR 17-9 STEEL QUALITY: Tests of structural steel & cold formed steel - 2202A.1 Tests of high strength bolts, nuts, & washers - 2213A.1 & DSA IR 17-8 STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1 Shop fabrication inspection - 1704A2.5 Welding - 1705A.2.5, DSA IR 17-3 and AWS D1.1. High strength bolt installation - Table 1705A.2.1 & DSA IR 17-9 (Including Skidmore-Wilhelm bolt tension pre-installation verification testing) (NOTE: ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN AWS CWI CERTIFIED INSPECTOR APPROVED BY DSA) 		

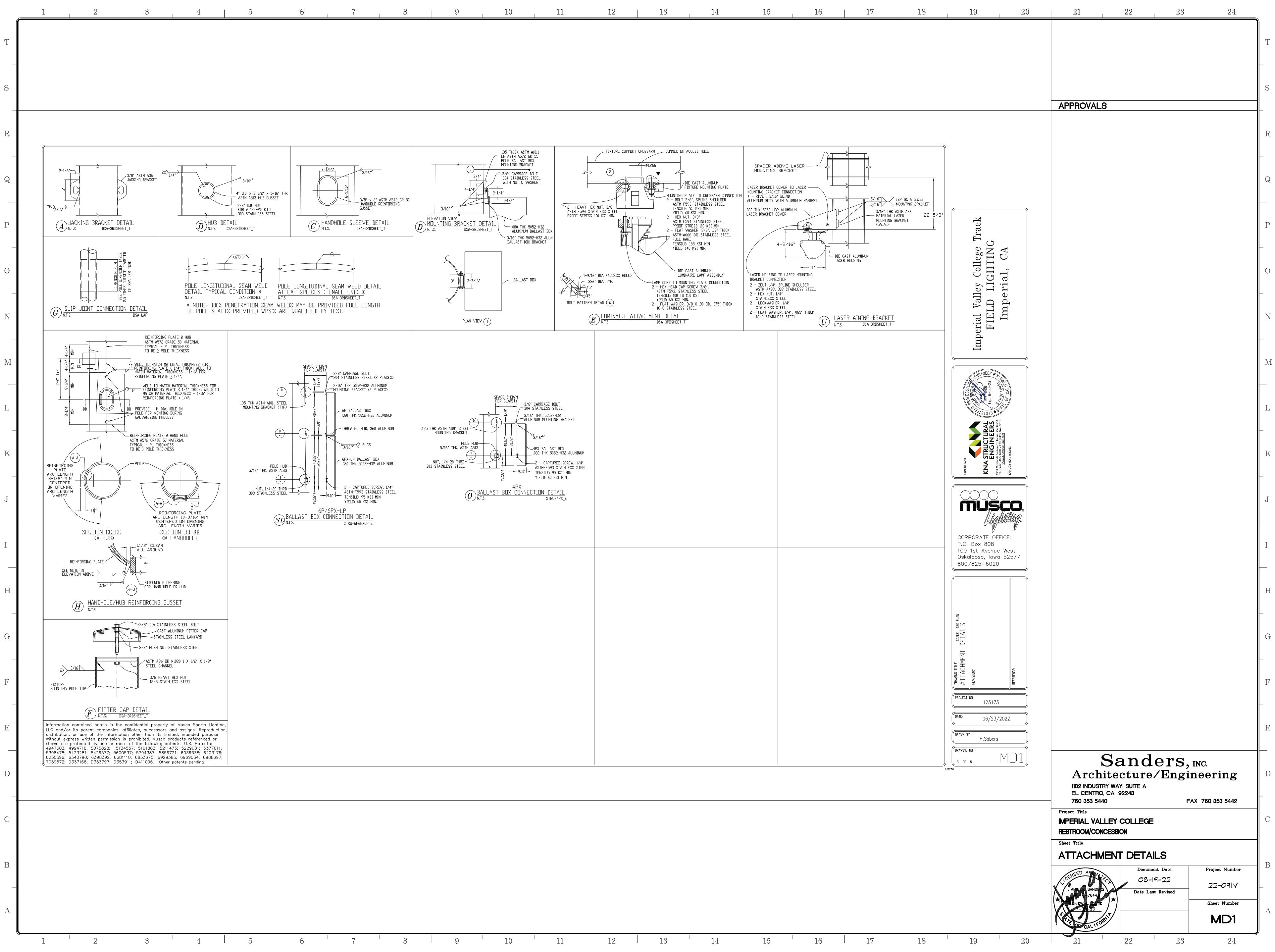


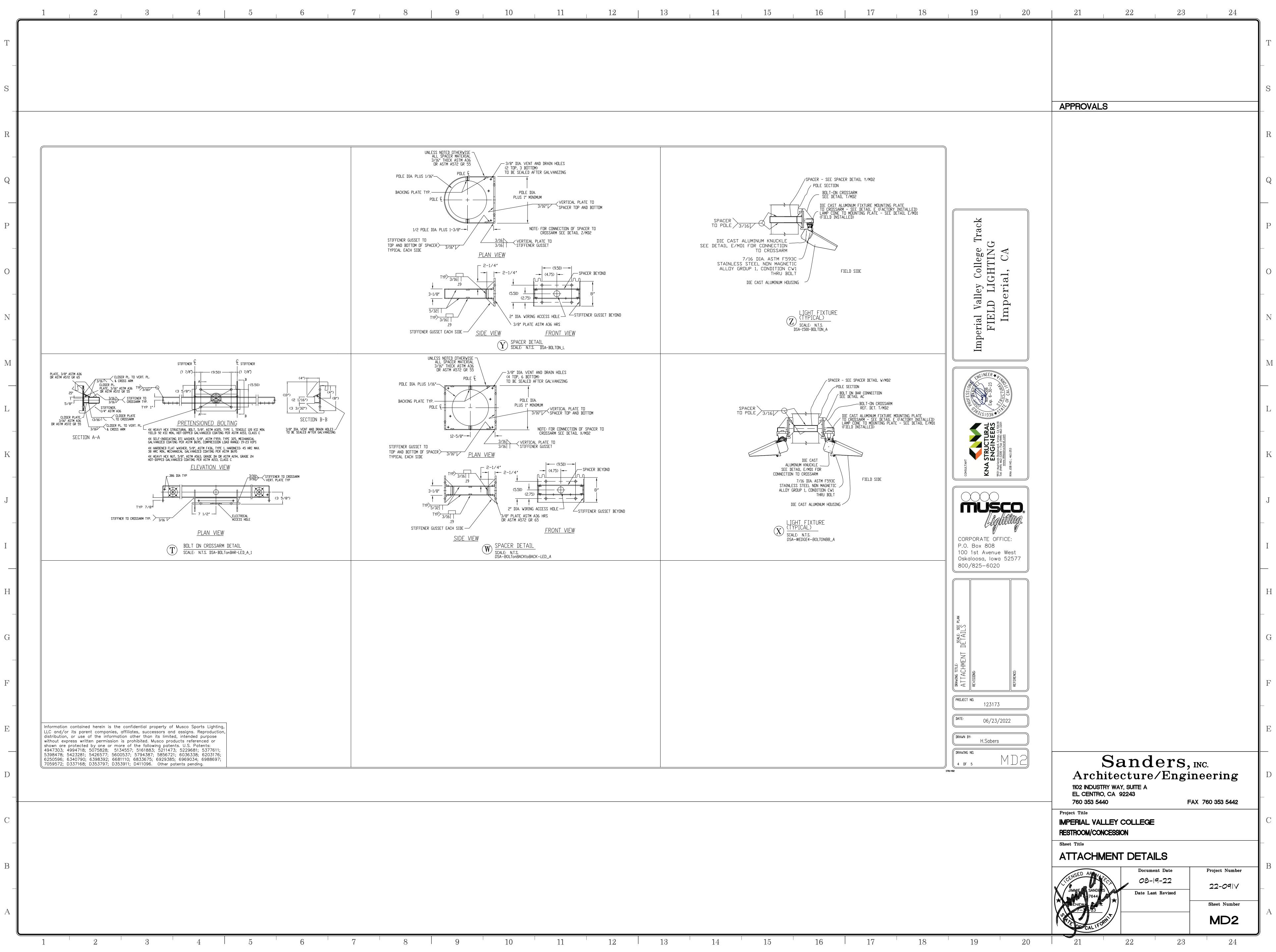
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to the California Code of Regu ced ASTM specifications. (See AWS D1.1-15 specification for F8XX-EXXX filler metal. AWS A5.18. AWS A5.23. pole sections shall have 60% r of telescopic field splices shal length plus 6 inches. See dro vanized to ASTM A123 latest s teel items conform to AISC 3 assembled in the field by atta ultaneously, to ensure minimur onforms to California Code of or Reinforced Concrete, ACI 3 c(s) for material strengths and <u>CTION</u> accordance with Title 24, Part S: in-place deep foundations - A.1 - 1910A.1 ces - 1903A.5 - 1910A.2 & DSA IR 17-10 and anchorages - 1910A.3	Pole Data Table for each p GMAW fillet utilizing E70S-3 minimum penetration; Excep Il be full penetration groove awing number MD1 for seam standards. 60-16. ching two 1.5 ton "come a m overlaps as indicated on Regulations, T.24, part 2, 18-14. d specifications.	oole type). (filler metal or SAW t longitudinal seam welds for a length weld details. longs" to jacking ears, the "MS" sheet(s) and Chapter 19A and to	of these dr secured to INDEX MT1 N MS1 9 MD1 A MD2 A	are for const awings by the build from the (OFSH OTES, FOUN OB POLE D TTACHMENT ATTACHMENT	Division of Th se plans. IEETS IDATION D ETAILS DETAILS I DETAILS	ETAIL		er and approval ornia must be	y Colle	perial, CA		
ncrete — Reference ACI 318 S concrete — 1905A.1.15 and A A.3 & Table 1705A.3 nce ACI 318 Section 26.5.1,26 ction Not Required — 1705A.3 ete — 1704A.2.5, 1705A.3.4	Cl 318 Section 26.12 & 26	.5.3.2.							mperial V	Im		
2202A.1 & 2205A.1 - 2210A.1 202A.1 i identification - table 1705A. In steel & cold formed steel - ength bolts, nuts, & washers - DNS: Table 1705A.2.1 nspection - 1704A2.5 2.5, DSA IR 17-3 and AWS D1	- 2202A.1 - 2213A.1 & DSA IR 17-8								ENGINEE/			
Los Don In Table 1705A.2. re-Wilhelm bolt tension pre-in NG SHALL BE CONTINUOUSLY I PROVED BY DSA)	1 & DSA IR 17–9 stallation verification testine INSPECTED BY AN AWS CWI INSPECTED BY AN AWS CWI (SEE DOILE FOUNDATION SCHEDULE) 3" MIN. – 6" WAX, CLR VERT. REINF. OR HOOP TI (SEE (SEE	CERTIFIED (SEE FOUNDATION SCHEDULE) (SEE FOUNDATION SCHEDULE)	ATION SC	(SEE POLE CUT BACK S IN ADDITION INSURE CLEJ AND DURING HOOP TIES VERTICAL RE – SEE POLE #1 CAST IN PLA (VIBRATE CO & POUR AG AS APPROVE HOOP TIES W/ 13E AROUND ADJACENT VERT SER HOOK LOCATIONS 90 FOUNDATIC	JSCO LIGHTING, INC. SCHEDULE) SPALL & ADD PLYWOOL TO OTHER WORK NEEL AN EXCAVATION PRIOR PLACING OF CONCRE (ASTM A615, GR. 60) INFORCING (ASTM A615 FOUNDATION SCHEDU ACE CONCRETE INFORCING (ASTM A615 FOUNDATION SCHEDU ACE CONC	DED TO TO TO TE - SEE POLE FOUND 5, GR. 60) ILE (NO SPLICE) IGHT OIL ENGINEER). ILAP MIN. - PRECAST BASE AND -	CONCRETE PIER HOOP TIES		CORPORATE P.O. Box 80 100 1st Ave Oskaloosa, 1 800/825-60	ENGINERS P331 Muritands Bouleward, Irvine, CA 2618 P331 Muritands Bouleward, Irvine, CA 2618 P331 Muritands Bouleward, Irvine, CA 2618 P200 P202		
POLE TYPE-# OF FIXTURES (MAX) (LSS=LIGHT STRUCTURE) LSS90B-15 *Moment (M) computed be **Vertical (P) load includes for seismic also includes w	POLE ATION N) (SEISMIC FORCE INCLUDES OVERSTRENGTH FACTOR=1.5) 2, S4 (WIND elow grade at Shear (V) = s steel pole, light fixtures.	and attachments. Vertica	VERTICAL (P) D LBS** 7,505 4,841	IAMETER EMBEDMEN INCHES FEET (SEE NOTE BELOW) 42" 16'-0"	EINFORCING (ASTM A615, GR 60) (A 12-#7 #4 12-#7 #4	B HOOP TIE EMBE SIZE & F SPACING STM A615, GR 60) F @ 5¼" 0.C. DP 10'−6" & 18 @ 10½" 0.C. BELOW	CAST ASE DMENT EET '-0"		REVISIONS:	цёнке ч 173 28/2022		
Note: Final Embedment to be de express written permission is 338; 6203176; 6250596; 634	etermined in the field by th	ne Geotechnical Engineer o	of Record			096. Other patents	pending.		DRAWN BY: H.Sat DRAWING ND. 1 DF 5	$\frac{1}{M \top 1}$	Archi	
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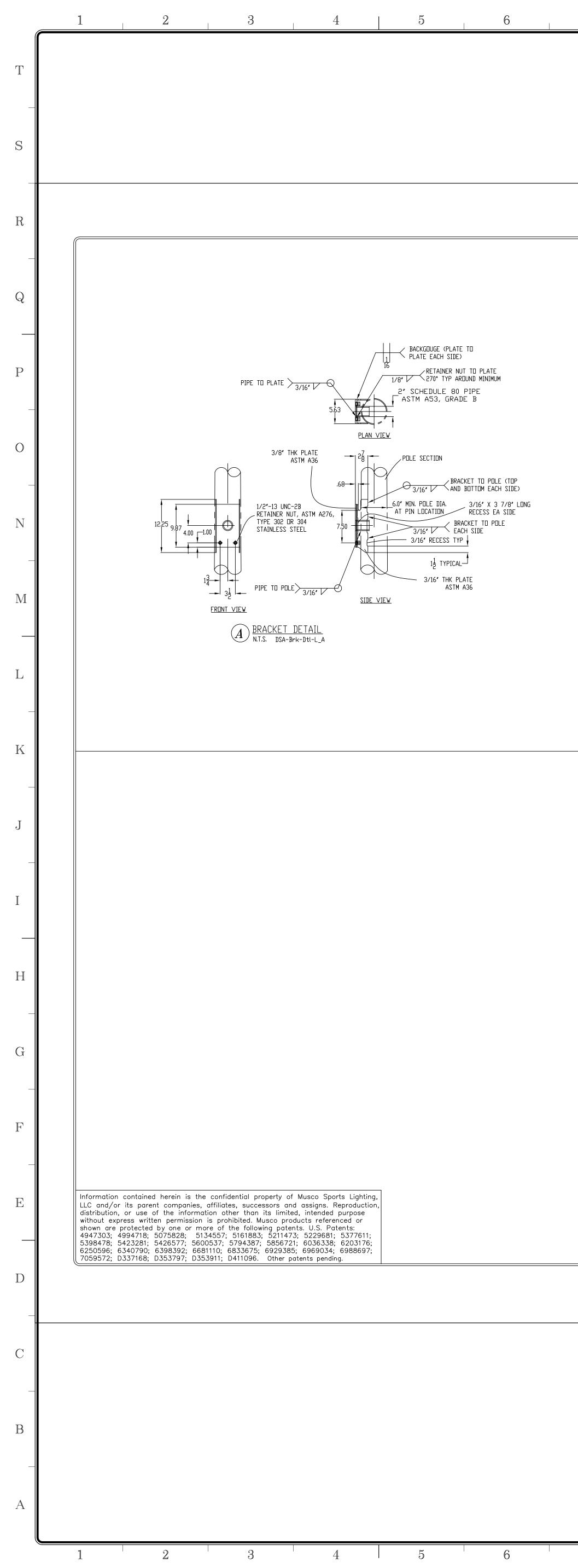


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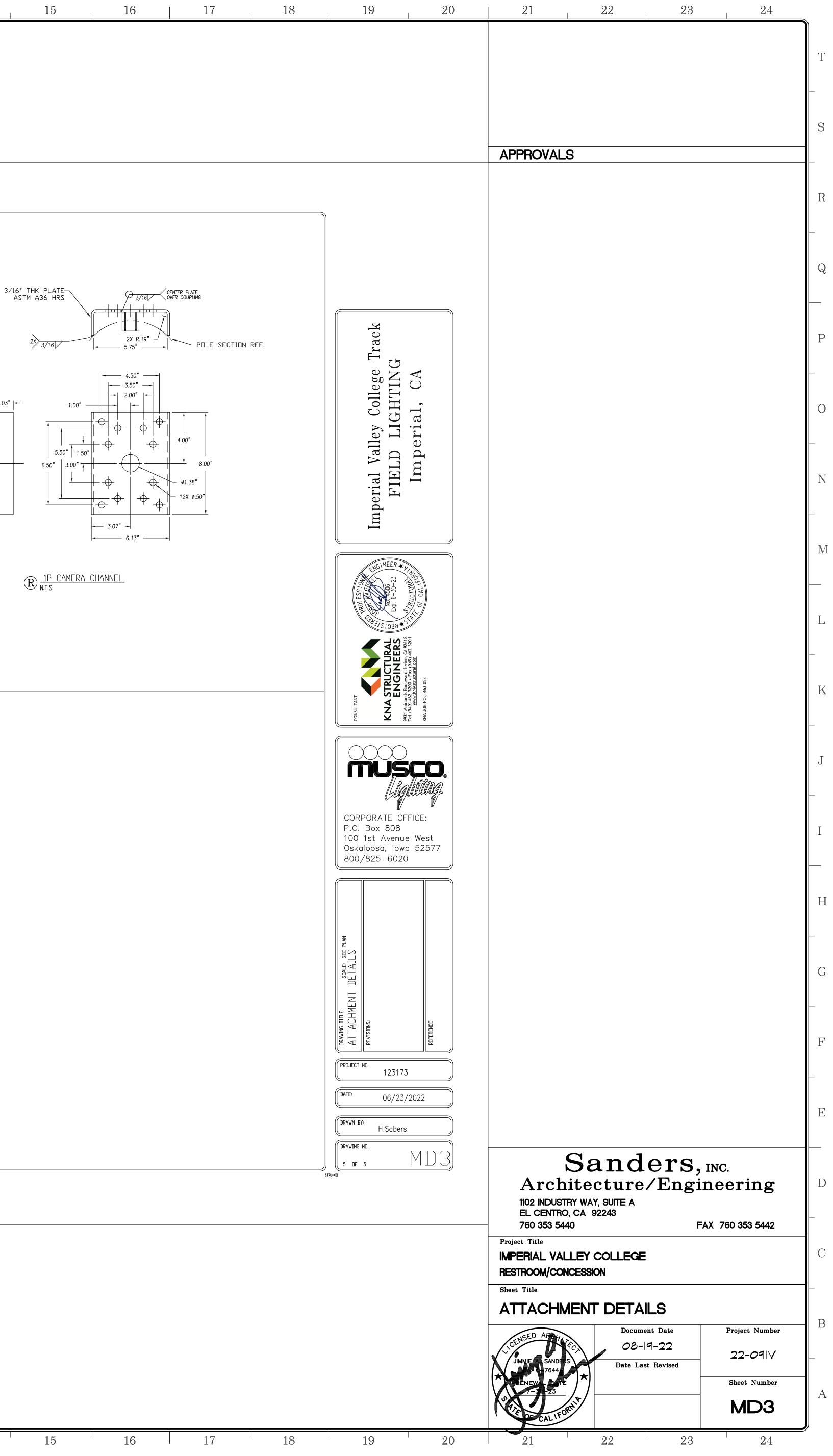


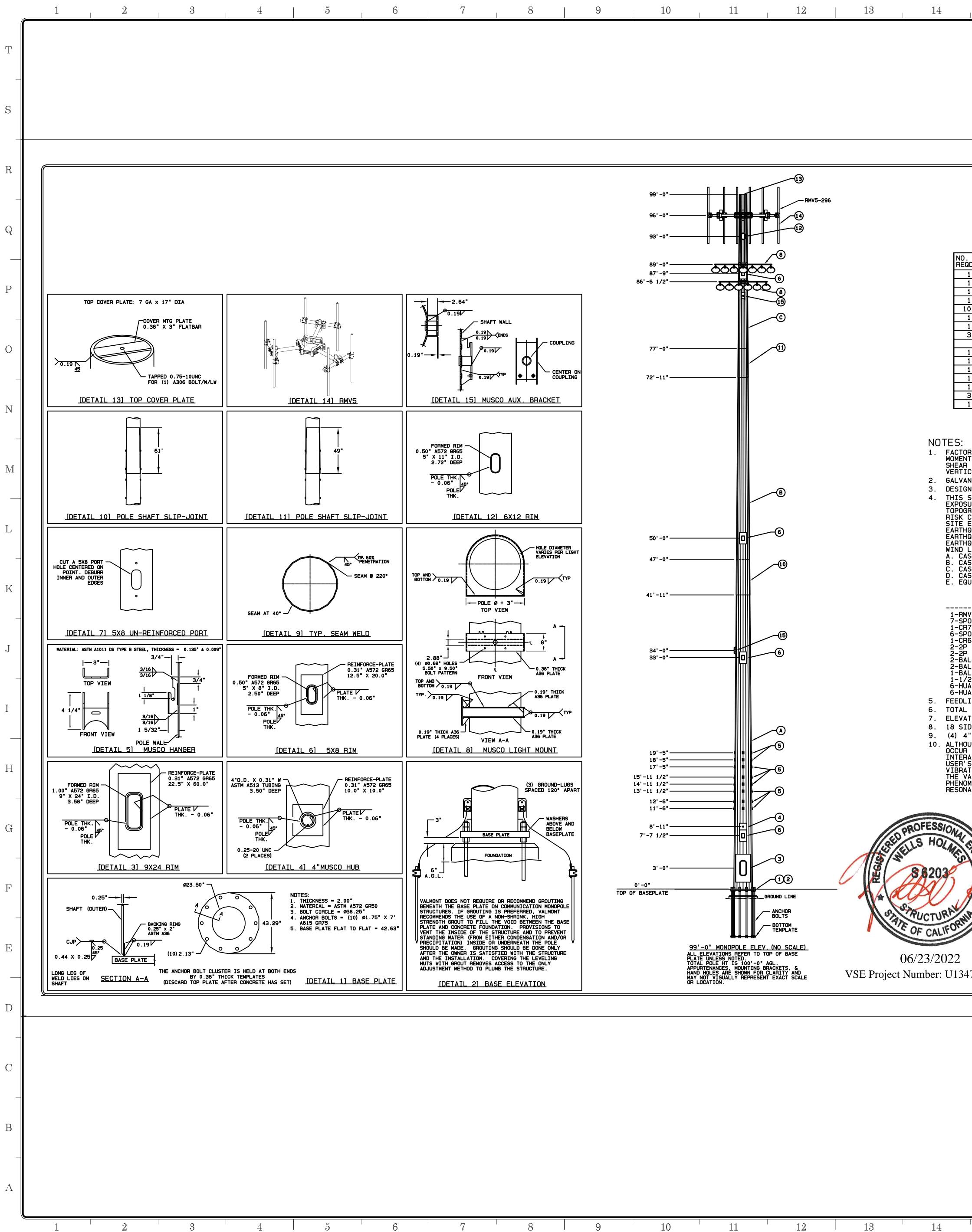
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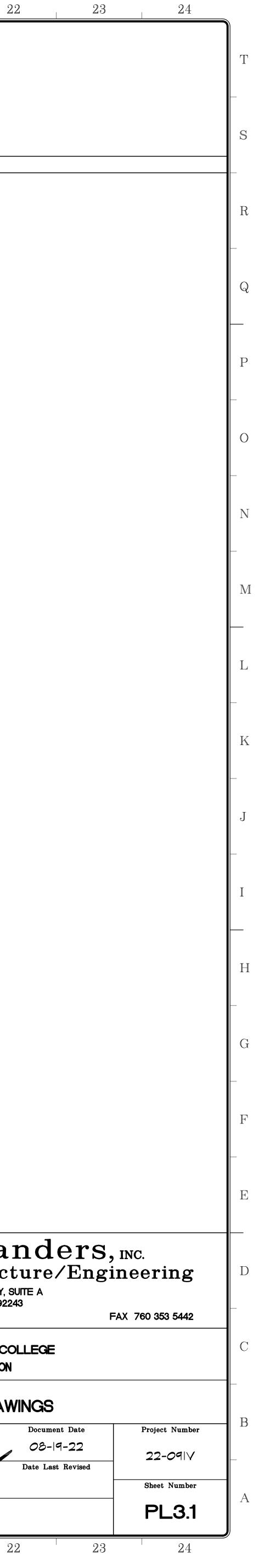
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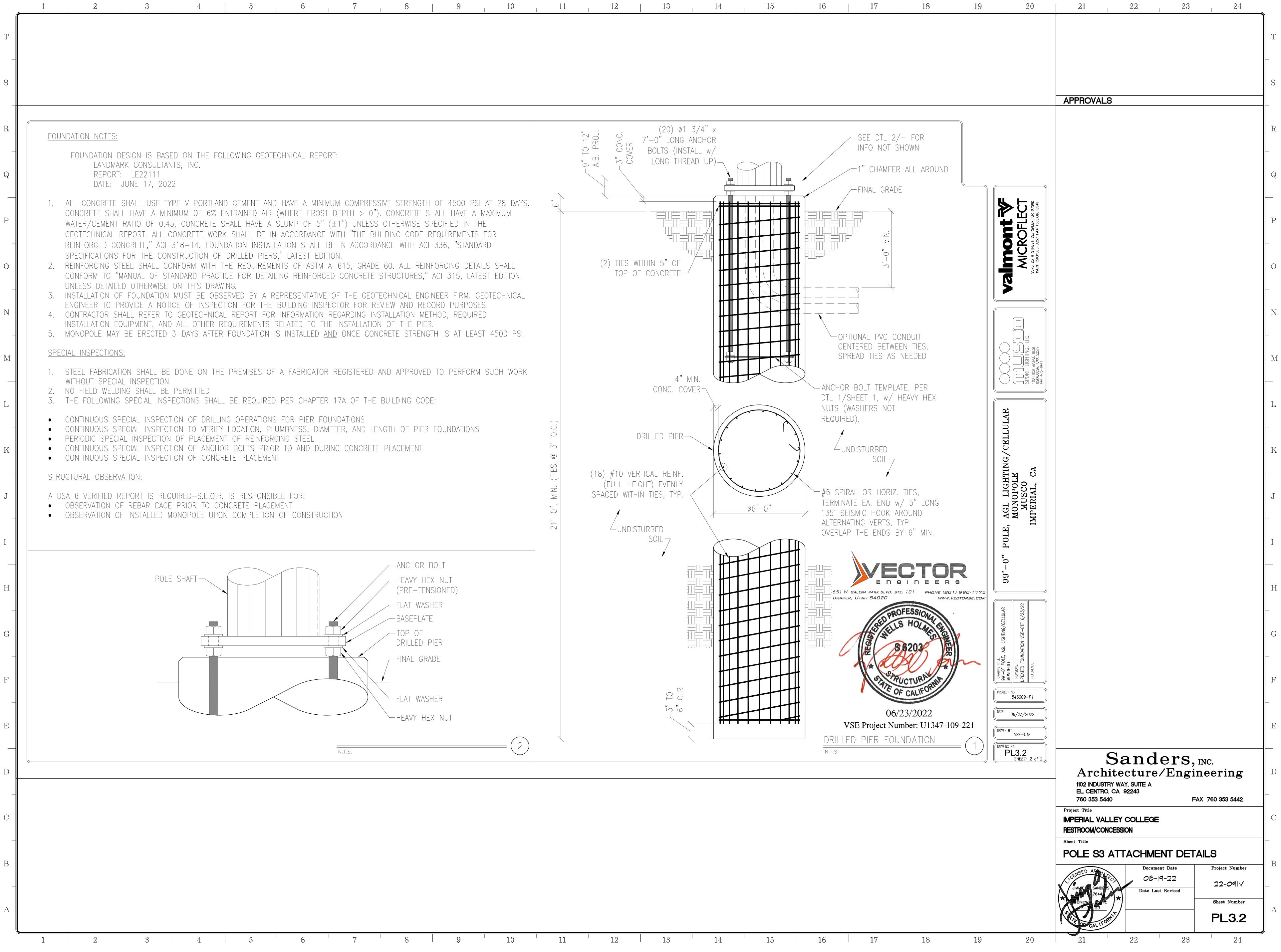
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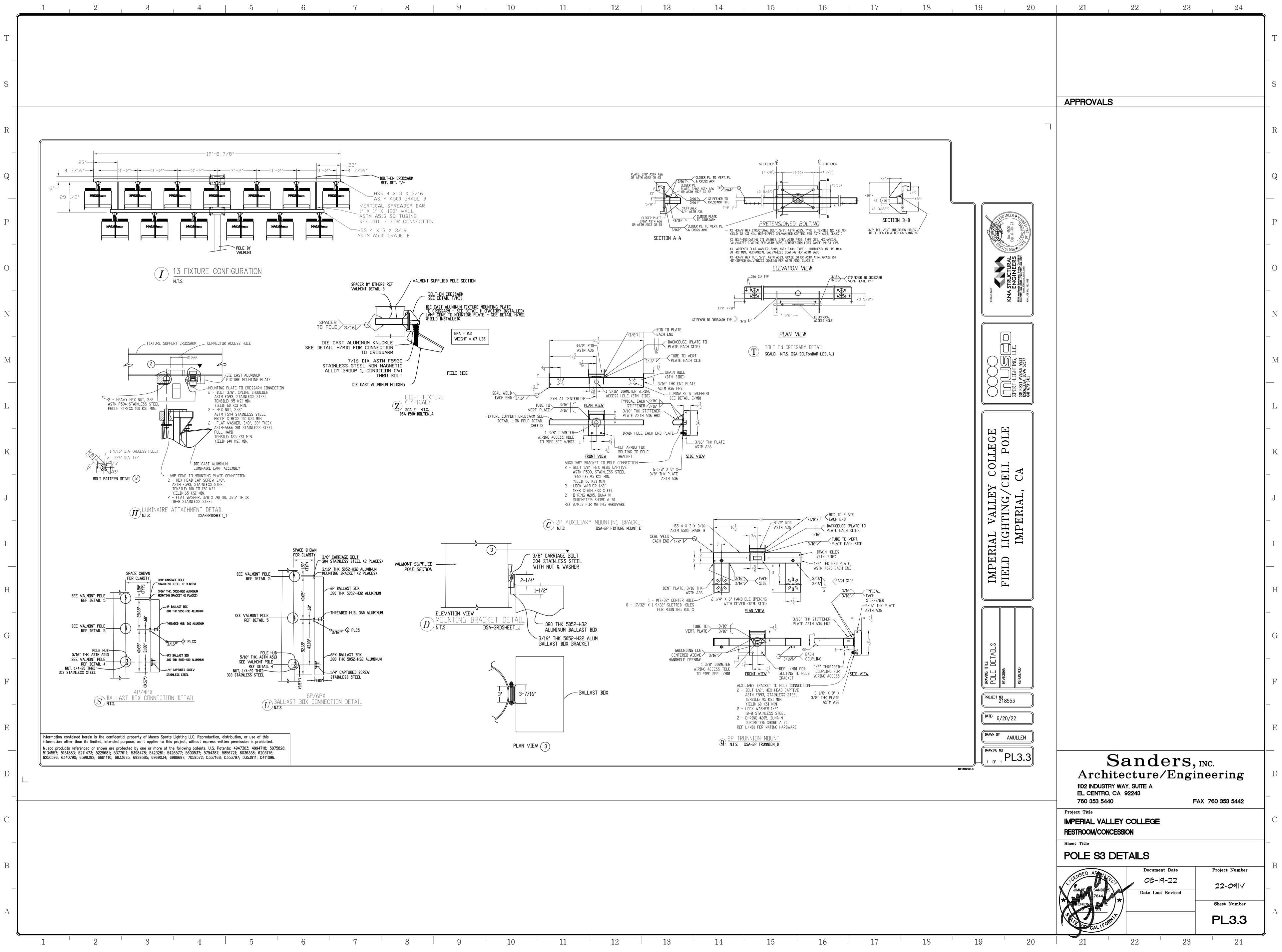




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		APPROVALS	
SECTION INFORMATION ITEM ID LENGTH BASE OD TOP OD THK MATL A 47'-0.00" 32.00" 22.62" 0.250" A572 65 KSI			
A 47 6.00 32.00 22.02 0.230 A372 03 K31 B 35' - 1.00" 24.01" 17.01" 0.188" A572 65 KSI C 26' - 1.00" 18.20" 13.00" 0.188" A572 65 KSI			
UNIT WEIGHT (LBS)WEIGHT (LBS)1SECTION A VALMONT S-22 0.250" THK (A572 GR65)3,4163,4163,4161SECTION B VALMONT S-22 0.188" THK (A572 GR65)1,435			
1 SECTION C VALMONT S-22 0.188" THK (A572 GR65) 808 808 1 BOTTOM CAGE PLATE 78 78 10 1.75" ANCHOR BOLT, LENGTH=7.00' A615 GR75 78 779 1 BASE PLATE VALMONT S-56 2.000" THK (A572 GR50) 552 552	MCROFLEC		
1TOP CAGE PLATE (REMOVE BEFORE SETTING POLE)1021023GROUNDING LUG26GALVANIZING1831831HAND HOLE HVY (9" x 24")6666	MCROFI S 25TH STREET SE, SALEY IN (503)363-9267 FAX (50		
1 HAND HOLE (5" x 8") @ 270° 15 1 HAND HOLE (5" x 8") @ 270° 15 1 HAND HOLE (5" x 8") @ 180° 15			
1 HAND HOLE (5" x 8") @ 270° 15 15 3 HAND HOLE STD (6" x 12") 22 66 1 POLE CAP 11 11			
DRED BASE REACTIONS NT = 7,943 IN-KIPS R = 10,326 # ICAL = 10,860 # ANIZED PER ASTM A-123.	SPIRT-LIGHTING, L SPIRT-LIGHTING, L Iskalinga, inna Sesti G41-673-0411		
GN CRITERIA: TIA-222-H STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING LOADING: SURE CATEGORY = C GRAPHY CATEGORY = 1	SPIRT-L SYDRT-L 641-673-041		
CATEGORY = III ELEVATION = -61 FT HQUAKE SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS SS = 2.23 HQUAKE SPECTRAL RESPONSE ACCELERATION AT ONE SECOND S1 = 0.80 HQUAKE SITE CLASS = E			
LOAD CASES ARE BASED ON 3 SECOND GUST AND 1700 YEAR MRI ASE 1: WIND = 116 MPH WIND SPEED ASE 2: WIND = 60 MPH WIND SPEED ASE 3: SEISMIC ASE 4: SEISMIC	ELLULA		
ABP ABP MTG CENTROID WITHOUT ICE WITH ICE HT. HT. EPA WT EPA WT DESCRIPTION (FT) (FT**2) (LBS) (FT**2) (LBS)	G/C		
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P LED-40089.0089.0020.0020020.00200P TRUNNION SPEAKERS34.0034.0020.0020020.00200ALLAST BOX 6PX18.0018.0014.2010014.20100ALLAST BOX 6PX16.0016.0014.2010014.20100	ERJ ERJ		
ALLAST BOX 4PX 12.50 12.50 5.50 50 5.50 50 /2" X 4' LIGHTNING ROD LIGH 99.00 101.00 0.20 14 0.20 14 UAWEI ADU4518R6V06 UNKNOWN 96.00 96.00 23.91 332 23.91 332 UAWEI RRU3256 AMPS 96.00 96.00 6.17 258 6.17 258 LINES ARE PLACED INTERIOR TO THE POLE SHAFT (UNLESS NOTED OTHERWISE) THERWISE 10.00 10.00 10.00 10.00			
L POLE HEIGHT IS 100 FT AGL ATIONS ARE MEASURED FROM TOP OF BASE PLATE (APPROX. 1 FT AGL) IDED SHAFT 4" & (2) 2" CONDUIT ROUTED THROUGH FOUNDATION AND BASE PLATE.	0, PO		
DUGH RARE, VIBRATIONS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY R IN STRUCTURES OF ALL TYPES. BECAUSE THEY ARE INFLUENCED BY MANY RACTING VARIABLES, VIBRATIONS ARE GENERALLY UNPREDICTABLE. THE 'S MAINTENANCE PROGRAM SHOULD INCLUDE OBSERVATION FOR EXCESSIVE	66		
ATION AND EXAMINATION FOR ANY STRUCTURAL DAMAGE OR BOLT LOOSENING. VALMONT WARRANTY SPECIFICALLY EXCLUDES FATIGUE FAILURE OR SIMILAR OMENA RESULTING FROM INDUCED VIBRATION, HARMONIC OSCILLATION OR NANCE ASSOCIATED WITH MOVEMENT OF AIR CURRENTS AROUND THE PRODUCT.			
	LIGHTING/CELLULAR 1 KRC 06/23/2022		
NOTE:	DETAIL		
THIS IS NOT AN	IRRAVING TITI 99'-0" POL 0000POLE REVISTIDNS A: UPDATED REFERENCE		
INSTALLATION DRAWING	PR0.JECT NO. 546009-P1		
VECTOR	DRAVN BY: KRC		
47-109-221 651 W. GALENA PARK BLVD. STE. 101 PHONE (BO1) 990-1775 DRAPER, UTAH 84020 WWW.VECTORSE.COM	DRAVING ND. PL3.1 SHEET: 1 of 2	S	an
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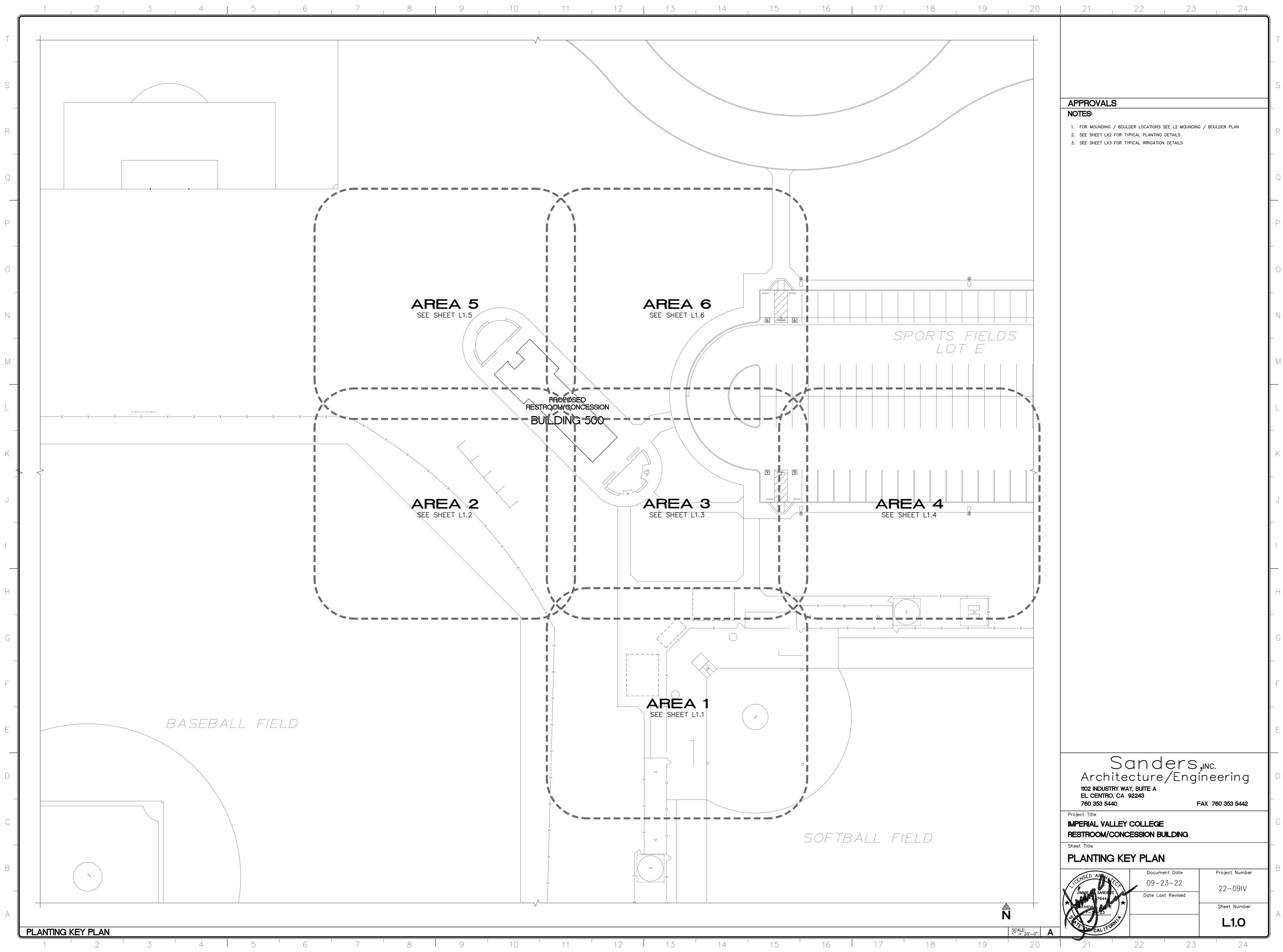




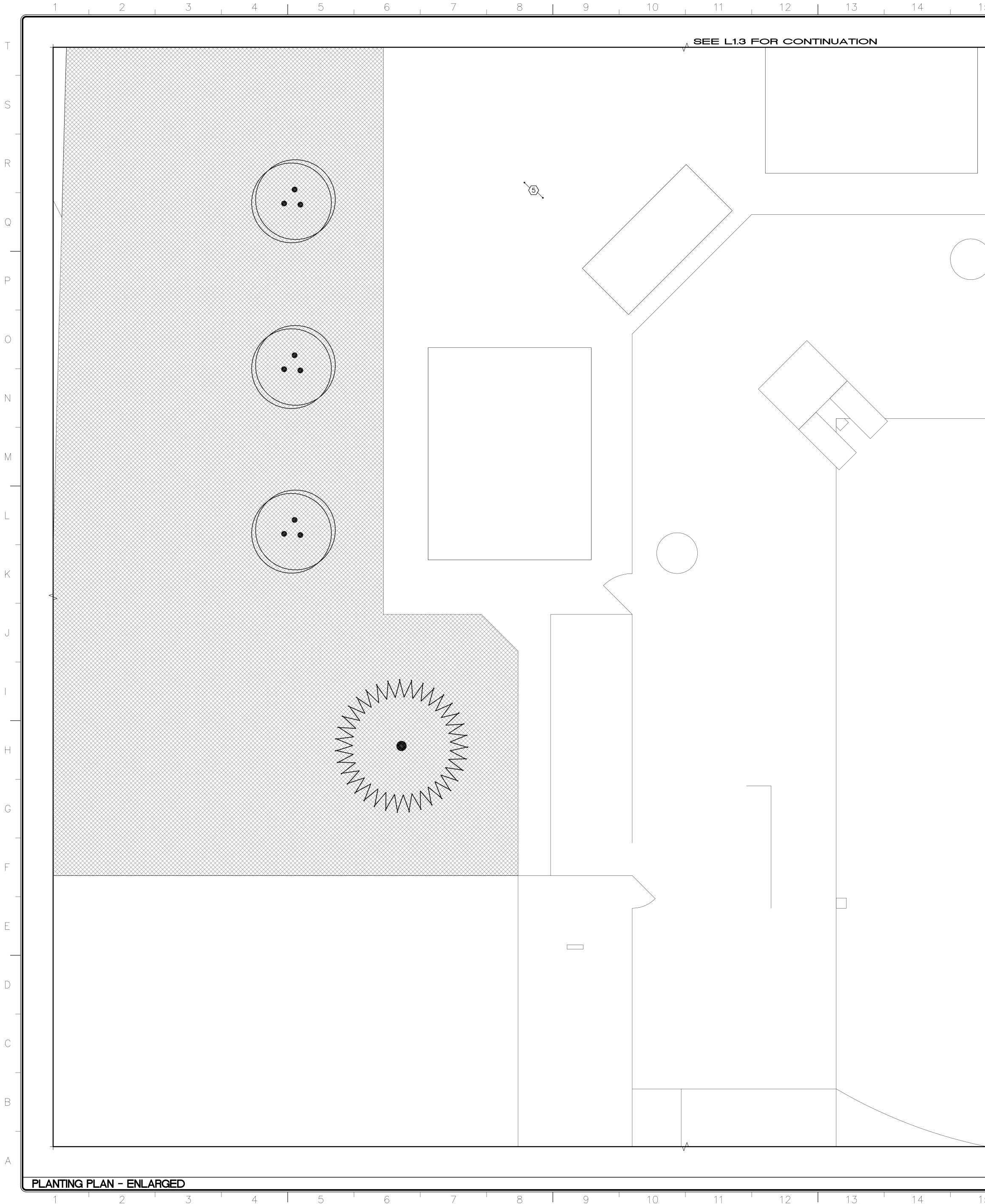


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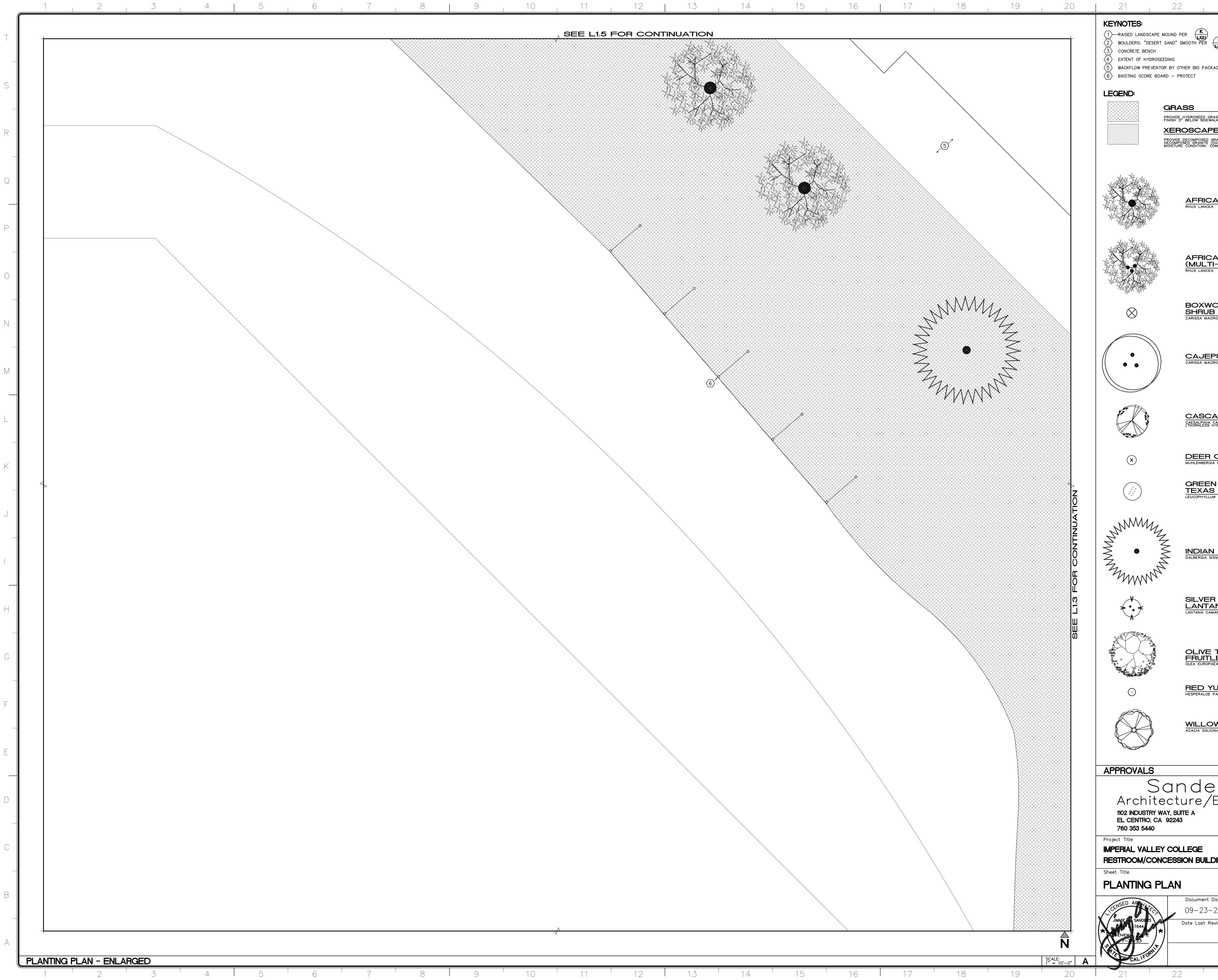


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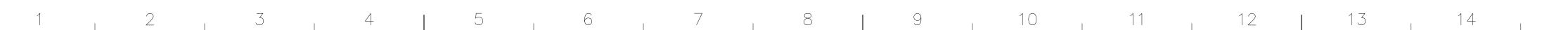


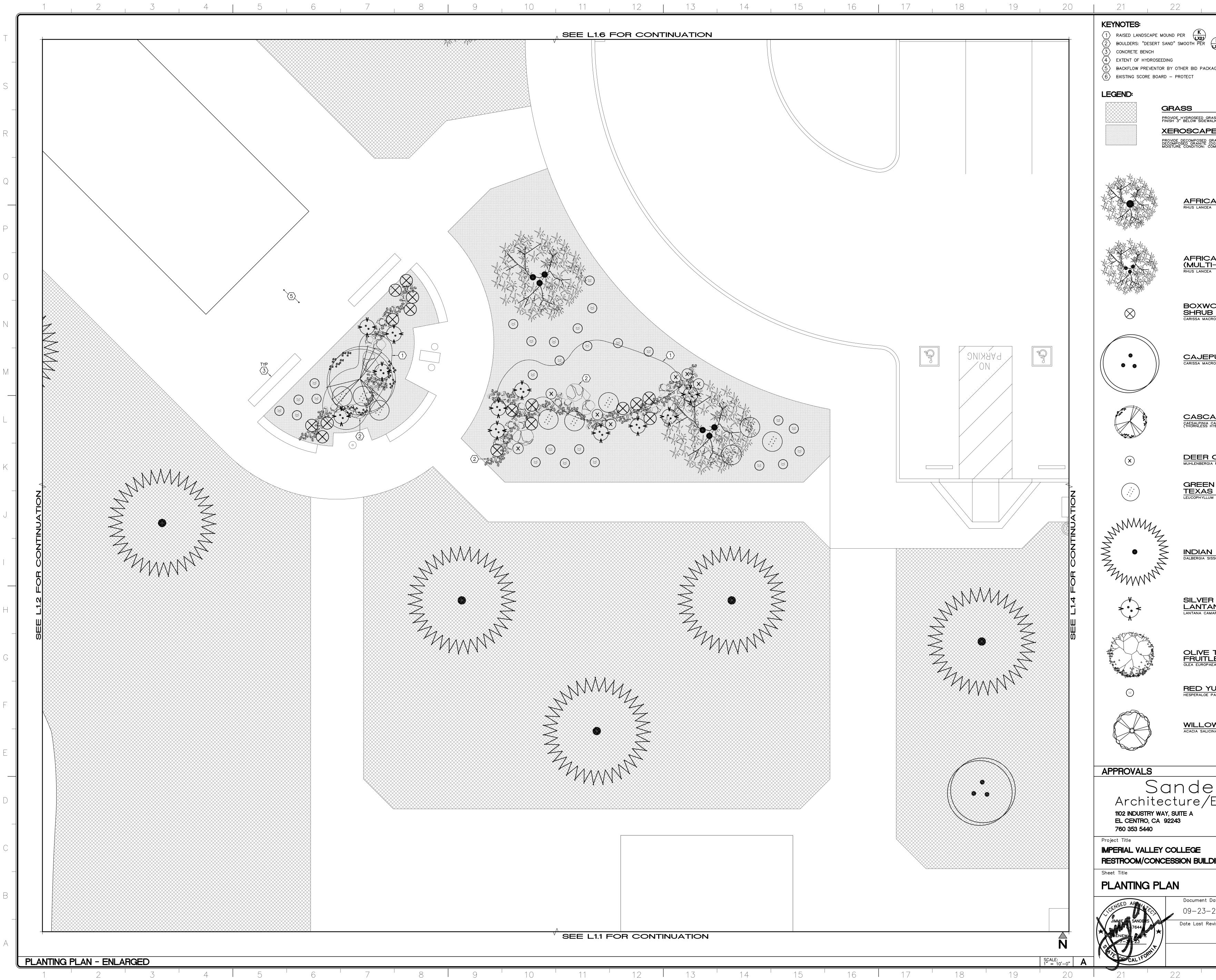
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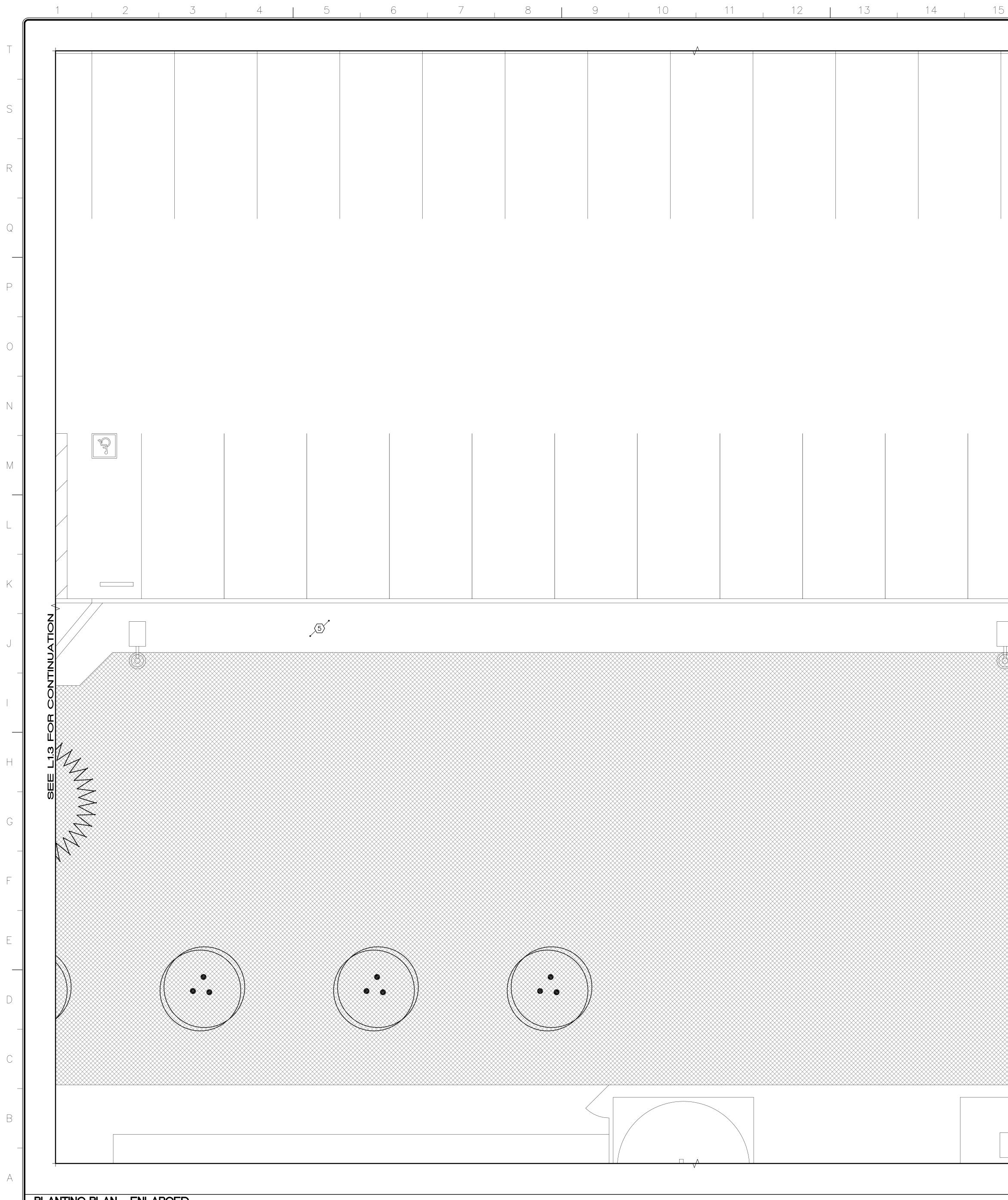
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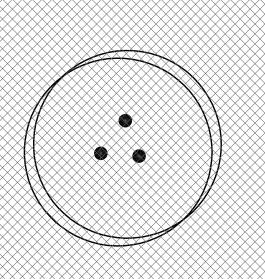
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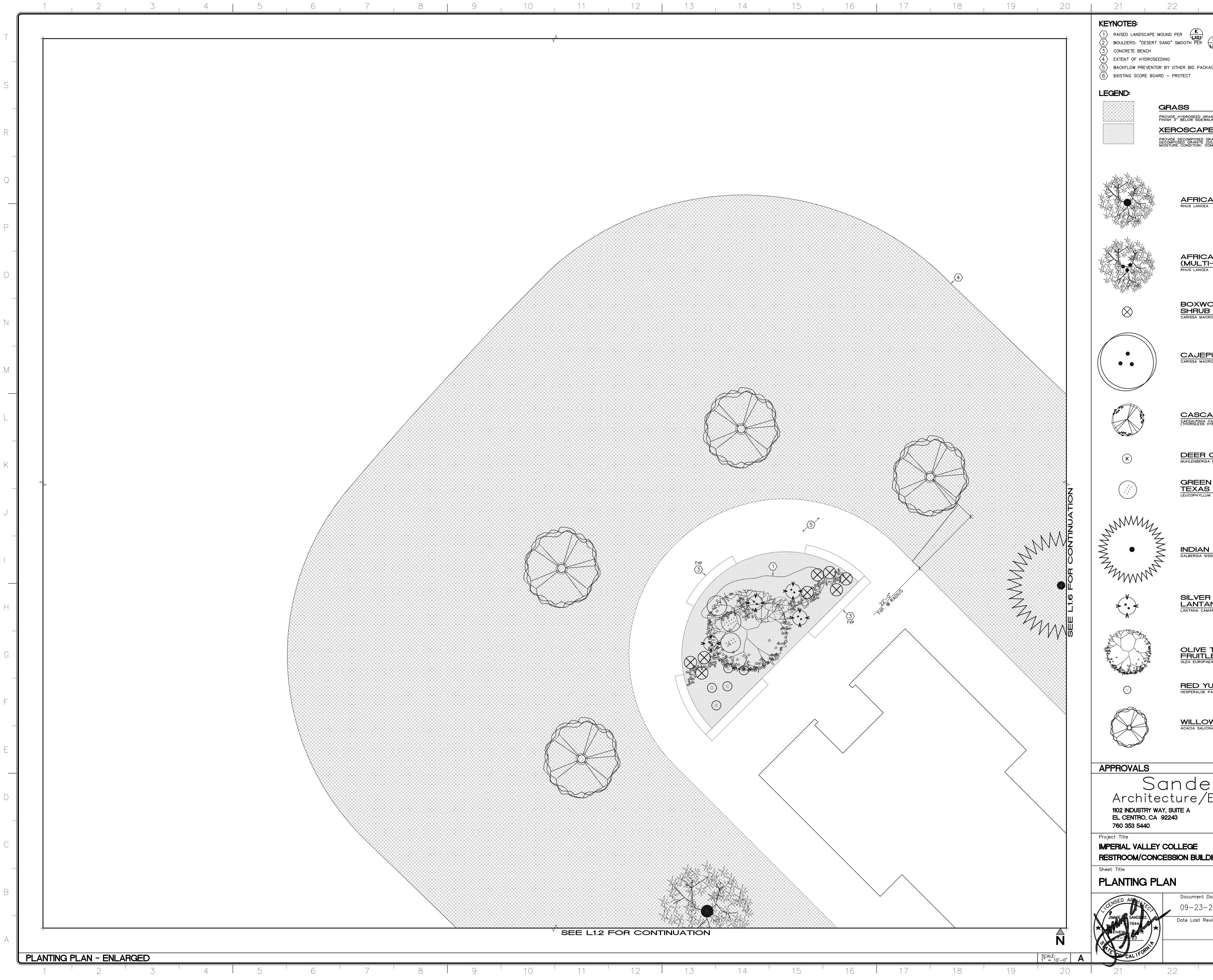
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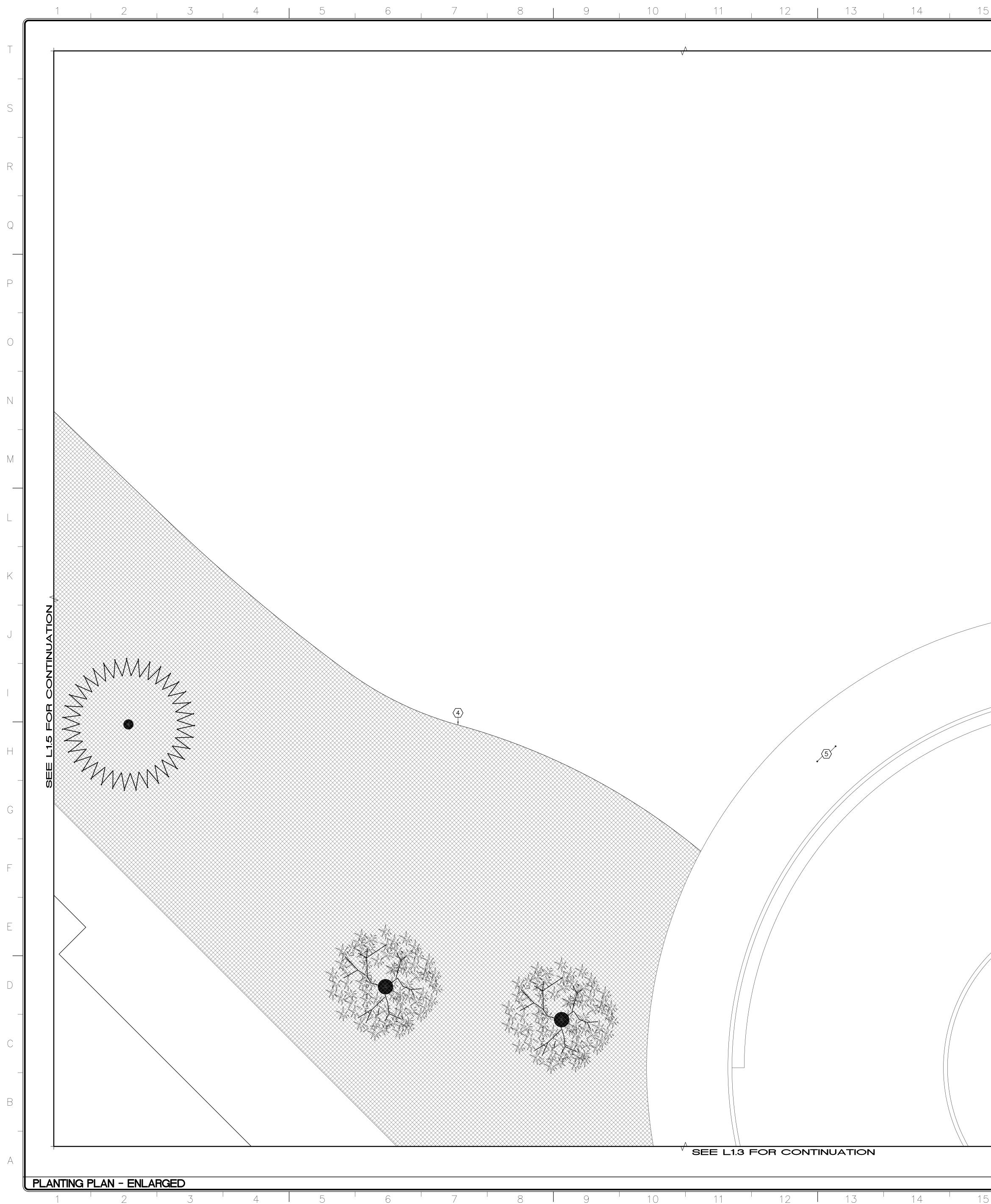
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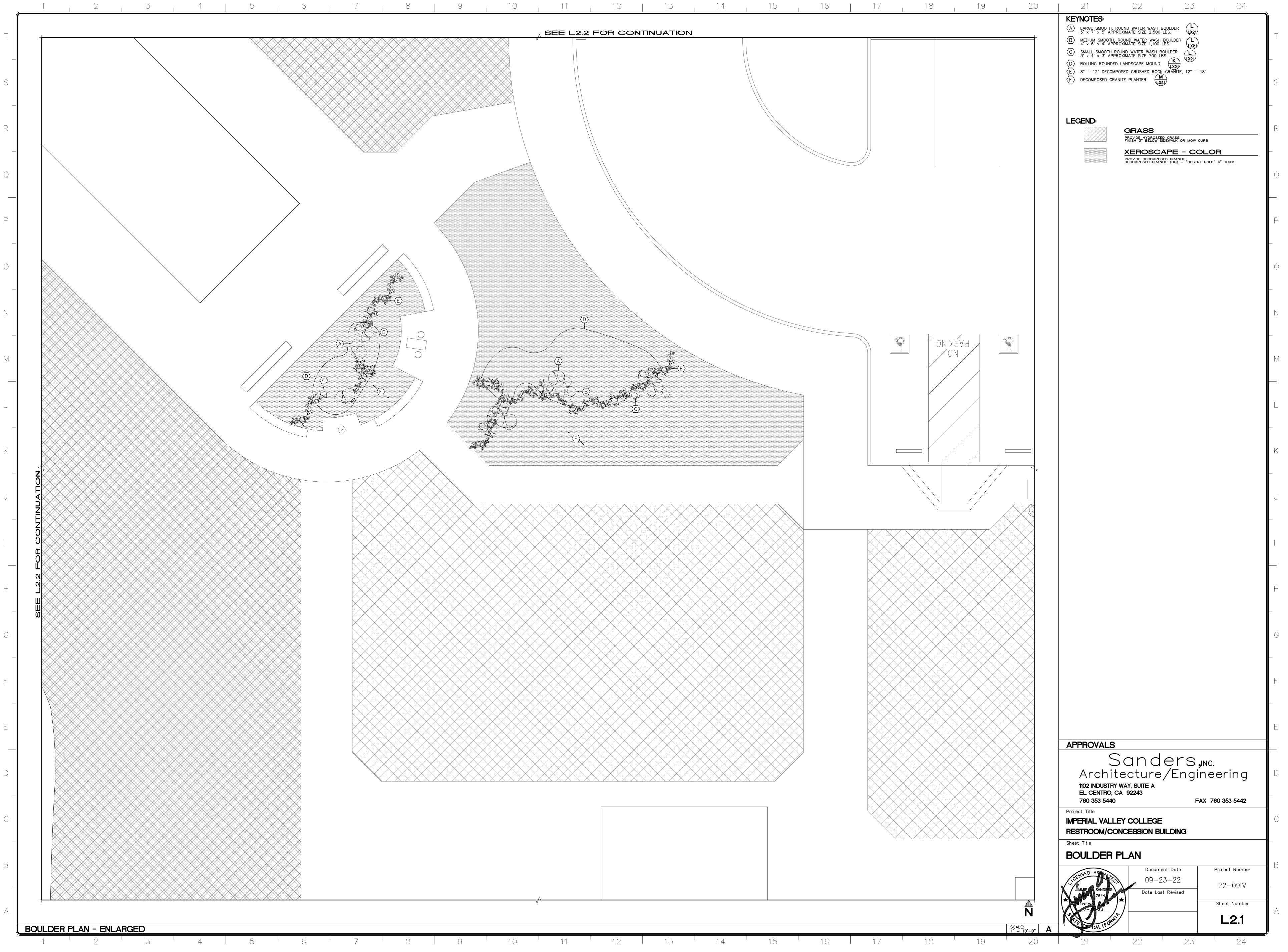
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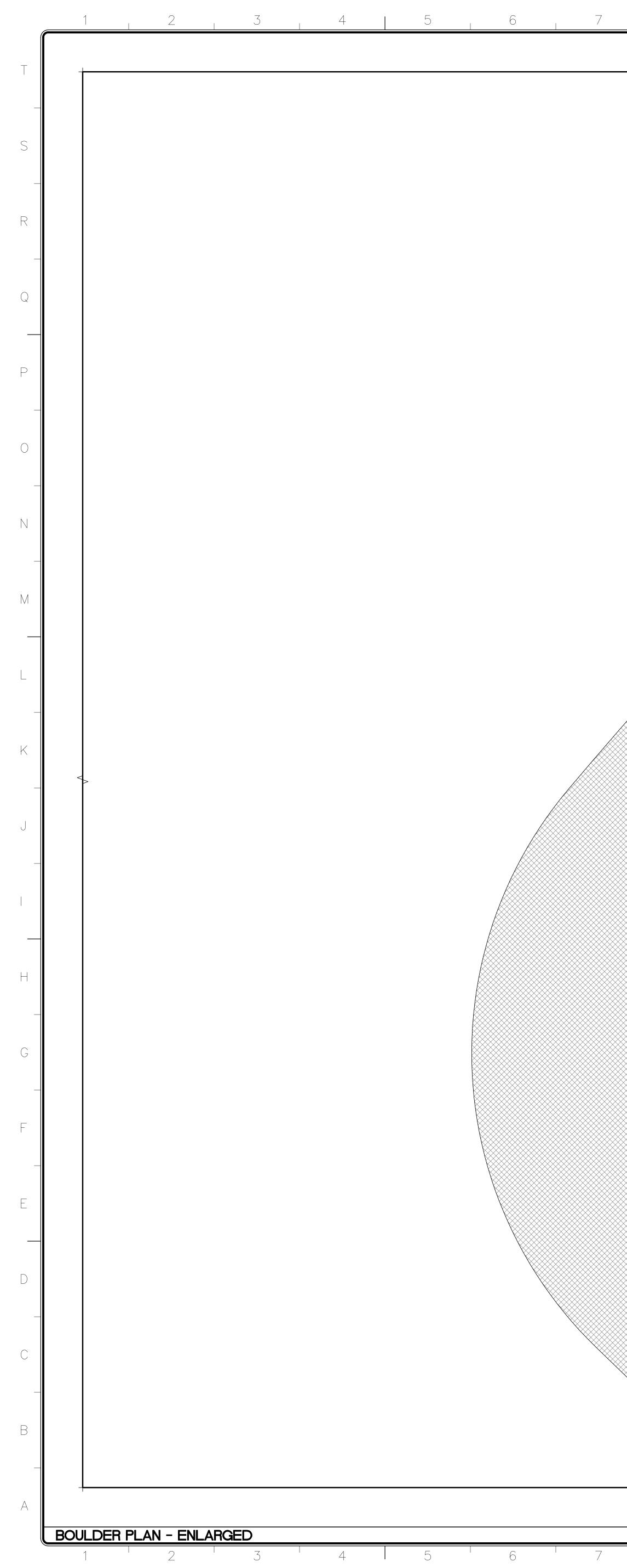
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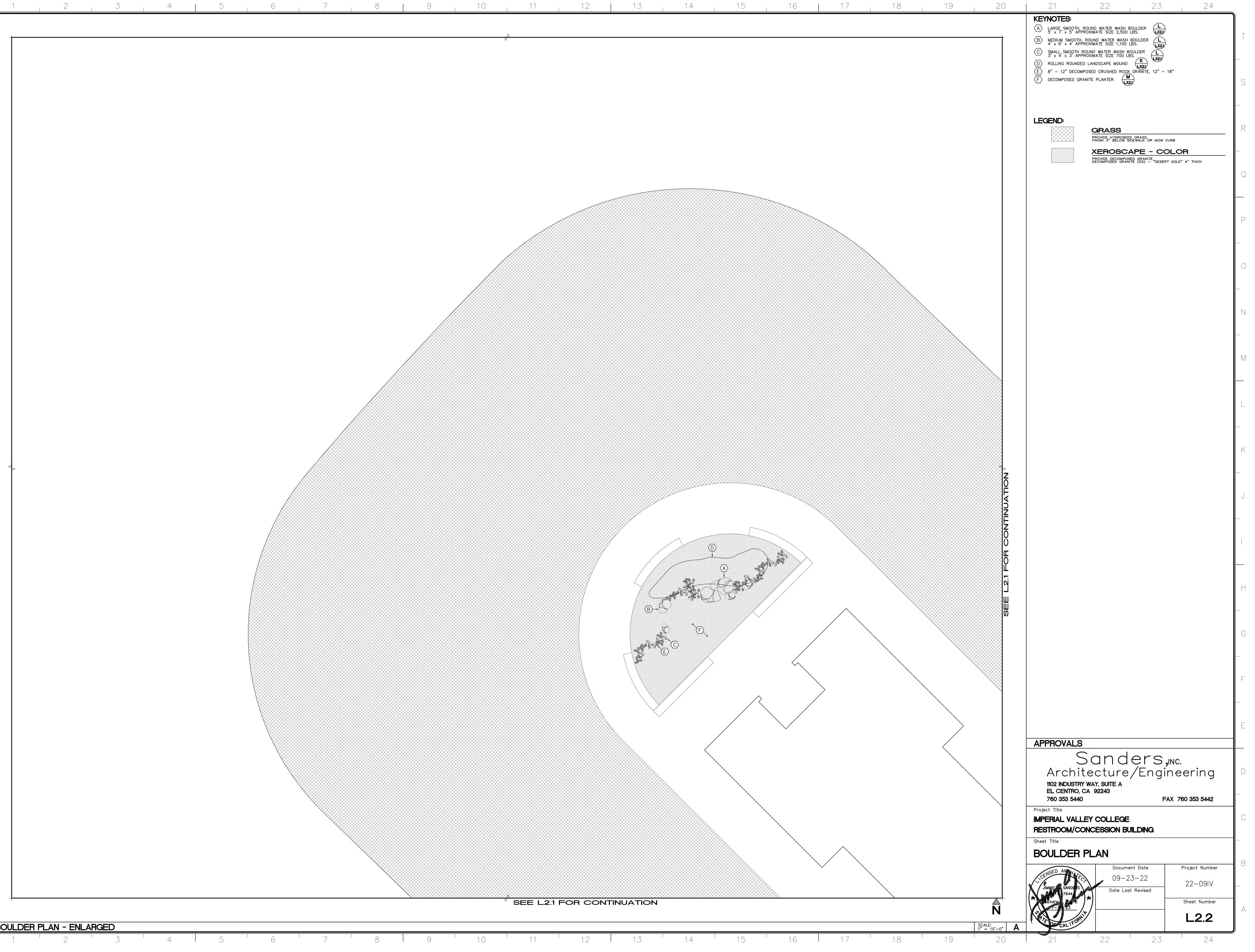
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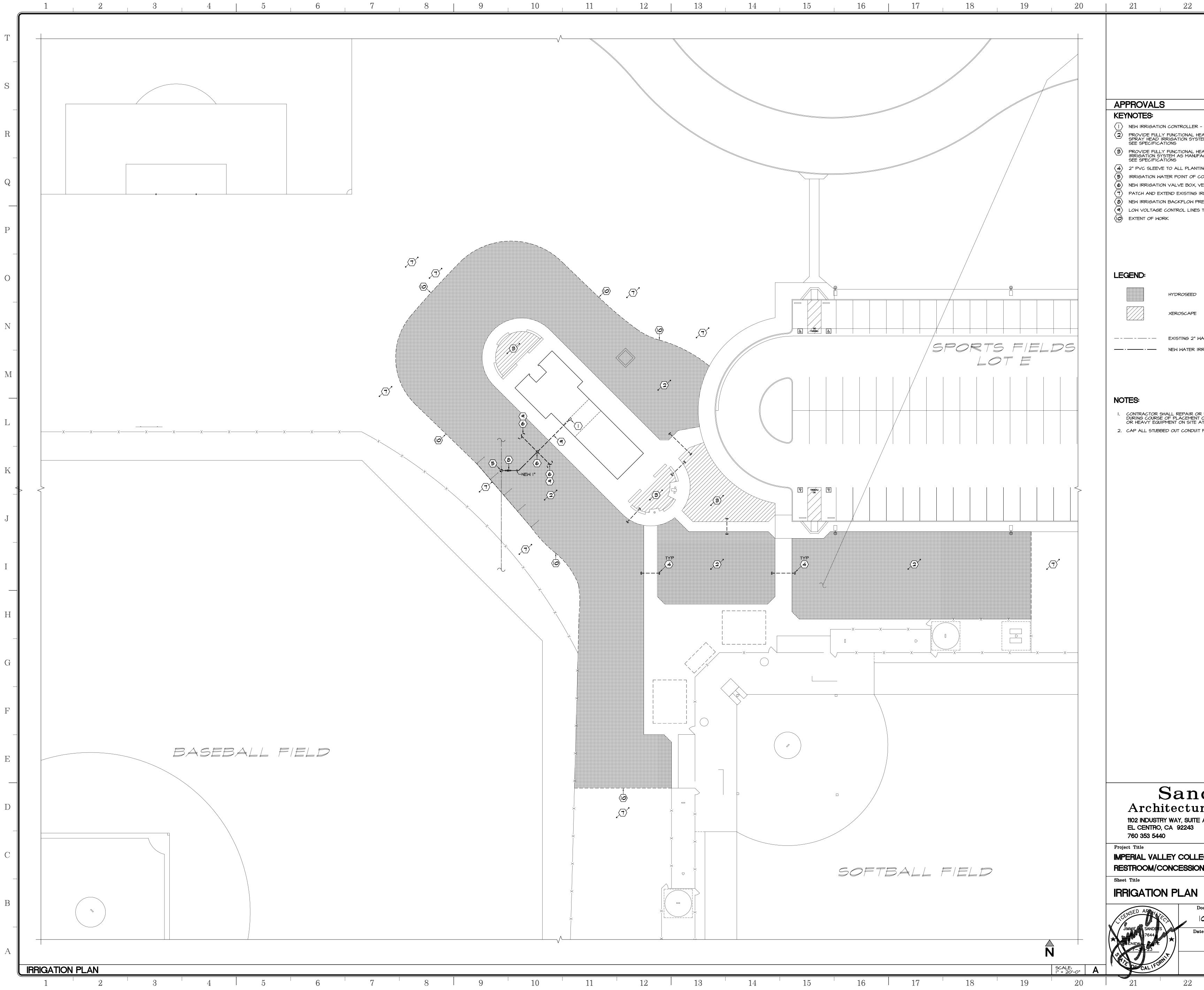


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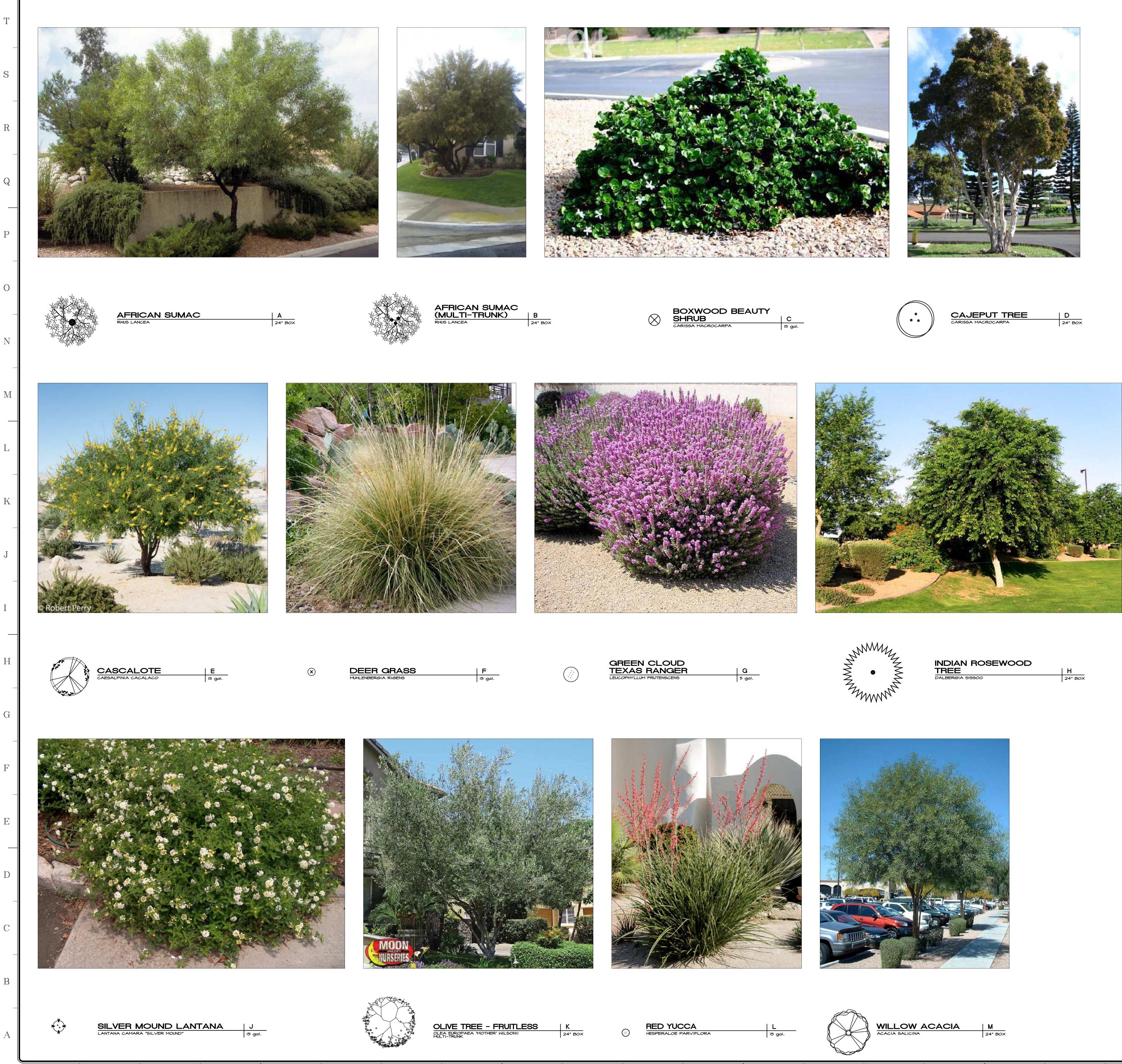
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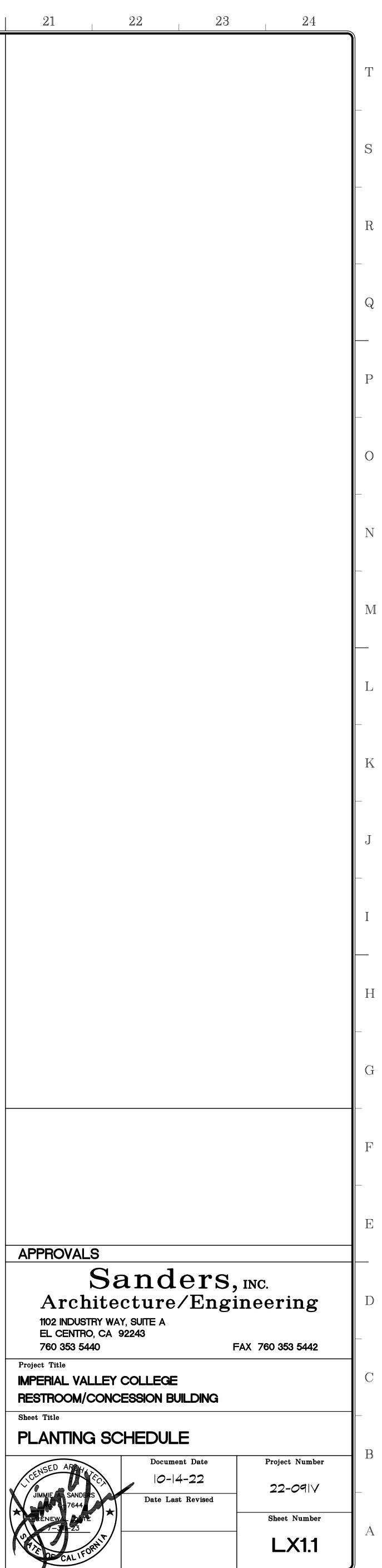
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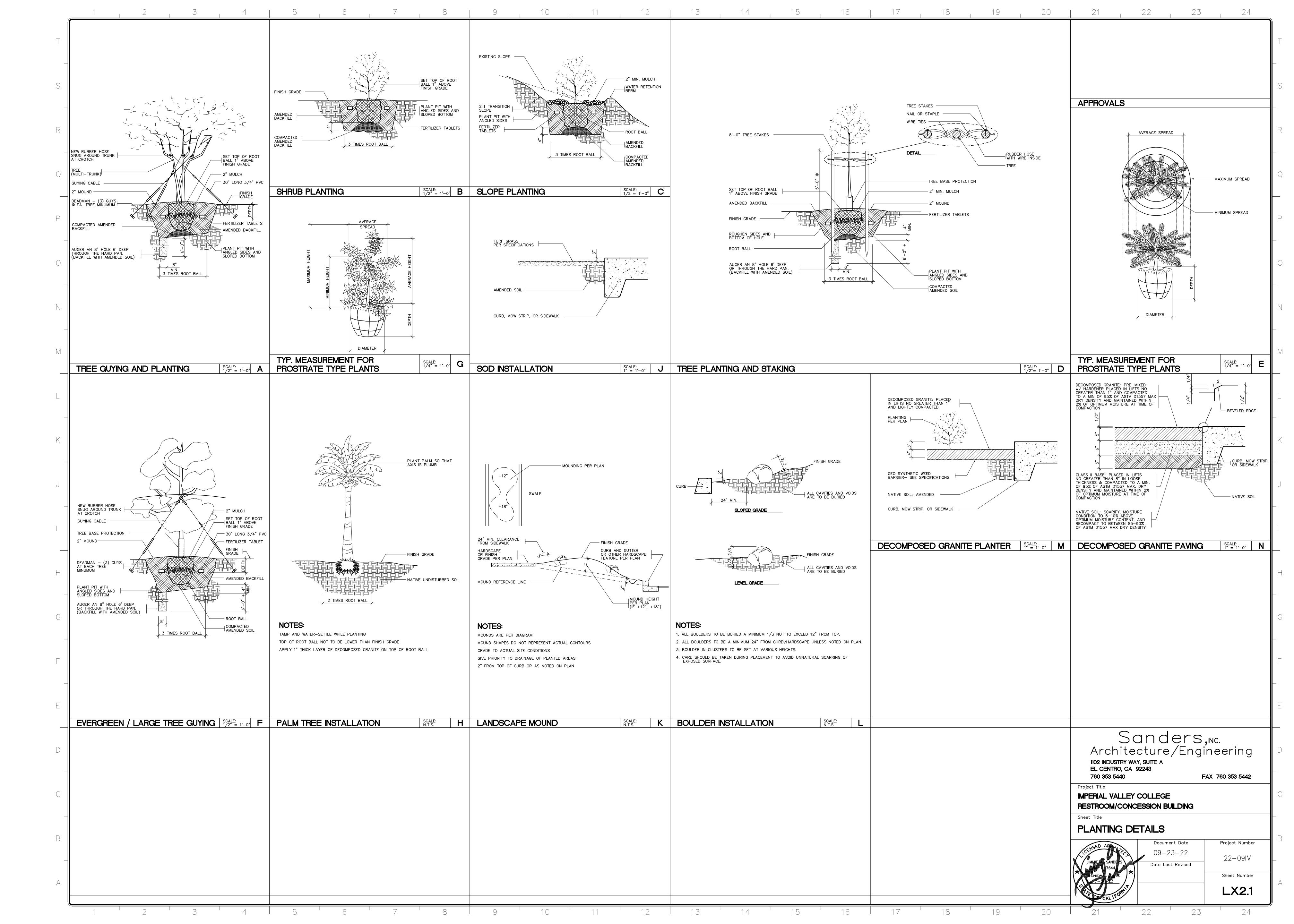


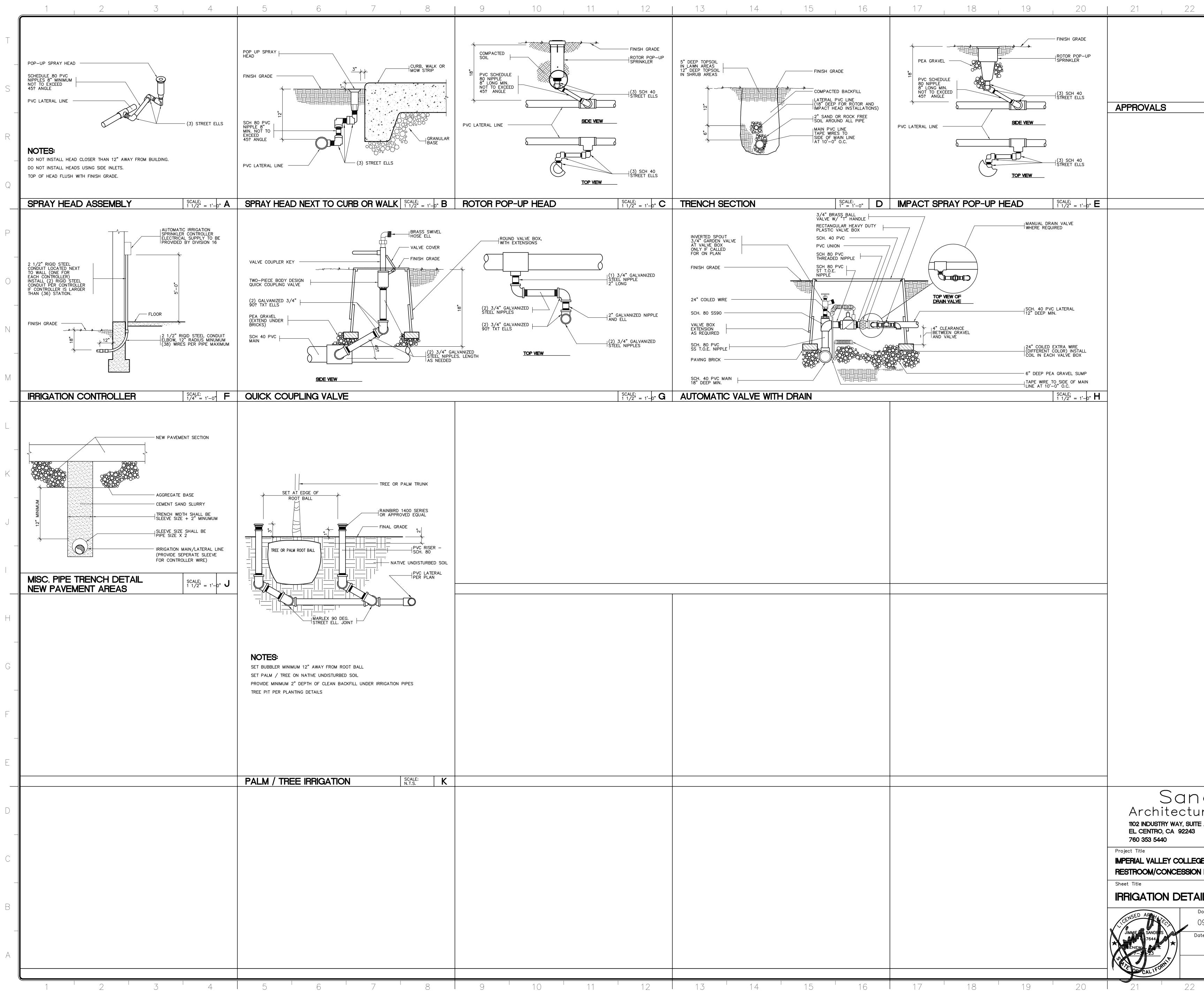
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