AB	- ANCHOR BOLT	FHMS	- FLATHEAD MACHINE SCREW	PLT	- PLATE
ABV	- ABOVE	FHWS	- FLATHEAD WOOD SCREW	PLWD	- PLYWOOD
AC	- ASPHALT CONCRETE	FIN FJ	- FINISH (ED)	PNL PNT	- PANEL
A/C ACOUS	- AIR CONDITIONING - ACOUSTICAL	FJ FL	- FLOOR JOIST - FLOOR	POC	- PAINT (ED) - POINT OF CONNECTION
ACT	- ACOUSTICAL CEILING TILE	FLG	- FLOORING	PT	- POINT
ADD	- ADDITION / ADDENDUM	FLUOR	- FLUORESCENT	PTN	- PARTITION
ADD'L ADJ	- ADDITIONAL - ADJUSTABLE/ADJACENT	FLX FND	- FLEXIBLE - FOUNDATION	PVA	- POLYVINYL ACETATE
AFF	- ABOVE FINISH FLOOR	FO	- FACE OF	0.77./	OLIANITITY.
AFG	- ABOVE FINISH GRADE	FOC	- FACE OF CONCRETE	QTY	- QUANTITY
AGG	- AGGREGATE	FOF FOM	- FACE OF FINISH - FACE OF MASONRY	R	- RADIUS
ALT ALUM	- ALTERNATE - ALUMINUM	FOS	- FACE OF STUDS	RD REF	- ROOF DRAIN - REFERENCE
ANOD	- ANODIZED	FR	- FRAME (D), (ING)	REFR	- REFRIGERATOR
APPROX	- APPROXIMATE	FRP FV	- FIBER REINFORCED PANEL - FIELD VERIFY	REINF	- REINFORCE (D), (ING)
ARCH ASPH	- ARCHITECT (URAL) - ASPHALT	FV	- FIELD VERIFY	RMV REQ'D	- REMOVE - REQUIRED
ASFII	- ASFIIALI	GA	- GAGE, GAUGE	RES	- RESILIENT
BB	- BOTTOM OF BEAM	GB	- GYPSUM BOARD	RET	- RETURN
BD	- BOARD	GD	- GRADE, GRADING	REV RFG	- REVISION (S), REVISED - ROOFING
BEL BLDG	- BELOW - BUILDING	GI GKT	- GALVANIZED IRON - GASKET (ED)	RFL	- REFLECT (ED), (IVE), (OR)
BLK	- BLOCK	GL	- GLASS, GLAZING	RH	- RIGHT HAND
BLKG	- BLOCKING	GLB	- GLUE LAMINATED BEAM	RL	- RIDGE LINE
BM	- BEAM	GALV	- GALVANIZED	RM RO	- ROOM - ROUGH OPENING
BO BOT	- BOTTOM OF - BOTTOM	GVL GYP	- GRAVEL - GYPSUM	ROW	- RIGHT OF WAY
BRG	- BEARING			RDWD	- REDWOOD
BRZ	- BRONZE	НВ	- HOSE BIBB	RWL	- RAINWATER LEADER
BUR	- BUILT UP ROOFING	HC	- HOLLOW CORE	SC	- SEALED CONCRETE
		HDB	- HARDBOARD	SCH	- SCHEDULE
CAB	- CABINET	HDR HDW	- HEADER - HARDWOOD	SD	- STORM DRAIN
CB CD	- CATCH BASIN - CONSTRUCTION DOCUMENTS	HEX	- HEXAGONAL	SEC SHLF	- SECTION - SHELF
CEM	- CEMENT	HM	- HOLLOW METAL, STEEL	SHLV	- SHELF - SHELVING
CER	- CERAMIC	HOR HT	- HORIZONTAL - HEIGHT	SHT	- SHEET
CF CFL	- CUBIC FOOT - COUNTERFLASHING	HTG	- HEIGHT - HEATING	SHTG SIM	- SHEATHING - SIMILAR
CHAM	- CHAMFER	HVAC	- HEATING/VENTILATING/	SIM	- SIMILAR - SKYLIGHT
CHBD	- CHALKBOARD	1 847	AIR CONDITIONING	S/P	- SHELF & POLE
CI CJ	- CAST IRON - CONTROL JOINT	HW	- HOT WATER	SPEC	- SPECIFICATION (S)
CJ	- CONTROL JOINT - CEILING JOIST	ID	- INSIDE DIAMETER	SQ SF	- SQUARE - SQUARE FEET
CLG	- CEILING	INCL	- INCLUDE (D), (ING)	SS	- STAINLESS STEEL
CLKG	- CAULKING	INSTR	- INSTRUCTION (S)	STD	- STANDARD
CLR CMU	- CLEAR - CONCRETE MASONRY UNIT	INSUL INT	- INSULATE (D), (ION) - INTERIOR	STL STO	- STEEL - STORAGE
CNTR	- COUNTER	INV	- INVERT	STRUC	- STORAGE - STRUCTURE/STRUCTURA
CO	- CLEAN OUT			SV	- SHEET VINYL
COL COMB	- COLUMN - COMBINATION	JST	- JOIST	SYS	- SYSTEM
COMPO	- COMBINATION - COMPOSITION (COMPOSITE)	JT	- JOINT	T	- TILE
CONC	- CONCRETE	KO	- KNOCKOLIT	TB TØD	- TOWEL BAR
CONT	- CONTINUOUS OR CONTINUE	KO KS	- KNOCKOUT - KNEE SPACE	T&B TELE	- TOP & BOTTOM - TELEPHONE
CONTR CONST	- CONTRACTOR - CONSTRUCTION	LAD	- LADDER	TEMP	- TEMPERED
CORR	- CORRUGATED	LAM	- LAMINATE (D)	T&G	- TONGUE AND GROOVE
COTF	- CLEAN OUT THRU FLOOR	LAV	- LAVATORY	THK THRU	- THICK (NESS) - THROUGH
COTG COTW	- CLEAN OUT TO GRADE - CLEAN OUT THRU WALL	LB LH	- LAG BOLT - LEFT HAND	TJ	- TOOL JOINT
COTW	- CLEAN OUT THRU WALL - CARPET	LH LVR	- LOUVER	TKBD	- TACKBOARD
CR	- CURB RETURN			TM TOB	- TOP OF MASONRY - TOP OF BEAM
CSK	- COUNTERSINK	MAS	- MASONRY	TOC	- TOP OF CURB or CONCRE
CSMT CT	- CASEMENT - CERAMIC TILE	MAT'L MAX	- MATERIAL - MAXIMUM	TP	- TOILET PARTITION
CTSK	- COUNTERSUNK SCREW	MB	- MACHINE BOLT	TS	- TOP OF SHEATHING
CTR	- CENTER	MC	- MEDICINE CABINET	TSB TOP	- RUBBER TOP SET BASE - TOP OF SLAB
CW	- COLD WATER	MECH MED	- MECHANIC (AL) - MEDIUM	T&T	- T-BAR ACOUSTIC TILE
DD'	DOUBLE	MFG	- MEDIUM - MANUFACTURING	TV	- TELEVISION
DBL DEMO	- DOUBLE - DEMOLITION	MFR	- MANUFACTURE (R)	TYP TOW	- TYPICAL - TOP OF WALL
DEMO	- DETAIL	MIN	- MINIMUM	1000	FIOR OF WALL
DF	- DRINKING FOUNTAIN	MIR MISC	- MIRROR - MISCELLANEOUS	UON	- UNLESS OTHERWISE NOT
DIAG	- DIAMETER - DIAGONAL	MKBD	- MARKER BOARD	JOIN	J. LEGG OTTILITY ISE INOT
DIAG DIM	- DIAGONAL - DIMENSION	MLD	- MOLDING, MOULDING	VAR	- VARIES
DIV	- DIVISION	MMB MO	- MEMBRANE	VB	- VAPOR BARRIER
DN	- DOWN	MO MOD	- MASONRY OPENING - MODULAR	VCT	- VINYL COMPOSITION TILE
DPRS DR	- DEPRESSED - DOOR	MP	- METAL PANEL	VCTB VERT	 VINYL COVERED TACKBO VERTICAL
DR DS	- DOWNSPOUT	MT	- METAL THRESHOLD	VERT	- VERTICAL - VERTICAL GRAIN
DSPR	- DISPENSER	MNT MTL	- MOUNT (ED), (ING) - METAL	VNR	- VENEER
DWG	- DRAWING	MUL	- MULLION	VO	- VENT OVER/OFFSET
DWR	- DRAWER	(N)	- NEW	VR VTR	- VENT RISER - VENT THROUGH ROOF
.=:		(N) NAT	- NEW - NATURAL	VWC	- VINYL WALL COVERING
(E) ΕΔ	- EXISTING - FACH	NIC	- NOT IN CONTRACT		
EA EDF	- EACH - ELECTRIC DRINKING FOUNTAIN	NO NOM	- NUMBER	W/	- WITH
EJ	- EXPANSION JOINT	NOM NTS	- NOMINAL - NOT TO SCALE	WC	- WATER CLOSET
ELEV	- ELEVATION	5		WD WFG	- WOOD - WIRED FIXED GLASS
ELECT	- ELECTRIC - ELECTRICAL	O/	- OVER	WHC	- WIRED FIXED GLASS - WALL HUNG CABINET
EMER	- ELECTRICAL - EMERGENCY	OA	- OVERALL	WI	- WROUGHT IRON
ENAM	- ENAMEL	OBS	- OBSCURE	WIN	- WINDOW
ENCL	- ENCLOSE (URE)	OCC OCC	- ON CENTER (S) - OCCUPANCY	WM W/O	- WIRE MESH
EQ EQUIP	- EQUAL - EQUIPMENT	OD	- OUTSIDE DIAMETER	W/O WP	- WITHOUT - WATERPROOFING
EXH	- EXHAUST	OFD	- OVERFLOW DRAIN	WST	- WASTE
EXP	- EXPOSED	OH OPO	- OVERHEAD	WWF	- WELDED WIRE FABRIC
EXIST	- EXISTING	OPQ OPNG	- OPAQUE - OPENING		
EXT	- EXTERIOR	OPPO	- OPPOSITE		
		OPT	- OPTIONAL	@	- AT
FAB	- FABRICATION			Q.	- CENTER LINE
FAC FAS	- FACTORY	PBD	- PARTICLE BOARD	Ø	- DIAMETER
FA5	- FASTEN, FASTENER	PC	- PRECAST CONCRETE	Ф	- SQUARE FEET
BD	- FIBERBOARD	PERIM	- PERIMETER		

PH - PHASE

PERF - PERFORATE (D)

PL - PROPERTY LINE

PLAM - PLASTIC LAMINATE

PREFAB - PREFABRICATE (D)

GENERAL NOTES

PLAN DIMENSIONS SHOWN FOR NEW CONSTRUCTION ARE TAKEN TO FACE OF STUD OR FACE OF CONCRETE UNLESS OTHERWISE NOTED.

2. HEIGHTS SHOWN OR NOTED AFF (ABOVE FINISH FLOOR) ARE TO BE MEASURED FROM TOP OF FINISH FLOORING MATERIAL. EXCEPTION: AT AREAS THAT RECEIVE COATINGS OR RESILIENT FLOORING, HEIGHTS ARE TO BE MEASURED FROM TOP OF CONCRETE SLAB. B. DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK,

CONSULT ARCHITECT FOR DIRECTION BEFORE PROCEEDING. 4. $\,$ IF DRAWINGS MEASURE LESS THAN 30" $\,$ x 42", PRINTS ARE REDUCED FROM ORIGINALS.

5. DETAILS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY REFERENCED AT EACH LOCATION OR

ADJUNCT CONSTRUCTION - THE EMBEDMENT OR PASSAGE OF PIPING, ELECTRICAL CONDUIT. DUCTWORK AND OTHER MATERIALS THAT WOULD REDUCE THE STRENGTH OF MASONRY OR CONCRETE WALLS OR FOOTINGS OR FRAMING IS NOT PERMITTED UNLESS THE WORK IS DONE IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DRAWINGS. THIS WORK MUST BE APPROVED BY THE PROJECT INSPECTOR PRIOR TO CLOSING IN OR CASTING. SEE STANDARD DETAILS AND SPECIFICATIONS FOR THE RELATIONSHIP OF UNDERGROUND CONDUIT AND PIPING TO FOUNDATIONS, FOR OPENINGS, FOR PIPING IN WALLS AND OTHER SPECIAL CONDITIONS DESIGNED FOR THIS PROJECT.

WHERE PLAN NOTES CALL FOR THE CONTRACTORS TO INSTALL SPECIAL ITEMS IT IS TO BE EXPLICITLY UNDERSTOOD THAT THE CONTRACTOR IS TO ALSO PROVIDE THAT ITEM AND ALL ACCESSORY EQUIPMENT TO INSTALL THAT ITEM. IF ITEM IS TO BE PROVIDED BY OWNER IT WILL BE SO INDICATED.

8. IT SHALL BE THE RESPONSIBILITY OF THE BIDDERS TO CONFIRM EXISTING CONDITIONS ABOVE GRADE AND VISIBLE AND VERIFY W/ EXISTING PLANS FOR EXISTING CONDITIONS

9. CONTRACTOR SHALL REPAIR ALL LANDSCAPE AND PAVED AREAS TO PRECONSTRUCTION CONDITION FROM DAMAGE DURING CONSTRUCTION. PROVIDE PHOTOGRAPHS PRIOR TO

10. IN WORK AREAS, CONTRACTOR SHALL FIELD VERIFY ALL EX UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION AND CONTACT COLLEGE MAINTENANCE DEPARTMENT

11. ALL BURIED STEEL PIPE AND FERROUS METAL OBJECTS SHOULD BE PROVIDED WITH A PROTECTIVE COATING. COORDINATE W/ ARCHITECT AND ENGINEERS FOR THIS REQUIREMENT PER SOILS REPORT.

AND ALL UTILITY COMPANIES FOR VERIFICATION OF ALL UNDERGROUND UTILITIES.

PROJECT DIRECTORY

ARCHITECT EDGAR L. CHILDRES KLASSEN CORPORATION 2021 WESTWIND DR. BAKERSFIELD, CA 93301 PHONE: (661) 324-3000 (661) 327-5933 edc@klassencorp.com

MECHANICAL FRANK CANTELMI CANTELMI ENGINEERING 1800 21st ST # C BAKERSFIELD, CA 93301 PHONE: (661) 324-5252 FAX: (661) 324-8439 cantelmi@cantelmi.net

STRUCTURAL BRIAN BARCUS, S.E. BARCUS STRUCTURAL ENG. 7600 NORTH PALM AVE. #200 FRESNO, CA 93711 PHONE: (559) 261-8585 FAX: (559) 261-8580 brian@barcusinc.com

ELECTRICAL FRANK CANTELMI CANTELMI ENGINEERING 1800 21st ST # C BAKERSFIELD, CA 93301 PHONE: (661) 324-5252 FAX: (661) 324-8439

cantelmi@cantelmi.net

FRANK CANTELMI CANTELMI ENGINEERING 1800 21st ST # C BAKERSFIELD, CA 93301 PHONE: (661) 324-5252

PLUMBING FAX: (661) 324-8439 cantelmi@cantelmi.net

APPROVAL

3 A	— NUMBERS OR LETTERS ABOVE LINE.		Construction Documents Appr	roval
A9.02 A6.03	 MARK BELOW LINE BEGINS w/ A LETTER DE DRAWING SHEET WHERE DETAIL MAY BE F 		I have reviewed this Construction Document	
A	— STRUCTURAL GRID		conformance with San Joaquin Valley Pulmo objectives, and instructions given to Klassen confirms Owner's approval of these Constructions	Corporation. My signature belotion Documents and authorize
1	— EXTERIOR ELEVATON REF.		Klassen Corporation to proceed with Governi	ng Agency Submittal.
A5.01	— PAGE REF		Project Owner:	
	xx xx	CABINET DEPTH WIC CABINET TYPE OR METAL SHELVING CABINET HEIGHT	Print Name	_
	xx xx xx	——— CABINET COMMENTS ——— CABINET WIDTH	Title	_
		5/15/11/	Signature	Date
OFFICE 101	— ROOM NAME.			
	— ROOM NO.			
2	— DOOR NO.		Print Name	_
В	— WINDOW TYPE		Title	_
01	— WALL TYPE	- REFER TO WALL ASSEMBLY DETAILS IN SCHEDULES & DETAIL MANUAL VOLUME 4	Signature	 Date

APPLICABLE CODES

PART 11 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen Code),

PART 12 2016 CALIFORNIA REFERENCED STANDARDS, TITLE 24 C.C.R.

FG - FIXED GLASS

SYMBOLS

FBO - FURNISHED BY OTHERS

- FLOOR DRAIN

- FINISHED FLOOR

FBGL - FIBERGLASS FBLK - FIRE BLOCKING

APP	LICABLE CODES	VICIN	NITY MAP			
APPLICAE	BLE CODE OF REGULATIONS C.C.R.					
PART 1	2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE,TITLE 24 C.C.R.		Westside Pkwy	Westside PKNA		of Southern Californ
PART 2	2016 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R. (BASED ON THE 2015 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)			Meeta	KenRiver	-US Social Security Administration
PART 3	2016 CALIFORNIA ELECTRICAL (CEC), TITLE 24 C.C.R. (2014 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)	Coffee Ro	Kern River	Truxtun Lake Q	5801 T	Truxtun Avenue
PART 4	2016 CALIFORNIA MECHANICAL CODE (CMC),TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	atti's Truxtun Ave	e Truxtun Ave		Coothar Dr Esson St	Four Sheraton B
PART 5	2016 CALIFORNIA PLUMBING CODE (CPC), TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	Workfield Rd	C O O M A I L W O O D	Saddleback Of Spr. St.	Hearth Di	Wells Fargo B
PART 6	2016 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.		Quailwood Park		Wayne V	Van Horn ory School
PART 8	2016 CALIFORNIA HISTORICAL CODE, TITLE 24 C.C.R.	The UPS Store	St Philip the Apostle Church		Dr St Daggett Ave	Vons P Party
PART 9	2016 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)	Stockdale Hwy	Stockdale Hwy Cruces Ave	Palm Falm	Stockdale Hwy Po	inited States ostal Service
PART 10	2016 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2015 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)			\$ 19 ± %	Desert Hills Ave	

TENANT IMPROVEMENTS SAN JOAQUIN VALLEY PULMONARY





designs and arrangements represented thereby ar part thereof shall be copied, disclosed to others or than the specific project for which they have beer of the architect. Visual contact with these drawings of acceptance of these restrictions. Written dimensions on these drawings shall have verify and be responsible for, all dimensions and of any variations from the dimensions and condition

submitted to this office for approval before proceed

SHEET INDEX

A0.00 COVER SHEET

ARCHITECTURAL:

A1.01 SITE PLAN AG.01 CODE ANALYSIS D2.01 DEMOLITION FLOOR PLAN D3.01 DEMOLITION REFLECTED CEILING PLAN A2.01 FLOOR PLAN A2.02 ENLARGED DIMENSION FLOOR PLAN A3.01 REFLECTED CEILING PLAN A6.01 BUILDING SECTIONS A7.01 FINISH SCHEDULE A7.02 DOOR & WINDOW SCHEDULES A8.01 INTERIOR ELEVATIONS A9.01 ACCESSIBILITY DETAILS A9.02 ARCHITECTURAL DETAILS A9.03 ARCHITECTURAL DETAILS

STRUCTURAL:

S1.0 Structural Specifications, Plan & Detail

PLUMBING:

P1.0 PLUMBING GENERAL NOTES P2.0 PLUMBING PLANS P3.0 PLUMBING PLANS P4.0 PLUMBING ROOF LPLAN AND SCHEDULES P5.0 PLUMBING PLAN MEDICAL GAS (OXYGEN) P6.0 PLUMBING DETAILS

MECHANICAL:

GENERAL MECHANICAL NOTES M2.0 MECHANICAL PLANS M3.0 MECHANICAL ROOF PLAN MECHANICAL SCHEDULES M5.0 MECHANICAL DETAILS

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EC.2 TITLE 24

E1.0 GENERAL ELECTRICAL NOTES E2.0 POWER DEMOLITION FLOOR PLAN LIGHTING DEMOLITION FLOOR PLAN E4.0 LIGHTING FLOOR PLAN E5.0 POWER FLOOR PLAN E6.0 ELECTRICAL ROOF PLAN E7.0 PARTIAL ELECTRICAL PLAN PDES PLAN E8.0 PDES PLAN E9.0 ELECTRICAL DETAILS EC.1 TITLE 24

PROPERTY INFORMATION

ADDRESS: 5801 TRUXTUN AVE, BAKERSFIELD CA 933309 **APN #**: 331-34-32 **PM**:6791

Project No.: 05-1-19504 COVER SHEET

A0.00

FLATWORK REMOVAL IMAGE

EXISTING PLANTER -

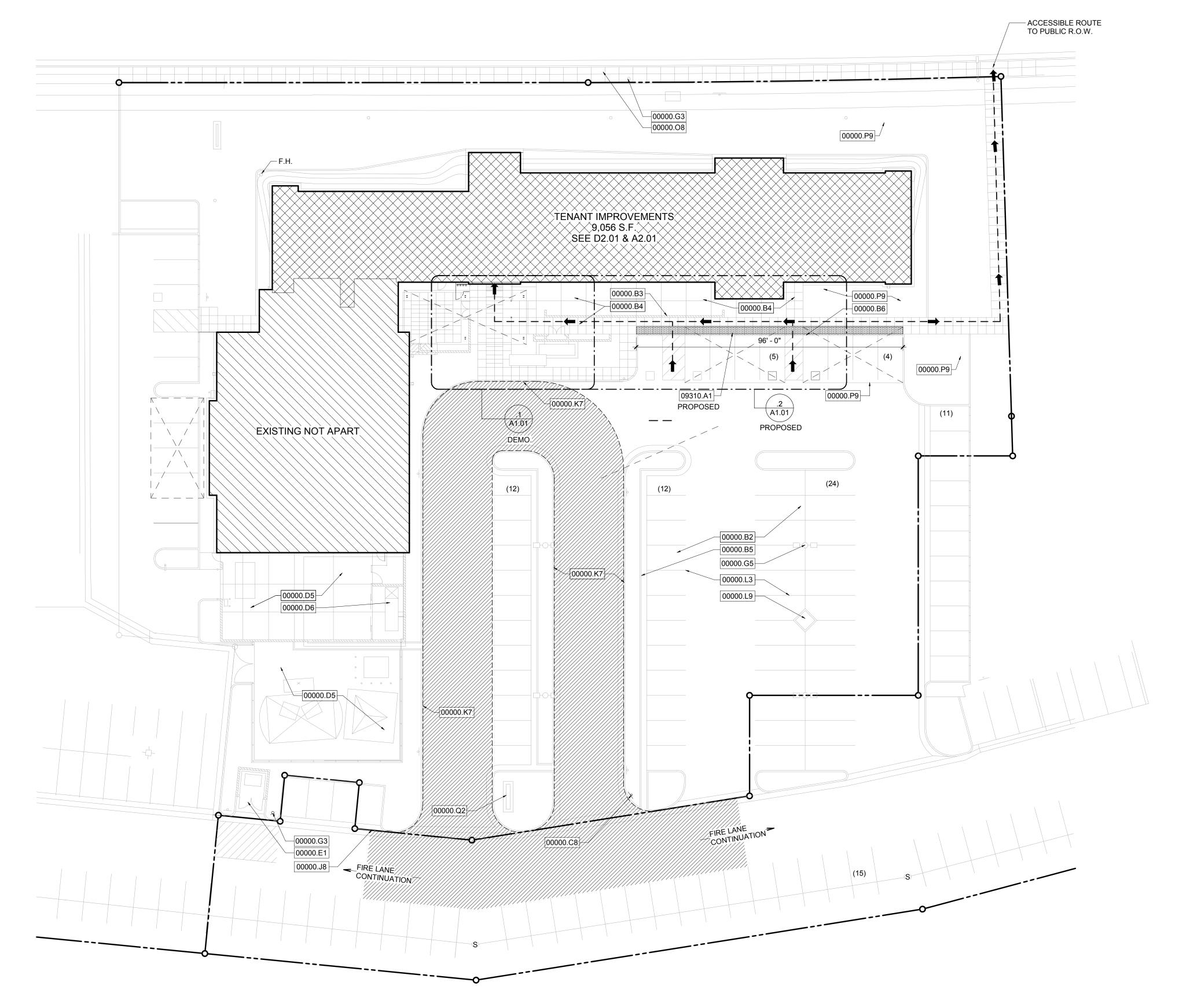
EXISTING PLANTER -

EXISTING CMU -

EXISTING CANOPY STRUCTURE - TYP -

ENLARGED DEMOLITION SITE PLAN

TRUXTUN AVE.



SITE PLAN

1" = 20'-0"

- EXISTING W.I. FENCE

- EXISTING FLATWORK TO BE REMOVED

ROUTE VERTICAL LEVEL CHANGE SEE

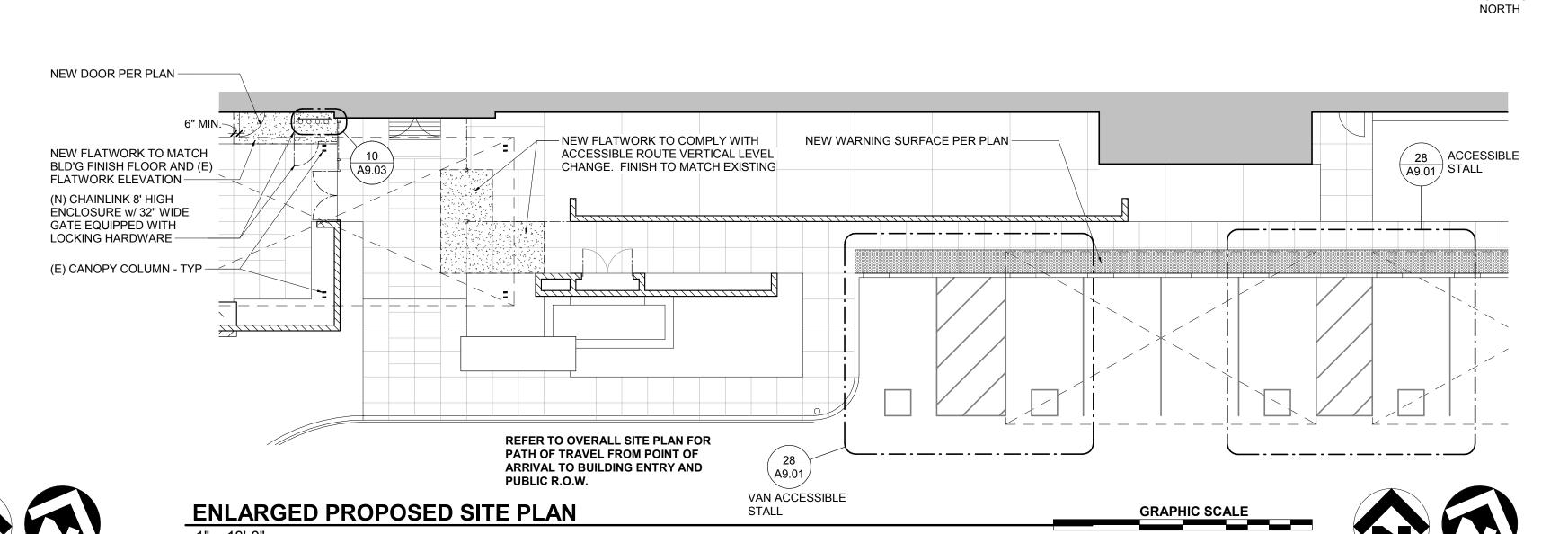
FLATWORK REMOVEL IMAGE THIS SHEET

EXISTING WATER FOUNTAIN

EXISTING BENCH

ALL ELEMENTS AS SHOWN PER PLAN ARE EXISTING AND ONLY THOSE NOTED ARE FOR CLARITY OF SCOPE OF WORK.

NOT COMPLIANT WITH ACCESSIBLE



KEYNOTES NOTE: KEYNOTES ARE TYPICAL WHERE SIMILAR CONDITION OCCURS DESCRIPTION (E) A/C PAVING 00000.B2 00000.B3 (E) CMU WALL 00000.B4 (E) CONCRETE WALK 00000.B5 (E) CURB GUTTER 00000.B6 (E) FLUSH CURB TO REMAIN 00000.C8 (E) PARKING WARNING ENTRY SIGN 00000.D5

Klassen (E) ELECTRIC BACKUP GENERATOR corporation

(E) TRASH BIN (E) FIRE HYDRANT (E) LIGHT STANDARD PROPERTY LINE Architecture

00000.K7 (E) FIRE LANE w/ SIGNAGE & CONC. CURB PAINTED RED 00000.L3 (E) PAINTED PARKING STRIPE 00000.L9 (E) PLANTER AREA 8O.00000 (E) CURB, GUTTER, & SIDEWALK 00000.P9

(E) UTILITY YARD

00000.D6

00000.E1

00000.G3

00000.G5

00000.J8

00000.Q2

09310.A1

2021 Westwind Drive (E) STRUCTURE TO REMAIN (E) MONUMENT SIGN CAST-IN-PLACE TACTILE DETECTABLE WARNING (661) 324-3900 Fax SURFACE TILE

SITE NOTES

CAST-IN-PLACE DETECTABLE TRUNCATED DOME WARNING SURFACE TO BE "ARMOR-TILE TACTILE SYSTEMS" PRODUCT OR EQUAL APPROVED. PRODUCT FEATURES: 24"x36" TILE SIZE; AND, COLOR TO BE FEDERAL YELLOW #33538



Construction

Bakersfield, CA 93301

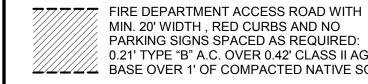
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(661) 324-3000

designs and arrangements represented thereby are part thereof shall be copied, disclosed to others or than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimension: contractors sh verify and be responsible for, all dimensions and of any variations from the dimensions and condition

submitted to this office for approval before proceed

SITE LEGEND



MIN. 20' WIDTH, RED CURBS AND NO PARKING SIGNS SPACED AS REQUIRED: 0.21' TYPE "B" A.C. OVER 0.42' CLASS II AGG. BASE OVER 1' OF COMPACTED NATIVE SOIL



EXISTING BUILDING



PROPOSED TENANT IMPROVEMENTS UNDER THIS PERMIT APPLICATION



ACCESSIBLE BUILDING ENTRANCE

ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED ON PLAN IS A BARRIER - FIRE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX. SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN. AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". AOR SHALL VERIFY THAT THERE ARE NO BARRIERS ALONG THE P.O.T.

PARKING ANALYSIS

PER C.O.B. MUNICIPAL CODE 17.58.110, PARKING REQUIRED: PROPOSED T.I. MEDICAL OFFICE 9,056 (1/200) 46 STALLS EXISTING 6,270 S.F. OFFICE (1/250 S.F.) 25 STALLS TOTAL REQUIRED: 71 STALLS

TOTAL EXISTING PARKING SPACES: 83 STALLS PARKING STALLS: 9' x 20' (TYPICAL)

PER 2016 CBC, 11B-208.2 & 11B-208.2.4: 4 ACCESSIBLE SPACES REQUIRED (INCLUDES 1 VAN ACCESSIBLE STALL)

TWO EXISTING ACCESSIBLE (1 VAN ACCESSIBLE STALL) SPACES TO BE UPDATED TO COMPLY WITH 2016 CBC REQUIREMENTS AND TWO EXISTING COMMON PARKING SPACES CONVERTED TO ACCESSIBLE STALLS, PER PLAN.

CalGreen NOTES

Proposed work under this permit application is for an alteration and Tenant Improvement (T.I.) is under 10,000s.f., therefore, this section of the CalGreen code not applicable.

5.106.4.1 Short-term bicycle parking. No "new visitor motorized parking spaces beign added", therefore, this section of theCalGreen code not applicable.

5.106.4.1.3 Long-Term bicycle parking. Proposed work under this permit application is an alteration of an existing bulding, Tenant Improvement (T.I.), and per parking analysis, proposed work will not add parking spaces, therfore, this section of the CalGreen code not applicable.

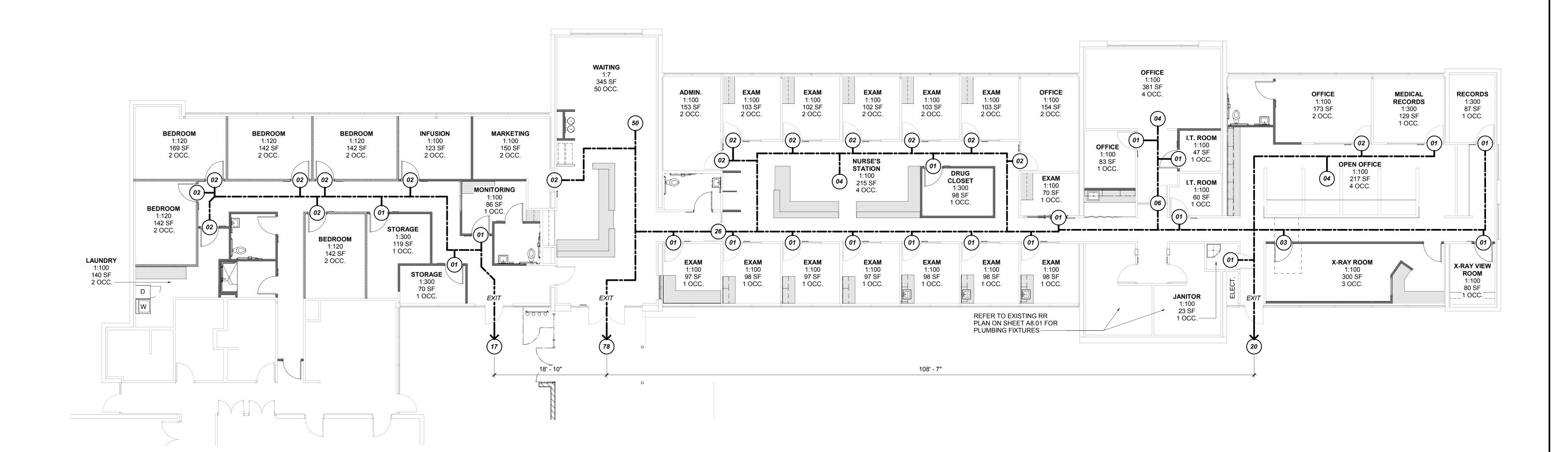
5.106.5.2. Designated parking for clean air vehicles.

Proposed work under this permit application will not add parking spaces, therfore, this section of the CalGreen code not applicable.

Section 5.106.5.3 in its entirely is for new construction [N], therefore, this section of the CalGreen code **not applicable**.

Project No.: 05-1-19504 SITE PLAN

A1.01



CODE ANALYSIS PLAN 1/8" = 1'-0"



BUILDING CODE ANALYSIS

GENERAL DESCRIPTION:	OFFICE, CLINIC, OUTPATIENT
OCCUPANCY:	"B"
CONSTRUCTION TYPE:	"V-B"
FIRE SEPARATION:	NOT REQUIRED
FIRE SPRINKLERS:	YES; EXISTING
ACTUAL BUILDING HEIGHT:	22'
ACTUAL NUMBER OF STORIES:	1
ALLOWABLE AREA:	92,000 S.F.
ALLOWABLE HEIGHT:	75'
ALLOWABLE INCREASES:	NOT REQUIRED
TOTAL ACTUAL AREA:	9,056 S.F.



EXIT ANALYSIS

1ST FLOOR: 115 OCC. x 0.2 = 23.0" REQ'D

TOTAL = 23.0" REQ'D **180" PROVIDED**

www.klassencorp.com

EXIT ACCESS TRAVEL DISTANCE NOT EXCEEDED;

PER **CBC TABLE 1017.2.** (300' MAX.)

PLUMBING FIXTURE ANALYSIS

GROUP B - OFFICE, CLINIC, OUTPATIENT (1:200 FACTOR)

9,056 SF/200 **= 46 TOTAL OCCUPANTS = 23 MALE / 23 FEMALE**

FIXTURES REQUIRED:

1 WATER CLOSET

1 LAVATORY

WOMEN: 2 WATER CLOSETS 1 LAVATORY

DRINKING FOUNTAIN: 1 SERVICE SINK: 1

FIXTURES PROVIDED:

(E) MEN: 2 WATER CLOSET 1 URINAL

2 LAVATORY

(E) WOMEN: 3 WATER CLOSETS 2 LAVATORY

(N) UNISEX: 4 WATER CLOSETS **4 LAVATORY**

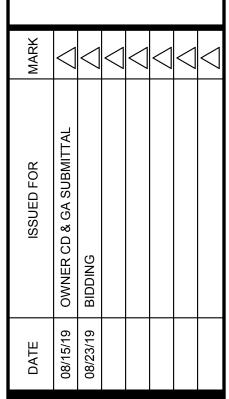
DRINKING FOUNTAIN: 1 SERVICE SINK: 1

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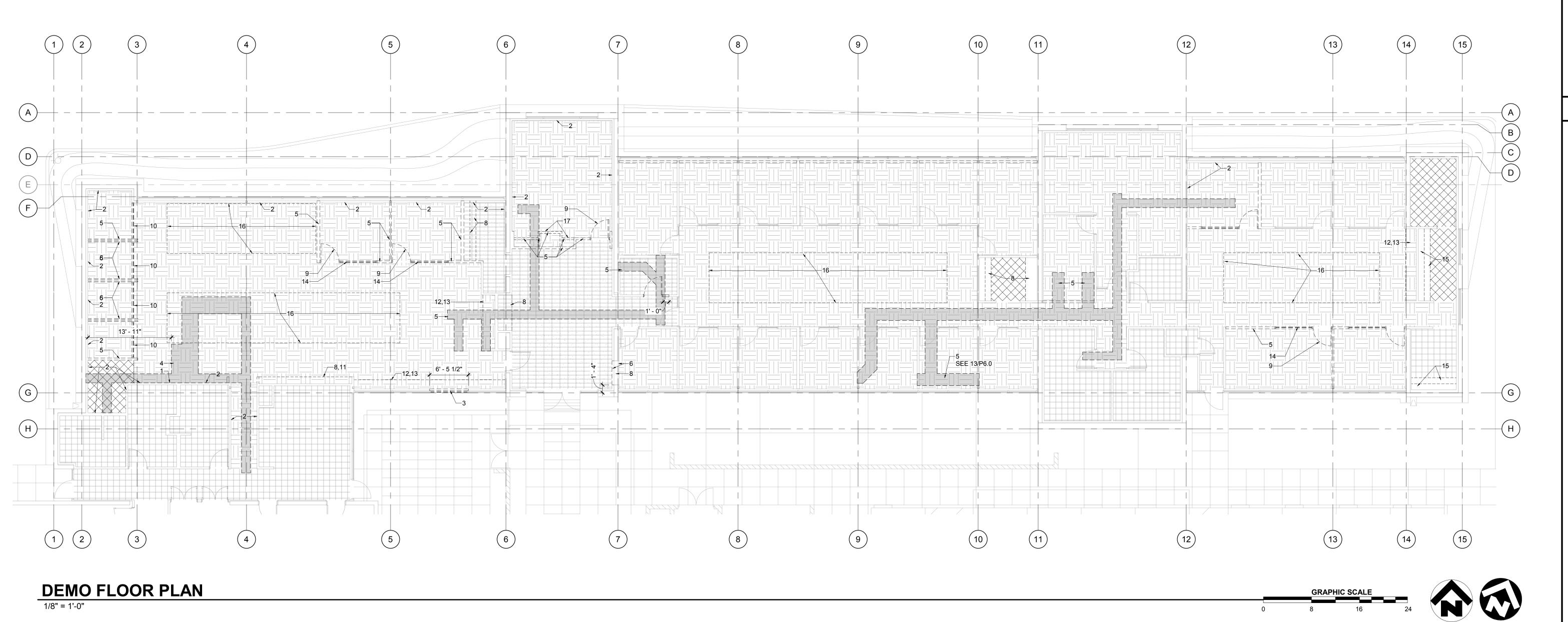
verify and be responsible for, an ultrensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

RY 309



Project No.: 05-1-19504 CODE ANALYSIS PLAN

AG.01



DEMO KEYNOTES

DEMOLITION KEYNOTES ARE APPLICABLE AT ALL SIMILAR CONDITIONS WHERE OCCUR.

REMOVE WHITE MARKER BOARDS. REMOVE EXISTING BASE.

REMOVE PARTIAL WINDOW SYSTEM AS SHOWN. REMOVE PARTIAL FLOOR SLAB TO ALLOW NEW CONSTRUCTION. REMOVE STUD WALL AS SHOWN.

REMOVE PARTIAL STUD WALL AS SHOWN. REMOVE PARTIAL CMU WALL AS SHOWN. SEE GENERAL NOTE #2.

B. REMOVE BUILT-IN CABINETRY. 9. REMOVE DOOR & FRAME. 10. REMOVE GLASS SLIDING DOOR.

11. REMOVE SOFFIT.

12. REMOVE FILE CABINTES. 13. REMOVE COUNTERTOP.

14. REMOVE WINDOW SYSTEM. 15. BUILT-IN CABINETRY TO REMAIN. 16. REMOVE CUBICLE FURNITURE & DEMOUNTABLE WALL SYSTEM. 17. REMOVE WALL/SOFFIT WITH WOOD FINISH - SOFFIT FRAMING TO REMAIN.





GENERAL NOTES

CARPET, FURNITURE, CANIBETRY AND SALVAGEABLE ITEMS: CONTRACTOR SHALL VERIFY WITH OWNER ALL ITEMS/ELEMENTS TO BE REMOVED AND VERIFY/CONFIRM OWNER WANTS TO SALVAGE AND PROTECT.

ROUGH OPENING TO BE 4'-5" WIDE BY 4'-5" HIGH WITH BOTTOM OF OPENING AT 30" ABOVE FINISH FLOOR TO ALLOW WINDOW SILL AT 34" ABOVE FINISH FLOOR MAX.

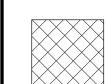
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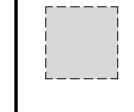
FLOOR DEMO LEGEND

(E) CARPET TO BE REMOVED SALVAGE & PROTECTED FOR RE-INSTALLATION.

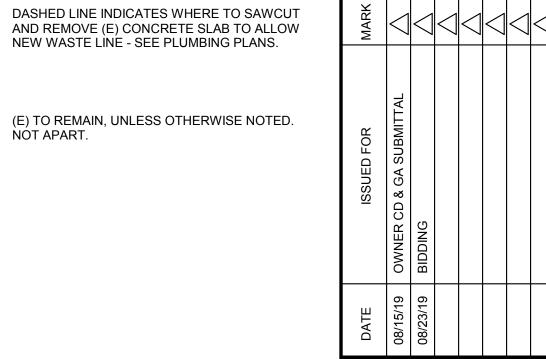
(E) LIMESTONE FLOORING TO BE REMOVED



(E) VINYL COMPOSITION TILE TO BE REMOVED

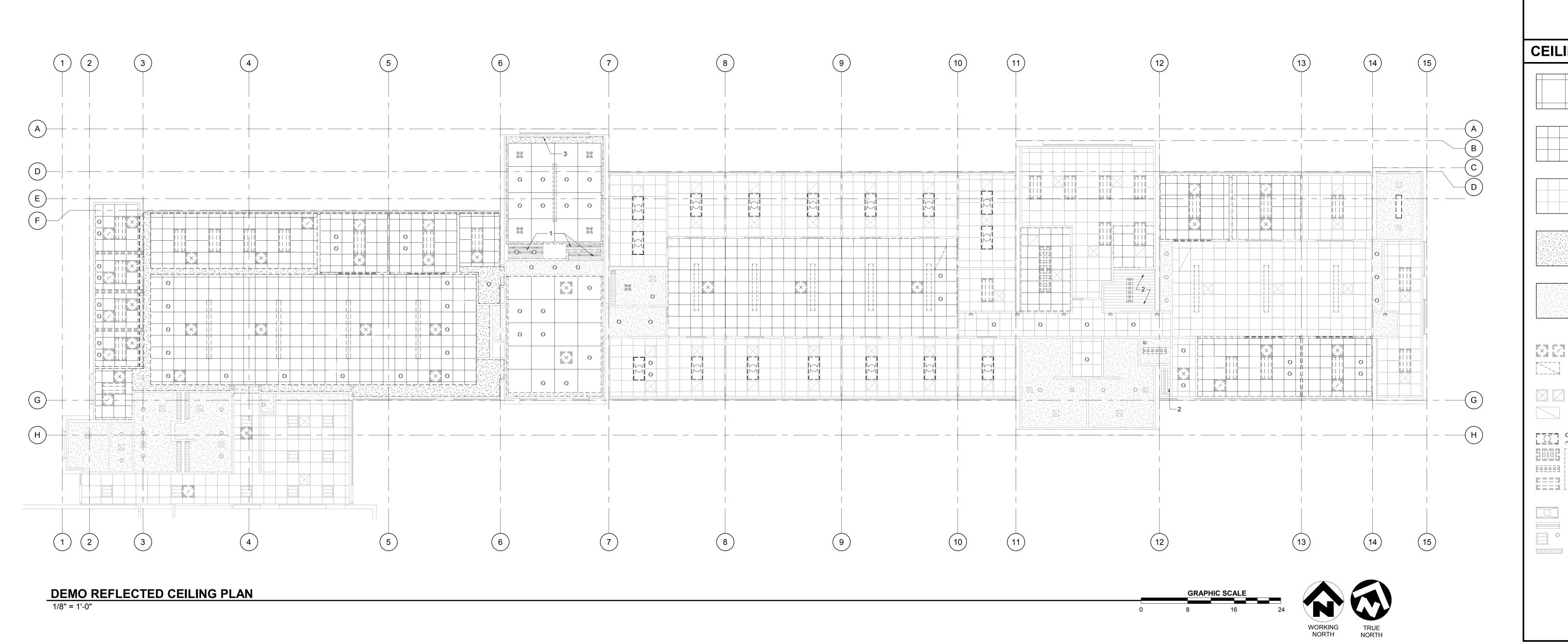


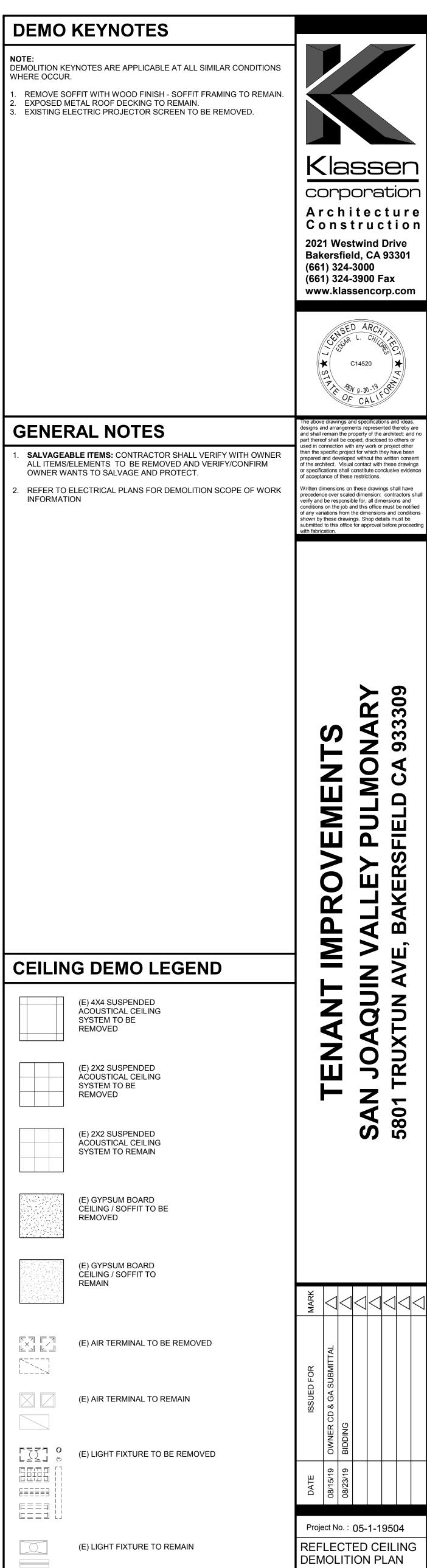
(E) TO REMAIN, UNLESS OTHERWISE NOTED. NOT APART.



Project No.: 05-1-19504 FLOOR DEMOLITION PLAN

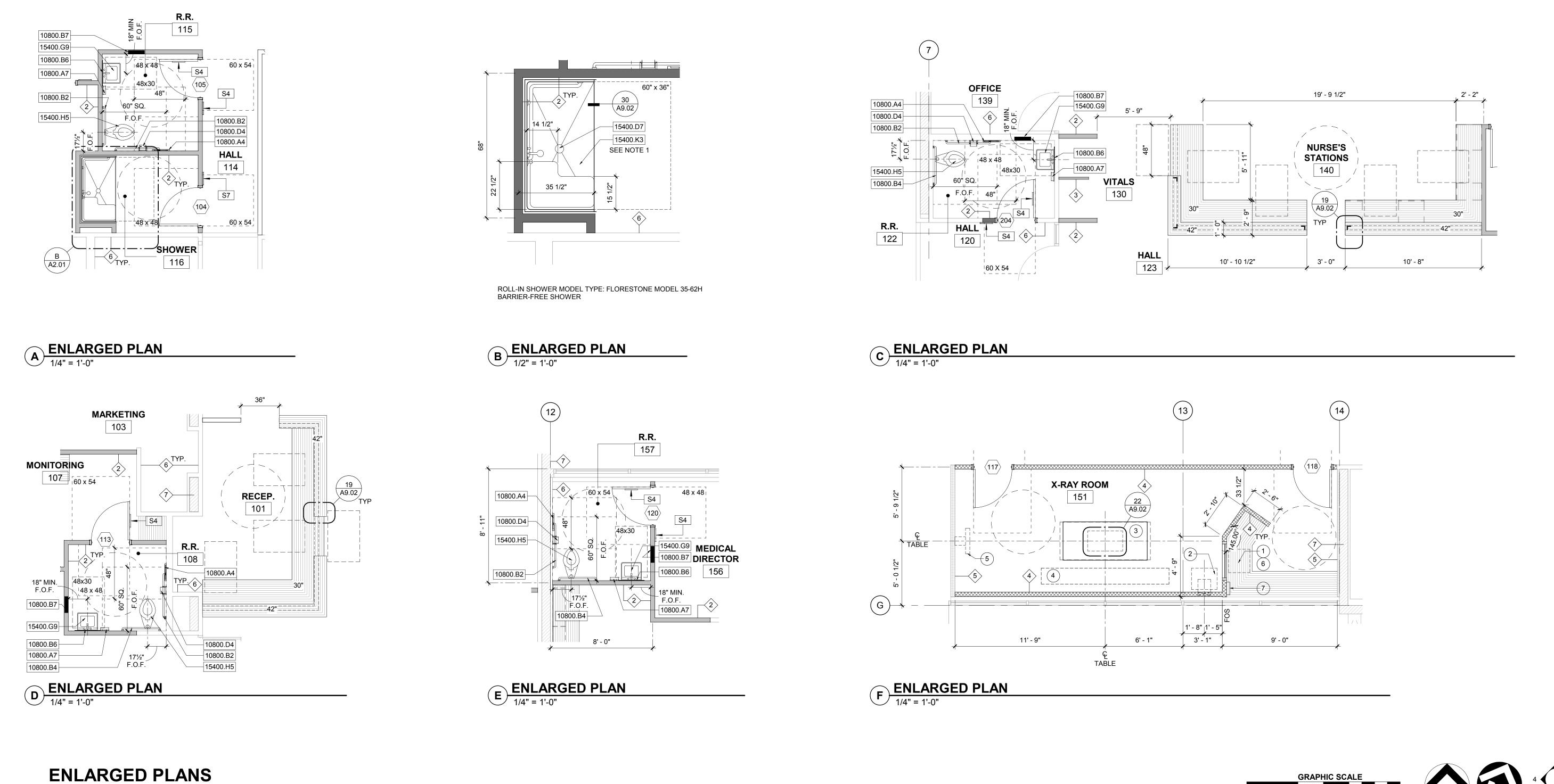
D2.01

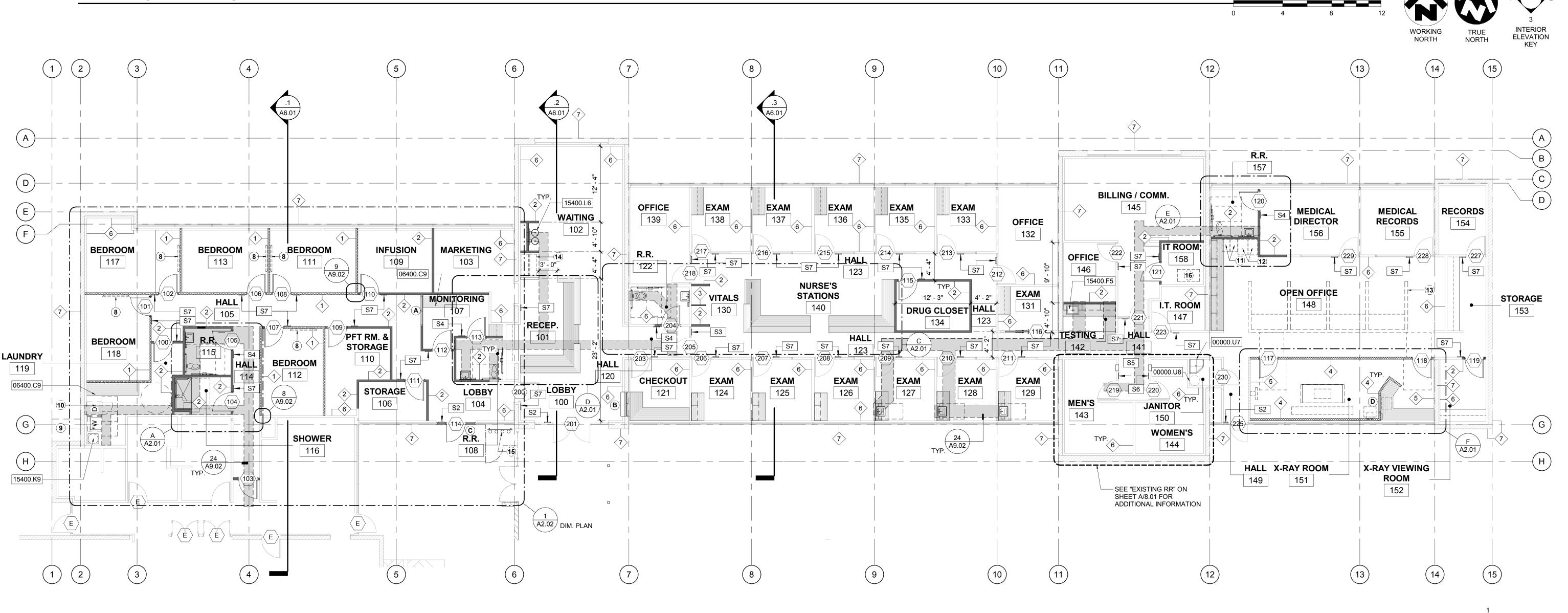




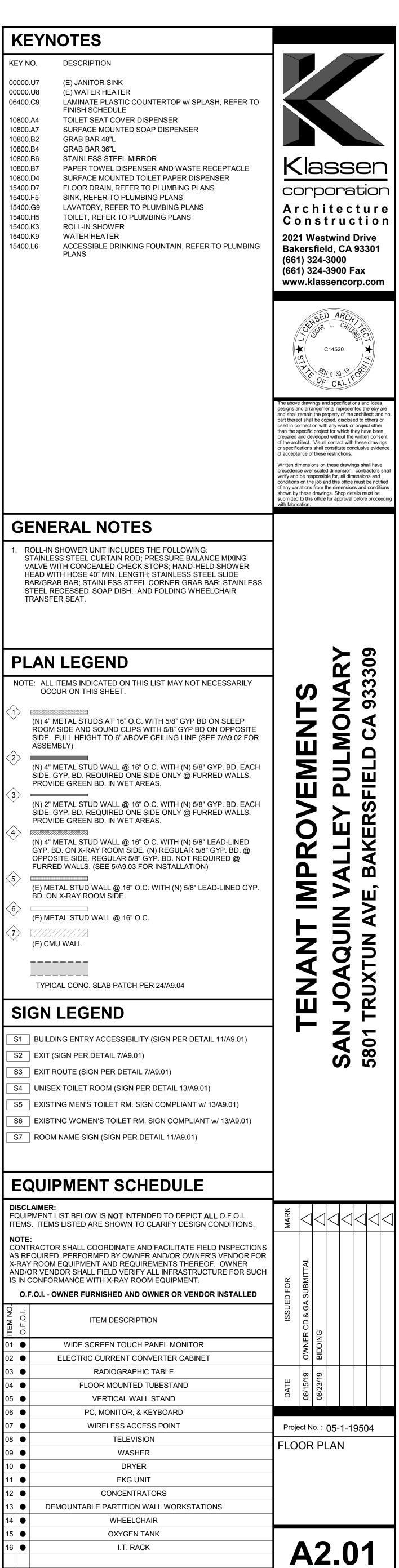
(E) LIGHT FIXTURE TO REMAIN

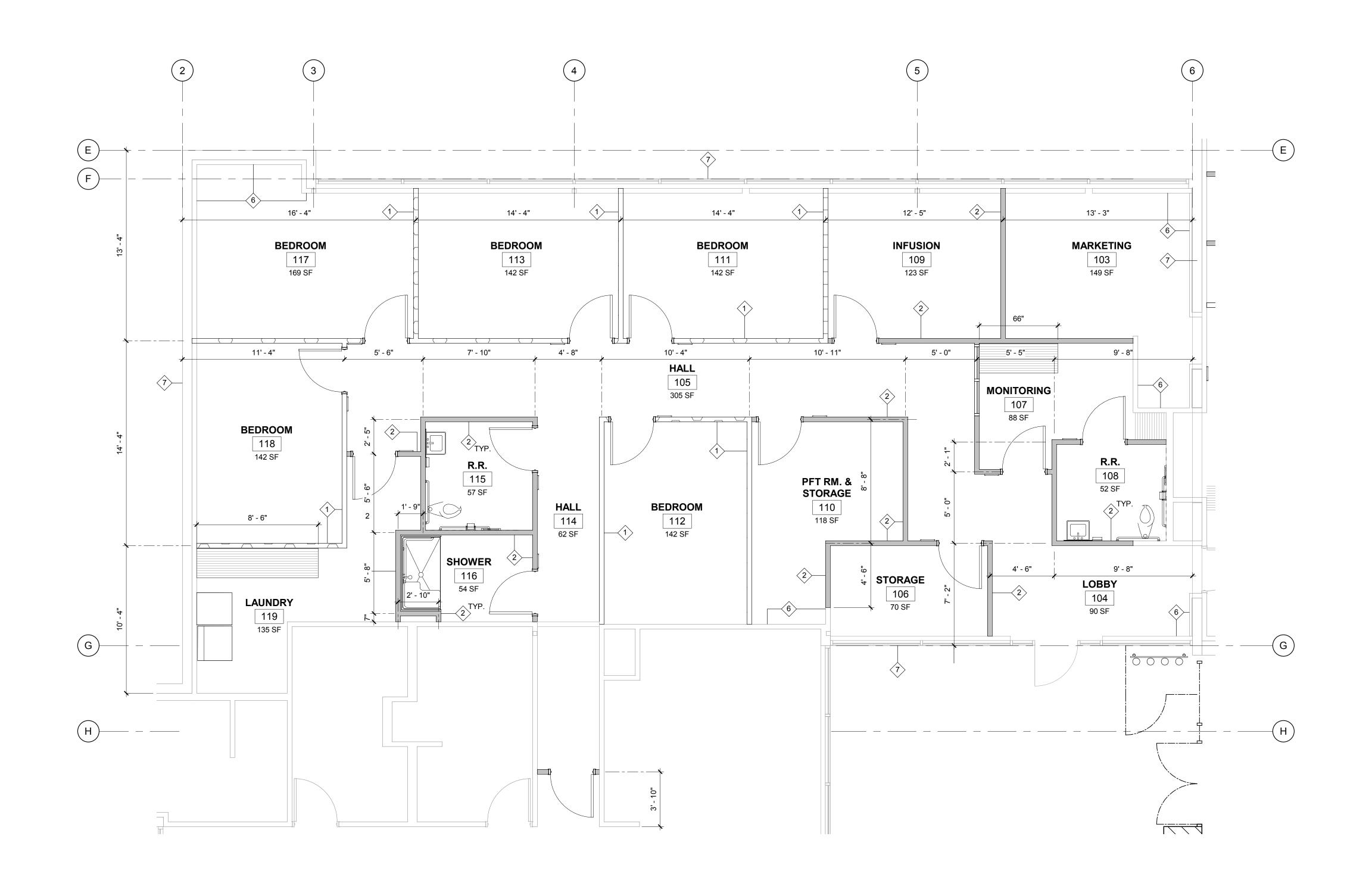
D3.01



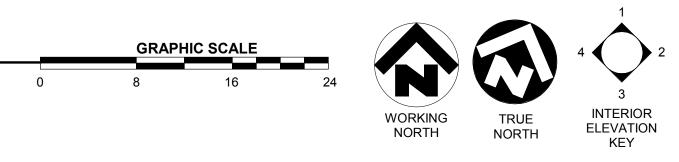


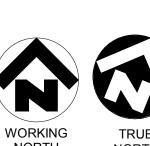
FLOOR PLAN



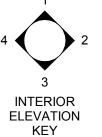


ENALRGED DIMENSION FLOOR PLAN







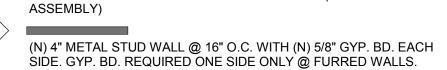


PLAN LEGEND

NOTE: ALL ITEMS INDICATED ON THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET.



(N) 4" METAL STUDS AT 16" O.C. WITH 5/8" GYP BD ON SLEEP ROOM SIDE AND SOUND CLIPS WITH 5/8" GYP BD ON OPPOSITE SIDE. FULL HEIGHT TO 6" ABOVE CEILING LINE (SEE 7/A9.02 FOR



PROVIDE GREEN BD. IN WET AREAS. (N) 2" METAL STUD WALL @ 16" O.C. WITH (N) 5/8" GYP. BD. EACH SIDE. GYP. BD. REQUIRED ONE SIDE ONLY @ FURRED WALLS.

PROVIDE GREEN BD. IN WET AREAS. (N) 4" METAL STUD WALL @ 16" O.C. WITH (N) 5/8" LEAD-LINED GYP. BD. ON X-RAY ROOM SIDE. (N) REGULAR 5/8" GYP. BD. @

OPPOSITE SIDE. REGULAR 5/8" GYP. BD. NOT REQUIRED @ FURRED WALLS. (SEE 5/A9.03 FOR INSTALLATION) (E) METAL STUD WALL @ 16" O.C. WITH (N) 5/8" LEAD-LINED GYP BD. ON X-RAY ROOM SIDE.

(E) METAL STUD WALL @ 16" O.C.

TYPICAL CONC. SLAB PATCH PER 24/A9.04

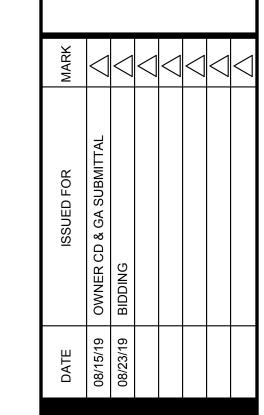
(E) CMU WALL

_____ _____



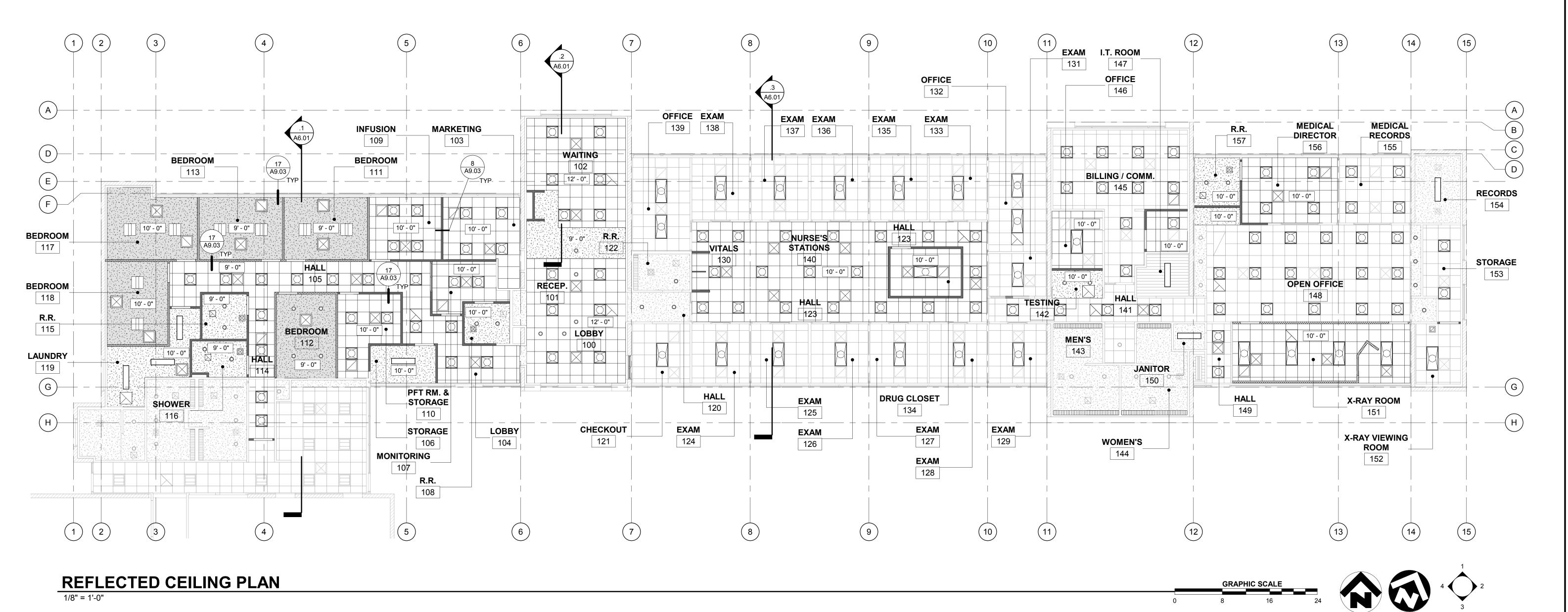


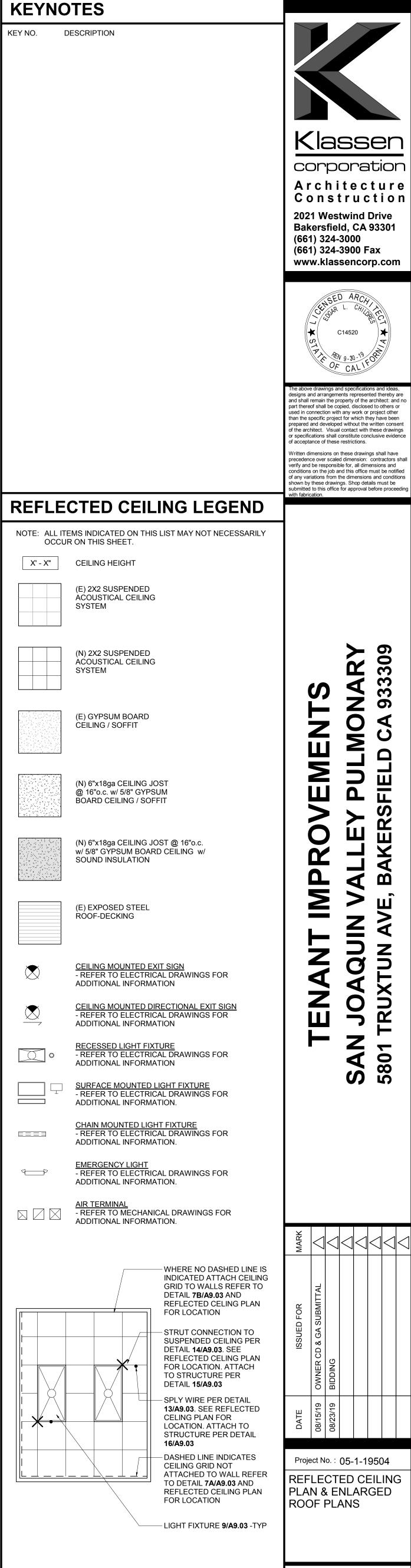
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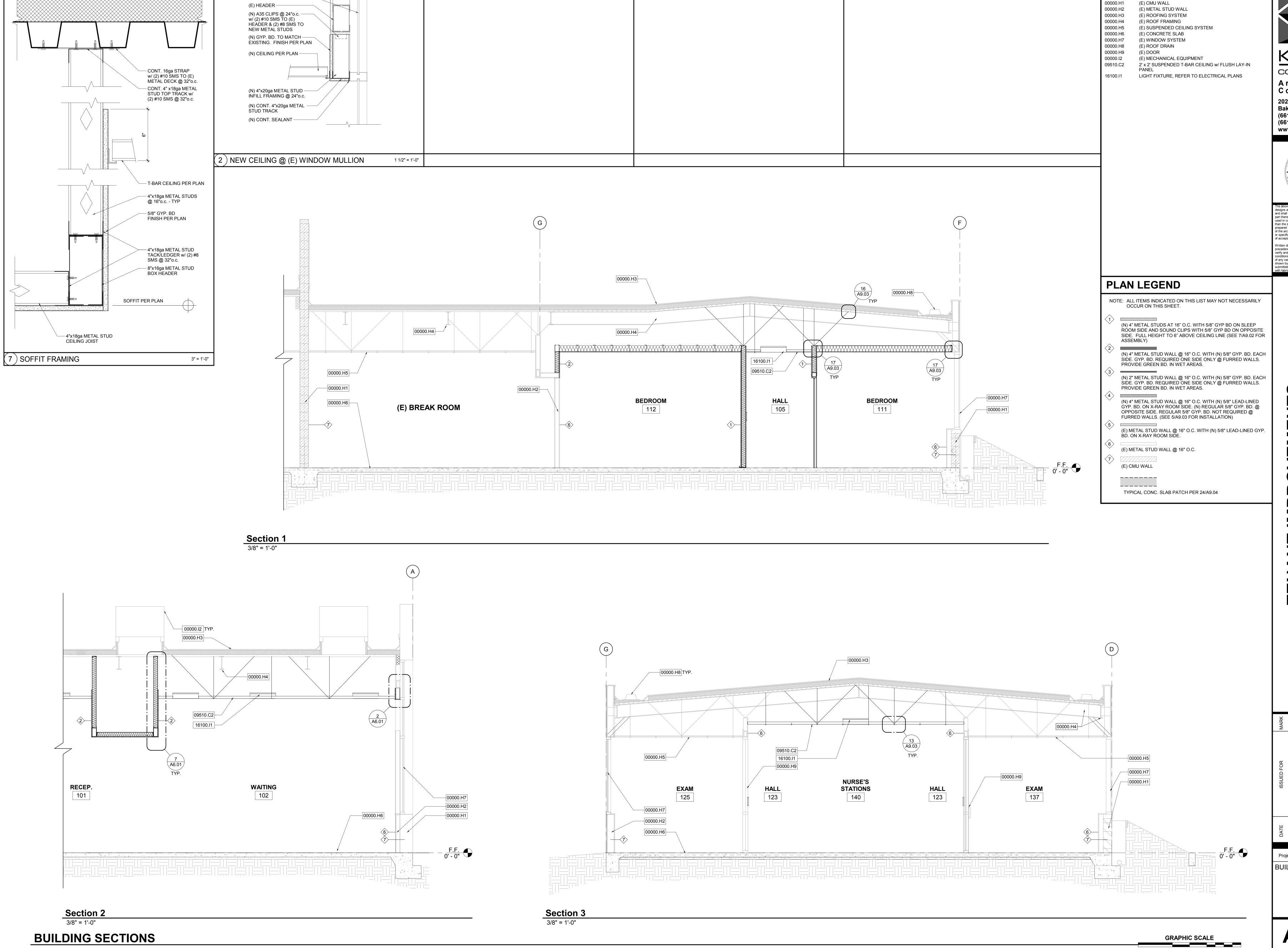
Project No.: 05-1-19504 ENALRGED DIMENSION FLOOR PLAN

A2.02





A3.01



— (E) ROOFING OVER RIGID INSULATION OVER

(E) EXTERIOR WALL

(E) EXTERIOR WINDOW -

METAL DECKING

Klassen corporation Architecture Construction 2021 Westwind Drive Bakersfield, CA 93301 (661) 324-3000 (661) 324-3900 Fax www.klassencorp.com designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimension: contractors sh verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceed

KEYNOTES

DESCRIPTION

PROVEMENTS
ALLEY PULMONARY
SAKERSFIELD CA 933309

Project No.: 05-1-19504
BUILDING SECTIONS

A6.01

		1								T															
FLOOR FIN.	BASE FIN	. W <i>A</i>	ILL 1	WALL 2 FIN.	WALL 3 FIN.	WALL4 F	IN. CEILIN	IG FIN.	CABINETRY	COUNTERTOP	С	COMMENTS	NO.	ROOM NAME	E F	LOOR FIN.	BASE FIN.	WALL 1 FIN.	WALL 2 FIN.	WALL 3 FIN.	WALL4 FIN	. CEILING FIN.	CABINETRY	COUNTERTOP	COMMENTS
CT-1	RB-2	F	P-1	P-1	P-1	P-1	AC	T-1					142	TESTING		SV-1	SVB-1	P-1	P-1	P-1	P-1	HLC-1	PL-1	PL-2	
CT-1	RB-2	F	P-1	P-1	P-1	P-1	ACT-1	/ HLC-1	PL-1	PL-2			143	MEN'S		(E)	(E)	(E)	(E)	(E)	(E)	(E)			
CT-1	RB-2	F	P-1	P-1	P-1	P-1	ACT-1	/ HLC-1					144	WOMEN'S		(E)	(E)	(E)	(E)	(E)	<u> </u>	(E)			
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	AC	T-1					145	BILLING / COMM.		(E)	RB-1	P-1	P-1	P-1	P-1	(E)			
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	AC	T-1					146	OFFICE		(E)	RB-1	P-1	P-1	P-1	P-1	ACT-1			
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	AC	T-1					147	I.T. ROOM		(E)	(E)	(E)	(E)	(E)	(E)	(E)			
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	HL	C-1					148	OPEN OFFICE		CPT	RB-1	P-1	P-1	P-1	P-1	ACT-1 / HLC-1	PL-1	PL-2	
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	AC	T-1		PL-2			149	HALL		SV-1	SVB-1	P-1	P-1	P-1	P-1	(E)			
CT-2	TB-1	WT-	1 / P-1 V	NT-1 / P-1	WT-1 / P-	1 WT-1 / F	P-1 HL	C-1			TILE HT. 4'-6" WHE	ERE OCCURS	150	JANITOR		(E)	(E)	(E)	(E)	(E)	(E)	(E)			
SV-1	SVB-1	F	P-1	P-1	P-1	P-1										SV-1	SVB-1	P-1	P-1	P-1	P-1	ACT-1	PL-1	PL-2	
VCT-1	RB-1	F	P-1	P-1	P-1	P-1							152	X-RAY VIEWING ROO	OM	(E)	(E)	(E)	(E)	(E)	(E)	(E)			
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	HL	C-1					153	STORAGE		VCT-1	RB-1	P-1	P-1	P-1	P-1	(E)			
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	HL	C-1					154	RECORDS		VCT-1	RB-1	P-1	P-1	P-1	P-1	(E)			
VCT-1	SVB-1	F	P-1	P-1	P-1	P-1	HL	C-1					155	MEDICAL RECORDS	}	VCT-1	RB-1	P-1	P-1	P-1	P-1	(E)			
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	AC	T-1					156	MEDICAL DIRECTOR	₹	CPT	RB-1	P-1	P-1	P-1	P-1	ACT-1			
CT-2	TB-1	WT-	1 / P-1 V	NT-1 / P-1	WT-1 / P-	1 WT-1 / F	P-1 HL	C-1			TILE HT. 4'-6" WHE	ERE OCCURS	157	R.R.		CT-2	TB-1	WT-1 / P-	1 WT-1 / P-1	WT-1 / P-1	1 WT-1 / P-1	HLC-1		TILE	HT. 4'-6" WHERE OCCUR
CT-2	TB-1	WT-	1 / P-1 V	NT-1 / P-1	WT-1 / P-	1 P-1	HL	C-1			TILE HT. 4'-6" WHE	RE OCCURS	158	IT ROOM		SC-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	HL	C-1					INITE	DIOD FINIS	CLLLEC	END									
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	HL	C-1						ERIOR FINIS	SH LEG	PEND									
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	HL	C-1		PL-2			EL GODI	NO		DAGE				10/01			OF!! IN	IO EINIOLIEO	
CT-1	RB-2	F	P-1	P-1	P-1	P-1	(Ξ)					FLOORII	<u>NG</u>		BASE				WAL	<u>LS</u>		CEILIN	IG FINISHES	
VCT-1	RB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2			VCT 4 VI	INIVI COMP. TILE (42" V 42")		DD 4	4" DUDDED TODGE	T DACE		D.4	DAINT TOD		ACT-1	ACOUSTICAL CEILING TILE	
CT-2	TB-1	WT-	1 / P-1 V	NT-1 / P-1	WT-1 / P-	1 WT-1 / F	P-1 (Ξ)			TILE HT. 4'-6" WHE	RE OCCURS												STYLE: CORTEGA - 9/16" BE	VELED TEGULAR (OR EQUAL)
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	AC	T-1					SI	TYLE: IMPERIAL TEXTURE(OF	OR EQUAL)		TYPE TP 4" UNI-CO	LOR (OR EQUAL))						
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2										P-3	PAINT - TBD			NOTE: 9/16" SUSPENSION S	SYSTEM (SILHOUETTE 1/8")
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2			SV-1 SI	HEET VINYL		RB-2	6" RUBBER TOPSE	T BASE		VA/T 4	WALL THE (4")	Y			,
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2			SI	TYLE: DECOART POSSIBILITII	TIES (OR EQUAL)		TYPE TP 6" UNI-CO	LOR (OR EQUAL))	VV 1 - 1		!	HLC-1	HARDLID GYP. BD. CEILING	6 PAINTED
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2					, , , ,			Ź			SEMI-GLOSS / N	MATTE (TBD)			
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2			CPT C	ARPET		SVB-1	SHEET VINYL BASE	E							
SV-1	SVB-1	F	2-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2					CTION				D FOLIAL \	WT-2	WALL TILE (4")	X 4") ACCENT BAND	SURF#	ACES	
SV-1	SVB-1	F	2-1	P-1	P-1	P-1	AC	T-1							CHON -		STILE DECUART I	-099181111E9 (O	r EQUAL)		SEMI-GLOSS / N	MATTE (TBD)	PL-1 P	LASTIC LAMINATE (CABINE	TRY)
SV-1	SVB-1	F	P-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2				,											
CPT	RB-1	F	P-1	P-1	P-1	P-1	(Ξ)					CT-1 CF	ERAMIC TILE		TB-1	COVED CERAMIC 1	ILE BASE						LIVEO. WOOD OIVAINO (OIV	<u> </u>
SV-1	SVB-1	F	2-1	P-1	P-1	P-1	(Ξ)	PL-1	PL-2					D FOLIAL \		NOTE DOOME OF		DIM AC	DOO	RS		DI O	N ACTIC I AMINIATE (COUNT	EBC)
VCT-1	RB-1	F	2-1	P-1	P-1	P-1	AC	T-1						`	•		REQUIRED @ RES	JRINER I A 6" IR TROOMS, TYP.	CA IVII	ws	_				
SV-1	SVB-1	_	P-1	P-1	P-1	P-1	(-\	PL-1	PL-2			1 I	OTE: GROUT: CBP - COLOR:			_			442	WOOD STAIN	(ISTING (FIELD VERIFY)	c	ERIES: PATTERNS (OR EQU	Λ1 \
	CT-1 CT-1 CT-1 VCT-1 VCT-1 VCT-1 VCT-1 VCT-1 CT-2 SV-1 SV-1 VCT-1 CT-2 CT-2 SV-1 VCT-1 CT-2 CT-2 SV-1 SV-1 SV-1 SV-1 SV-1 SV-1 SV-1 CT-1 CT-1 CT-1 CT-1 CT-1 CT-1 CT-1 CT	CT-1 RB-2 CT-1 RB-2 CT-1 RB-2 CT-1 RB-2 VCT-1 RB-1 SV-1 SVB-1 SV-1 SVB-1 SV-1 SVB-1 VCT-1 RB-1 CT-2 TB-1 SV-1 SVB-1 VCT-1 RB-1 CT-2 TB-1 SV-1 SVB-1 VCT-1 RB-1 CT-2 TB-1 CT-2 TB-1 CT-2 TB-1 CT-2 TB-1 SV-1 SVB-1	FLOOR FIN. BASE FIN. F CT-1 RB-2 F CT-1 RB-2 F CT-1 RB-2 F VCT-1 RB-1 F VCT-1 R	FLOOR FIN. BASE FIN. FIN. CT-1 RB-2 P-1 CT-1 RB-2 P-1 CT-1 RB-2 P-1 VCT-1 RB-1 P-1 VCT-2 TB-1 WT-1/P-1 VCT-3 SVB-1 P-1 VCT-1 RB-1 P-1 VCT-1 RB-1 P-1 VCT-1 RB-1 P-1	FLOOR FIN. BASE FIN. FIN. FIN. CT-1 RB-2 P-1 P-1 CT-1 RB-2 P-1 P-1 CT-1 RB-2 P-1 P-1 VCT-1 RB-1 P-1 P-1 SV-1 SVB-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 SV-1 SVB-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 SV-1 SVB-1 P-1 P-1	FLOOR FIN. BASE FIN. FIN. FIN. FIN. CT-1 RB-2 P-1 P-1 P-1 CT-1 RB-2 P-1 P-1 P-1 CT-1 RB-2 P-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 P-1 SV-1 SVB-1 P-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 P-1 SV-1 SVB-1 P-1 P-1 P-1 SV-1 SVB-1 P-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 P-1 VCT-1 RB-1 P-1 P-1 P-1	STATE STAT	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALL4 FIN. CEILIN	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALL4 FIN. CEILING FIN.	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALL4 FIN. CEILING FIN. CABINETRY	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALL4 FIN. CEILING FIN. CABINETRY COUNTERTOP	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALL4 FIN. CEILING FIN. CABINETRY COUNTERTOP COUNTERT	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALLA FIN. CELING FIN. CABINETRY COUNTERTOP COMMENTS	RASERIN FIN. FIN. WALL4 FIN. CABINETRY COUNTERTOP COMMENTS NO.	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALLAFIN. CELLING FIN. CABINETRY COUNTERTOP COMMENTS NO. ROOM NAM	FLOREIN BASERN FIN FIN WALLERN CELINGRIN CABINETRY COUNTERTOP COMMENTS No. ROOM NAME F	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALLERN CELLING FIN. CABINETRY COUNTERTOP COMMENTS Mo. ROOM NAME FLOOR FIN.	FLOOR FIN. BASE FIN. FIN. FIN. FIN. FIN. WALLER N. CABINETRY COUNTERTOP COMMENTS NO. ROOM NAME FLOOR FIN. BASE FIN.	FLOOR FIN. BASE FIN. FIN. FIN. FIN. WALLER FIN. CELING FIN. CERING FIN. CONTINENCE COMMENTS No. ROOM NAME FLOOR FIN. BASE FIN. FIN.	FLOOR FIN. PASE FIN. FIN	FLOOR FIN BASE FIN TIN	COLOR FIN DASE FIN TIN TIN WALLER COLUMENTO COLUMENTS COLUMENTS NO. ROOM MAKE FLOOR FIN ARSEN FIN TIN FIN WALLER	COLORINA DASCEN FIN. FIN. WALLETIN CADMETERY COUNTERFOR CAMMENTS M. N. ROCKINAME LOCATION CASCINGTINA FIN. FIN. WALLETIN CALINGTINA CADMETER CADMETER	COURT CASE PI	PLOCATION PASSET PASSET

NOTE: GROUT: CBP - COLOR: TBD

SC-1 SEALED CONCRETE (NATURAL GRAY)
COLOR: CLEAR

STYLE: ZONE 2" X 2" MESH (OR EQUAL)

CT-2 CERAMIC TILE

PL-2

PL-2

PL-2

PL-2

PL-1

PL-1

PL-1

PL-1

136 EXAM

137 EXAM

138 EXAM

141 HALL

139 OFFICE

140 NURSE'S STATIONS

FINISH PLAN

1/8" = 1'-0"

SV-1

SV-1

SV-1

CPT

SV-1

SV-1

SVB-1

SVB-1

SVB-1

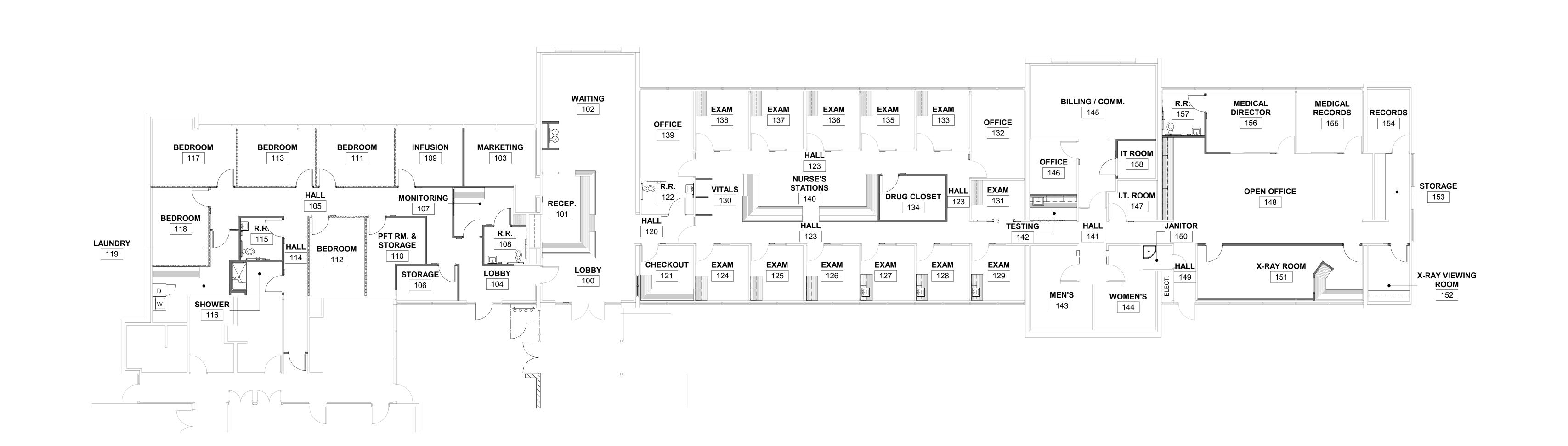
RB-1

SVB-1

SVB-1

P-1

ACT-1



RY 309

Klassen

corporation

Architecture Construction

2021 Westwind Drive Bakersfield, CA 93301

(661) 324-3900 Fax www.klassencorp.com

C14520

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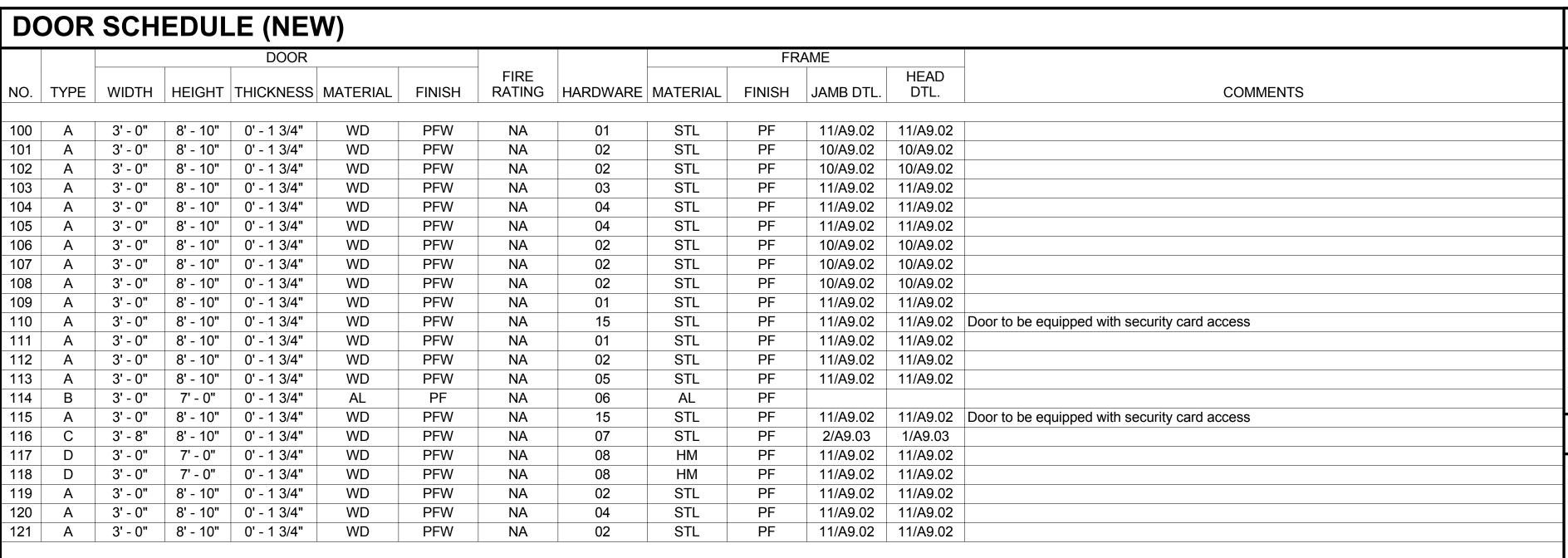
of acceptance of these restrictions.

(661) 324-3000

24 WORKING NORTH

TRUE NORTH

Project No.: 05-1-19504 FINISH SCHEDULE



FINISH

(E) (E)

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(E)

(E)

(E)

(E)

JAMB DTL.

(E)

FF

DOOR TYPES

SEE

SCHEDULE

A DOOR: SC WOOD DOOR, FINISH TO MATCH (E) B

ALL LABELED DOORS SHALL HAVE APPROPRIATE CLOSER AND HARDWARE ASSEMBLIES AS REQUIRED

3. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL

5. CONTRACTOR TO SUBMIT DOOR SIGNAGE SCHEDULE TO ARCHITECT FOR APPROVAL PRIOR TO

7. IN ADDITION TO THE LOCATIONS INDICATED, PROVIDE TEMPERED GLASS IN THE FOLLOWING LOCATIONS:

9. ALL PANIC HARDWARE DEVICES ARE TO BE INSTALLED AT 40" ABOVE FINISH FLOOR TO CENTER OF PAD.

B. IN FIXED PANELS WHICH HAVE A GLAZED AREA IN EXCESS OF 9 S.F. AND THE LOWEST EDGE IS

FRAME: TIMELY CLASSIC FRAME (C-SERIES)

2. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL BE AS FOLLOWS

= 15 LBS. (MAX.)

KNOWLEDGE OR EFFORT OR ABILITY TO GRASP THE OPENING HARDWARE.

8. VERIFY ALL STUD OPENINGS PRIOR TO FRAME FABRICATION AND INSTALLATION.

w/ TA-23 ALUMINUM CASING.

DOOR & FRAME NOTES

A. INTERIOR DOORS = 5 LBS.

B. EXTERIOR DOORS = 8 LBS.

4. ALL DOOR HARDWARE SHALL BE LEVER TYPE.

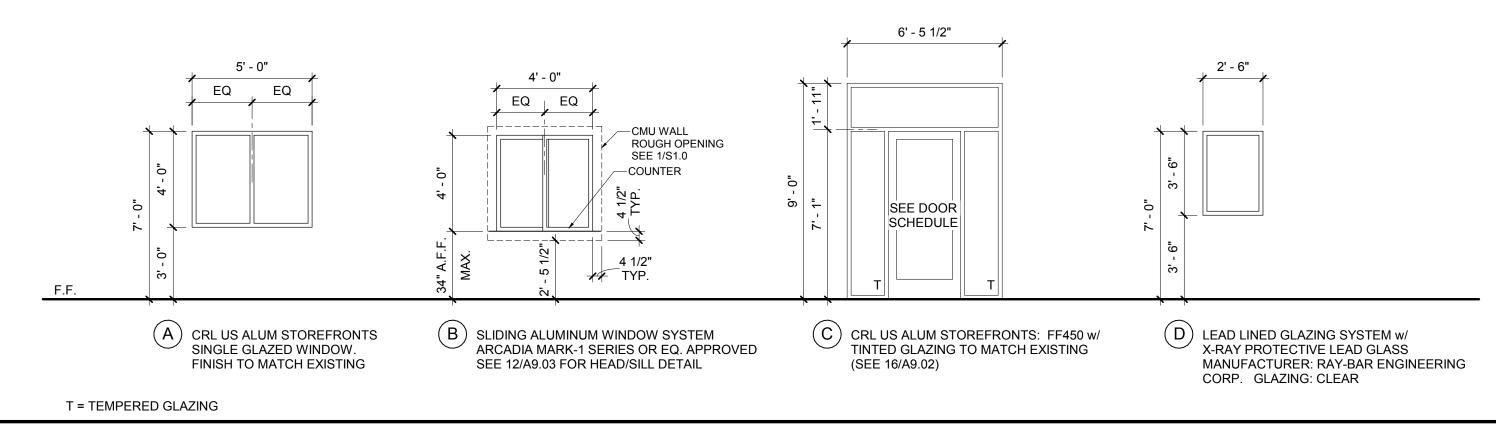
6. ALL DOORS ARE 1-3/4" THICK UNLESS OTHERWISE NOTED.

LESS THAN 18" ABOVE FINISHED FLOOR LEVEL.

A. WITHIN A 24" RADIUS OF DOOR JAMBS;

BY DOOR LABELING AGENCY.

WINDOW TYPES



SCHEDULE

(SEE 23/A9.02)

CRL US ALUM STOREFRONTS: FF450 w/

TINTED GLAZING TO MATCH EXISTING



CHIGAR L. CHILDROCK
C14520
PP 0F CAL 1 FOR

designs and arrangements represented thereby ar part thereof shall be copied, disclosed to others of than the specific project for which they have bee prepared and developed without the written consen of the architect. Visual contact with these drawings acceptance of these restrictions. Written dimensions on these drawings shall have verify and be responsible for, all dimensions and

DOOR: LEAD LINED SC WOOD DOOR, FINISH TO MATCH (E)

conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

RY 309

ABBREVIATIONS

FRAME: TIMELY POCKET DOOR TRIM KIT (P-SERIES)

w/ TA-23 ALUMINUM CASING. (SEE DETAIL 3/A9.03

C DOOR: SC WOOD DOOR, FINISH TO MATCH (E)

3'-6" CLR

DOOR OPENING

ANODIZED

TG = TEMPERED GLASS WD = WOOD

Y = YES

SC = SOLID CORE STL = STEEL

PR = PAIR

PFW = PREFINISHED WOOD (STAINED)

SCHEDULE

FRAME: HM FRAME

MANUFACTURER: RAY-BAR ENGINEERING CORP.

626

689

626 GRY

SCH

LCN

SCH

SCH

SCH

IVE

AL = ALUMINUM

FOR INVERTED STOP)

DOOR WIDTH

PER SCHEDULE

= DOUBLE HM = HOLLOW METAL = NO

> = PAINTED FINISH PF = PREFINISHED

HW SET: 05

SCH

SCH

SCH

SCH

SCE

626

626

4 EA HINGE

1 EA PRIVACY SET

1 EA WALL STOP

3 EA SILENCER

1 EA SURFACE CLOSER 4031 EDA

FINISH HARDWARE

PART 1 GENERAL

1.1 QUALITY ASSURANCE: A. Hardware: New, free of defects, blemishes and excessive play. Obtain each kind of hardware (latch and locksets, exit devices, hinges and closers) from one manufacturer.

0' - 1 3/4"

DOOR SCHEDULE (EXISTING)

200 (E) 3' - 0" 8' - 10" 0' - 1 3/4"

214 (E) 3' - 0" 8' - 10" 0' - 1 3/4"

215 (E) 3' - 0" 8' - 10" 0' - 1 3/4"

216 (E) 3' - 0" 8' - 10" 0' - 1 3/4"

3' - 0" | 8' - 10"

229 (E) 3' - 0" 8' - 10" 0' - 1 3/4"

230 (E) 2' - 6" 7' - 0" 0' - 1 3/4"

NO. TYPE | WIDTH | HEIGHT | THICKNESS | MATERIAL | FINISH

B. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort.

1.2 PROJECT CONDITIONS:

- A. Where exact types of hardware specified are not adaptable to finished shape or size of members requiring hardware, provide suitable types having as nearly as practical as the same operation and quality as type specified, subject to Architect's approval.
- B. Prior to submittal, carefully inspect existing conditions to verify finish hardware required to complete Work, including sized, quantities, and sill conditions material. If conflict between the scheduled material and existing conditions, submit request for directions from Architect. Include date of jobsite visit in the

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. Manufacturers and their abbreviations used in this schedule:
 - IVE H. B. Ives LCN LCN Closers SCH Schlage Lock Company
 - SCE Schlage Electronics NGP National Guard Products VON Von Duprin

KEYING REQUIREMENTS:

- A. Key System: Existing Schlage keyway, non-interchangeable core typically with interchangeable core type operating cylinders for panic hardware. Key blanks available only from factory-direct sources, not available from after-market key blank manufacturers. For estimate use factory GMK charge. Initiate and conduct meetings(s) with Owner to determine system keyway(s) and structure, furnish Owner's written approval of the system.
- New master key system. 2. Construction keying: furnish temporary keyed-alike cylinders/cores. Remove at substantial completion and install permanent cylinders/cores in Owner's presence. Demonstrate that construction key no longer operates. Temporary cylinders/cores remain Supplier's property. Furnish 10 construction keys.
- B. Key Cylinders: utility patented, 6-pin solid brass construction.

Furnish 2 construction control keys.

- C. Cylinders/cores: keyed at factory of lock manufacturer where permanent records are maintained. Locks and cylinders same
- origination to Owner. 1. For estimate: 3 keys per change combination, 5 master keys per group, 5 grand-master keys, 3 control keys.

D. Permanent keys: secured shipment direct from point of

E. Bitting List: Secured shipment direct from point of origination to Owners completion.

PART 3 EXECUTION

3.1 PREPARATION: A. Locate hardware per SDI-100 and applicable building, fire, lifesafety, accessibility, and security codes. 1. Where new hardware is to be installed near existing doors/hardware scheduled to remain, match locations of existing hardware.

2.2 KEYING REQUIREMENTS:

A. Key System: Existing Schlage keyway, non-interchangeable core typically with interchangeable core type operating cylinders for panic hardware. Key blanks available only from factory-direct sources, not available from after-market key blank manufacturers. For estimate use factory GMK charge. Initiate and conduct meetings(s) with Owner to determine system keyway(s) and structure, furnish Owner's written

RATING HARDWARE MATERIAL

13

NA

- approval of the system. New master key system 2. Construction keying: furnish temporary keyed-alike cylinders/cores. Remove at substantial completion and install permanent cylinders/cores in Owner's presence. Demonstrate that construction key no longer operates.
- 3. Temporary cylinders/cores remain Supplier's property. 4. Furnish 10 construction keys. 5. Furnish 2 construction control keys. B. Key Cylinders: utility patented, 6-pin solid brass construction.
- C. Cylinders/cores: keyed at factory of lock manufacturer where permanent records are maintained. Locks and cylinders same D. Permanent keys: secured shipment direct from point of
- origination to Owner. 1. For estimate: 3 keys per change combination, 5 master keys per group, 5 grand-master keys, 3 control keys.
- E. Bitting List: Secured shipment direct from point of origination to Owners completion.

PART 3 EXECUTION

3.1 PREPARATION:

- A. Locate hardware per SDI-100 and applicable building, fire, lifesafety, accessibility, and security codes. 1. Where new hardware is to be installed near existing doors/hardware scheduled to remain, match locations of existing hardware.
- B. Existing frames and doors scheduled to receive new hardware: carefully remove existing hardware, tag and bag, and turn over to Owner. 1. Patch and fill wood frames and doors with solid wood stock or dowel material before cutting for new hardware. Do not reuse existing screw holes - - fill and re-pilot. Metal doors/frames: Weld or fasten with screws: filler pieces in existing hardware cut-outs and mortises not scheduled for re-use by new hardware. Leave surfaces smooth - - no applied patches.

3.2 INSTALLATION

- A. Install hardware per manufacturer's instructions and recommendations. Do not install surface-mounted items until finishes have been completed on substrate. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate for proper installation and operation. 1. Gaskets: install jamb-applied gaskets before closers, overhead stops, rim strikes, etc. Install sweeps
- sweeps around bottom pivots, trim astragals to tops of sweeps. 2. When hardware is to be attached to existing metal surface and insufficient reinforcement exists, use RivNuts, NutSerts or similar anchoring device for

across bottoms of doors before astragals, cope

B. Locate floor stops not more than 4 inches from the wall.

3.3 ADJUSTING

A. Adjust and check for proper operation and function. Replace units, which cannot be adjusted to operate freely and Hardware damaged by improper installation or adjustment methods to be repaired or replaced to Owner's satisfaction.

3.4 PROTECTION/CLEANING:

- A. Cover installed hardware, protect from paint, cleaning agents, weathering, carts/barrows, etc. Remove covering materials
- and clean hardware just prior to substantial completion. 3.5 SCHEDULE OF FINISH HARDWARE

HEAD

(E)

A. See door schedule in drawings for hardware set assignments.

1 EA WALL STOP

3 EA SILENCER

HW S	SET: 01	1		
4	EA	HINGE	5BB1 4.5 X 4.5	652
1	EA	ENTRANCE LOCK	AL53PD SAT	626
1	EA	WALL STOP	WS401CCV	626
3	EA	SILENCER	SR65	GRY
HW S	SET: 02	2		
4	EA	HINGE	5BB1 4.5 X 4.5	652
1	EA	OFFICE LOCK	AL50PD SAT	626
1	EA	WALL STOP	WS401CCV	626
3	EA	SILENCER	SR65	GRY
HW S	SET: 03	3		
3	EA	HINGE	5BB1 4.5 X 4.5	652
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW8	652
1	EA	EU STOREROOM LOCK	ND80PDEU RHO RX	626

HW S	ET: 04	l .		
4	EA	HINGE	5BB1 4.5 X 4.5	
1	EA	PRIVACY SET	AL40S SAT	
1	EA	SURFACE CLOSER	4031	

WS401CCV

SR65

Miscellaneous Material: 1 EA OPTION BOARD 900-4R

HW S	ET: 01				
4	EA	HINGE	5BB1 4.5 X 4.5	652	IV
1	EA	ENTRANCE LOCK	AL53PD SAT	626	S
1	EA	WALL STOP	WS401CCV	626	IV
3	EA	SILENCER	SR65	GRY	IV
HW S	ET: 02	1			
4	EA	HINGE	5BB1 4.5 X 4.5	652	IV
1	EA	OFFICE LOCK	AL50PD SAT	626	S
1	EA	WALL STOP	WS401CCV	626	IV
3	EA	SILENCER	SR65	GRY	IV
HW S	ET: 03	J			
3	EA	HINGE	5BB1 4.5 X 4.5	652	IV
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW8	652	IV
1	EA	EU STOREROOM LOCK	ND80PDEU RHO RX	626	S
1	EA	SURFACE CLOSER	4031 EDA	689	LC
1	EA	WALL STOP	WS401CCV	626	IV
3	EA	SILENCER	SR65	GRY	IV
1	EA	DOOR POSITION SWITCH	679-05 HM		S

EA ENTRANCE LOCK AL53PD SAT 626 EA WALL STOP WS401CCV 626 B EA SILENCER SR65 GRY SET: 02 SET: 02 652 652 626 EA OFFICE LOCK AL50PD SAT 626 626 EA WALL STOP WS401CCV 626 626	IVE SCH IVE IVE
EA HINGE 5BB1 4.5 X 4.5 EA OFFICE LOCK AL50PD SAT 626 EA WALL STOP WS401CCV 626 B EA SILENCER SR65 GRY	
EA OFFICE LOCK AL50PD SAT 626 EA WALL STOP WS401CCV 626 BEA SILENCER SR65 GRY	
SET: 03	IVE
EA ELECTRIC HINGE 5BB1 4.5 X 4.5 TW8 652	IVE IVE SCH
EA WALL STOP WS401CCV 626 B EA SILENCER SR65 GRY	LCN IVE IVE SCE

SET: 01					
EA EA EA	HINGE ENTRANCE LOCK WALL STOP SILENCER	5BB1 4.5 X 4.5 AL53PD SAT WS401CCV SR65		652 626 626 GRY	IVE SCH IVE IVE
SET: 02	2				
EA EA EA	HINGE OFFICE LOCK WALL STOP SILENCER	5BB1 4.5 X 4.5 AL50PD SAT WS401CCV SR65		652 626 626 GRY	IVE SCH IVE IVE
SET: 03	3				
EA EA EA EA EA	HINGE ELECTRIC HINGE EU STOREROOM LOCK SURFACE CLOSER WALL STOP SILENCER DOOR POSITION SWITCH	5BB1 4.5 X 4.5 5BB1 4.5 X 4.5 TW8 ND80PDEU RHO RX 4031 EDA WS401CCV SR65 679-05 HM		652 652 626 689 626 GRY	IVE IVE SCH LCN IVE IVE SCE
RS NO	RMALLY CLOSED AND	LOCKED. DOOR UNLOCKE	D BY VALID CARD READ	ER OR	

1 EA POWER SUPPLY PS906-4R

HINGE ENTRANCE LOCK WALL STOP SILENCER	5BB1 4.5 X 4.5 AL53PD SAT WS401CCV SR65	652 626 626 GRY	IVE SCH IVE IVE
HINGE OFFICE LOCK WALL STOP SILENCER	5BB1 4.5 X 4.5 AL50PD SAT WS401CCV SR65	652 626 626 GRY	IVE SCH IVE IVE
HINGE ELECTRIC HINGE EU STOREROOM LOCK	5BB1 4.5 X 4.5 5BB1 4.5 X 4.5 TW8 ND80PDEU RHO RX	652 652 626	IVE IVE SCH
SURFACE CLOSER WALL STOP SILENCER DOOR POSITION SWITCH	4031 EDA WS401CCV SR65 679-05 HM	689 626 GRY	LCN IVE IVE SCE
	HINGE OFFICE LOCK WALL STOP SILENCER HINGE OFFICE LOCK WALL STOP SILENCER HINGE ELECTRIC HINGE EU STOREROOM LOCK SURFACE CLOSER WALL STOP SILENCER DOOR POSITION	ENTRANCE LOCK WALL STOP SILENCER HINGE OFFICE LOCK WALL STOP WS401CCV SILENCER SBB1 4.5 X 4.5 WS401CCV SILENCER WS401CCV SILENCER SR65 HINGE ELECTRIC HINGE EU STOREROOM LOCK SURFACE CLOSER WALL STOP WS401CCV SILENCER WS401CCV SILENCER FOR SURFACE CLOSER WS401CCV SILENCER WS401CCV SILENCER SR65 DOOR POSITION SR65	ENTRANCE LOCK WALL STOP WS401CCV SILENCER HINGE OFFICE LOCK WALL STOP WS401CCV SR65 GRY HINGE OFFICE LOCK WALL STOP WS401CCV G26 WALL STOP WS401CCV G26 SILENCER HINGE SBB1 4.5 X 4.5 G26 GRY HINGE SBB1 4.5 X 4.5 G27 GRY HINGE SBB1 4.5 X 4.5 G28 GRY HINGE SBB1 4.5 X 4.5 G29 GRY HINGE SBB1 4.5 X 4.5 G29 GRY G20 GRY

A A A	HINGE ENTRANCE LOCK WALL STOP SILENCER	5BB1 4.5 X 4.5 AL53PD SAT WS401CCV SR65	652 626 626 GRY	IVE SCH IVE IVE
: 02	r G			
Α	HINGE	5BB1 4.5 X 4.5	652	IVE
Α	OFFICE LOCK	AL50PD SAT	626	SCH
Α	WALL STOP	WS401CCV	626	IVE
Α	SILENCER	SR65	GRY	IVE
: 03				
Α	HINGE	5BB1 4.5 X 4.5	652	IVE
Α	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW8	652	IVE
Α	EU STOREROOM LOCK	ND80PDEU RHO RX	626	SCH
Α	SURFACE CLOSER	4031 EDA	689	LCN
Α	WALL STOP	WS401CCV	626	IVE
Α	SILENCER	SR65	GRY	IVE
Α	DOOR POSITION SWITCH	679-05 HM		SCE

COMMENTS

Door to be equipped with security card access

HW SET: 10

HW SET: 12

SCE

SCE

652

626

689

626

GRY

SCH

LCN

IVE

IVE

HW S	ET: 11			
1	EA	CLASSROOM LOCK	AL70PD SAT	626
BALA	NCE C	F EXISTING HARDWAF	RE TO REMAIN	

AL40S SAT

REKEY EXISTING CYLINDER

BAI	LAN	NCE C	F EXISTING HAR	DWARE TO REMAIN
HW	/ SI	ET: 13		
84	1	EA	OFFICE LOCK	AL50PD SAT

BALANCE OF EXISTING HARDWARE TO REMAIN

HW SET: 14		

1 EA PRIVACY SET

W S	ET: 15	i		
3	EA	HINGE	5BB1 4.5 X 4.5	652
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW8	652
1	EA	EU STOREROOM LOCK	ND80PDEU RHO RX	626
1	EA	SURFACE CLOSER	4031	689
1	EA	WALL STOP	WS401CCV	626
3	EA	SILENCER	SR65	GRY
1	EA	DOOR POSITION	679-05 HM	

EXISTING DOOR, FRAME AND HARDWARE

DOORS NORMALLY CLOSED AND LOCKED. DOOR UNLOCKED BY VALID CARD READER OR PROGRAMMED TIME UNLOCK. FREE EGRESS AT ALL TIMES.

1	EA	CONTINUOUS HINGE	112XY	628
1	EA	PANIC HARDWARE	35A-NL-OP	626
1	EA	RIM CYLINDER	20-057-ICX (SPECIFY A, B OR C)	626
1	EA	CORE ONLY	23-030	626
1	EA	OFFSET DOOR PULL		630
1	EA	SURFACE CLOSER	4111 EDA	689
1	EA	MOUNTING PLATE	4110-18	689
1	EA	FLOOR STOP	FS441	626
1	EA	DOOR SWEEP	200NA	CL
1	EA	THRESHOLD	613 MS/LA	AL
	ME I EF SET: 07	R SEALS BY DOOR MAN	UFACTURER	
HW S	SET: 07			620
HW S	SET: 07		8102HD-8 MOUNTED BACK TO BACK	630
HW S	SET: 07 EA		8102HD-8 MOUNTED BACK TO BACK	630
HW S 2 BALA	SET: 07 EA	DOOR PULL OF HARDWARE BY FRAM	8102HD-8 MOUNTED BACK TO BACK	630
HW S 2 BALA	EA NGE C	DOOR PULL OF HARDWARE BY FRAM	8102HD-8 MOUNTED BACK TO BACK	
HW S 2 BALA HW S	EA NCE C	DOOR PULL OF HARDWARE BY FRAM	8102HD-8 MOUNTED BACK TO BACK ME MANUFACTURER	630 626 626
HW S BALA HW S	EA NCE C	DOOR PULL OF HARDWARE BY FRAM	8102HD-8 MOUNTED BACK TO BACK ME MANUFACTURER 7226	626 626
HW S BALA HW S 1 1	EA NCE COSET: 08	DOOR PULL OF HARDWARE BY FRAM PIVOT SET PIVOT	8102HD-8 MOUNTED BACK TO BACK ME MANUFACTURER 7226 7226 INT	626

5BB1 4.5 X 4.5

AL40S SAT

WS401CCV

SR65

HW SET: 09

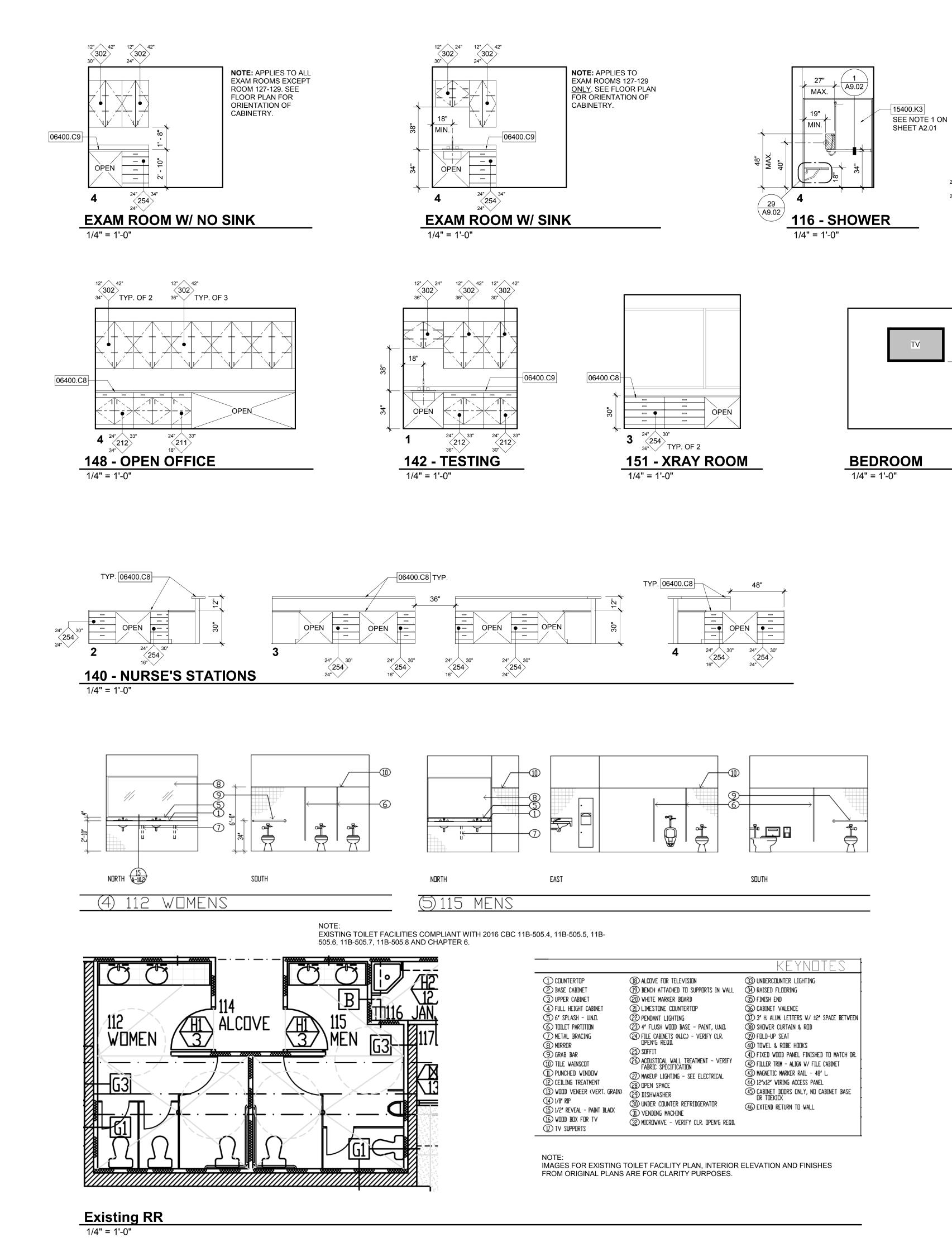
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW8	652
1	EA	EU STOREROOM LOCK	L9092PEU-RX 06A	626
1	EA	DOOR POSITION SWITCH	679-05 HM	

	OSED AND LOCKED. DOOR UNLOCKED BY VALID CARD READER OR
	NLOCK. FREE EGRESS AT ALL TIMES. FOR NEW ELECTRIC LOCK.
BALANCE OF EXISTING	S HARDWARE TO REMAIN

_							
ISSUED FOR	OWNER CD & GA SUBMITTAL	BIDDING					
DATE	08/15/19	08/23/19					
Proje	ect N	0. :	05-	1-1	950)4	

OOR & WINDOW

SCHEDULES



INTERIOR ELEVATIONS GRAPHIC SCALE

KEYNOTES

DESCRIPTION

15400.H5 15400.K3

— TO TOILET
PAPER OUTLET

NOTE: APPLIES TO RESTROOMS 108, 115, 122, & 157.

SEE FLOOR PLAN FOR ORIENTATION OF FIXTURES AND

10800.A7

10800.B6

15400.G9

-06400.C8

24" 30"

121 - CHECKOUT

NOTE: APPLIES TO ALL SLEEP ROOMS. (ROOMS 111-113, 117, & 118). SEE FLOOR PLAN FOR

ORIENTATION OF TELEVISION

1/4" = 1'-0"

10800.A4

10800.D4

10800.B2

ACCESSORIES.

UNISEX RESTROOM

1/4" = 1'-0"

ROLL-IN SHOWER

06400.C8 LAMINATE PLASTIC COUNTERTOP, REFER TO FINISH SCHEDULE

06400.C9 LAMINATE PLASTIC COUNTERTOP w/ SPLASH, REFER TO FINISH SCHEDULE

10800.A4 10800.A7 TOILET SEAT COVER DISPENSER SURFACE MOUNTED SOAP DISPENSER 10800.B2 GRAB BAR 48"L

10800.B6 STAINLESS STEEL MIRROR 10800.D4 SURFACE MOUNTED TOILET PAPER DISPENSER 15400.G9 LAVATORY, REFER TO PLUMBING PLANS

Klassen TOILET, REFER TO PLUMBING PLANS

corporation Architecture Construction 2021 Westwind Drive Bakersfield, CA 93301 (661) 324-3000 (661) 324-3900 Fax www.klassencorp.com

GENERAL NOTES

1. ALL CABINETS & DRAWERS TO BE LOCKABLE



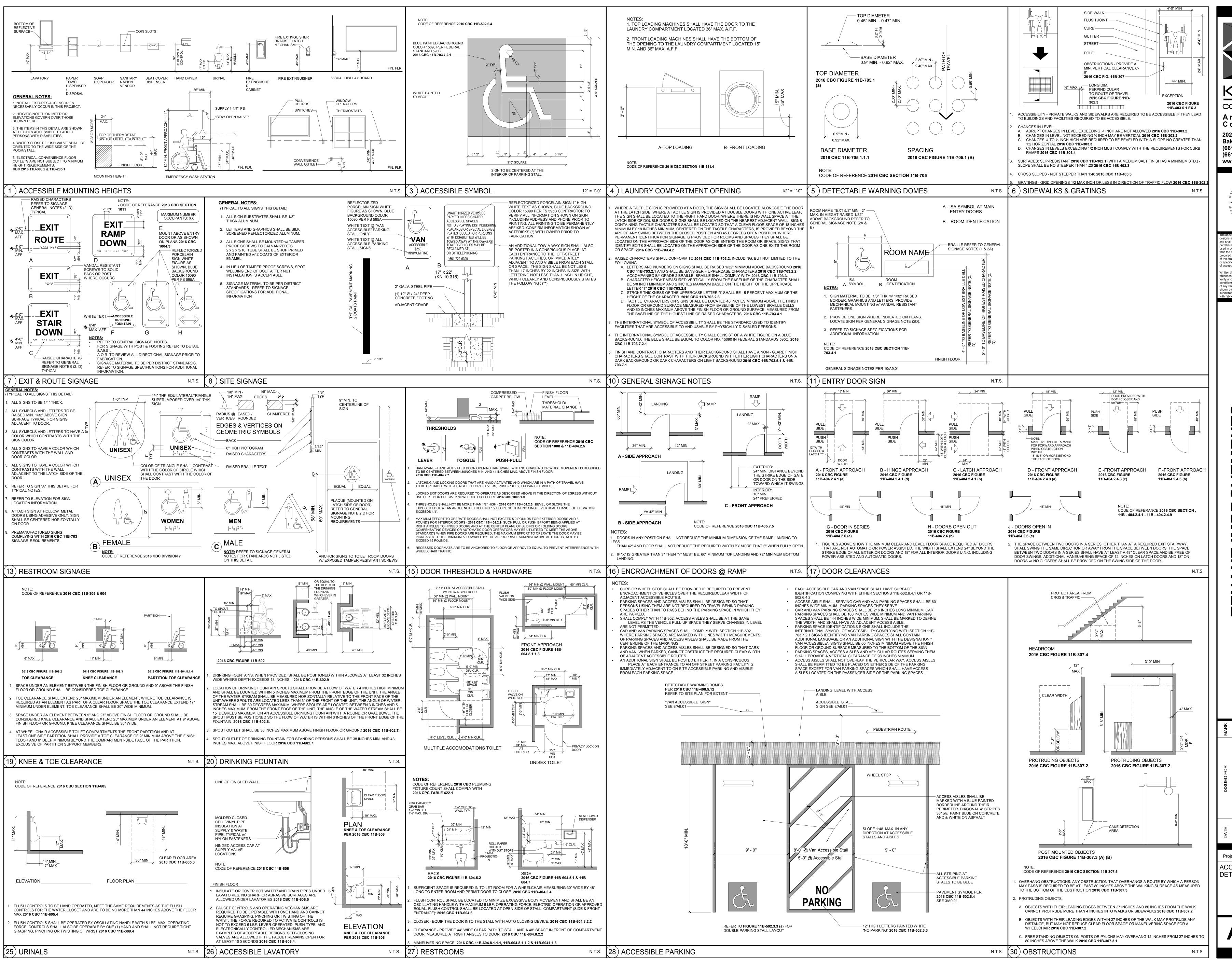
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SIGNAGE LEGEND

- S1 BUILDING ENTRY ACCESSIBILITY (SIGN PER DETAIL 11/A9.01)
- S2 EXIT (SIGN PER DETAIL 7/A9.01)
- S3 EXIT ROUTE (SIGN PER DETAIL 7/A9.01)
- S4 UNISEX TOILET ROOM (SIGN PER DETAIL 13/A9.01) S5 EXISTING MEN'S TOILET RM. SIGN COMPLIANT w/ 13/A9.01)
- S6 EXISTING WOMEN'S TOILET RM. SIGN COMPLIANT w/ 13/A9.01)
- S7 ROOM NAME SIGN (SIGN PER DETAIL 11/A9.01)

Project No.: 05-1-19504 INTERIOR ELEVATIONS

A8.01



Elassen

Corporation

Architecture
Construction

2021 Westwind Drive
Bakersfield, CA 93301
(661) 324-3900 Fax
www.klassencorp.com

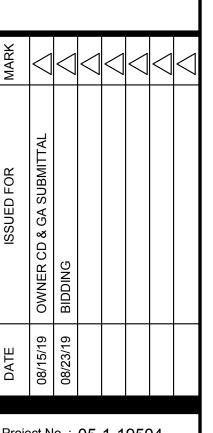


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SAN JOAQUIN VALLEY PULMONARY
5801 TRUXTUN AVE, BAKERSFIELD CA 933309

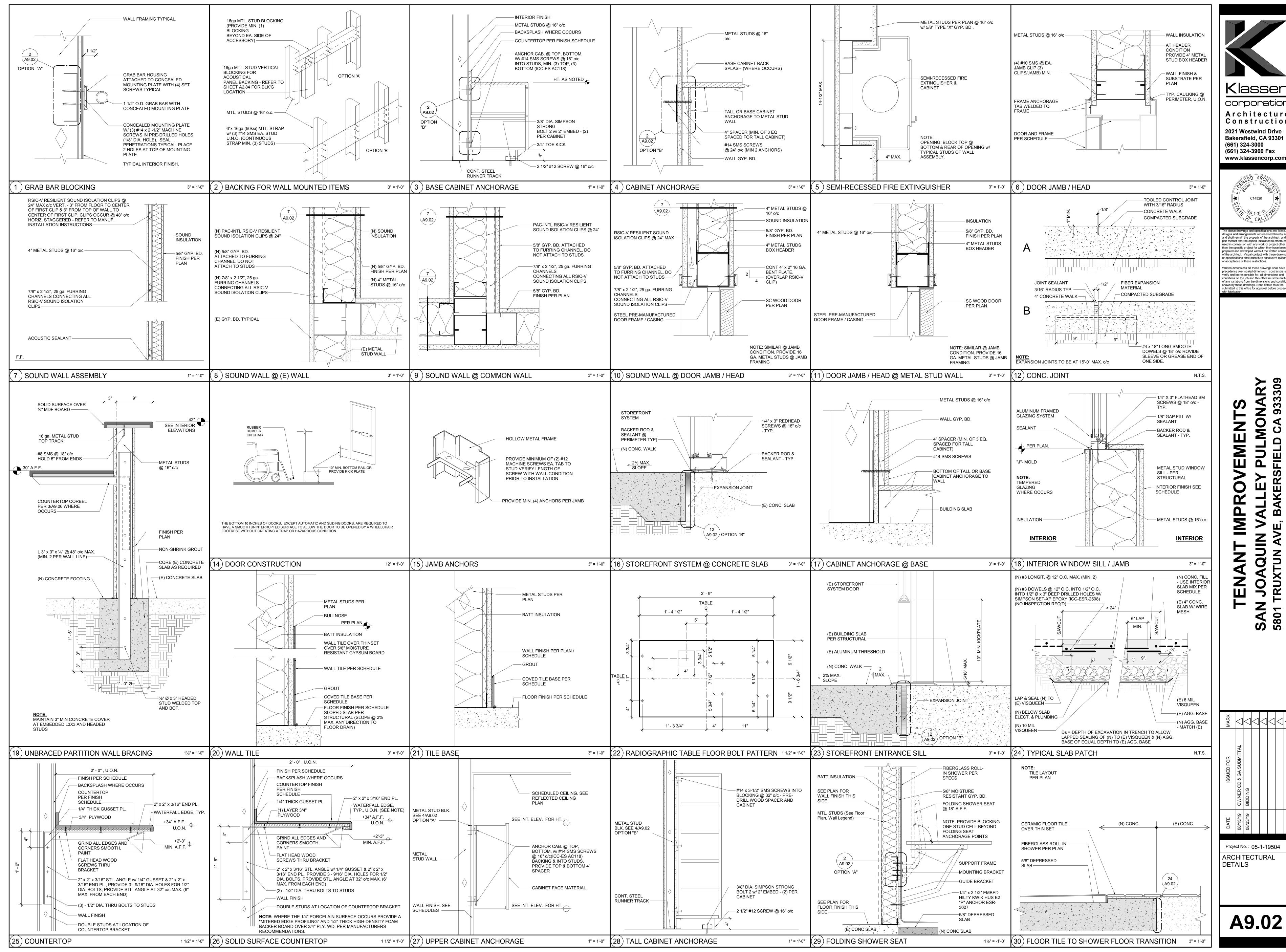


Project No.: 05-1-19504

ACCESSIBILITY

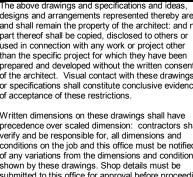
DETAILS

A9.01

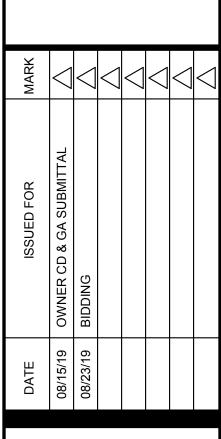


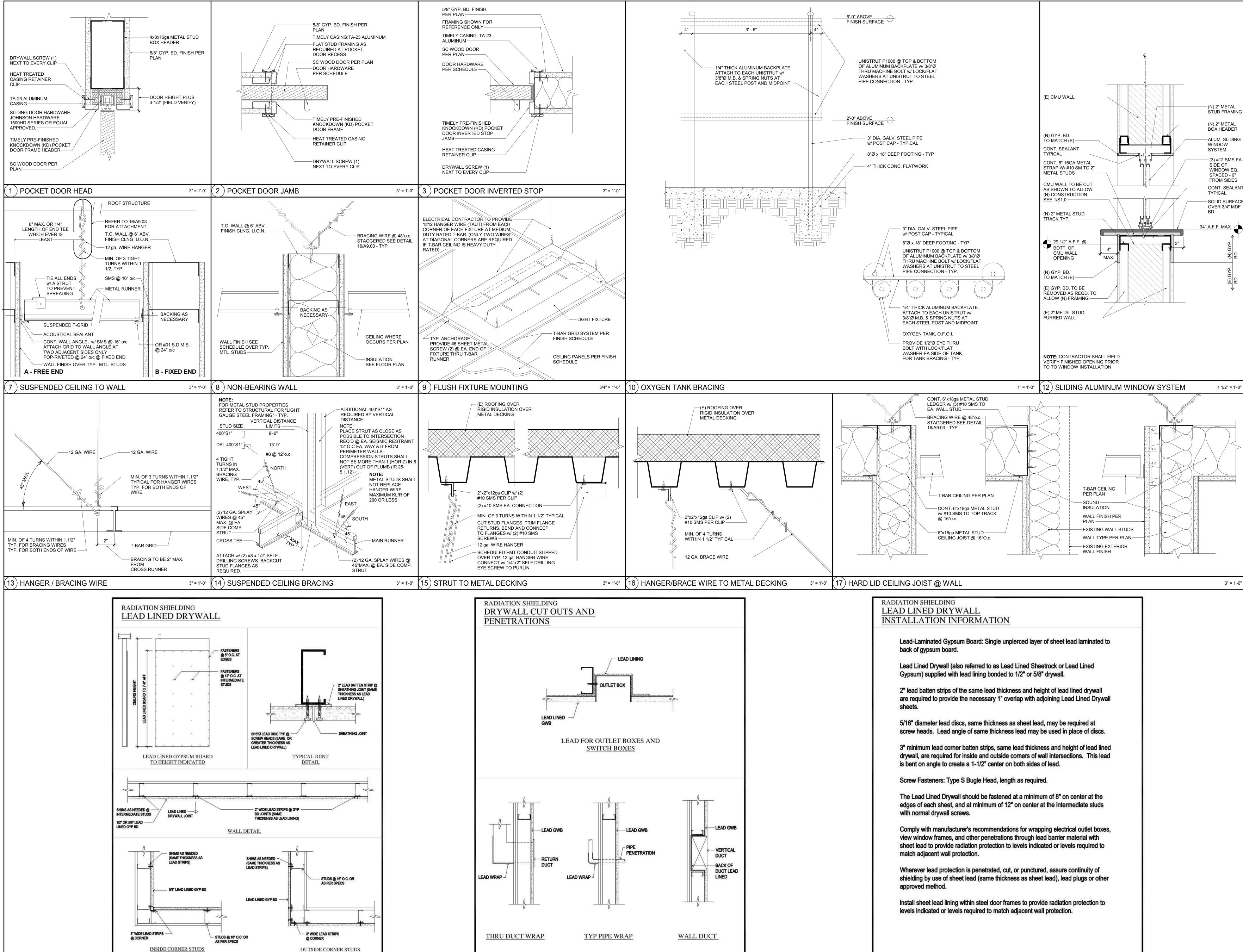












Corporation
Architecture
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(661) 324-3000
(661) 324-3900 Fax



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I ENAN I IMPROVEMENTS

I JOAQUIN VALLEY PULMONARY
TRUXTUN AVE, BAKERSFIELD CA 933309

Project No.: 05-1-19504

ARCHITECTURAL
DETAILS

A9.03

EXPANSION ANCHORS EXPANSION ANCHORS IN CONCRETE SHALL BE SIMPSON STRONG-BOLT 2 AND IN MASONRY SHALL BE SIMPSON WEDGE-ALL, OR AN APPROVED EQUAL, AND SHALL BE INSTALLED PER THE MANUFACTURER'S

MECHANICAL SCREW ANCHORS

MECHANICAL SCREW ANCHORS SHALL BE SIMPSON TITEN HD ANCHORS OR APPROVED EQUAL, AND SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND ICC-ES ESR-2713 FOR CONCRETE AND ESR-1056 FOR

REQUIREMENTS AND ICC-ES ESR-3037 AND ESR-1396 RESPECTIVELY.

STRUCTURAL STEEL AND MISCELLANEOUS IRON

STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, EXCEPT THAT ALL WIDE FLANGE SECTIONS SHALL BE ASTM A992. ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL RECEIVE A SHOP PRIME COAT, EXCEPT ON SURFACES TO RECEIVE WELDS AND AT SLIP-CRITICAL TYPE HIGH STRENGTH BOLTED CONNECTIONS, WHICH SHALL BE TOUCHED UP AFTER CONNECTION IS COMPLETE. STRUCTURAL STEEL AND MISCELLANEOUS IRON THAT IS TO HAVE SPRAY-ON FIREPROOFING SHALL NOT BE PAINTED. ALL EXPOSED STRUCTURAL STEEL SHALL BE PER AISC AESS SPECIFICATIONS, SECTION 10 OF CODE OF STANDARD PRACTICE. ALL MOMENT FRAMES AND BRACED FRAMES SHALL BE PER AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS.

LIGHT GAUGE METAL FRAMING LIGHT GAUGE METAL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA), CBC SECTION 2211, AND ICC-ES ESR-3064P. FRAMING AND CONNECTIONS NOT SPECIFICALLY DETAILED BY THE DRAWINGS, SUCH AS REQUIRED FOR CEILING FRAMING AND ARCHITECTURAL FEATURES, SHALL SATISFY THE REQUIREMENTS OF THE CBC, AND ARE BASED ON THE RECOMMENDATIONS OF THE

ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED TO PERFORM THE TYPE OF WORK REQUIRED AS DEFINED BY THE AWS "STANDARD QUALIFICATION PROCEDURE". ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS WELDING CODE. ARC WELDING ELECTRODES SHALL BE ETO SERIES. ALL ELECTRODES SHALL BE LOW HYDROGEN WITH A MINIMUM CVN VALUE OF 20 FT-LBS AT MINUS 20°F. THE ONLY EXCEPTIONS SHALL BE AS FOLLOWS: WELDING FOR METAL DECK, STAIR AND HANDRAIL, AND LIGHT GAUGE STEEL. WELD METAL TOUGHNESS SHALL BE REPORTED ON THE ELECTRODE MANUFACTURER'S CERTIFICATE OF COMPLIANCE. THE FILLER METAL MANUFACTURER'S PUBLISHED RECOMMENDATIONS SHALL BE THE BASIS FOR DETERMINING THE ALLOWABLE RANGE OF ESSENTIAL VARIABLES FOR THE PREQUALIFIED WELDING PROCEDURE SPECIFICATION (WPS). TACK WELDS, AIR-ARC GOUGING, AND FLAME CUTTING SHALL NOT BE PERFORMED WITHOUT ADEQUATE PREHEATING OR INCORPORATION INTO THE FINAL WELD. ALL WELDING AT MOMENT-FRAME AND BRACED-FRAME CONNECTIONS SHALL BE PERFORMED PER THE ADDITIONAL REQUIREMENTS OF AMS DI.8 SEISMIC SUPPLEMENT IN COMPLIANCE WITH AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS.

POWER ACTUATED FASTENERS SHALL BE HILTI FASTENERS, OR APPROVED EQUAL. FOR WOOD SILL PLATE TO CONCRETE APPLICATIONS, FASTENERS SHALL BE "X-CP 72" TYPE IN CONFORMANCE WITH ICC-ES ESR-2379. FOR ALL OTHER APPLICATIONS, FASTENERS SHALL BE "X-U P8536" TYPE IN CONFORMANCE WITH ICC-ES ESR-2269.

REQUESTS FOR SUBSTITUTION THE CONTRACTOR MAY SUBMIT A REQUEST FOR SUBSTITUTION (RFS) FOR SPECIFIED STRUCTURAL MATERIALS OR PRODUCTS FOR REVIEW BY THE ENGINEER. ANY SUCH RFS SHALL DOCUMENT THE ITEM(S) UNDER CONSIDERATION, THE EFFECTS OF SUBSTITUTION ON COST, PERFORMANCE AND SCHEDULE, AND SHALL INCLUDE RESPECTIVE APPROVAL(S) BY ICC OR RELATED AGENCIES. ALL COSTS INCURRED BY THE ENGINEER AS PART OF ANY RFS SUBMITTAL, SUCH FOR ADDITIONAL RESEARCH, REVIEW OR REDESIGN OF STRUCTURAL ELEMENTS OR SYSTEMS, SHALL BE DIRECTLY REIMBURSED BY THE CONTRACTOR.

EXISTING CONDITIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIAL, THE CONTRACTOR SHALL FIELD VERIFY ALL CONTROLLING FIELD DIMENSIONS AND CONDITIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEER. IN ADDITION, THE CONTRACTOR IS ALERTED TO THE POSSIBILITY THAT EXISTING STRUCTURAL MATERIALS UNSUITABLE FOR REUSE DUE TO DETERIORATION MAY BE DISCOVERED DURING THE COURSE OF CONSTRUCTION. THESE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL OF PROPOSED REPLACEMENT MATERIALS.

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

<u>GENERAL</u>

THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK, AND FOR ANY ADDITIONAL REQUIREMENTS OF THE BUILDING OFFICIAL WHERE APPLICABLE:

EXPANSION ANCHORS

PROVIDE PERIODIC INSPECTION DURING THE TESTING OF EXPANSION ANCHORS. ALL TESTS SHALL BE IN ACCORDANCE WITH CBC CHAPTER 17, AND RESPECTIVE ICC-ES REPORT(S). THE CONTRACTOR MUST SUBMIT A TEST REPORT TO THE ENGINEER AND THE LOCAL BUILDING DEPARTMENT.

MECHANICAL SCREW ANCHORS

PROVIDE PERIODIC INSPECTION DURING THE TESTING OF MECHANICAL SCREW ANCHORS. ALL TESTS SHALL BE IN ACCORDANCE WITH CBC CHAPTER 17, AND RESPECTIVE ICC-ES REPORT(S). THE CONTRACTOR MUST SUBMIT A TEST REPORT TO THE ENGINEER AND THE LOCAL BUILDING DEPARTMENT.

STRUCTURAL STEEL AND MISCELLANEOUS IRON

PROVIDE INSPECTION DURING THE FABRICATION AND ERECTION OF STRUCTURAL STEEL IN CONFORMANCE WITH CBC SECTIONS 1705.2, 1705.14 FOR SPRAYED FIRE-RESISTANT MATERIALS WHERE THEY OCCUR, AND 1705.12.1 WHERE PART OF THE SEISMIC FORCE-RESISTING SYSTEM(S) IN CONJUNCTION WITH AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS.

PROVIDE INSPECTION DURING THE WELDING OF STRUCTURAL STEEL IN CONFORMANCE WITH CBC SECTION 1705.2 AND 1705.12.1 WHERE PART OF THE SEISMIC FORCE-RESISTING SYSTEM(S). WELDING OF STEEL MOMENT-FRAMES AND BRACED-FRAMES SHALL BE INSPECTED PER AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, IN CONJUNCTION WITH AWS DI.8 "SEISMIC WELDING SUPPLEMENT" AND AWS DI.I "STRUCTURAL WELDING CODE - STEEL."

SPECIAL INSPECTOR THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL

DEMONSTRATE HIS OR HER COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR OF RECORD MUST BE CERTIFIED BY INTERNATIONAL ACCREDITATION SERVICE (IAS), AND SHALL FURNISH A SPECIAL INSPECTION PROPOSAL OR STATEMENT OF SPECIAL INSPECTIONS BASED UPON THE APPLICABLE DESIGN DRAWINGS, SPECIFICATIONS, AND SPECIAL INSPECTION REQUIREMENTS DESCRIBED HEREIN IN CONFORMANCE WITH CBC CHAPTER 17.

DUTIES AND RESPONSIBILITES OF THE SPECIAL INSPECTOR

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPLICABLE DESIGN DRAWINGS, SPECIFICATIONS AND SPECIAL INSPECTION PROGRAM AS DEFINED BY CBC SECTION 1704, AS WELL AS SECTION 1705.11 FOR WIND RESISTANCE AND 1705.12 FOR SEISMIC RESISTANCE. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE, THE ARCHITECT OR PROJECT MANAGER, THE ENGINEER, THE CONTRACTOR, AND OTHER PERSONS DESIGNATED BY THE OWNER OR OWNER'S REPRESENTATIVE. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CBC AS REQUIRED BY CBC SECTION 1704.2.4.

DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR CONTRACTOR SHALL REVIEW AND COMPLY WITH CONTRACTOR RESPONSIBILITIES FOR SPECIAL INSPECTION AS DEFINED BY CBC SECTION PLANS AND CALCULATIONS FOR THE STRUCTURAL DESIGN WERE BASED UPON:
- 2016 CALIFORNIA BUILDING CODE & CALIFORNIA EXISTING BUILDING CODE ASCE STANDARD 7-10 RECORD STRUCTURAL DRAWINGS BY WARREN A. MINER & ASSOCIATES,

2. DESIGN DATA IS AS FOLLOWS: <u>VERTICAL</u>

> ROOF LIVE LOAD ROOF DEAD LOAD PSF (ASSUMED) CMU WALL DEAD LOAD

PROJECT 347.0100, DATED MARCH 17, 2000

LATERAL
SEISMIC BASE SHEAR COEFFICIENT V = Cs W,

PROJECT DATA

 $C_{\rm S} = (S_{\rm obs})/(R/I) = 0.16$ SEISMIC DESIGN CATEGORY = D I = 1.0 (OCCUPANCY IMPORTANCE FACTOR) R = 5.0 (SPECIAL REINFORCED MASONRY SHEARWALLS) $S_1 = 0.43$, $F_2 = 1.57$, $S_{dl} = 0.45$ $S_a = 1.14$, $F_a = 1.04$, $S_{ds} = 0.80$

SOIL SITE CLASS "D" WIND PRESSURE: ASCE 7-10, ENVELOPE PROCEDURE (PART 2)

 $P_s = \lambda K_{zt} P_{sso}$ $\lambda = 1.29$ (EXPOSURE CATEGORY C) $K_{zt} = 1.0$

> P530 = VARIES PER STRUCTURE LOCATION/ELEMENT V = 110 MPH FOR RISK CATEGORY II BUILDINGS AND OTHER STRUCTURES

FOUNDATIONS (ASSUMED MINIMUM PER CBC TABLE 1806.2) 1,500 PSF (DEAD + LIVE LOADING) 2,000 PSF (DEAD + LIVE + SEISMIC/WIND LOADING) BEARING PRESSURES FRICTION COEFFICIENT 150 PCF EQUIVALENT PASSIVE PRESSURE

ANCHOR BOLT

ADJUSTABLE

ENGR ENGINEER PLY(MD) PLYMOOD ABV ABOVE ADD'L ADDITIONAL EQ EQUAL PSF POUNDS PER EQUIPMENT AMERICAN EQUIP SQUARE FOOT CONCRETE EXIST (E) EXISTING POUNDS PER **EXPANSION** SQUARE INCH PRESS PRESSURE ARCHITECTURALLY FINISH FIELD NAILING EXPOSED STRUCTURAL PT PRESSURE FΝ TREATED FLOOR AISC FOOTING RADIUS AMERICAN REINF REINFORCING INSTITUTE OF FOUNDATION FRMG REQ'D REQUIRED STEEL CONSTR. FRAMING AMERICAN SOCIETY FAR SIDE ROOM SCHED SCHEDULE FOR TESTING GAUGE # MATERIALS GALV GALVANIZED SHTG SHEATHING GLB GLULAM BEAM SHEET ARCH'L ARCHITECT(URAL) SIM GRD GRADE SIMILAR HOLDOWN/HOT-DIPPED BOARD SLRS SEISMIC LOAD BLOCK HANGER RESISTING HDR HEADER BLKG BLOCKING SYSTEM BOTTOM HEIGHT SPECIAL MOMENT HIGH STRENGTH BLDG BUILDING BOUNDARY NAILING HORIZ HORIZONTAL SPEC SPECIFICATION CBC CALIFORNIA BUILDING | IN INCH SELECT STRUCTURAL STEEL STUD INSIDE DIAMETER INTERIOR CEILING MANUFACTURER'S JST JOIST CLEAR ASSOCIATION LAMINATED COLUMN COL STGR STAGGER(ED) LT MT LIGHT WEIGHT CMU CONCRETE STD STANDARD MASONRY MAS MASONRY MAXIMUM MAX STIFF STIFFENER MACHINE BOLT CONSTRUCTION STRUCT STRUCTURAL MBM METAL BUILDING SQ SQUARE MANUFACTURER COMPLETE JOINT SYM SYMMETRICAL METAL PENETRATION THK THICK MINIMUM CONCRETE TOS TOP OF SLAB/STEEL NEM CONN CONNECTION TOP OF UNLESS TO UNO NTS NOT TO SCALE CONST CONSTRUCTION NO OR # NUMBER CONT CONTINUOUS NEAR SIDE COUNTERSINK OTHERWISE DEMOLISH/DEMOLITION OC ON CENTER VERT DEMO VERTICAL OPNG OPENING DET DETAIL MT MEIGHT OPPOSITE DIAG DIAGONAL MMF WELDED WIRE OUTSIDE DIAMETER DIA (4) DIAMETER FABRIC OPEN-WEB STEEL JOIST DIMENSION MMM WELDED WIRE PAF POWER ACTUATED DOUBLE FASTENER DRAWING MF WIDE FLANGE DMG PLATE EACH M/ MITH PENNY(d) NAILS SIZE EDGE FASTENING

EDGE NAILING

ELEVATION

ELEV

PJP PARTIAL JOINT

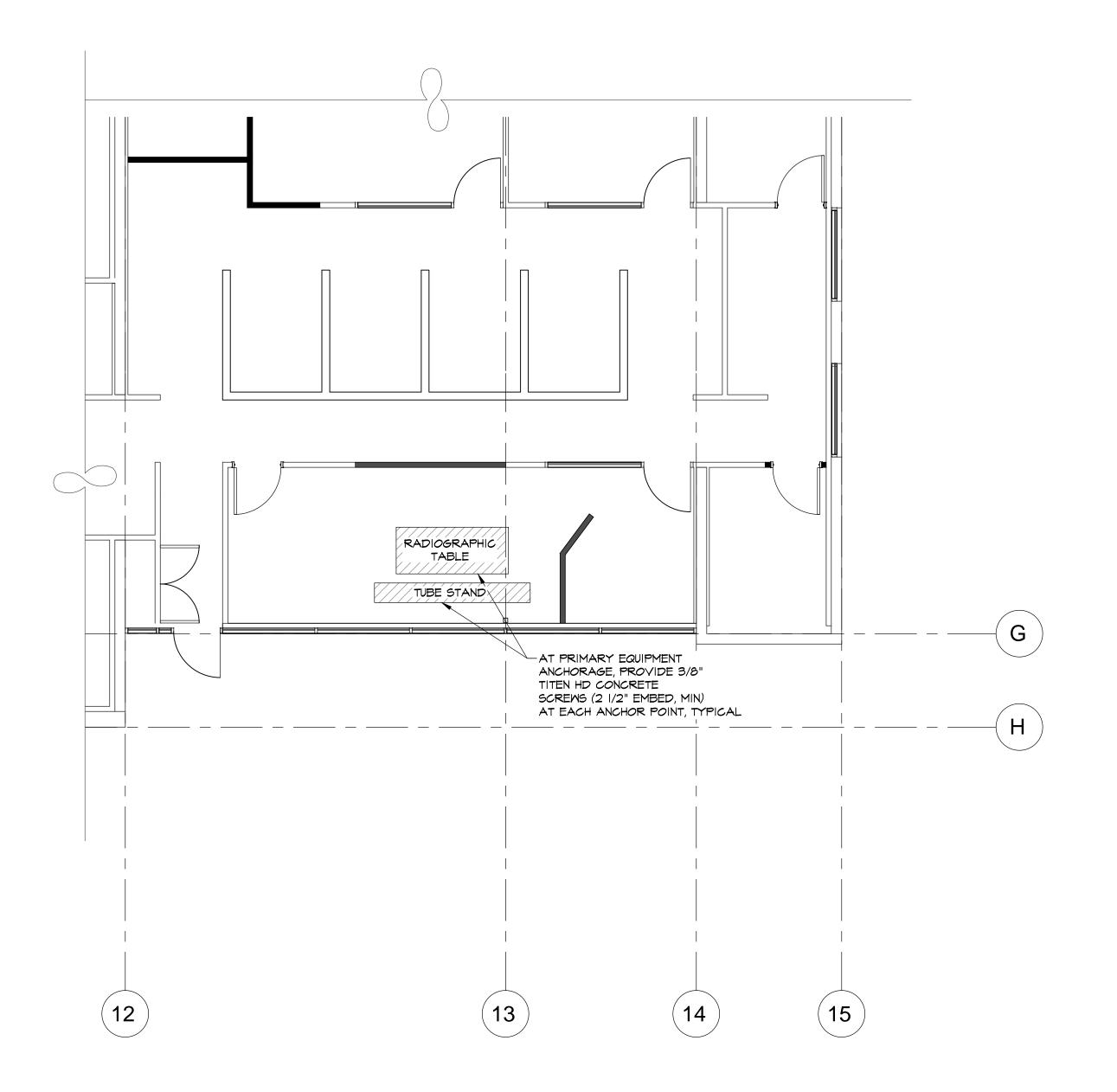
PENETRATION

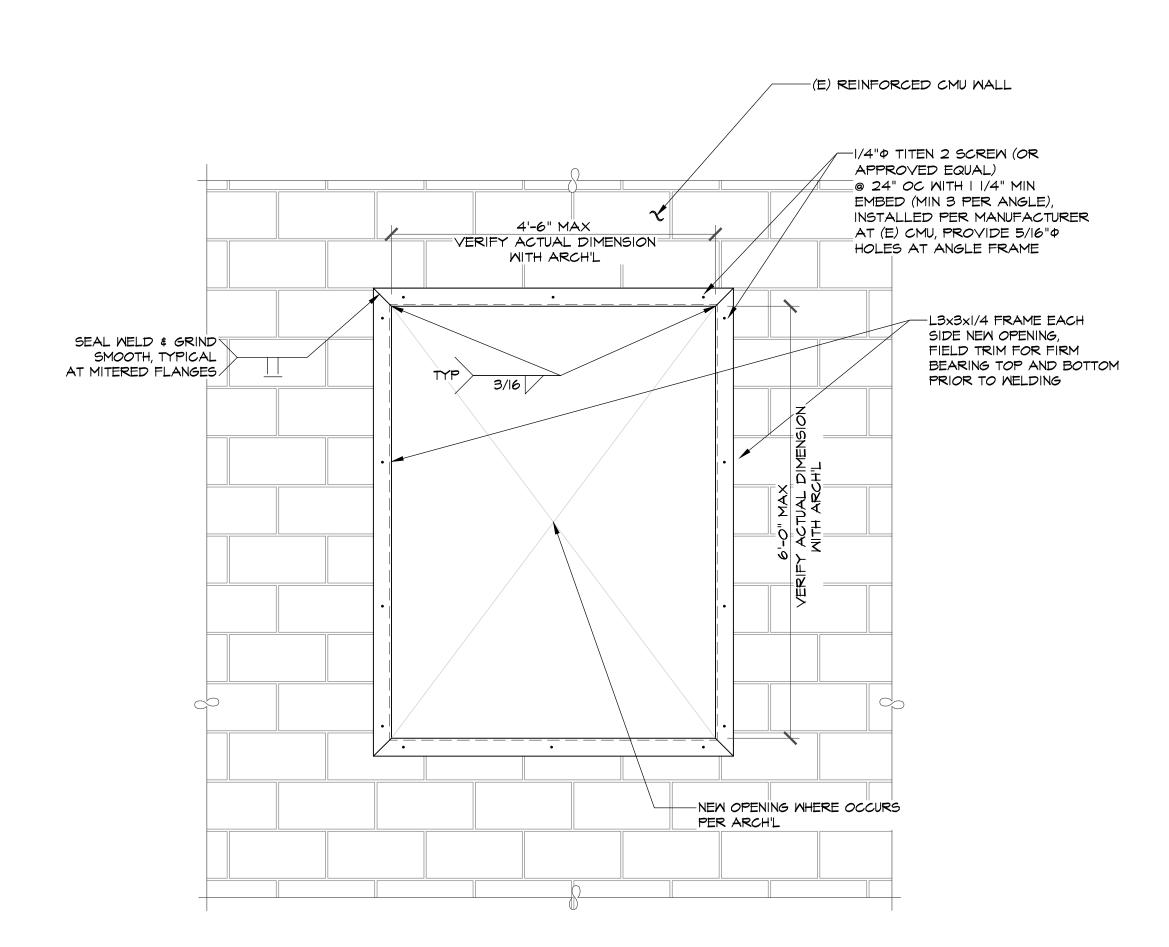
ABBREVIATIONS

STRUCTURAL SPECIFICATIONS

SPECIAL INSPECTIONS

(E) 8" CMU TO REMAIN EXCEPT WHERE NOTED-S1.0





NEW WINDOW OPENING AT (E) CMU WALL

Project No.: 19KLC-09 STRUCTURAL SPECIFICATIONS, PARTIAL LAYOUT PLANS & DETAIL







Klassen

corporation

Architecture

Construction

2021 Westwind Drive

(661) 324-3900 Fax

(661) 324-3000

Bakersfield, CA 93301

www.klassencorp.com

C14520

and shall remain the property of the architect; and no

used in connection with any work or project other

prepared and developed without the written consent

of the architect. Visual contact with these drawings

or specifications shall constitute conclusive evidence

Written dimensions on these drawings shall have

verify and be responsible for, all dimensions and

of any variations from the dimensions and condit

shown by these drawings. Shop details must be

precedence over scaled dimension: contractors shall

conditions on the job and this office must be notified

submitted to this office for approval before proceeding

UMBING ABBREVIATIONS
CAMP 1

Corporation
Architecture
Construction

2021 Westwind Drive
Bakersfield, CA 93301
(661) 324-3000
(661) 324-3900 Fax
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The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

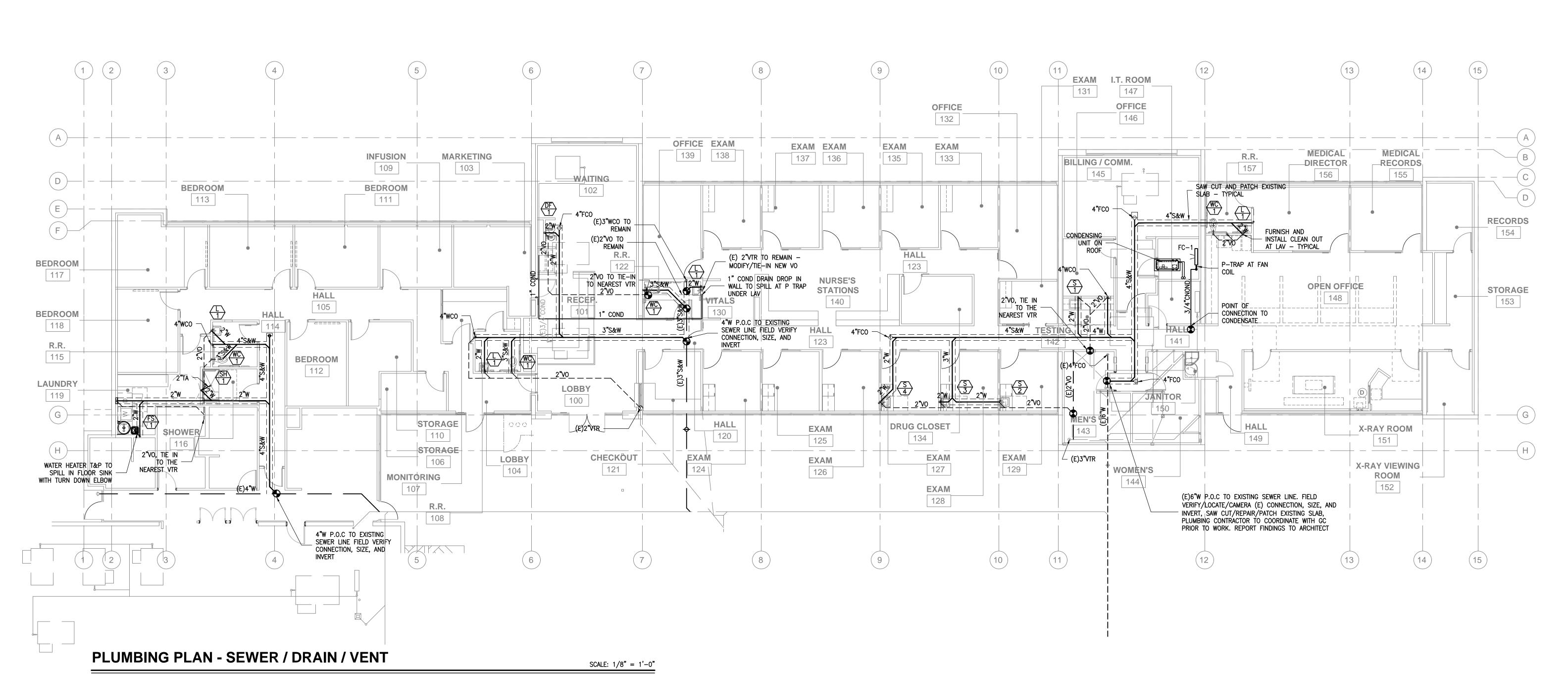
Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

TENANT IMPROVEMENTS
SAN JOAQUIN VALLEY PULMONAR)
5801 TRUXTUN AVE, BAKERSFIELD CA 93330

Project No. : C19-148

PLUMBING GENERAL
NOTES

P1.0



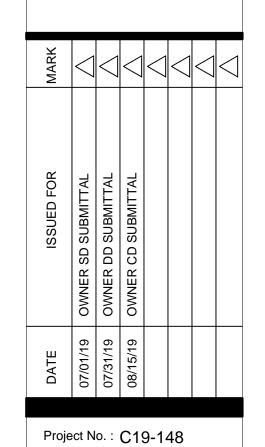




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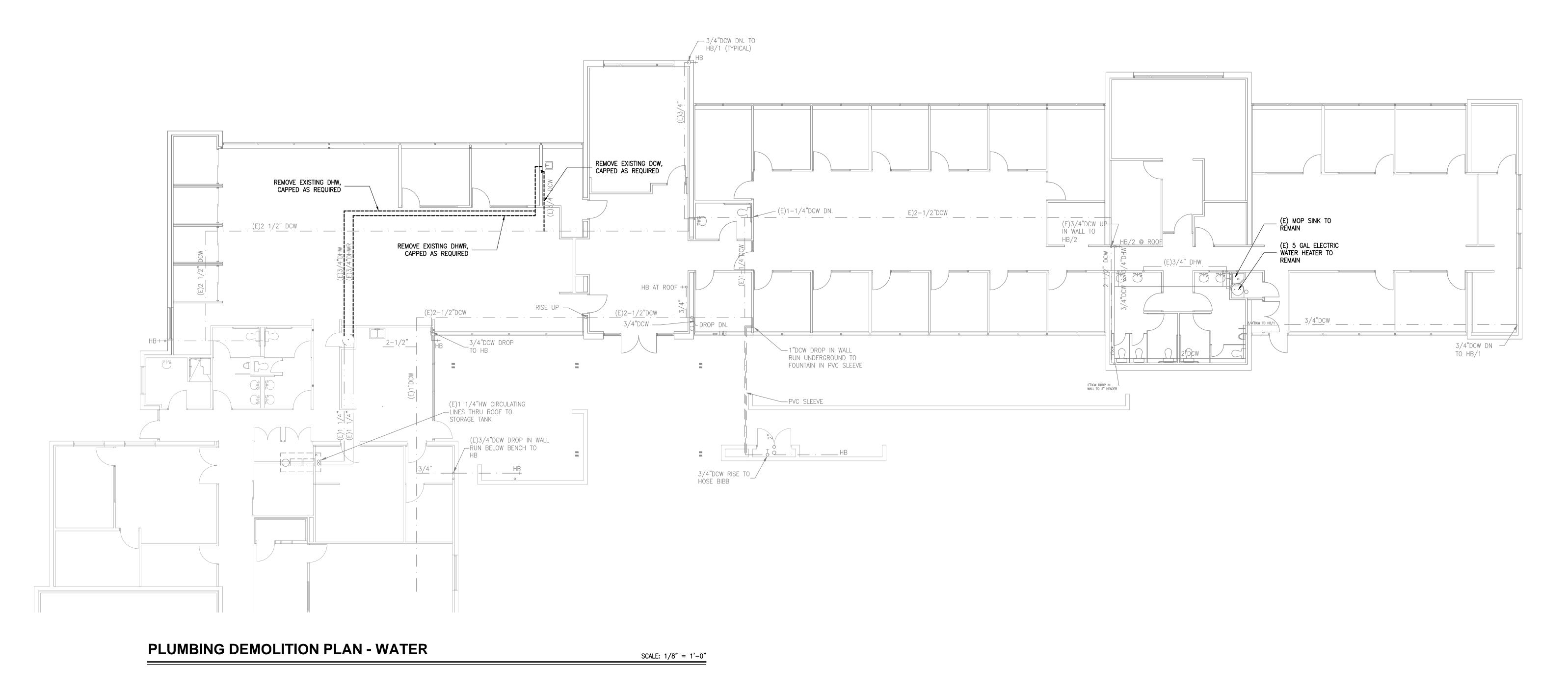
Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding

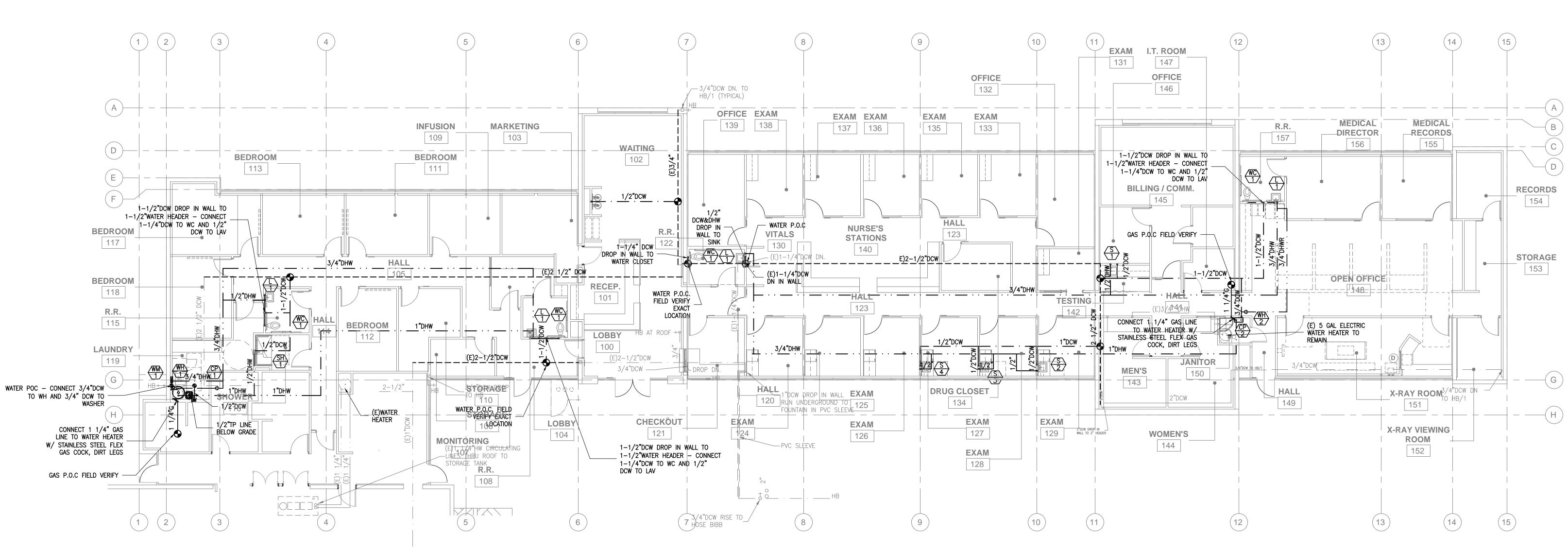
SAN JOAQUIN VALLEY PULMONARY
5801 TRUXTUN AVE, BAKERSFIELD CA 933309



PLUMBING PLANS

P2.0

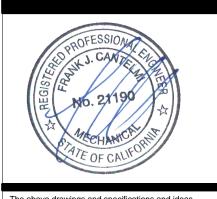




PLUMBING PLAN - DCW / DHW

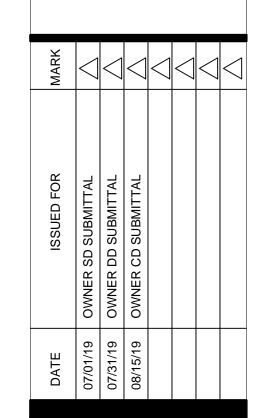
SCALE: 1/8" = 1'-0"





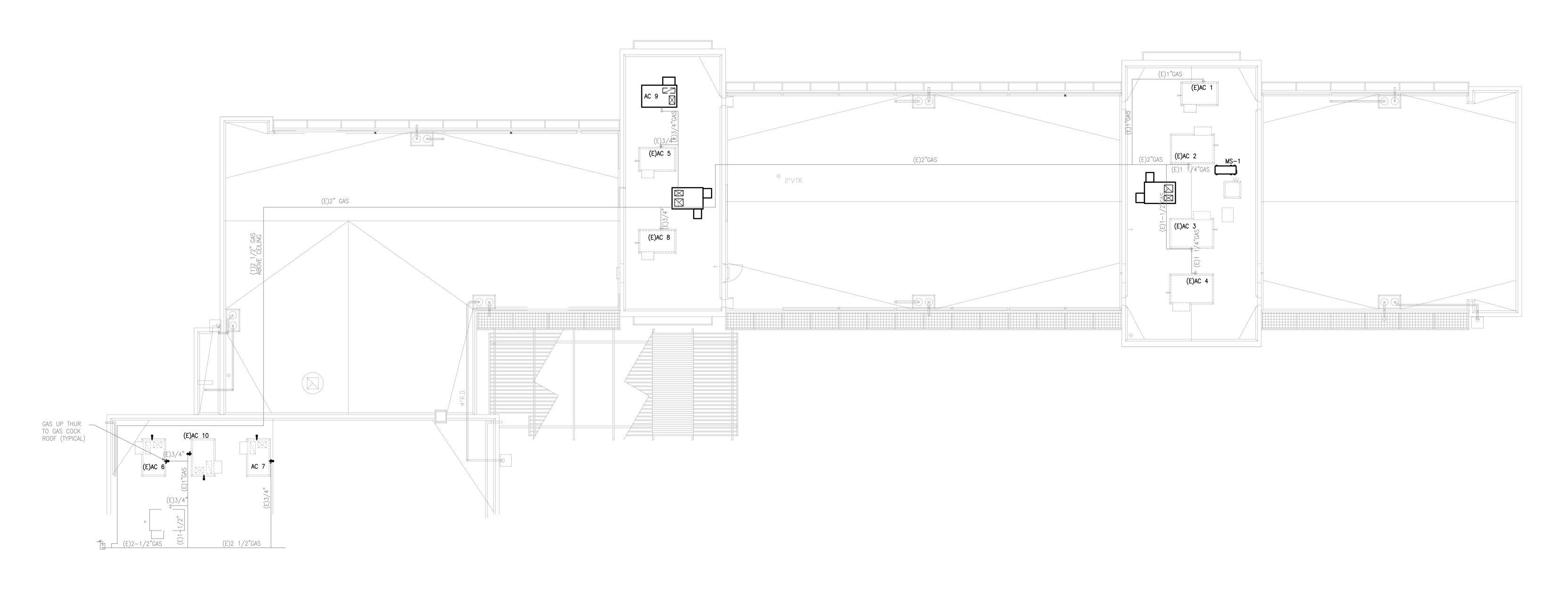
The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified shown by these drawings. Shop details must be submitted to this office for approval before proceeding

SA 580



Project No.: C19-148 PLUMBING PLANS

P3.0



PLUMBING ROOF PLAN

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

FIXTURE	NO.	FIX. UNIT.	TOTAL COLD	TOTAL	HOT
WATER CLOSET FV (1.28GPF)	11.0	-	175.0	-	
URINAL (0.5 GPF)	2.0	-	35.0	-	
HOSE BIBB	0.0	2.5	0.0	-	
HOSE BIBB (ADDITIONAL)	0.0	1.0	0.0	-	
LAWN SPRINKLERS	0.0	1.0	0.0	-	
WASHFOUNTAIN(CIRCULAR SPRAY)(20GPM)	0.0	4.0	0.0		0.0
TUB/SHOWER	0.0	4.0	0.0		0.0
SHOWER, PER HEAD (2.0GPM)	2.0	2.0	4.0		3.0
CLOTHES WASHER	1.0	4.0	4.0		3.0
SERVICE SINK OR MOP BASIN (2.2GPM)	1.0	3.0	3.0		2.3
CLINC FAUCET	0.0	3.0	0.0		0.0
WATER CLOSET GT (1.28GPF)	6.0	2.5	15.0		0.0
DENTAL UNIT, CUSPIDOR	0.0	1.0	0.0	***************************************	0.0
DISHWASHER, DOMESTIC	0.0	1.5	0.0		0.0
WASHUP SINK, EACH SET OF FAUCETS	0.0	2.0	0.0		0.0
BAR SINK (1.5GPM)	0.0	2.0	0.0		0.0
KITCHEN SINK (1.8GPM)	3.0	1.5	4.5	·····	3.4
LAUNDRY (2.2GPM)	0.0	1.5	0.0		0.0
LAVATORY (.20GPM PER CYCLE)	13.0	1.0	13.0		9.8
DRINKING FOUNTAIN OR WATERCOOLER	1.0	0.5	0.5		0.0
TOTAL FIXTURE UNIT	S		254.0	2	21.4
TOTAL GPM CPC CHARTS A 103.1(1) & 103.1(2 MAIN LINE SIZE	2)			,	98.2 3"
WATER METER SIZE					
TOTAL ENVELODED LENGTH (FROM METER	TO MOST F	PEMOTE FIX	TURE IN ET \	200	0.00
TOTAL LIVELODED LENGTH (FROM METER	TO IVIOUT 1	CLIVIO IL I IX	TORL INTT.)		J.00
	E LOSS IN				
TOTAL RISE FOR HEAD LOSS		.43 X	10.00'		4.3
PSI REQUIRED FOR WATER CLOSET/URINAL					15.0
PSI FLOW LOSS THROUGH WATER METER C	PC CHART	A 102.2			5.5
PSI FLOW LOSS THROUGH BACKFLOW PREV	/ENTOR				12.0
TOTAL PRESSURE LOS	S IN SYST	EM		;	36.8
MINIMUM PSI AVAILABLE @ JOB SITE (PLUMI				***************************************	60.0
REMAINING PSI AVAILABLE (IF NEGITIVE USE					23.2
PSI DROP PER 100'-0" AVAILABLE				,	11.6
CALIFORNIA PLUMBING CODE SECTION 610.1	12				
DOMSTIC COLD WATER MAX. (8) FOOT PER S	SECOND				
DOMSTIC HOT WATER MAX. (5) FOOT PER SE					

1.0 74,000 1.0 125,000 1.0 125,000 1.0 125,000 1.0 74,000 1.0 74,000 1.0 74,000 1.0 74,000 1.0 74,000 1.0 10 10 10 10 10 10 10 10 10 10 10 10 10	LOW PRESSURE - CPC 1	ABLE 1216.2(1)	
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1.0 32,800 1.0 74,000 1.0 199,000 1.0 199,000 1.0 120,000 120,000 120,000 1,669,800 1,669.8 1,669.8 1,669.8	C/7	1.0	74,000
1.0 74,000 1.0 199,000 1.0 199,000 1.0 120,000 180,000 120,000 1,669,800 1,669.8 1,669.8 1,669.8 1,669.8	C/8	1.0	74,000
1.0 199,000 1.0 199,000 1.0 120,000 180,000 120,000 120,000 120,000 1,669,800 1,669.80 1,669.8	C/9	1.0	32,800
1.0 199,000 120,000 180,000 120,000 1,669,800 1,669.80 1,669.80 1,669.80	C/10	1.0	74,000
120,000 180,000 120,000 1,669,800 (CF) 1,669.8 12-3 3	/H.1	1.0	199,000
1,669,800 1,669,800 (CF) 1,669.8 12-3 3	/H.2	1.0	199,000
1,669,800 CF) 1,669.8 12-3 3'	ATER HEATER 1		120,000
1,669,800 (CF) 1,669.8 12-3 3'	ATER HEATER 2		180,000
(CF) 1,669.8 12-3 3'	XISTING WATER HEATER		120,000
(CF) 1,669.8 12-3 3'	OTAL BTU/HR INPUT		1 660 900
12-3 3'	OTAL CFH - BTUH/1000 (BTU/CF)		
	AIN LINE SIZE - CPC TABLE 12-3		
150.00	WATER COLUMN (SG.60)		3
150.00			150.00
	OTAL ENVELOPED LENGTH		

DRINKING FOUNTAIN OR WATERCOOLER	1.0	0.5	0.5
LAVATORY (.25GPM PER CYCLE)	3.0	1.0	3.0
(E)LAVATORY (.25GPM PER CYCLE)	10.0	1.0	10.0
KITCHEN SINK (1.8GPM)	1.0	1.5	1.5
(E)KITCHEN SINK (1.8GPM)	2.0	1.5	3.0
SERVICE SINK OR MOP BASIN	1.0	3.0	3.0
(E)URINAL (0.5 GPF)	2.0	2.0	4.0
(E)SHOWER	1.0	2.0	2.0
SHOWER	1.0	2.0	2.0
(E)WATER CLOSET FV (1.28GPF)	8.0	4.0	32.0
WATER CLOSET FV (1.28GPF)	3.0	4.0	12.
WATER CLOSET GT (1.28GPF)	6.0	3.0	18.0
FLOOR DRAIN (EMERGENCY)	2.0	0.0	0.0
FLOOR DRAIN	1.0	2.0	2.
CLOTHES WASHER	1.0	4.0	4.
			0.0
			0.0
TOTAL FIXTURE UNIT	rs		97.0
MAIN LINE SIZE PER CPC TABLE			4
BASED ON SLOPE OF 1/4" PER FOOT			
FV - FLUSH VALVE			

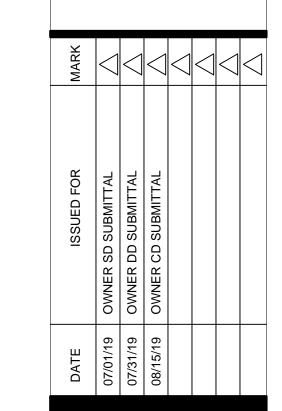
					Р	LU	MBING FIXTURE SCHEDULE
MARK	FIXTURE	DCW	DHW	S&W	TRAP	VENT	DESCRIPTION
₩C 1	ACCESSIBLE TOILET	1 1/4"	-	4"	INT.	2"	ZURN #Z5665-BWL ECOVANTAGE TOILET - FLOOR MOUNTED - ELONGATED BOWL - ADA 16.75"HT - 1.28 GPF - SIPHON JET ACTION - SLOAN #8111-1.28 BATTERY POWERED SENSOR OPARATED FLUSH VALVE - OLSONITE #95 OPEN FRONT SEAT LESS COVER (2) BOLT CAPS
	LAVATORY	1/2"	-	2"	1-1/4"	2"	AMERICAN STANDARD LUCERNE #0355.012 — WALL MTD — VITREOUS CHINA — CHICAGO FAUCET #3300—ABCP — .5 GPM, MIN. — LA PATTER P—TRAP W/ ACCESSIBLE INSULATION WRAP BY PLUMBEREX "HANDY SHIELD MAXX" #2003 — MEETS AST E84—07 TESTING STANDARD — CHICAGO SUPPLY & STOPS # 1017—ABCP — JR SMITH WALL CARRIER #0723 — VERIFY HOLE DRILLING FOR FAUCET — LAVATORY SHALL BE ADA COMPLIANT & MEET CALGREEN MAX4 GPM FLOW RATE (OR EQUAL)
(CP)	CIRCULATOR PUMP	-	-	-	_	-	BELL & GOSSETT #NBF-8S/LW CIRCULATOR PUMP - 8.5 GPM @ 8 FT HD - BRONZE CONSTRUCTION - 39 WATTS - 115v - 9 LBS - CONTROL WITH AQUASTAT
(FS)	FLOOR SINK	-	-	2"	2"	2"	PROFLO #PF906K - CAST IRON - DOME BOTTOM STRAINER - NO HUB OUTLET - 2" 'P' TRAP
(TP)	TRAP PRIMER	1/2"	-	-	-	-	PRECISION PLUMBING PRODUCTS #P2-500 TRAP PRIMER MOUNTED IN WALL BOX WITH HINGED COVER PRIMER LINE BELOW FLOOR TO FLOOR DRAIN (MAX. 4 FLOOR DRAINS PER TRAP PRIMER)
(WH)	TANK WATER HEATER	1-1/2"	1-1/2"	-	-	-	A.O SMITH #BTH-120 MXI GAS WATER HEATER - 60 GAL - 120,000 BTU/HR - 172 GPH AT 80°F RISE, (VERIFY SITE VOLTAGE PRIOR TO ORDERING) PRESSURE RELIEF VALVE, WEIGHT 460 LBS.
S 2,3/4	SINK	3/4"	3/4"	2"	1-1/2"	2"	JUST #SLN-ADA-1921-A-GR - 19"x21"x4" - SINGLE COMPARTMENT TYPE 304 STAINLESS STEEL SELF-RIMMING SINK - JUST #J-35 DRAIN - CHICAGO #350-317CP FAUCET
WM 1	WASHER BOX	3/4"	3/4"	2"	2"	2"	GUY GRAY WASHING MACHINE HOOKUP w/ 1/4 TURN ANGLE STOP, WATER HAMMER ARRESTOR, DRAIN INLET w/P-TRAP PLUMBED INTO WALL, VALVE BOX & FLANGE
WH 2	TANKLESS WATER HEATER	1"	1"	-	-	-	RINNAI #REU-KBD2934FFUD-US CONDENSING INDOOR TANKLESS WATER HEATER - TEMPERATURE CONTROLLED FORCED COMBUSTION - MIN. 15,200 BTUH & MAX. 180,000 BTUH NATURAL GAS RATE INPUT4 TO 9.0 GPM FLOW RATE @ 50°F RISE - WATER TEMP. TO BE SET @ MAX. 120° PLUMBING INSTALLATION KIT - 70 LBS
DF 1	ACCESSIBLE DRINKING FOUNTAIN	1/2"	_	2"	1-1/4"	2"	ELKAY #EZSTL8C BARRIER FREE WALL MOUNTED "HI—LO" ELECTRIC DRINKING FOUNTAIN — WALL MOUNTED — DUAL HEIGHT FOUNTAINS — WALL MOUNT SUPPORT CARRIER — PUSH BUTTON OPERATED VANDAL RESISTANT BUBBLER HEADS WITH INTEGR LAMINAR ANTI—SQUIRT FLOW — VANDAL RESISTANT FOR WASTE STRAINERS AND BOTTOM PLATES — 18GA. TYPE 304



The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

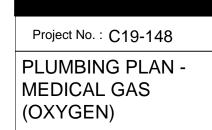
Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

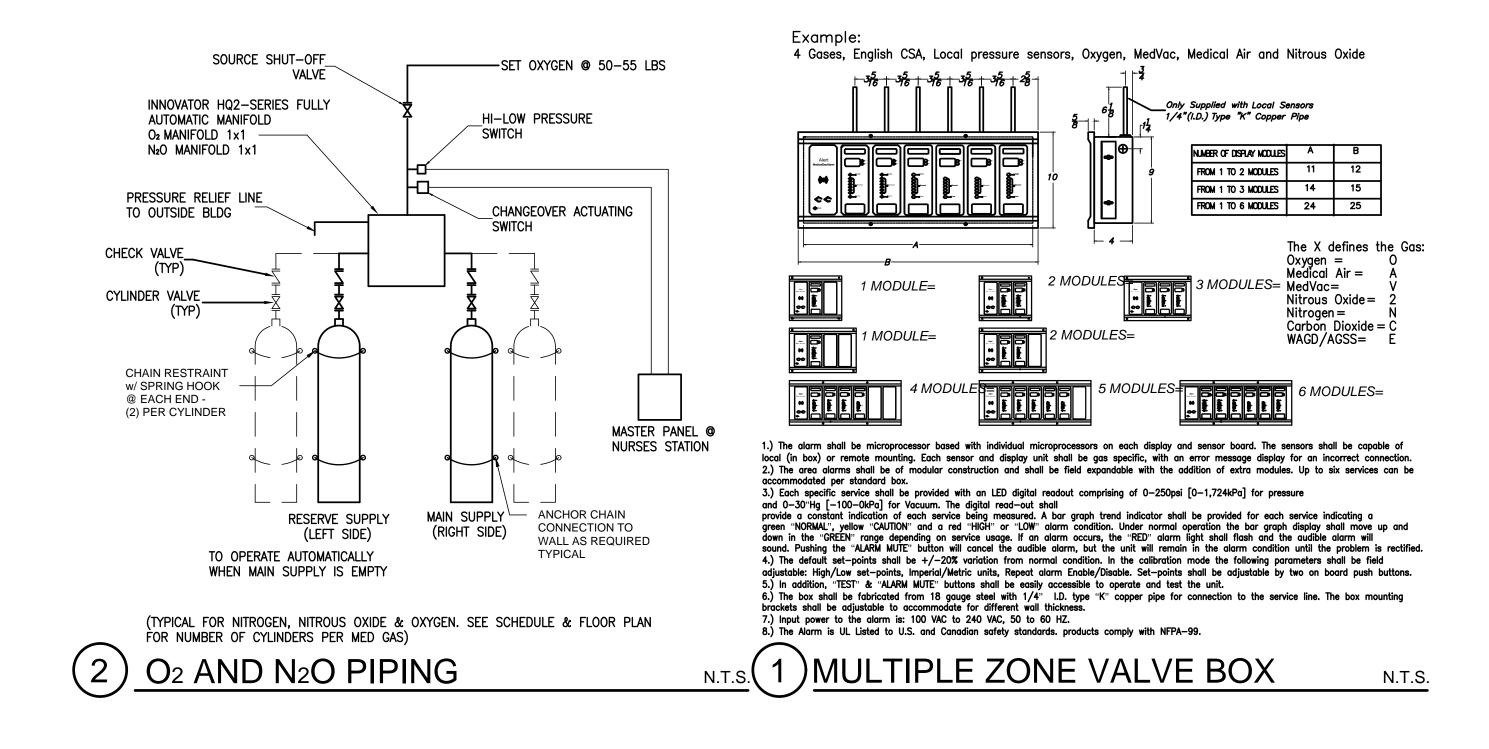
SAN JOAQUIN VALLEY PULMONARY 5801 TRUXTUN AVE, BAKERSFIELD CA 933309

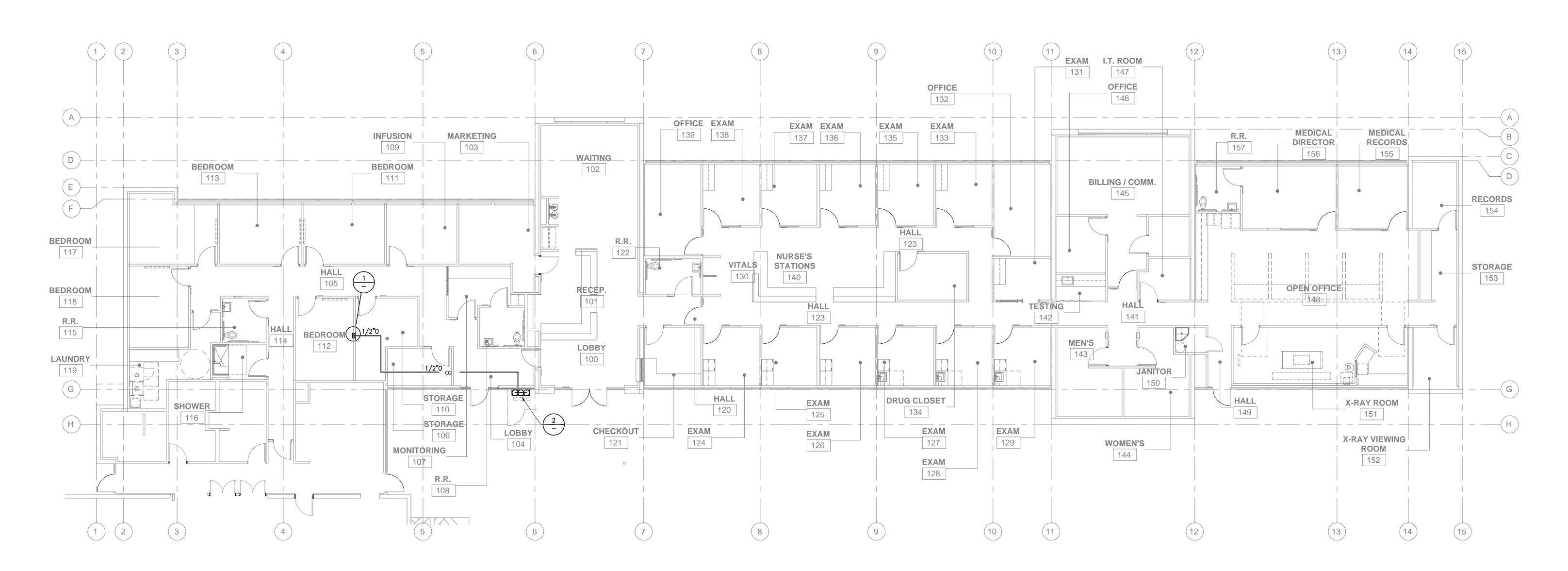


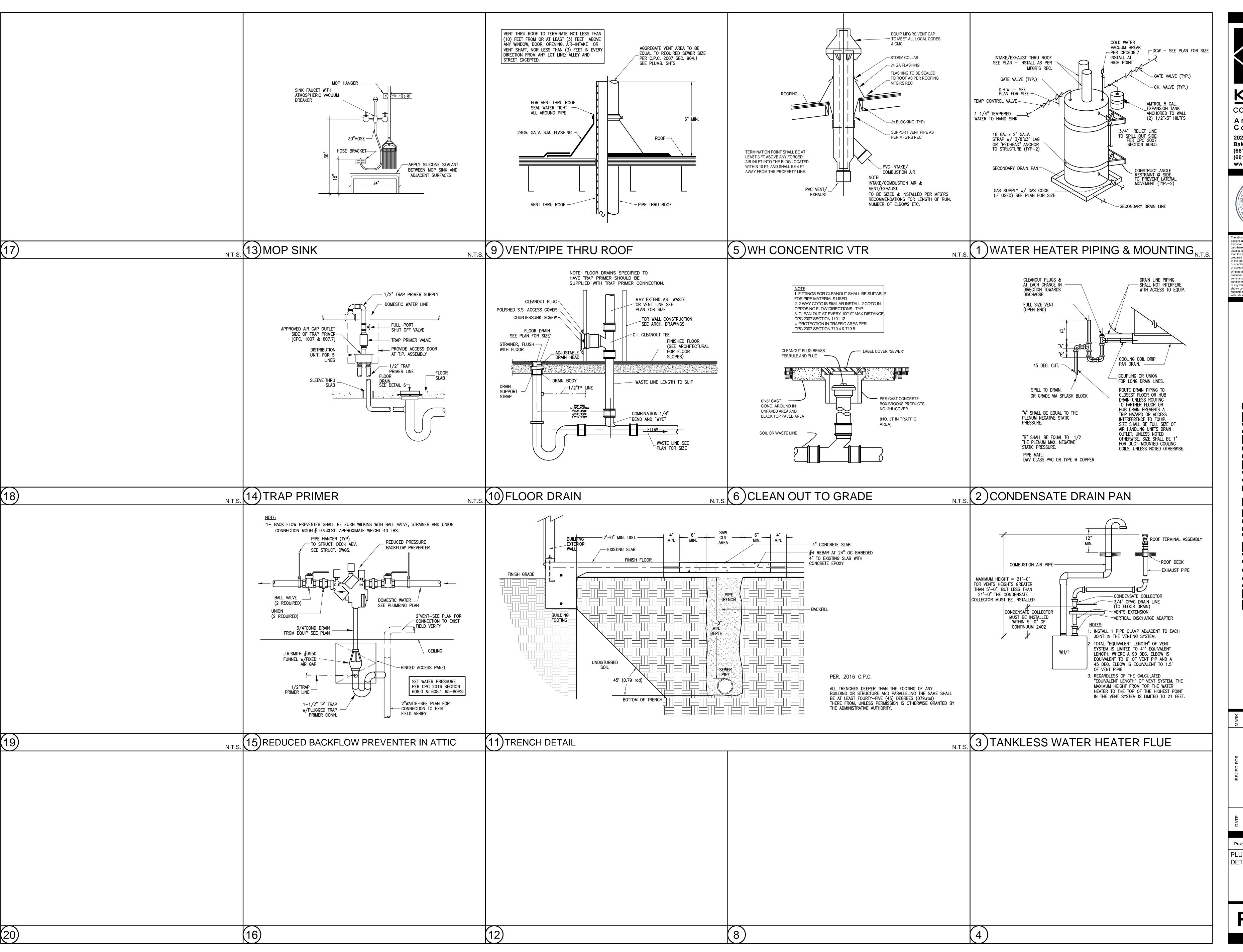
Project No. : C19-148

PLUMBING
ROOF PLAN,
SCHEDULES









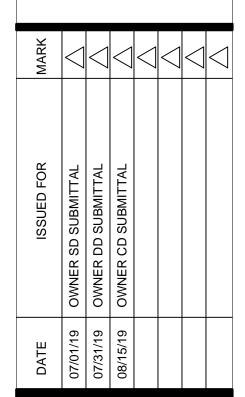




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Project No. : C19-148 PLUMBING DETAILS

P6.0

ME	CHANICAL AB	BRE	VIATIONS	SYMBOLS				
&	AND	НВ	HOSE BIBB	SYMBOL	DESCRIPTION			
∠ ⊚ (°	angle at center line	HC HD	HANDICAPPED HEAD	SIZE -	SUPPLY AIR CEILING DIFFUSER			
G PL Ø (E) (X)	PROPERTY LINE DIAMETER or ROUND	HDWE HI. HORIZ	HARDWARE HIGH HORIZONTAL	CFM				
(E)	EXISTING NEW	HP HW	HORSEPOWER HOT WATER	0175	CURRING VARIENTE AIR OFFILING			
"	PERPENDICULAR POUND or NUMBER	HWR HWS	HOT WATER RETURN HOT WATER SUPPLY	SIZE OF OF	SUPPLY VARIBLE AIR CEILING DIFFUSER HEAT & COOL			
# T	THERMOSTAT	HVAC	HEATING, VENTILATING, AIR CONDITIONING	†				
A/C AP	AIR CONDITIONING ACCESS PANEL	ID.	INSIDE DIAMETER (DIM.)	SIZE CFM	RETURN AIR CEILING REGISTER			
ABV ADJ	ABOVE ADJUSTABLE	insul Int	INSULATION INTERIOR	CFM L				
AFF AE	ABOVE FINISH FLOOR ADJUSTABLE EXTRACTOR	LAV LBS	LAVATORY POUNDS	SIZE \	EXHAUST AIR CEILING REGISTER			
AGGR ALUM	AGGREGATE Aluminum	LPG	LIQUID PETROLEUM GAS	CFM 🗀	ENTROCT FIN SELENG RESISTER			
APPROX APPT	APPROXIMATE APPOINTMENTS	MACH MATL	MACHINE MATERIAL	017F h				
ARCH. ARI	ARCHITECTURAL AMERICAN REFRIGERATION INSTITUTE	MAX. MBH MCA	MAXIMUM BTU PER HOUR (THOUSANDS) MINIMUM CIRCUT AMPS	SIZE] CFM	SUPPLY AIR WALL DIFFUSER			
ASPH ASST	ASPHALT ASSISTANT	MECH MTL	MECHANICAL METAL	-				
AUTO.	AUTOMATIC	MFGR	MANUFACTURER MANHOLE	SIZE	RETURN AIR WALL REGISTER			
BDD (DE)	BALANCING DAMPER BACKDDRAFT SAMPER	MH MIN MISC	MINIMUM MISCELLANEOUS	CFM []				
(BF) (BG)	BELOW FINISH FLOOR BELOW FINISH GRADE	MUA	MAKE UP AIR	SIZE 1	EVELATION AID WALL DECICTED			
BLDG BLKG	BUILDING BLOCKING	(N) NIC	NEW NOT IN CONTRACT	CFM	EXHAUST AIR WALL REGISTER			
BM BTUH BOT	BEAM BRITISH THERMAL UNIT/ HOUR BOTTOM	NO. or #	NOMINAL					
BV	BALL VALVE	nts Oa	NOT TO SCALE OVERALL	SIZE	TRANSFER GRILLE			
CA CAP	COMBUSTION AIR CAPACITY	OBD OC	OPPOSED BLADE DAMPER ON CENTER	P				
CD CFD	CONDENSATE DRAIN CEILING FIRE DAMPER	OSA OVHD	OUTSIDE AIR OVERHEAD		DUCTWORK (RECTANGULAR)			
CFM CHW	CUBIC FEET PER MINUTE CHILLED WATER	PTN PHYS	PARTITION PHYSICAL		,			
CHWR CHWS	CHILLED WATER RETURN CHILLED WATER SUPPLY	PR PVC	PRESSURE RELIEF POLY-VINYL CLORIDE PIPE		DUOTUODIA (DOLUMA)			
CJ CLG	CONTROL JOINT CEILING	PLAS PLYWD	PLASTER PLYWOOD	<u> </u>	DUCTWORK (ROUND)			
CLKG CLR	CAULKING CLEAR	POC PREFAB	POINT OF CONNECTION PREFABRICATED					
CO COL	CLEANOUT COLUMN	PREP PSI	PREPARATION POUNDS PER SQUARE INCH		LINED DUCTWORK			
COMP CONC	COMPRESSED CONCRETE	PW	PROCESSED WATER	 				
CONF CONN	CONFERENCE CONNECTION	R RA	RISER RETURN AIR	<u> </u>	TURNIG VANE			
CONST CONT	CONSTRUCTION CONTINUOUS	RAD. RAG	RADIUS RETURN AIR GRILLE		TOTALIO VAILE			
CORR CTR	CORRIDOR CENTER	REF REINF	REFERENCE REINFORCED					
CV	CHECK VALVE	REQD RM	REQUIRED ROOM ROUND		FLEXIBLE CONNECTION			
DBL DB DEPT	DOUBLE DRY BULD (TEMPERATURE) DEPARTMENT	RND S	SOUTH	 				
DEF1 DET DF	DETAIL DRINKING FOUNTAIN	SA SAD	SUPPLY AIR SUPPLY AIR DIFFUSER		MANUAL AIR VOLUME DAMPER			
DHW DHWR	DOMESTIC HOT WATER DOMESTIC HOT WATER RETURN	SAG SAR	SUPPLY AIR GRILLE SUPPLY AIR REGISTER		MANOAL AIR VOLOMIL DAMII ER			
DIA or Ø DIR	DIAMETER DIRECTOR	SCHD SD	SCHEDULE SMOKE DETECTOR	e e				
DN DR	DOWN DOOR	SEER SECT.	SEASONAL ENERGY EFFICIENCY SECTION		FIRE DAMPER			
DS DSP	DOWNSPOUT DRY STANDPIPE	SHT SIM	SHEET SIMILAR	SFD SFD				
DTR DTW	DUCT THRU ROOF DUCT THRU WALL	SQ SPEC	SQUARE SPECIFICATION		SMOKE FIRE DAMPER			
DWG	DRAWING	SP SOV	STATIC PRESSURE SHUT-OFF VALVE	•				
E EA	EXHAUST AIR	SS SST	SERVICE SINK STAINLESS STEEL	OAI	OUTSIDE AIR INTAKE			
EAG EDB	EXHAUST AIR GRILLE ENTERING DRY BUBL	STD STL	STANDARD STEEL	500	MIN. CFM			
EER ELEC	ENERGY EFFICIENCY RATIO ELECTRICAL	STOR STRUCT	STORAGE STRUCTURAL					
ELEV EMER	ELEVATION EMERGENCY	SUPV SUSP	SUPERVISOR SUSPENDED	AC.1	ROOM THERMOSTAT-SUBSCRIPT INDICATES UNIT CONTROL			
ENCL EP	ENCLOSURE ELECTRICAL PANEL	S&W TC	SOIL & WASTE TOP OF CURB		INDICATES UNIT CONTROL			
EQ EQUIP	EQUAL EQUIPMENT	TEL TER	TELEPHONE TERRAZZO	ВТ	BYPASS TIMER			
(E) ESP	EXISTING EXTERNAL STATIC PRESSURE	TG THK	TRANSFER GRILLE THICK	ВП				
EWB EXPO.	EXPOSED	TOC TP	TOP OF CONCRETE TRAP PRIMER					
EXT FA	EXTERIOR FIRE ALARM	TRANS TREAT.	TRANSCRIPTION TREATMENT	тс	TIME CLOCK			
FC FD	FLEXIBLE CONNECTION FIRE DAMPER	TYP TV	TYPICAL TEMPERING VALVE	RAS	RETURN AIR SENSOR			
FDN FHC	FOUNDATION FIRE HOSE CAB.	UL UON	UNDERWRITERS LABORATORIES UNLESS OTHERWISE NOTED	الم	E.O.III / III OLIIOOII			
FIN. Fla	FINISH FULL LOAD AMPS	UR V	URINAL VENT		DUCT SMOKE DETECTOR			
FM FPM	FIRE MAIN FEET PER MINUTE	VD	VOLUME DAMPER VENT THRU ROOF	SD	200. SMORE DETECTOR			
FSD FSL	FIRE/SMOKE DAMPER FIRE SPRINKLER LINE	VTR VSAD	VARIBLE SUPPLY AIR DIFFUSER					
FTR FURR	FLUE THRU ROOF FURRING	W W/	WASTE LINE WITH		POINT OF CONNECTION			
GA	GAUGE OR GAGE	WFD WH	WALL FIRE DAMPER WATER HEATER					
GALV GEN	GALVANIZED GENERAL CALVANIZED IBON	WHA W/O	WATER HAMMER ARRESTOR WITHOUT		CEILING EXHAUST FAN			
GI GPM	GALVANIZED IRON GALLONS PER MINUTE	WMF WP	WASHING MACHINE FITTING WATERPROOF	co	CO2 SENSOR			
G	GAS LINE	WT	WEIGHT	التا				
				ı				

BASIC MECHANICAL MATERIALS AND METHODS PART 1 – GENERAL 1.1 SUMMARY A. LABOR, MATERIALS, TOOLS, AND SERVICES FOR A COMPLETE INSTALLATION OF EQUIPMENT AND SYSTEM CONTAINED IN THE CONTRACT DOCUMENTS. B. PRINCIPAL FEATURES OF THE WORK INCLUDED ARE: 1. HEATING, VENTILATING, AIR CONDITIONING SYSTEMS, CONTROLS, AND MECHANICAL SYSTEM INSULATION. 2. ROOF CURBS FOR THIS PRINCIPAL SYSTEMS, INTAKE HOODS, LOUVERS, SUPPLY FANS, AND RELIEF VENTS FURNISHED AND SET UNDER THIS DIVISION. 3. REFRIGERANT PIPING, CONNECTIONS, REFRIGERANT AND REFRIGERANT CHARGES 3. REFRIGERANT PIPING, CUNNECTIONS, REFRIGERANT AND REFRIGERANT CHARGES. 4. EXCAVATING AND BACKFILLING FOR MECHANICAL WORK; COORDINATE WITH APPROPRIATE TRADE. 5. ANCHOR BOLTS, SLEEVES. SUPPORTS AND SIMILAR ITEMS TO BE BUILT INTO CONCRETE OR MASONRY. 6. PREPARATION FOR TESTING AND BALANCE OF MECHANICAL SYSTEMS AND CORRECTING DEFICIENCIES. 7. PREPARATION AND SUBMITTAL OF SHOP DRAWING AND PRODUCT DATA. 8. MAINTAINING A RECORD SET OF BLUE LINE PRINTS AND MAKING THEM TO INDICATE LOCATIONS OF CONCEALED ITEMS, AND DEVIATIONS MADE TO SUIT CONDITIONS AND PRODUCTION OF MECHANICAL AS— A. SUBMITTAL OF BID IMPLIES BIDDER HAS READ APPLICABLE PARAGRAPHS OF THE SPECIFICATIONS AND WILL BE BOUND BY THEIR CONDITIONS. 1.3 LOCAL CONDITIONS A. CONFORM WITH LOCAL CONDITIONS. COORDINATE WITH LOCAL UTILITIES ON SIZE OF UTILITY SERVICE. A. THE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) DESCRIBE THE MECHANICAL WORK OF THIS PROJECT ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH. B. THE CONTRACT DOCUMENTS FORM A GUIDE FOR A COMPLETE MECHANICAL INSTALLATION. WHERE AN ITEM IS REASONABLY NECESSARY BUT NOT SPECIFICALLY MENTIONED, SUCH AS DUCT HANGERS OR TRANSITIONS, PIPING OFFSETS, DRAINS, ETC., FOR A COMPLETE SYSTEM, PROVIDE SAME. C. MECHANICAL LAYOUTS INDICATED ON DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS OF DUCTS, AND FOLIDMENT SHALL BE COVERNED BY THE DRAWINGS OF BELATED TRADES. AND EQUIPMENT SHALL BE GOVERNED BY THE DRAWINGS OF RELATED TRADES. A. NO DEVIATIONS FROM SPECIFICATIONS AND DRAWINGS SHALL BE MADE WITHOUT FULL KNOWLEDGE AND WRITTEN CONSENT OF CONSTRUCTION MANAGER. B. SHOULD CONTRACTOR FIND, DURING PROGRESS OF WORK, CONDITIONS WHICH DICTATE A MODIFICATION OF ANY PARTICULAR REQUIREMENTS, REPORT SUCH ITEM PROMPTLY FOR DECISION OF INSTRUCTIONS. 1.6 QUALITY ASSURANCE A. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES. B. COMPLY WITH APPLICABLE REQUIREMENTS OF RECOGNIZED INDUSTRY ASSOCIATIONS WITH PROMULGATE STANDARDS FOR THE VARIOUS TRADES. (SEE INDIVIDUAL SECTIONS OF DIVISION 15) C. EMPLOY QUALIFIED JOURNEYMEN FOR THIS WORK. EMPLOY COMPETENT, QUALIFIED MECHANICS TO A. PERFORM WORK SPECIFIED IN DIVISION 15 IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS LISTED BELOW, AND SUCH STANDARDS THAT MAY BE SPECIFIED IN OTHER SECTIONS. WHEN THESE SPECIFICATIONS ARE MORE STRINGENT, THEY TAKE PRECEDENCE. IN CASE OF CONFLICT, OBTAIN A DECISION FROM THE MECHANICAL 1. NFPA 54: NATIONAL FUEL AND GAS CODE 2. NFPA 90A: AIR CONDITIONING AND VENTILATION SYSTEMS. 3. NFPA 101: LIFE SAFETY CODE. 4. APPLICABLE STATE BUILDING CODE. 5. APPLICABLE STATE MECHANICAL CODE. HANDICAPPED CODE ANSI A117.1 AND ADA . APPLICABLE STATE ENERGY CODE.). ANSI: AMERICAN NATIONAL STANDARDS INSTITUTE. 0. ARI: AMERICAN REFRIGERATION INSTITUTE. . ASHRAE: AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS. 2. ASME: AMERICAN SOCIETY FOR MECHANICAL ENGINEERS. 3. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS. 14. MSS: MANUFACTURER'S STANDARDIZATION SOCIETY OF THE VALVE AND FITTING INDUSTRY. 5. NFPA: NATIONAL FIRE PROTECTION ASSOCIATION. 5. SMACNA: SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION. 7. UL: UNDERWRITERS' LABORATORIES. INC. A. CAREFULLY EXAMINE SPECIFICATIONS AND DRAWINGS TO BE THOROUGHLY FAMILIAR WITH ITEMS WHICH REQUIRE HVAC CONNECTIONS AND COORDINATION. B. COORDINATE WITH OTHER DIVISIONS TO LEAVE PROPER CHASES AND OPENINGS. PLACE OUTLETS, ANCHORS, SLEEVES, AND SUPPORTS PRIOR TO POURING CONCRETE OF INSTALLATION OF MASONRY WORK. A. SUBMITTALS ARE ONLY REQUIRED FOR SPECIFIC ITEMS OF EQUIPMENT OR MATERIAL LISTED IN INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. B. WITHIN 15 DAYS AFTER AWARD OF CONTRACT FOR THIS WORK, SUBMIT A LIST OF PROPOSED MANUFACTURERS (OF EQUIPMENT OR MATERIAL TO BE USED) FOR APPROVAL. SUBMIT THIS LIST BEFORE SUBMITTAL OF SHOP DRAWINGS AND PRODUCT DATA, AND OBTAIN APPROVAL BEFORE SUBMITTING REQUIRED ITEMS. C. SHOP DRAWINGS (NOT REQUIRED FOR OWNER FURNISHED EQUIPMENT). A. INSOFAR AS POSSIBLE, DELIVER ITEMS IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING. WHERE THAT IS NOT PRACTICAL. COVER ITEMS WITH PROTECTIVE MATERIALS TO KEEP THEM FROM BEING DAMAGED. USE CARE IN LOADING, TRANSPORT, UNLOADING, AND STORAGE TO KEEP ITEMS FROM BEING DAMAGED. A. MATERIALS USED ANYWHERE IN THE WORK MUST HAVE NFPA RATINGS AS FOLLOWING: 1. FLAME SPREAD — NOT OVER 25 2. SMOKE DEVELOPED — NOT OVER 50 3. FUEL CONTRIBUTED — NOT OVER 25 B. MATERIALS SHALL BE "SELF EXTINGUISHING". A. OBTAIN, PAY FOR, AND DELIVER PERMITS, CERTIFICATION OF INSPECTION, AND OTHER SUCH ITEMS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. DELIVER CERTIFICATION TO THE CONSTRUCTION MANAGER PRIOR TO FINAL ACCEPTANCE OF THE WORK. AN INSPECTION CERTIFICATE FOR EACH CLASS OF WORK REQUIRING INSPECTION MUST E SUBMITTED PRIOR TO OR WITH THE FINAL PAYMENT INVOICE. THE RESPONSIBLE TRADE CONTRACTOR MUST MAKE APPLICATION FOR THE INSPECTION, COORDINATE SAME AND PAY THE REQUIRED INSPECTION FEE. 1.13 EXTENDED WARRANTIES A. WORK FURNISHED UNDER THE CONTRACT SHALL BE WARRANTED AGAINST DEFECTS IN WORKMANSHIP AND (CONTRACTOR FURNISHED) MATERIALS FOR A PERIOD OF NOT LESS THAT ONE (1) YEAR, OR AS OTHERWISE SPECIFIED, FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED, AND DEFECTIVE MATERIAL REPLACED, WITHOUT ADDITIONAL COST. WHEN DEFECTS IN A TRADE CONTRACTOR'S WORK CAUSES DAMAGE TO THE WORK OF THE OTHER TRADE CONTRACTORS, SUCH DAMAGE SHALL BE REPAIRED BY THE TRADE CONTRACTOR CAUSING DAMAGE AND WORK RESTORED TO ITS ORIGINAL CONDITION, AT THE EXPENSE OF THE TRADE CONTRACTOR THAT CAUSED THE DAMAGE.

GENERAL MECHANICAL NOTES PART 2 - PRODUCTS 2.1 MATERIALS AND EQUIPMENT A. WITHIN THE CONTRACT DOCUMENTS RELATING TO MECHANICAL WORK, MANUFACTURER'S NAMES, CATALOG NUMBERS, AND OTHER PROPRIETARY REFERENCES TO MATERIALS AND EQUIPMENT ARE MADE. SUCH REFERENCES ARE MADE TO ESTABLISH THE STANDARDS OF QUALITY AND TYPE REQUIRED, AND NOT TO LIMIT COMPETITION. ACCEPTABLE MANUFACTURER'S OF COMPETITIVE PRODUCTS ARE LISTED IN APPLICABLE SECTIONS AS "APPROVED EQUALS". REASONABLE REQUESTS FOR SUBSTITUTION OR ADDITIONS TO "APPROVED EQUALS" WILL BE CONSIDERED, BUT THE ARCHITECT WILL BE THE SOLE JUDGE OF ACCEPTABILITY OF ITEMS PROPOSED AS B. MATERIALS AND EQUIPMENT USED IN CARRYING OUT THESE SPECIFICATIONS SHALL BEAR UL OR OTHER RECOGNIZED TESTING LABORATORY LABEL WHEN SUCH LABELS ARE AVAILABLE. PART 3 - EXECUTION 3.1 LOCATIONS A. MECHANICAL LAYOUTS INDICATED ON DRAWINGS ARE DIAGRAMMATIC. EXACT LOCATIONS OF DUCT, AND EQUIPMENT MAY VARY BECAUSE OF CONFLICTS WITH WORK OF OTHER TRADES. WORK OUT CONFLICTS WHERE RELOCATION'S WILL NOT AFFECT OPERATION OR APPEARANCE OF SYSTEMS. B. LOCATE EQUIPMENT REQUIRING PERIODIC SERVICING SO THAT IT IS READILY ACCESSIBLE. DO NOT BACK UP SERVICE SIDES TO WALLS, NOR PLACE IT TOO CLOSE TO OTHER EQUIPMENT TO MAKE SERVICE IMPRACTICAL. EQUIPMENT SERVICE CLEARANCE SHALL MEET MINIMUM ACCEPTABLE DISTANCE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. 3.2 UTILITIES EXCAVATING AND BACKFILLING A. PERFORM TRENCHING, EXCAVATING, BACKFILLING FOR MECHANICAL WORK IN ACCORDANCE WITH THE APPROPRIATE SECTIONS AND AS SET FORTH BELOW 1. PERFORM WORK NECESSARY FOR INSTALLATION OF MECHANICAL UTILITIES. 2. DEPTH OF EXCAVATION TO PROVIDE A MINIMUM OF 3' ABOVE TOP OF PIPE. EXCAVATION TO BE CARRIED TO A DEPTH OF AT LEAST 6" BELOW BOTTOM OF PIPE ELEVATION. FILL BELOW PIPE (6"), AROUND PIPE, AND A MINIMUM OF 12" ABOVE PIPE WIT SAND OR CLASS "B" CRUSHED STONE TAMPED FIRM AND EVEN. SEPARATE TOPSOIL DURING EXCAVATION. FINAL LAYER OR DIRT (12" MINIMUM) TO BE TOPSOIL. TRENCHES TO BE AT LEAST 18" WIDER THAN PIPE WITH BATTER BOARDS PLACED EVERY 25'. BACKFILLING SHALL BE DONE TO EXCLUDE USE OF ROCK OR STONE ABOVE SAND OR CRUSHED STONE. A. REPAIR OR REPLACE ROUTINE DAMAGE CAUSED BY CUTTING IN PERFORMANCE OF CONTRACT. B. CORRECT UNNECESSARY DAMAGE CAUSED DUE TO INSTALLATION OF MECHANICAL WORK. C. PERFORM REPAIRS WITH MATERIALS WHICH MATCH EXISTING AND INSTALLATION IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THESE SPECIFICATIONS OR THE BEST STANDARDS OF THE INDUSTRY. A. CONNECT OR INSTALL EQUIPMENT SHOWN ON MECHANICAL DRAWINGS THAT REQUIRE MECHANICAL HOOKUPS. A. IF EQUIPMENT IS PLACED IN SERVICE PRIOR TO ACCEPTANCE OF THE PROJECT, OPERATE EQUIPMENT STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSTALL NEW FILTERS IN EQUIPMENT PRIOR TO OWNER

B. EMPLOY COMPETENT, QUALIFIED PERSONNEL IN OPERATION OF THE EQUIPMENT.
C. PROVIDE FOR PROPER OPERATION AND CLEANLINESS.
D. OPEN UP EQUIPMENT FOR INSPECTION AS DIRECTED BY THE SUPERINTENDENT.
E. LUBRICATE EQUIPMENT AND PERFORM SUCH OTHER MAINTENANCE AS REQUIRED TO PLACE IT IN FIRST CLASS OPERATING CONDITION.

END OF SECTION

SECTION 2

HEATING, VENTILATION AND AIR CONDITIONING

PART 1 — GENERAL

A. REFER TO DRAWINGS AND CONTRACT FOR MATERIALS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR OR FURNISHED AND INSTALLED BY OWNER.

1.2 SCOPE OF WORK

A. FURNISH ALL LABOR, SUPERVISION, AND EQUIPMENT (UNLESS EQUIPMENT IS SPECIFICALLY NOTED AS 'OWNER FURNISHED') FOR THE COMPLETE INSTALLATION OF HEATING, VENTILATION, AND AIR CONDITIONING SYSTEM TOGETHER WITH ALL NECESSARY AUXILIARIES AND APPURTENANCES.

1.3 QUALITY ASSURANCE
A. MANUFACTURER'S QUALIFICATIONS — INSTALL PACKAGED UNITS, AS INDICATED IN THE DRAWINGS, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS. PROVIDE RELATED PRODUCTS AND ACCESSORIES FROM ONE MANUFACTURER. STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION PROTECTING FROM DIRT, MOISTURE, CONTAMINANTS, AND WEATHER.
B. CODES AND STANDARDS — PERFORM ALL INSTALLATION IN ACCORDANCE WITH THE LATEST STANDARDS AS RECOGNIZED BY ASHRAE, SMACNA AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
C. WORKMANSHIP — EXPERIENCED, WELL — TRAINED WORKERS, COMPETENT TO COMPLETE THE WORK AS SPECIFIED, SHALL PERFORM LABOR IN CONFORMANCE WITH GENERALLY ACCEPTED TRADE STANDARDS. INSTALL ALL EQUIPMENT SQUARE AND PLUMB ALLOWING ACCESS FOR PROPER OPERATION, ADJUSTMENT AND SERVICE.

1.4 STRUCTURAL AND SPACE CONDITIONS
A. ALL WORK SHALL AVOID OBSTRUCTIONS AND INTERFERENCE WITH OTHER TRADES, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR AND FREE.

1.6 VIBRATION AND NOSE
A. INSTALL EACH OF THE VARIOUS PIECES OF EQUIPMENT TO OPERATE WITHOUT OBJECTIONABLE VIBRATION OR NOISE.

1.7 CUTTING AND PATCHING
A. CUTTING OR PATCHING NECESSARY TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT SHALL BE
THE RESPONSIBILITY OF THIS TRADE. CUTTING AND PATCHING SHALL BE COORDINATED WITH OTHER TRADES SO AS NOT

1.8 BALANCING AND TESTING
A. TEST AND BALANCE SHALL BE PERFORMED BY A NATIONALLY QUALIFIED TEST AND BALANCE COMPANY.
BALANCE CAOMPANY SHALL BE AN NEBB COMPANY.
B. CONTRACTOR SHALL COORDINATE TESTING WITH THE TESTING AND BALANCE COMPANY. ALL SYSTEMS SHALL BE FULLY OPERATIONAL PRIOR TO COMMENCEMENT OF TESTING. CORRECT ALL DEFICIENCIES NOTED IN THE TEST AND BALANCE REPORT WITHIN THREE DAYS OR PRIOR TO ACCEPTANCE OF THE PROJECT.
C. ASSUME RESPONSIBILITY FOR CORRECTING ALL ITEMS DETERMINED TO BE THE RESULT OF IMPROPER OR INCOMPLETE INSTALLATION. EXTRA TESTING REQUIRED DUE TO SUCH DEFICIENCIES WILL BE AT CONTRACTOR'S EXPENSE.

INSTALLATION. EXTRA TESTING REQUIRED DUE TO SUCH DEFICIENCIES WILL BE AT CONTRACTOR'S EXPENSE.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEST REPORTS TO THE LOCAL BUILDING AND HEALTH DEPARTMENTS AS REQUIRED FOR CERTIFICATE OF OCCUPANCY.

PART 2 — PRODUCTS

2.1 AIR CONDITIONING UNITS, FANS AND AIR DEVICES
A. SHALL BE AS INDICATED ON THE DRAWINGS.

OCCUPYING BUILDING

2.2 DUCTWORK
A. FABRICATION AND INSTALLATION, GENERAL — EXCEPT AS OTHERWISE INDICATED, FABRICATE AND INSTALL RECTANGULAR AND ROUND DUCTS IN ACCORDANCE WITH 2013 CMC CHAPTER 6 DUCT SYSTEMS. CONFORM TO THE REFERENCED SMACNA HVAC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTS. AN APPROVED FLEXIBLE DUCT MAY BE USED FOR THE LAST 7 FT CONNECTION TO REGISTERS.

2.3 DUCT ACCESS PANELS AND DOORS

A. IN SHEET METAL WORK, HOLLOW CORE DOUBLE CONSTRUCTION OF SAME OR HEAVIER GAGE MATERIAL AS DUCT IN WHICH INSTALLED, PRODUCTS BY CESCO, VENT PRODUCTS, AIR BALANCE, OR EQUIVALENT.

1. PROVIDE VENTLOK OR APPROVED HINGES AND LATCHES ON ALL DOORS; 100 SERIES HINGES AND LATCHES ON LOW PRESSURE SYSTEM DOORS UP TO 18" MAXIMUM DIMENSION, 200 SERIES ON LARGER LOW PRESSURE SYSTEM DOORS AND 333 SERIES ON HIGH PRESSURE SYSTEMS.

2. CONSTRUCT DOORS UP TO 18" MAXIMUM DIMENSION WITH ONE INCH OVERLAP FIT AND GASKET WITH 3/4" BY 1/8" SPONGE RUBBER, FIT LARGER DOORS AGAIN 1-1/2" BY 1/8" FLAT STOCK OR ANGLE FRAME AND GASKET WITH 3/4" BY 1/8" SPONGE RUBBER OR FELT

3. DOOR SWING TO BE OPPOSITE OF AIRFLOW.

2.4 DUCTWORK SPECIALTIES

A. VOLUME AND SPLITTER DAMPERS

OR VENT PRODUCTS.

#609 HIVEL END BEARING FOR ACCESSIBLE DAMPERS.

1. GALVANIZED SHEET METAL BLADE AND FRAME WITH VENTFABRICE INC. VENTLOK OPERATING HARDWARE.
2. FOR ACCESSIBLE DAMPERS, PROVIDE #641 SELF — LOCKING DIAL REGULATORS AND #644 SELF — LOCKING DIAL REGULATORS FOR INSULATED DUCTWORK, #637 SQUARE END BEARING, AND #635 SPRING END BEARING, AS APPLICABLE
3. FOR INACCESSIBLE DAMPERS, PROVIDE #666 OR #667 CONCEALED LOCKING DAMPER REGULATOR WITH BEARING AS ABOVE. FOR STATIC PRESSURES ABOVE 3" W.G., PROVIDE #640 HIVEL DIAL REGULATOR AND

B. MULTI — LOUVER VOLUME DAMPERS

1. 16 — GAUGE GALVANIZED STEEL FRAME. OPPOSED, 6" WIDE, 16 — GAUGE GALVANIZED STEEL BLADES. CONCEALED LINKAGE IN FRAME.

2. TITUS #AG - 35 - B, RUSKIN #CD35/ OBD OR EQUAL

C. FLEXIBLE CONNECTIONS

1. PROVIDE FLEXIBLE CONNECTORS AT THE DISCHARGE AND INLET OF FANS, AIR HANDLERS, ROTATING MECHANICAL EQUIPMENT, AND WHERE SHOWN AN THE DRAWINGS FOR PROPER VIBRATION ISOLATION.

2. NEOPRENE IMPREGNATED GLASS CLOTH WITH 24 - GAUGE GALVANIZED METAL FRAME. MINIMUM DIMENSIONS - 3" METAL, 3" FABRIC, 3" METAL.

3. DURO DYNE #MFN4, VENT FABRICS #VENTGLAS, Q INDUSTRIES, CONSOLIDATED KINETICS, ELGEN, OR

D. BACKDRAFT DAMPERS

1. PROVIDE COUNTERWEIGHT TYPE COMPLETE WITH FRAME, END BEARING, COUNTERBALANCE ASSEMBLY, BLADES, AND LINKAGE.

2. INSTALL AT OUTSIDE AIR INTAKE, EXHAUST OUTLETS, AND WHERE SHOWN ON DRAWINGS.

3. PACIFIC AIR PRODUCTS #PRD — 100AL, RUSKIN #CBS — 7 OR EQUAL BY AMERICAN WARMING.

E. TURNING VANES

1.PROVIDE TURNING VANES AT ALL 90° AND 45° SQUARE ELBOWS. TURNING VANES SHALL
BE DOUBLE WALL AIR FOIL TYPE CONSTRUCTED AND INSTALLED AS PER SMACNA.

2.5 DUCT INSULATION

A. ACCEPTABLE MANUFACTURERS: PROVIDE PRODUCTS OF THE FOLLOWING MANUFACTURES, COMPLYING WITH SPECIFIED REQUIREMENTS. EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS WILL BE CONSIDERED.

1. OWENS — CORNING FIBERGLAS CORP.

2. MANVILLE PRODUCTS CORP.

3. CERTAINTEED CORP.

B. ALL INSULATION MATERIAL SHALL COMPLY WITH APPLICABLE ENERGY CONSERVATION REGULATION FOR PROJECT LOCATION.

C. PROVIDE COMPOSITE MECHANICAL INSULATION (INSULATION, JACKET, COVERINGS, SEALERS, MASTICS, AND ADHESIVES) WITH FLAME — SPEED INDEX OF 25 OR LESS, AND SMOKE — DEVELOPED INDEX OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.

D. PROVIDE STAPLES, BANDS, WARD, FAPE ANCHORS, CORNER ANGLES AND SIMILAR ACCESSORIES AS

RECOMMENDED BY INSULATION MANUFACTURER FOR APPLICATIONS INDICATED.

E. PROVIDE CEMENTS, ADHESIVES, COATINGS, SEALERS, PROTECTIVE FINISHES, AND SIMILAR COMPOUNDS AS RECOMMENDED BY INSULATION MANUFACTURER FOR APPLICATIONS INDICATED.

2.6 REFRIGRANT PIPING

A. REFRIGRANT PIPING TO BE COPPER SEAMLESS, VACUUM PACKED TUBING.

C. ALL SUCTION LINES HEADING UP TOWARDS CONDENSING UNIT SHALL HAVE A 'P' TRAP.
D. PROVIDE SIGHT GLASS AND FILTER DRIER ON LIQUID LINES AT CONDENSING UNITS.
E. ALL REFRIGRANT PIPING UNDERGROUND TO BE CONTAINED IN A PVC SLEEVE.
F. REFRIGRANT PIPING TO BE SIZED AND INSTALLED AS PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.

B. ALL SUCTION LINES TO SLOPE BACK TOWARDS CONDENSING UNIT.

G. REFRIGRANT PIPING TO BE INSULATED WITH ARMAFLEX INSULATION.

2.7 HVAC CONTROLS

A. SHALL BE AS INDICATED ON THE DRAWINGS.

B. ELECTRIC AND ELECTRONIC HVAC CONTROLS — COMPONENTS AND OPERATING FEATURES AS INDICATED ON THE DRAWINGS.

PART 3 — EXECUTION

3.1 HVAC SYSTEM INSTALLATION, GENERAL
SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF MECHANICAL SYSTEMS, MATERIALS, AND

SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF MECHANICAL SYSTEMS, MATERIALS, AND EQUIPMENT. COMPLY WITH THE FOLLOWING REQUIREMENTS

1. COORDINATE MECHANICAL SYSTEMS, EQUIPMENT, AND MATERIALS WITH OTHER BUILDING COMPONENTS.

 VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS.
 ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS DURING PROGRESS OF CONSTRUCTION, TO ALLOW FOR MECHANICAL INSTALLATIONS.

CONSTRUCTION, TO ALLOW FOR MECHANICAL INSTALLATIONS.

4. COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SLEEVES TO BE SET IN POURED IN PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.

5. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF MECHANICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING IN THE BUILDING.

6. WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE.

7. COORDINATE CONNECTION OF MECHANICAL SYSTEMS WITH EXTERIOR UNDERGROUND AND OVERHEAD UTILITIES AND SERVICES. COMPLY WITH REQUIREMENTS OF GOVERNING REGULATIONS, FRANCHISED SERVICE COMPANIES, AND CONTROLLING AGENCIES. PROVIDE REQUIRED CONNECTION FOR EACH SERVICE.

8. INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO CONFORM WITH DRAWINGS AND SPECS, TO GREATEST EXTENT POSSIBLE. CONFORM TO ARRANGEMENTS INDICATED BY THE CONTRACT DOCUMENTS, RECOGNIZING THAT PORTIONS OF THE WORK ARE SHOWN ONLY IN DIAGRAMMATIC FORM. WHERE COORDINATION REQUIREMENTS CONFLICT WITH INDIVIDUAL SYSTEM REQUIREMENTS, REFER CONFLICT TO THE CONTRACTOR

FOR RESOLUTION PRIOR TO INSTALLATION.

9. INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS, WHERE INSTALLED EXPOSED IN FINISHED SPACES OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL.

10. INSTALL MECHANICAL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE, AND REPAIR OR REPLACEMENT

Corporation
Architecture
Construction

2021 Westwind Drive
Bakersfield, CA 93301
(661) 324-3000
(661) 324-3900 Fax



www.klassencorp.com

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Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

SAN JOAQUIN VALLEY PULMONARY
5801 TRUXTUN AVE, BAKERSFIELD CA 933309

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ISSUED FOR	OWNER SD SUBMITTAL	OWNER DD SUBMITTAL	OWNER CD SUBMITTAL				
DATE	07/01/19	07/31/19	08/15/19				

Project No. : C19-148

MECHANICAL
GENERAL NOTES

2016 CALIFORNIA CALGREEN NOTES

PER SECTION 5.504.1.3, IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE OF RETURN AIR FILTERS WITH A MERV 8, BASED ON ASHRAE 52.2—1999, OR AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1—1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR, IF THE BUILDING IS OCCUPIED DURING ALTERATION, AT CONCLUSION OF CONSTRUCTION.

PER SECTION 5.504.3, AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL, OR APPROVED METHODS TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

PER SECTION 5.504.5.3, IN MECHANICALLY VENTED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8. MERV 8 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.

PER SECTION 5.508.1.1, INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFC's.

DUCT SIZING REQUIREMENTS

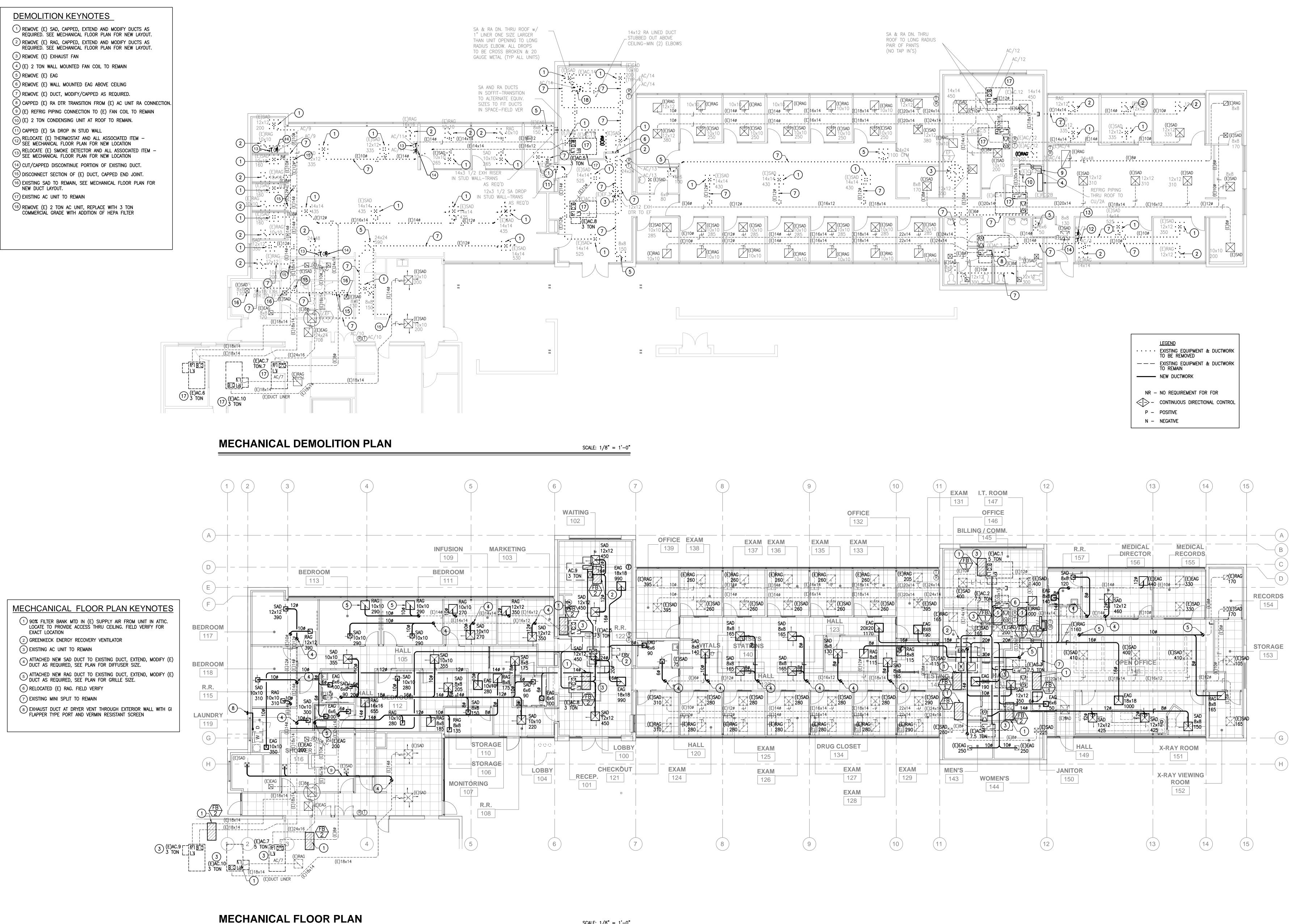
0-90 CFM	600 FPM	.08 LOSS PER 100FT	6" DIAMETER
90-200 CFM	600 FPM	.08 LOSS PER 100FT	8" DIAMETER
200-375 CFM	700 FPM	.08 LOSS PER 100FT	10" DIAMETER
375-600 CFM	800 FPM	.08 LOSS PER 100FT	12" DIAMETER
600-900 CFM	875 FPM	.08 LOSS PER 100FT	14" DIAMETER
900-1200 CFM	900 FPM	.08 LOSS PER 100FT	16" DIAMETER
1200-1600 CFM	900 FPM	.08 LOSS PER 100FT	18" DIAMETER
1600-2000 CFM	900 FPM	.08 LOSS PER 100FT	20" DIAMETER
2000-2400 CFM	900 FPM	.08 LOSS PER 100FT	22" DIAMETER
NOTES:			
1101201			

2. ALL FITTINGS TO BE OF INDUSTRY STANDARD TYPE WITH COEFFICIENTS

1. ALL ELBOWS TO BE SMOOTH RADIUS

PUBLISHED IN MANUAL Q

3. NC 30 DUCT SIZING



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





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Project No. : C19-148 MECHANICAL PLANS

M2.0

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

MECHANICAL ROOF PLAN





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SAN JOAQUIN VALLEY PULMONARY 5801 TRUXTUN AVE, BAKERSFIELD CA 93330

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DATE	07/01/19	07/31/19	08/15/19			

Project No. : C19-148

MECHANICAL ROOF
PLAN

M3.0

		REGISTER	SCHEDULE
SIZE CFM		SAD-SUPPLY AIR CEILING DIFFUSER	REGISTERS TO BE TITUS OR EQUAL SAD-SUPPLY 'T'BAR CEILING-#MCD-3 w/OBD SUPPLY HARD SURFACE-#MCD-1 w/OBD
SIZE CFM	-[]	SAR-SUPPLY AIR WALL REGISTER	SUPPLY SIDE WALL-#300RL w/OBD SAR-SUPPLY SIDE WALL-#300RL w/OBD DOUBLE DEFLECTION
SIZE CFM		LRR-LINEAR RETURN AIR SLOT REGISTER	RAG-RETURN 'T'BAR CEILING-#50F w/OBD BORDER TYPE 3 RETURN SURFACE MOUNT-#50F w/OBD
SIZE CFM		RAG-RETURN AIR CEILING REGISTER	BORDER TYPE 1 RETURN SIDE WALL-#350RL w/OBD FRAG-FILTERED RETURN GRILLE 'T'BAR MOUNT
SIZE CFM		FRAG-FILTERED RETURN AIR CEILING REGISTER	#50FF w/OBD-BORDER TYPE 3 FILTERED RETURN GRILLE SURFACE MOUNT #50FF w/OBD-BORDER TYPE 1
SIZE CFM		RAG-RETURN AIR WALL REGISTER	EAG-EXHAUST 'T'BAR CEILING-#50R-NT w/OBD EXHAUST HARD SURFACE-#50R w/OBD EXHAUST SIDE WALL-#350RS w/OBD
SIZE CFM		EAG-EXHAUST AIR CEILING REGISTER	SEE PLAN FOR ALL SIZES.
SIZE CFM		EAG-EXHAUST AIR WALL REGISTER	SEE PLAN FOR SUPPLY AIR THROWS. CORDINATE REGISTERS w/CEILING GRID & LIGHTING.
SIZE		TG-TRANSFER GRILLE	
	BAKED E		RE TO BE FINISHED WITH FACTORY—APPLIED DOFING PRIMER. WHERE FIELD PAINTING IS TO JIST BE PROVIDED.

	FILTER BANKS						
MARK	DESCRIPTION						
FB 1	FARR #3P GLIDE/PACK FILTER BANK CABINET & DOORS — WEATHERPROOF FOR OUTSIDE INSTALLATION, INSULATED, PRIMED FOR PAINTING — 36"Wx27.25"Hx21"L (1) 24x24x12 & (1) 24x12x12 RIGA—FLO 200 FILTERS — ASHRAE 52.1—1992 90—95% EFF. ASHRAE 52.2—1999 MERV 14 — DWYER FILTER GAGE; INSTALL ACROSS THE FILTER BED. GAUGE SHALL BE RED LINED TO INDICATE WHEN THE RECOMMENDED MAXIMUM STATIC PRESSURE DROP HAS BEEN REACHED. (2016 CMC 408.1.1) FILTERS SHALL MEET ASHRAE STANDARDS AS PER CMC, CHAPTER 4, TABLE 4—B — 225 LBS						
FB 2	FARR #3P GLIDE/PACK FILTER BANK CABINET & DOORS — WEATHERPROOF FOR OUTSIDE INSTALLATION, INSULATED, PRIMED FOR PAINTING — 24"Wx27.25"Hx21"L (1) 24x24x12 RIGA—FLO 200 FILTER ASHRAE 52.1—1992 90—95% EFF. ASHRAE 52.2—1999 MERV 14 — DWYER FILTER GAGE; INSTALL ACROSS THE FILTER BED. GAUGE SHALL BE RED LINED TO INDICATE WHEN THE RECOMMENDED MAXIMUM STATIC PRESSURE DROP HAS BEEN REACHED. (2016 CMC 408.1.1) FILTERS SHALL MEET ASHRAE STANDARDS AS PER CMC, CHAPTER 4, TABLE 4—B 150 LBS						

	ENERGY RECOVERY AC UNIT
MARK	DESCRIPTION
ÆRV 1	GREENHECK #ERVe-45-30L ROOF MOUNTED ENERGY RECOVERY VENTILATOR OUTDOOR AIR: 4105 CFM AT .8"ESP- 5 HP - EXHAUST: 3940 CFM AT .8" ESP 3 HP BELT DRIVE 2" PLEATED MERV 8 FILTERS FOR OUTDOOR AND EXHAUST AIR HINGED DOORS INSULATED CASING - WEATHER HOODS DOUBLE WALL CONSTRUCTION SINGLE POINT POWER - FACTORY WIRED NON-FUSED DISCONNECT SWITCH - FACTORY SLOPED ROOF CURB 32.7 MCA @ 208/230v/3ø, 45 MOP - 1930 LBS
ÆRV 2	GREENHECK #ERVe-35-30L ROOF MOUNTED ENERGY RECOVERY VENTILATOR OUTDOOR AIR: 3145 CFM AT .8"ESP- 3 HP - EXHAUST: 3325 CFM AT .8" ESP 3 HP BELT DRIVE 2" PLEATED MERV 8 FILTERS FOR OUTDOOR AND EXHAUST AIR HINGED DOORS INSULATED CASING - WEATHER HOODS DOUBLE WALL CONSTRUCTION SINGLE POINT POWER - FACTORY WIRED NON-FUSED DISCONNECT SWITCH - FACTORY SLOPED ROOF CURB 24.5 MCA @ 208/230v/3ø, 35 MOP - 1640 LBS

NAA DIA	PACKAGED ROOFTOP UNITS
MARK	DESCRIPTION STREET OF THE PROPERTY OF THE PROP
AC 1	EXISTING 5 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 900 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
$\langle \frac{\overline{AC}}{2} \rangle$	EXISTING 7.5 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 3000 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED, CAP OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
$\frac{\overline{AC}}{3}$	EXISTING 7.5 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 3000 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
AC 4	EXISTING 7.5 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 3000 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
AC 5	EXISTING 3 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 1200 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
AC 6	EXISTING 3 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 1000 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
AC 7	EXISTING 5 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 2000 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
AC 8	EXISTING 3 TON SINGLE PACKAGE ROOFTOP UNIT — ELECTRIC CLG & GAS HTG SET @ 900 CFM @ 1.6"ESP — PROVIDE HIGH STATIC DRIVES & BELT AS REQ'D TO MEET DESIGN — UNIT POWER EXHAUST & ECONOMIZER TO BE DISCONNECTED AND REMOVED CAP, OSA AND EXHAUST OPENINGS. FIELD VERIFY FOR ALL REQ'D MODIFICATIONS PER MFG'RS RECOMMENDATIONS
AC 9	NOM. 3.0 TON — CARRIER #48HCLA04A3A5—A0A0A0 SINGLE—PACKAGE ROOFTOP UNIT ELECTRIC CLG & GAS HTG — 15.0 SEER — 900 CFM @ 1.6"ESP — HIGH STATIC BELT DRIVE — 1 STAGE COOLING @ AHRI RATINGS — HTG; 60,000 BTUH GAS INPUT, 49,000 BTUH OUTPUT — MICROMETL ULTRA LOW LEAK ECONOMIZER WITH BAROMETRIC RELIEF, HONEYWELL CONTROLS, DRY BULB SENSOR, HOOD BASE ELECTROMECH CONTROLS — MICROMETL SLOPED ROOF CURB — FLUE DEFLECTOR — POWERED CONVENIENCE OUTLET — 30 MCA @ 460v/3ph, 35 MOCP — 870 LBS

DOOR #	A	B	C	D	E	F	G	<u> </u>	T	N CFM		DD
ROOM	AREA (SF)	HT. (FEET)	(CU.FT.) (A x B)	MIN TOTAL ACH PER HR. (TABLE 4-A)	MIN SYSTEM CFM (SA)	MIN. OUTDOOR ACH PER HR (TABLE 4-A)	MIN OSA	SA	RA	OSA	EXH	PRESSI
AC-1 (EX 5 TON)						(TA)						
L45 BILLING DEPT.	438	10	4380	4	292	2	146	1000	1000	370	-	NF
146 OFFICE	92	10	920	4	61	2	31	165	165	61	-	NF
143 MENS	170	10	1700	10	283	NR	_	260	-	_	290	N
144 WOMENS	151	10	1510	10	252	NR	-	225	-	_	250	N
142 TESTING	78	10	780	6	78	2	26	150		56	150	NF
L41 HALL	114	10	1140	4	76	2	38	200	95	74	130	NF
150 JANITOR	27	10	270	10	45	NR		-	- 33	- 74	50	NF
TOTALS	1070	10	270	10	1087	INIT	241	2000	1260	740	740	INF
AC-2 (EX 7.5 TON)												
L55 MEDICAL RECORDS	149	10	1490	4	99	2	50	335	-	123	330	NF
156 MEDICAL DIRECTOR	194	10	1940	4	129	2	65	455	-	167	440	NE
157 R.R	74	10	740	10	123	NR	-	120	-	-	140	N
132 OFFICE	172	10	1720	4	115	2	57	395	205	145	190	NF
133 EXAM	113	10	1130	6	113	2	38	260	260	95		NF
135 EXAM	113	10	1130	6	113	2	38	260	260	95	-	NF
136 EXAM	113	10	1130	6	113	2	38	260	260	95	_	NF
137 EXAM	113	10	1130	6	113	2	38	260	260	95	_	NF
138 EXAM	113	10	1130	6	113	2	38	260	260	95		NF
139 OFFICE	172	10	1720	4	115	2	57	395	395	145		NF
TOTALS	1326	10	1720	-	1146		417	3000	1900	1100	1100	
		1					<u> </u>					
AC-3 (EX 7.5 TON)												
L54 RECORDS	113	10	1130	4	75	2	38	170	170	72		NI
153 STORAGE	93	10	930	4	62	2	31	105	*	44	***	NI
148 OPEN OFFICE	704	10	7040	4	469	2	235	1220	*	512	**	NI
149 HALL	47	10	470	4	31	2	16	55	*	23	**	NI
L52 X-RAY VIEWING ROOM	103	10	1030	6	103	2	34	165	165	69	-	NI
131 EXAM	78	10	780	6	78	2	26	115	115	48	_	NI
134 DRUG CLOSET	104	10	1040	4	69	2	35	130	130	55		NI
134 DRUG CLOSET 140 NURSE'S STATION		10	2140	6	214	2	71	315	*	132	**	NI
	214	+			1					1		+
130 VITALS	22	10	220	6	22	2	7	30	*	13	**	NF
123 HALL	565	10	5650	4	377	2	188	620	*	260	**	NF
122 R.R	67	10	670	10	112	NR	-	75	-	32	90	N
TOTALS	2110				1613		681	3000	1740	1260	1100	
AC-4 (EX 7.5 TON)		<u> </u>					***************************************	······································		<u></u>	T	1
121 CHECKOUT	112	10	1120	6	112	2	37	310	310	104	-	NI
124 EXAM	108	10	1080	6	108	2	36	280	280	94	-	NI
125 EXAM	108	10	1080	6	108	2	36	280	280	94	_	NI
126 EXAM	108	10	1080	6	108	2	36	280	280	94	_	N F
127 EXAM	108	10	1080	6	108	2	36	280	280	94	_	NF
128 EXAM	108	10	1080	6	108	2	36	280	280	94		NF
		+			1				 	+		+
129 EXAM	112	10	1120	6	112	2	37	290	290	97	4000	NF
IS1 XRAY ROOM FOTALS	331 1095	10	3310	6	331 1095	2	110 365	1000 3000	2000	384	1000	NF
I O I ALO	2000								2000		1	
AC-5 (EX 3 TON)												
103 MARKETING	183	10	1830	6	183	2	61	350	145	139	205	NI
LO9 INFUSION	141	10	1410	6	141	2	47	270	143	107	240	P
	i		1			2			200	1		
111 BEDROOM	162	9	1458	4	97		49	290	290	115	-	NF
113 BEDROOM FOTALS	162 648	9	1458	4	97 518	2	49 205	290 1200	290 725	115 476	445	NF
1017110			<u></u>						1			
AC-6 (EX 3 TON)												
118 BEDROOM	162	10	1620	4	108	2	54	310	310	93		NI
117 BEDROOM	204	10	2040	4	136	2	68	390	390	117	-	NI
L19 JANITOR/LAUNDRY	159	10	1590	10	265	NR	_	300	-	90	330	N
TOTALS	525				509		122	1000	700	300	330	
												T
AC -7 (EX 5 TON)	220	-	2061	Л	107	2	00	EDE	250	150	200	
105 HALL	329	9	2961	<u>4</u>	197	2	99	525	250	150	280	NI
107 MONITORING	93	10	930	6	93	2	31	175	175	50	-	NI
108 R.R	57	10	570	10	95	NR	-	90	-	-	100	N
114 HALL	115	9	1035	44	69	2	35	185	185	53		NI
110 STORAGE	127	10	1270	2	42	NR	-	205	185	58	-	NI
106 STORAGE	81	10	810	10	135	NR		150	135	43		NI
112 BEDROOM	150	9	1350	4	90	2	45	280	280	80		N
115 R.R	62	9	558	10	93	NR		90			100	N
116 SHOWER	60	9	540	10	90	NR	-	80	-	-	90	N
104 LOBBY	106	10	1060	4	71	2	36	220	220	63	_	NI
TOTALS	1180				975		209	2000	1430	570	570	
AC -9 / AC -8(EX 3 TON)	000	4.0	0040	40	4500	40	4500	4000		4000	4005	1
100 LOBBY/102 WAITING	901	10	9010	10	1502	10	1502	1800		1800	1980	N
TOTALS	901				1502		1502	1800	0	0	1980	1
										<u> </u>		
MS-1							. —					1
	56	10	560	10	93	10	19					NI
WS-1 L58 IT ROOM		10	560	10		10						NI
MS-1	56 56	10	560	10	93 93	10	19 19	0		0	0	N





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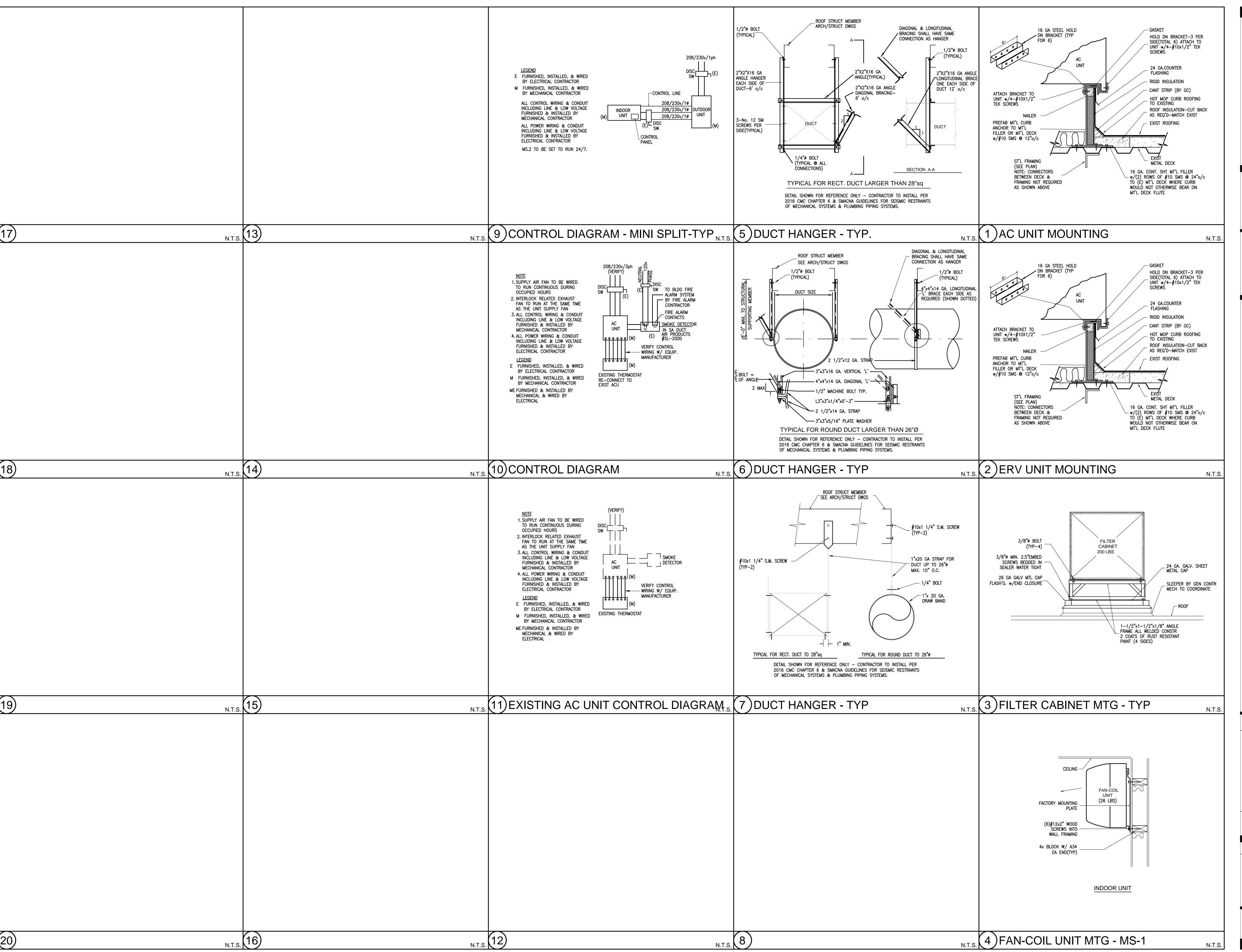
SAN JOAQUIN VALLEY PULMONARY 5801 TRUXTUN AVE, BAKERSFIELD CA 933309

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ISSUED FOR	OWNER SD SUBMITTAL	OWNER DD SUBMITTAL	OWNER CD SUBMITTAL					
DATE	07/01/19	07/31/19	08/15/19					

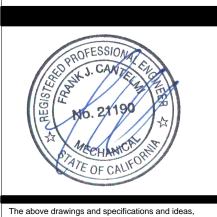
Project No. : C19-148

MECHANICAL
SCHEDULES

M4.0



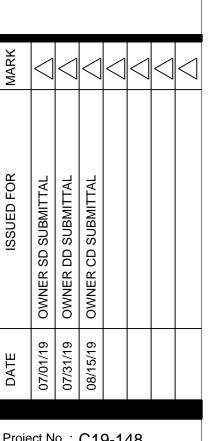




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I ENAN I IMPROVEMENTS
N JOAQUIN VALLEY PULMONARY
TRUXTUN AVE, BAKERSFIELD CA 933309



Project No. : C19-148

MECHANICAL

DETAILS

M5.0

EXIT LIGHT-CEILING

FIXTURE TYPE

A AMPERE

AB AMP BREAKER

EXISTING

EA EACH

ABAND ABANDONED

(ARROW INDICATES DIRECTION)

LETTER ADJACENT INDICATES

CONDUIT/WIRE POWER/COMM SINGLE RECEPT - - - UNDERGROUND DUPLEX RECEPT NEW POWER HOMERUN (3 HOTS & NEUT SHOWN) DUPLEX-HALF SWITCHED ISOLATED GROUND ISOLATED GROUND DOUBLE DUPLEX (E) POWER HOMERUUN WIRE LINE-CONTINUES SPECIAL CONFIGURATION CONDUIT STUB (W/MARKER) FLOORMOUNT 208V, 10 RECEPT DUPLEX-FLOOR OUTLET

SAFETY DISCONNECT

TELEPHONE FLOOR OUTLET

WIRELESS ACCESS POINT IN CEILING

PER ARCHITECTURAL REQUIREMENTS

MOUNT DEVICE ABOVE COUNTER

DATA FLOOR OUTLET

		CONDOIL STOP (M/ MARKER)
FLOORMOUNT 208V, 10 RECEPT	—	VERTICAL CONDUIT RUN
	₩-	CONDUIT SEAL
DUPLEX-FLOOR OUTLET	l	FLEXIBLE CONNECTION
GROUND FAULT CIRCUIT INTERRUPT	_ _{LV} _	LOW VOLTAGE
JUNCTION BOX		SURFACEMOUNT RACEWAY
		INDICATES LINE CONTINUES
SPECIAL SYSTEM JUNCTION BOX	p or	CORD W/PLUG
TELEPHONE OUTLET	[IDE	ALARM
DATA OUTLET	H	NORN-AUDIBLE DEVICE
PHONE/DATA COMBO OUTLET	V	VISUAL-VISUAL DEVICE
	AV	AUDIBLE/VISUAL
TELEVISION OUTLET	F	FLOW SWITCH
SAFETY DISCONNECT	I	TAMPER SWITCH
DROP CORD RECEPT	P	MANUAL PULL STATION
DROP CORD RECEPT	(3)	SMOKE DETECTOR
ABOVE-CLGMOUNT J-BOX	© D	DUCT SMOKE DETECTOR
TV_OUTLET_FLOORMOUNT	$oldsymbol{\Theta}$	HEAT DETECTOR
55.22. 125555	lacksquare	BELL

END OF LINE RESISTOR

CHIME

MISCELLANEOUS

THERMOSTAT

___ CIRCUIT BREAKER

─~ FUSIBLE SWITCH

PHASE

CLOCK

CLOCK/SPEAKER COMBINATION

WALL MOUNTED CLOCK

FLUSHMOUNT PANEL

SURFACEMOUNT PANEL

SURFACEMOUNT PANEL

MAGNETIC CONTACTOR

FLUSHMOUNT PANEL

DAMPER MOTOR

COMBINATION STARTER

SWITCHES

\$ SPST

\$2 DPST

\$3 3-WAY

\$D DIMMER

POC POINT OF CONNECTION

-PP- POWER PRIMARY

-PS- POWER SECONDARY

TIMER SWITCH

\$P W/PILOT LIGHT

\$K KEY OPERATED

\$\$ DUAL LEVEL SWITCHING

SWITCHLEG DESIGNATION

OCCUPANCY SENSOR

\$OC OCCUPANCY SENSOR SWITCH

HUMIDISTAT

MOTOR MOTOR

GENERAL LIGHTING PLAN NOTES

- DUAL LEVEL SWITCHING: IN ROOMS 100 SQ. FT. OR LARGER, OR WHERE INDICATED ON PLANS, CONTROL INBOARD LAMPS BY ONE SWITCH AND OUTBOARD LAMPS BY OTHER SWITCH - Night Light (NL) designated luminaries in interior locations shall have one ballast continuously ENERGIZED. LUMINARIES IN EXTERIOR LOCATIONS SHALL BE AUTOMATICALLY CONTROLLED TO BE ON FROM DUSK
- LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN
- REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.
- CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES. - PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING

GENERAL POWER PLAN NOTES

- FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT SERVING ISOLATED GROUND RECEPTACLES. - MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOW ON PLAN

OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL

- SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.
- DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

GENERAL COMMUNICATION PLAN NOTES

- SIGNAL AND COMMUNICATIONS SYSTEMS RACEWAYS AND BOXES: PROVIDE AND INSTALL 4" SQUARE RECESSED JUNCTION BOX WITH 1-GANG RING AND (1) 3/4" CONDUIT STUB TO ACCESSIBLE CEILING SPACE AT EACH WALL TELEPHONE (VOICE), TELEVISION AND DATA OUTLET LOCATION SHOWN ON THE PLANS UNLESS OTHERWISE NOTED. FOR EACH COMBINATION VOICE/DATA OUTLET, PROVIDE AND INSTALL (2) 3/4" CONDUIT STUBS TO ACCESSIBLE CEILING SPACE.
- BEFORE CONSTRUCTION, COORDINATE AND VERIFY ALL DATA AND TELEPHONE LOCATIONS WITH OWNER OR ARCHITECT - TELEPHONE WIRING: EACH TELEPHONE OUTLET LOCATION SHOWN ON THE PLANS SHALL HAVE A 4 PAIR, 24 GAUGE CONTINUOUS CABLE, CATEGORY 6 (BERK-TEK LANMARK SERIES OR APPROVED EQUAL), HOMERUN TO THE TELEPHONE TERMINAL BOARD "TTB" TERMINATE AT OUTLET LOCATION WITH OWNER APPROVED JACK, VERIFY LOCATIONS WITH OWNER OR ARCHITECT PRIOR TO CONSTRUCTION.
- TELEVISION PREWIRE: EACH TELEVISION OUTLET SHOWN ON THE PLANS SHALL HAVE AN RG6U (WITH QUAD SHIELD) COAXIAL CABLE HOMERUN PREWIRED TO THE CATV TERMINAL BOARD LABEL AND LEAVE ADEQUATE SLACK FOR
- VOICE/DATA WIRING: EACH VOICE/DATA OUTLET LOCATION SHOWN ON THE PLANS SHALL HAVE (4) 4 PAIR. 24 GAUGE, CATEGORY 6, UTP CABLES (BERK-TEK LANMARK SERIES OR APPROVED EQUAL) HOMERUN TO THE TELEPHONE TERMINAL BOARD. TERMINATE AT OUTLET LOCATION WITH OWNER APPROVED JACK. VERIFY SYSTEM REQUIREMENTS WITH OWNER OR ARCHITECT PRIOR TO CONSTRUCTION.
- DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

ROOF PLAN NOTES

- PROVIDE SEALTITE POWER & CONTROL CONNECTIONS TO ALL AC UNITS.
- ALL EQUIPMENT SHOWN ABOVE ROOF IS NEMA 3R.
- VERIFY EXACT EQUIPMENT LOCATIONS AND POINTS OF CONNECTION WITH MECHANICAL CONTRACTOR PRIOR TO
- CONDUIT SHOWN IS ROUTED IN CEILING SPACE BELOW ROOF DECK
- NO ROOF MOUNT CONDUIT IS ALLOWED UNLESS OTHERWISE NOTED - FUSE DISCONNECT SWITCHES PER EQUIPMENT NAMEPLATE RATING
- ALL ROOF PENETRATIONS SHALL BE MADE WITH ROOF JACKS, SEAL ALL PENETRATIONS WITH MASTIC

GENERAL NOTES

- 1. CODE COMPLIANCE ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS:
- A. CALIFORNIA CODE OF REGULATIONS TITLE 24; INCLUDES CURRENT NATIONAL ELECTRICAL CODE, UNIFORM FIRE CODE, UNIFORM BUILDING CODE, ETC. WITH CALIFORNIA AND OTHER LOCAL AMENDMENTS AS APPLICABLE.
- B. AMERICANS WITH DISABILITIES ACT (ADA)
- 2. SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKPERSONS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENT SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB
- 3. FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH-PENETRATION FIRESTOP SYSTEM AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION.
- 4. MOUNTING HEIGHTS IN INCHES ABOVE FINISH FLOOR SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

FROM BOTTOM OF PLATE +15" AFF: RECEPTACLES, TELEPHONE, TV & DATA OUTLETS TOP OF SWITCH PLATE +48" AFF: LIGHT SWITCHES +48" AFF: FIRE ALARM MANUAL PULL STATIONS, T-STATS THE LOWER OF +80" AFF OR 6" BELOW CEILING: FIRE ALARM

BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, ETC. WITH ARCHITECT OR OWNER. PLACE DEVICES LOCATED ABOVE COUNTERS, SHELVING, ETC. AND BATHROOMS SO AS NOT TO CONFLICT WITH EDGES OF WAINSCOTING, COUNTER SPLASH, SHELVING, ETC. ARCHITECTURAL SHEETS SHALL GOVERN.

- 5. LABEL PANELS, CABINETS, BACKBOARDS, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIFICALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDELIBLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT (INCLUDING PULL AND SPLICE BOXES)
- 6. EQUIPMENT ANCHORAGE: BRACE OR ANCHOR ALL ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION. USE THE FOLLOWING CRITERIA FOR DETERMINING:
- A. FIXED EQUIPMENT ON GRADE 30% OF OPERATING WEIGHT. B. FIXED EQUIPMENT ON STRUCTURE 45% OF OPERATING WEIGHT. . EMERGENCY POWER EQUIPMENT ON GRADE 40% OF OPERATING WEIGHT. D. EMERGENCY POWER EQUIPMENT ON STRUCTURE 60% OF OPERATING WEIGHT.

EXCEPTIONS: FOR FLEXIBLY MOUNTED EQUIPMENT USE 4X THE ABOVE VALUES; FOR SIMULTANEOUS VERTICAL FORCE, USEX HORIZONTAL FORCE. SEE STRUCTURAL PLANS FOR ANCHORAGE DETAILS AND WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTA INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE AUTHORITY HAVING JURISDICTION. SHOULD SAID APPROVAL BE WITHHELD, ELECTRICAL CONTRACTOR SHALL, AT NO EXTRA COST TO THE OWNER, MODIFY AND JUSTIFY INSTALLATION AS REQUIRED TO GAIN APPROVAL.

MECHANICAL SYSTEMS

- . MECHANICAL UNIT CONDUITS: TO PREVENT DAMAGE DUE TO VIBRATION, BOTH POWER AND CONTROL WIRING CONDUITS FEEDING EXTERIOR MECHANICAL UNITS SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR WITH LIQUID TIGHT FLEXIBLE TYPE AT FINAL CONNECTION TO UNIT AND BETWEEN ROOF JACK AND DISCONNECT SWITCH WHERE DISCONNECT IS MOUNTED ON UNIT. 2. NOT USED
- 3. T-STAT J-BOXES: PROVIDE AND INSTALL 4" SQUARE JUNCTION BOX WITH 1-GANG RING AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE ABOVE AT EACH THERMOSTAT LOCATION
- 4. EXHAUST FANS SHALL BE PROVIDED & INSTALLED BY MECHANICAL CONTRACTOR WITH WIRING CONNECTIONS MADE BY ELECTRICAL CONTRACTOR
- 5. MECHANICAL EQUIPMENT CONTROLS: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE WIRE AND CONNECTIONS (BELOW 120 VOLT) TO AND FROM ALL MECHANICAL CONTROL DEVICES. ALL LOW VOLTAGE CONTROL WIRE SHALL BE IN CONDUIT, UNLESS OTHERWISE
- 6. PULL ROPES: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER IF REQUIRED BY SERVING UTILITY COMPANY. ANY NEW OR EXISTING COMMUNICATION OR SIGNAL RACEWAY ROUTED BETWEEN BUILDINGS, SIGNAL CABINETS, AND/OR SIGNAL CLOSETS WITH FUTURE CAPACITY SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AS WELL AS THE CALLED FOR

FIRE ALARM SYSTEM

1. DUCT SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR. DETECTOR POWER AND SUPERVISORY WIRING AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR. MECHANICAL UNIT CONTROL (SHUTDOWN UPON DETECTOR ALARM) WIRING AND CONNECTIONS SHALL BE MADE BY MECHANICAL CONTRACTOR

EXISTING BUILDING

- 1. ANY DEMOLITION WORK SHOWN WAS PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER DOES NOT REPRESENT THAT ALL ITEMS WHICH MAY REQUIRE DEMOLITION HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND THE CONTRACT DOCUMENTS AND TO PERFORM ALL DEMOLITION AND RECONSTRUCTION WHICH MAY BE REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK
- 2. EXISTING CONDITIONS: INFORMATION SHOWN FOR EXISTING CONDITIONS WAS PRIMARILY GAINED FROM "AS BUILT" DRAWINGS AND/OR LIMITED FIELD INVESTIGATION. BEFORE BID, VISIT SITE TO VERIFY EXISTING CONDITIONS AND MAKE ALLOWANCE FOR VARIATIONS FROM THAT SHOWN
- 3. EXISTING CONDUCTORS: INTERCEPT, EXTEND, REROUTE, REPULL CONDUCTORS, SPLICE AND OTHERWISE MODIFY EXISTING CONDUCTORS OF ALL SYSTEMS AS REQUIRED TO MAINTAIN AND/OR ESTABLISH PROPER FUNCTION AND SATISFY DESIGN INTENT. REMOVE ABONDONED CONDUCTORS
- 4. EXISTING COMMUNICATIONS, DATA AND CATV AND OTHER LOW VOLTAGE TYPE SYSTEM OUTLET LOCATIONS SHOWN ON THE PLAN TO BE RELOCATED SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR. MODIFY EXISTING SYSTEM AS REQUIRED FOR FULL FUNCTION (SAME AS EXISTING) IN NEW LOCATION
- 5. WHERE EXISTING BUILDING CONSTRUCTION, MECHANICAL UNITS AND OTHER EQUIPMENT IS SHOWN TO BE REMOVED, DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL INSTALLATION
- 6. CLOSELY COORDINATE OUTAGE AND FACILITY DISRUPTION TIME WITH ARCHITECT AND OWNER. MINIMUM 72-HOUR NOTICE IS REQUIRED BEFORE ANY CIRCUIT SHUTDOWN OR DISRUPTION OF FACILITY PERSONNEL FUNCTIONING

K lassen
corporation
Architecture Construction
2021 Westwind Drive Bakersfield, CA 93301 (661) 324-3000 (661) 324-3900 Fax www.klassencorp.com



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ISSUED FOR	OWNER SD SUBMITTAL	OWNER DD SUBMITTAL	OWNER CD SUBMITTAL				
DATE	07/01/19	07/31/19	08/15/19				

Project No. : C19-148 ELECTRICAL GENERAL NOTES

KILOWATT

LC LIGHTING CONTACTOR

ABBREVIATIONS

EC ELECTRICAL CONTRACTOR

EC-# EVAPORATIVE COOLER

J-BOX JUNCTION BOX

K QUANTITY 1000

	7.07.11.0 01.12.0	EU-#	EVAPORATIVE COOLER	LU	LIGHTING CONTACTOR	5-	FUNER SECUNDARI
ABV	ABOVE	EF-#	EXHAUST FAN	LPS	LOW PRESSURE SODIUM	(R)	RELOCATE(D)
AC	ALTERNATING CURRENT	EL "	EVENING LIGHT	LRA	LOCKED ROTOR AMPS		RECEPTACLE
AC-#	AIR CONDITIONER	ELEC	ELECTRICAL	LS	LIFE SAFETY BRANCH	REF	REFRIGERATOR
ADJ	ADJACENT	EM	EMERG BATTERY BACKUP	LT	LIGHT	REQ'D	REQUIRED
AF	AMP FUSE, AMP FRAME	EMB	EMERGENCY BALLAST	LTG	LIGHTING	RLA	RATED LOAD AMPS
AFF	ABOVE FINISH FLOOR	EMERG	EMERGENCY BALLAST	LV	LOW VOLTAGE	RM	ROOM
AFG	ABOVE FINISH GRADE	EOL	END OF LINE			RMC	RIGID METAL CONDUIT
AIC	AMPERES INTERRUPTING CAPACITY		EQUIPMENT	MC	MECHANICAL CONTRACTOR	RMV	REMOVE
Al	ALUMINUM			MCA	MINIMUM CKT AMPS	RPLC	REPLACE
AS	AMP SWITCH RATING	ES	ENERGY SAVING	MCB	MAIN CIRCUIT BREAKER		RAPID START
ATS	AUTOMATIC TIME SWITCH	(EXN)	(E) IN (N) LOCATION	MCTB	MAIN CATV TERMINAL BOARD	RS SC	SIGNAL CABINET
ATS	AUTOMATIC TRANSFER SWITCH	(EXR)	(E) TO BE (R)	MCTC	MAIN CATV TERMINAL CABINET	SCC	SHORT CKT CURRENT
AV	AUDIBLE/AUDIO VISUAL	EXT	EXTERIOR	MECH	MECHANICAL		
AWG	AMERICAN WIRE GAGE	F	FLUORESCENT	MFR	MANUFACTURER	SFM	STATE FIRE MARSHAL
BFG	BELOW FINISH GRADE	(F)	FUTURE	MFS	MAIN FUSIBLE SWITCH	SHT	SHEET
		F-#	FURNACE	MH	METAL HALIDE	SL	SLIMLINE, SWITCH LEG
BIL	BASIC IMPULSE LEVEL	· " FA	FIRE ALARM	MLO	MAIN LUGS ONLY	SPEC	SPECIFICATION
BLDG	BUILDING	FACP	FIRE ALARM CONTROL PANEL	MOCP	MAXIMUM OCP	SPST	SINGLE POLE SINGLE THROW
<u>c</u>	CONDUIT	FAT	FIRE ALARM TERMINAL	MSB	MAIN SWITCHBOARD	SQ	SQUARE
C	CATV CONDUIT	FAU	FORCED AIR UNIT	MT	MOUNT	STR'G	STORAGE
CAB'T	CABINET	FBO	FURNISHED BY OTHERS	MT HT	MOUNTING HEIGHT	SURF	SURFACE
CATV	CABLE TELEVISION	FC-#	FAN COIL	MTS	MANUAL TRANSFER SWITCH	SVC	SERVICE
CB	CIRCUIT BREAKER, CODE BLUE	FLA	FULL LOAD AMPS	MTTB	MAIN TELEPHONE TERMINAL BOARD	SW	SWITCH
CBC	CA. BUILDING CODE	FLR	FLOOR	MTTC	MAIN TELEPHONE TERMINAL CABINET	T	TRANSFORMER, TERMINAL
CEC	CA. ELECTRICAL CODE		FLUORESCENT	MW	MICROWAVE	-T-	TELEPHONE CONDUIT
	CA. ENERGY COMMISSION	FS	FUSIBLE SWITCH	N	NEUTRAL (GROUNDED CONDUCTOR)	TBR	TO BE REMOVED
GF	COMPACT FLUORESCENT	FVNR	FULL VOLTAGE NON-REVERSING	(N)	NEW	TC	TIME CLOCK
CFC	CALIFORNIA FIRE CODE	G	GROUNDING CONDUCTOR	N3R	NEMA 3R	TEL	TELEPHONE
CLG	CEILING	GC	GENERAL CONTRACTOR	NC	NORMALLY CLOSED	TELCO	TELEPHONE COMPANY
CL	CENTER LINE	GD	GARBAGE DISPOSAL	NEC	NATIONAL ELECTRICAL CODE	TS	TIME SWITCH
CKT	CIRCUIT			NEMA	NAT'L ELEC MANUFACTURER'S ASSOC	TS0	TIME SWITCH OVERRIDE
CNT'R		GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NIC	NOT IN CONTRACT		TWISTED SHIELDED PAIR
C.O.	CONDUIT ONLY (W/PULLROPE)	GFI	GROUND FAULT CIRCUIT INTERRUPTER	NL	NIGHT LIGHT	ТТВ	TELEPHONE TERMINAL BOARD
COND	CONDUIT, CONDUCTOR	GND	GROUND	NO	NORMALLY OPEN	ПС	TELEPHONE TERMINAL CABINET
CR	CRITICAL BRANCH	GRS	GALVANIZED RIGID STEEL	NPF	NORMAL POWER FACTOR	TX	TRANSFORMER
CSFM	CALIFORNIA SFM	GWS	GANG WITH SWITCH	NTS	NOT TO SCALE	TYP	TYPICAL
CT	CURRENT TRANSFORMER	Н	HEIGHT, HIGH	ОС	ON CENTER		TYPICAL SIMILAR
CU	COPPER	HACR	HEATING, AC & REFRIG	OCP	OVERCURRENT PROTECTION		
CU-#	CONDENSING UNIT	HH	HALF HOT	OD	OUTSIDE DIAMETER	UC	UNDERCABINET, UNDERCOUNTER
		HID	HIGH INTENSITY DISCHARGE	OH	OVERHEAD	UG	UNDERGROUND
D	DEPTH CHERENT	НО	HIGH OUTPUT	OSA	OFFICE of the STATE ARCHITECT	UGPS	UNDERGROUND PULL SECTION
DC	DIRECT CURRENT	HOA	HAND-OFF-AUTO	OSHPD	OFFICE of STATEWIDE HEALTH	UL	UNDERWRITERS LABORATORIES
DF	DRINKING FOUNTAIN	HP	HORSEPOWER		PLANNING & DEVELOPMENT	UON	UNLESS OTHERWISE NOTED
DIA	DIAMETER	HPF	HIGH POWER FACTOR	OVLD	OVERLOAD	USA	UG SVC ALERT 800-642-24444
DISC	DISCONNECT	HPS	HIGH PRESSURE SODIUM	P	POLE	V	VOLT
DIST	DISTRIBUTION	IC	INTERCOM	PA	PUBLIC ADDRESS	VA	VOLT AMPERES
DPST	DOUBLE POLE SINGLE THROW	ID	IDENTIFICATION	PB	PULLBOX	VAC	VOLT ALTERNATING CURRENT
DW	DISHWASHER	IF	INSIDE FROST	PC	PULL CHAIN	VHO	VERY HIGH OUTPUT
EM	EMERGENCY	 IG	ISOLATED GROUND	PC	PHOTOCELL		
/E\	EVICTING	1 5014	""	10	INVIOULL		

PNL PANEL

PHASE

E1.0

Klassen

corporation

2021 Westwind Drive Bakersfield, CA 93301

designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other

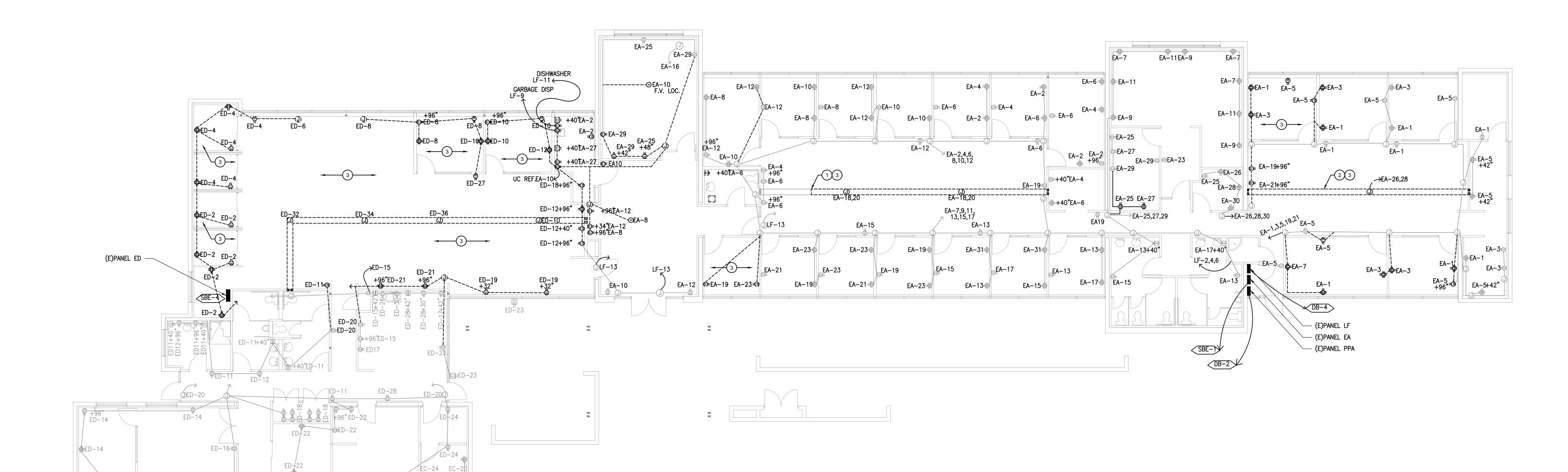
than the specific project for which they have been prepared and developed without the written consent

of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence

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(661) 324-3000 (661) 324-3900 Fax www.klassencorp.com

Architecture Construction



ELECTRICAL DEMOLITION KEYNOTES

1) DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED RECEPTACLE

1) DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED RECEPTACLE WITH WALKERDUCT UP TO THIS POINT, RELOCATE/RE-ROUTE EXISTING J-BOX FOR FURNITURE POWER OUTLET CONNECTION, SEE ARCHITECTURAL PLAN FOR EXACT LOCATION. SEE GENERAL ELECTRICAL DEMOLITION NOTES.

REMOVE EXISTING FLOOR MOUNTED WALKERDUCT AND ALL ASSOCIATED ITEMS. REPAIR/ PATCH FLOOR TO MATCH EXISTING, SEE ARCHITECTURAL FOR FLOOR FINISH. FIELD VERIFY EXISTING

3 DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES AND POWER DEVICES IN THIS AREA AS SHOWN. REMOVE EXISTING CIRCUITRY (WIRING) AND CONDUIT BACK TO PANEL AND DISCARD (UNLESS IT CAN BE REUSED). INSTALL NEW RECEPTACLES AND POWER DEVICES AS SHOWN ON POWER PLAN. PROVIDE BLANK COVER PLATES FOR EMPTY GANG BOXES.

ELECTRICAL GENERAL NOTES

CONTRACTOR TO TAKE 3 DAY READ OF EXISTING ELECTRICAL

PANEL. FIELD VERIFY EXISTING CIRCUIT LOAD.

GENERAL ELECTRICAL DEMOLITION NOTES

DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS. VISIT THE EXISTING BUILDING PRIOR TO BID IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND IN ORDER TO AVOID CONFLICTS.

DASHED ITEMS: ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS ARE EXISTING AND SHALL BE REMOVED COMPLETE INCLUDING BOXES, CONDUIT, WIRE, FASTENERS, AND ASSOCIATED APPURTENANCES UON.

SOLID ITEMS: ALL ITEMS SHOWN SOLID ON DEMOLITION PLANS ARE EXISTING

TO REMAIN. EXISTING CIRCUITING TO REMAIN SHALL BE REROUTED OR RECONNECTED, AS REQUIRED, WHERE AFFECTED BY NEW WORK IN ORDER TO MAINTAIN CONTINUITY OF CIRCUIT.

EXISTING CONDUIT: ALL EXISTING CONDUITS AND WIRING THAT WILL NOT BE

REUSED SHALL BE REMOVED WHERE THEY WILL BE EXPOSED UPON COMPLETION OF NEW WORK. EXISTING CONDUIT TO REMAIN CONCEALED IN WALLS SHALL BE ABANDONED. EXISTING CONDUIT TO REMAIN BELOW FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW ROUGH FLOOR AND GROUTED FLUSH. ALL EXISTING WIRING CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM POWER SOURCE AND REMOVED.

REPAIR DAMAGE: EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR AT NO ADDITIONAL COST TO OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/ OR EQUIPMENT TO REMAIN.

ASSOCIATED APPURTENANCES: REMOVE ALL ELECTRICAL APPURTENANCES (DISCONNECT, STARTERS, WIRING, CONDUIT, ETC.) ASSOCIATED WITH EQUIPMENT TO BE REMOVED BY OTHERS.

KNOCKOUT PLUGS AND COVERS: ALL CONDUIT REMOVED SHALL BE REMOVED IN ITS ENTIRELY, INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE, ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF THE EQUIPMENT AND / OR DEVICES.

DEMOLISHED MATERIALS: ALL MATERIALS REMOVED UNDER DEMOLITION, NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

SCHEDULE OUTAGES: ALL WORK AND ALL POWER OUTAGES IN THE EXISTING BUILDING SHALL BE SCHEDULED AT TIMES CONVENIENT TO THE OWNER.

NOTIFICATION: NOTIFY THE OWNER PRIOR TO TURNING OFF ANY CIRCUITS.

EXISTING CIRCUITS: IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED BY THE CONTRACTOR THAT AN EXISTING CIRCUIT BECOMES SPARE, THE CONTRACTOR SHALL UPDATE THE PANEL BOARD DIRECTORY TO INDICATE SUCH, EVEN IF IT IS NOT EXPLICITLY MARKED ON THE ELECTRICAL PLANS.

E.C. SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, (WHICH INCLUDES BUT NOT LIMITED TO DEVICES, FIXTURES, WIRING (CIRCUIT), CABLING, CONDUIT, ETC.), AS DESCRIBED AND SHALL GIVE THE OWNER AN OPPORTUNITY TO KEEP DEMOLISHED ELECTRICAL EQUIPMENT PRIOR TO THEM BEING DISCARDED.



| ED-16 ED-16 ED-16 | | €ED-16

EC-3 EC-50

(E)PANEL PPB -

(E)PANEL SBE

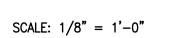
- (E)PANEL EC

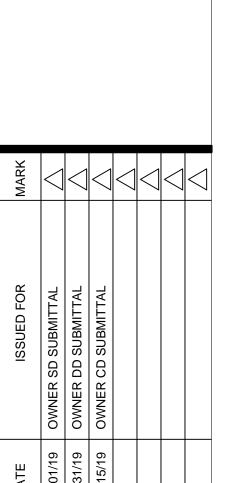
– (E)PANEL DB

E¢-2,4,6

(E)PANEL PS

#





Project No. : C19-148

POWER
DEMOLITION FLOOR
PLAN

LIGHTING DEMOLITION FLOOR PLAN

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



1

E.C. SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, (WHICH INCLUDES BUT NOT LIMITED TO DEVICES, FIXTURES, WIRING (CIRCUIT), CABLING, CONDUIT, ETC.), AS DESCRIBED AND SHALL GIVE THE OWNER AN OPPORTUNITY

TO KEEP DEMOLISHED ELECTRICAL EQUIPMENT PRIOR TO THEM BEING



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\geq 80

Project No.: C19-148 LIGHTING DEMOLITION FLOOR

LIGHTING CONTROLS SCHEDULE

* ALL EXTERIOR LIGHT FIXTURES SHALL BE DARK SKY COMPLIANT AND SHALL NOT EXCEED BUG RATING REQUIREMENTS AS SHOWN IN TABLE 5.106.8 OF THE CALIFORNIA ENERGY CODE.

CONTRACTOR TO FURNISH AND INSTALL NEW LIGHTS, LIGHTING CONTROL AND DIMMABLE SWITCH TYPICAL ALL ROOM. OCCUPANCY SENSOR SWITCH AT RESTROOM TYPICAL.

SYMBOL

nLIGHT DAISY—CHAIN BRIDGE
WHERE REQUIRED, COORDINATE w/MANUFACTURER
MOUNT CONCEALED ABOVE CEILING
COMMUNICATIONRJ45 "CAT—5 BUS"
MANUFACTURER:nLIGHT #PDT—10

CONTROL INTERFACE AND GATEWAY w/TIME SCHEDULING
ONE PER BUILDING — WALL MOUNT

COMMUNICATIONRJ45 "CAT-5 DAISY-CHAIN BUS"
MANUFACTURER: nLIGHT #GWY2 KIT

CONTROLLED RELAY FOR CONTROLLED RECEPTACLES
FOR CONTROLLED RECEPTACLES IN OFFICE AREAS
MOUNT CONCEALED ABOVE CEILING — 16A MAX
COMMUNICATION:RJ45 "CAT-5 BUS"
MANUFACTURER: nLIGHT #nSP16

DIMMING RELAY PACK FOR CONTROLLED LIGHTS

MOUNT CONCEALED ABOVE CEILING — 16A MAX COMMUNICATIONRJ45 "CAT—5e BUS" MANUFACTURER:ACUITYCONTROLS #nPS 80 EZ

SYMBOL

DESCRIPTION AND MANUFACTURER

OCCUPANCY SENSOR CEILING MOUNT - 360° SENSING ANGLE

DAYLIGHT SENSOR CEILING MOUNT IN DAYLIGHT AREA

COMMUNICATIONRJ45 "CAT-5 DAISY-CHAIN BUS" MANUFACTURER:nLIGHT #PDT-10

COMMUNICATIONRJ45 "CAT-5 DAISY-CHAIN BUS"
MANUFACTURER:nLIGHT #nCM-ADC

DIGITAL FOUR SCENE LIGHT SWITCH
COLOR TO MATCH WALL FINISH - WH=WHITE, IV=IVORY,
AL=LIGHT ALMOND, GR=GREY, BK=BLACK
COMMUNICATIONRJ45 "CAT-5 DAISY-CHAIN BUS"
MANUFACTURER:nLIGHT #nPODM-4P-DX-WH

DIGITAL FOUR SCENE LIGHT SWITCH
COLOR TO MATCH WALL FINISH - WH=WHITE, IV=IVORY,
AL=LIGHT ALMOND, GR=GREY, BK=BLACK
COMMUNICATIONRJ45 "CAT-5 DAISY-CHAIN BUS"
MANUFACTURER:nLIGHT #nWSX-LV-DX-WH

Project No.: C19-148 LIGHTING FLOOR PLAN

EXAM I.T. ROOM 147 131 **WAITING** -**OFFICE OFFICE** 102 132 146 BILLING / COMM. OFFICE EXAM **EXAM EXAM** EXAM **EXAM** 139 138 MEDICAL INFUSION **MARKETING** 137 136 135 133 _DIRECTOR _RECORDS 109 103 **BEDROOM** BEDROOM 111 113 RECORDS 154 **BEDROOM** 117 STORAGE 153 **BEDROOM** 118 115 LAUNDRY 119 STORAGE HALL DRUG CLOSET **EXAM** X-RAY ROOM \$HOWER 110 120 LF-30 149 134 151 125 (H)-STORAGE CHECKOUT LOBBY **EXAM EXAM** EXAM MEN'S -- JANITOR **EXAM** 106 124 X-RAY VIEWING 129 121 RECEP. 127 150 143 104 126 WOMEN'S ROOM MONITORING 101 144 152 107 **EXAM** 128 108 11 12 (13) 4 (14)

LIGHTING FLOOR PLAN

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

		LIGHT FIXTURE SCHEDULE	VOLTAGE: 120V (U.O.N.)
TYPE	INPUT WATTS	DESCRIPTION AND MANUFACTURER	REMARKS
		LED EXIT/EMERGENCY UNIT COMBO (INTERIOR EXIT DOOR)	90 MIN EM LIGHT
X1	3.8	VOLTAGE: MULTI-VOLT LAMP: (2) 4.12W LED MANUFACTURER: COMPASS - CCR LED	- - -
		EGRESS LIGHT — EXTERIOR	90 MIN EM LIGHT
X2	12	VOLTAGE: MULTI VOLT LAMP: LED MANUFACTURER: DUAL PG	- - -
V7		LED EGRESS LIGHT	90 MIN EM LIGHT
X3	.92	VOLTAGE: MULTI-VOLT LAMP: LED MANUFACTURER: COMPASS — CU2SD	
F1	48	2x2 RECESSED LIGHT VOLTAGE: 120 LAMP: LED MANUFACTURER: LITHONIA LIGHTING MODEL #2AVL2-40LSE-MVOLT-EZ1-LP840-N80	E INDICATE EM LIGHT 90 MIN EM LIGHT OPTION E10WLCP
F2	34.8	4" CAN LIGHT VOLTAGE: 120 LAMP: LED MANUFACTURER: LITHONIA LIGHTING MODEL #LDN4-35-15-L04AR-LSS-MVOLT-EZ1-N80	E INDICATE EM LIGHT 90 MIN EM LIGHT OPTION ELSD
F3	32	2x2 SURFACE MOUNT VOLTAGE: 120 LAMP: LED MANUFACTURER: LITHONIA LIGHTING MODEL #2BLTX2-40L-MVOLT-EZ1-LP840-N80	E INDICATE EM LIGHT 90 MIN EM LIGHT OPTION E10WLCP - -
F4	16.4	SURFACE MOUNT VOLTAGE: 120 LAMP: LED MANUFACTURER: PRESCOLITE LIGHTING MODEL #LBSQLEDA10L—30K8	E INDICATE EM LIGHT 90 MIN EM LIGHT OPTION E10WLCP
F5	10.85	SURFACE MOUNTED WRAPAROUND VOLTAGE: 120 LAMP: LED MANUFACTURER: COLUMBIA #LAWS-35ML-EU	
F6	47	2x4 RECESSED LIGHT VOLTAGE: 120 LAMP: LED MANUFACTURER: LITHONIA LIGHTING MODEL #2AVL4-4OLSE-MVOLT-EZ1-LP840-N80	E INDICATE EM LIGHT 90 MIN EM LIGHT OPTION E10WLCP - -
F7	34.8	4" CAN LIGHT VOLTAGE: 120 LAMP: LED MANUFACTURER: LITHONIA LIGHTING MODEL #LDN4-35-15-L04AR-LSS-MVOLT-EZ1-N80	E INDICATE EM LIGHT 90 MIN EM LIGHT OPTION E10WLCP

* ALL EXTERIOR LIGHT	FIXTURES SHALL	BE DARK SKY COMPLIANT	AND SHALL NOT EXCEED	BUG RATING REQUIREMENTS
AS SHOWN IN TABLE	5.106.8 OF THE	CALIFORNIA ENERGY CODE	-	

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

POWER FLOOR PLAN





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TENANT IMPROVEMENTS
SAN JOAQUIN VALLEY PULMONARY
5801 TRUXTUN AVE, BAKERSFIELD CA 93330

DATE ISSUED FOR MARK
7/01/19 OWNER SD SUBMITTAL
7/31/19 OWNER DD SUBMITTAL
8/15/19 OWNER CD SUBMITTAL

Project No. : C19-148

POWER FLOOR
PLAN

E5.0

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

ELECTRICAL ROOF PLAN





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SAN JOAQUIN VALLEY PULMONARY
5801 TRUXTUN AVE, BAKERSFIELD CA 93330

MARK	\triangleleft	\triangleleft	\triangleleft	\triangleleft	\triangleleft	\triangleleft	\triangleleft
ISSUED FOR	OWNER SD SUBMITTAL	OWNER DD SUBMITTAL	OWNER CD SUBMITTAL				
DATE	07/01/19	07/31/19	08/15/19				

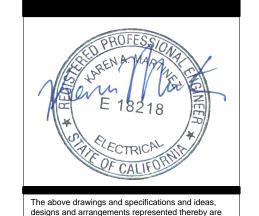
Project No. : C19-148

ELECTRICAL

ROOF PLAN

E6.0



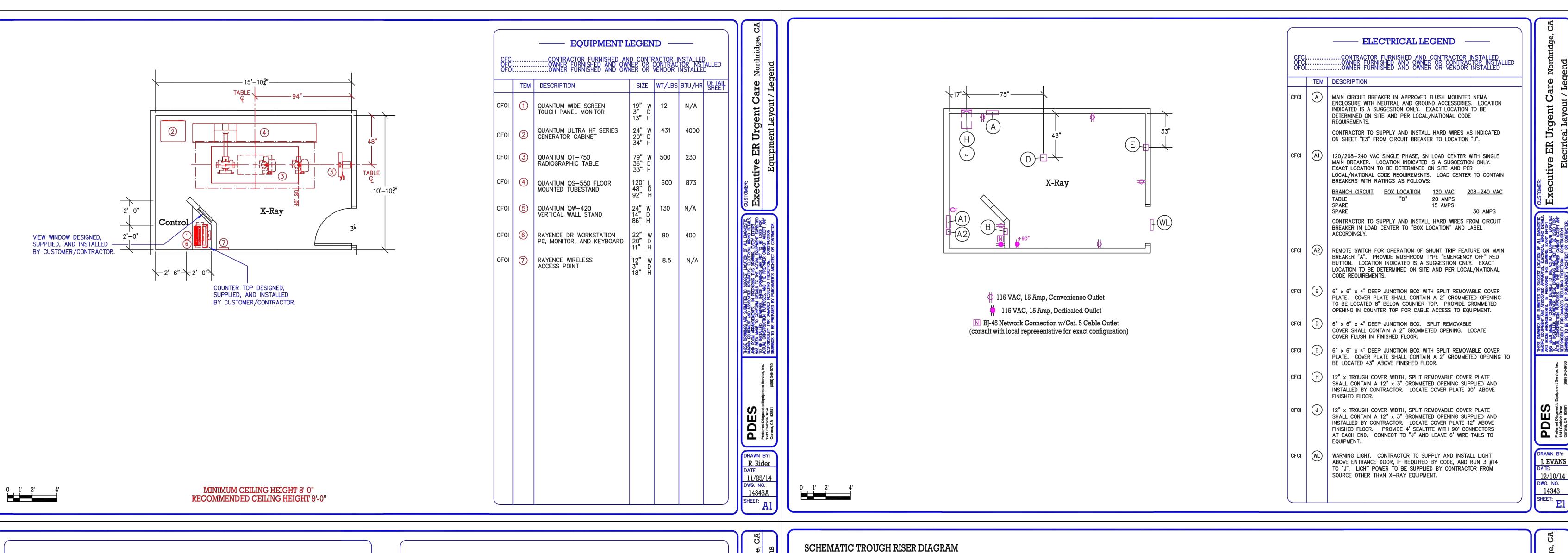


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Project No. : C19-148 PARTIAL ELECTRICAL PLAN, PDES PLAN

12/10/14 DWG. NO.

NO SCALE



INCOMING POWER REQUIREMENTS FOR X-RAY GENERATOR:

QUANTUM ULTRA HF QG-50 GENERATOR:

SELECT PROPER INCOMING VOLTAGE, DISTRIBUTION TRANSFORMER, WIRE SPECIFICATIONS, AND MAIN CIRCUIT BREAKER FROM THIS CHART BASED UPON AVAILABLE POWER SOURCE AT THE FACILITY

					-	
THREE PHASE INCOMING VOLTAGE	MAIN FACILITY DIST XFMR	INCO <u>≤</u> 50'	MING WI ≤100'	RE SIZE <u>≤</u> 200'	WIRING FROM FACILITY XFMR TO MAIN BREAKER IN X—RAY ROOM	X-RAY ROOM MAIN BREAKER
208 VAC	65 KVA	# 0	#000	250MCM	0.014 OHMS IMPEDANCE	110 AMP

NOTE: VOLTAGE IS Y-CONFIGURATION, MEASURED LINE-TO-LINE,

BALANCED TO NEUTRAL. GROUND WIRE SIZE IS #4 AWG.

VOLTAGE FLUCTUATION ±5% FULL LOAD.

ALL WIRES TO BE THHN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT, UNLESS

TO ROOM MAIN BREAKER NOT TO EXCEED 200'.

OTHERWISE NOTED. MAXIMUM LENGTH FROM DISTRIBUTION TRANSFORMER

CONTRACTOR SUPPLIED AND INSTALLED WIRING FROM MAIN CIRCUIT BREAKER "A" IN X-RAY ROOM TO X-RAY GENERATOR CABINET "J":

> DISTANCE 208 VAC 0'-15' MAX

NOTE: IF LENGTH OF RUN FROM "A" TO "J" EXCEEDS 15', INCREASE WIRE SIZE PROPORTIONALLY

SPECIAL GROUNDING:

A SPECIAL GROUNDING SYSTEM IS REQUIRED IN DIAGNOSTIC ROOMS BY SOME STATE AND LOCAL CODES. IT IS STRONGLY RECOMMENDED IN AREAS WHERE ELECTRICALLY SUSCEPTIBLE PATIENTS MAY BE EXAMINED OR TREATED UNDER PRESENT, FUTURE, OR EMERGENCY CONDITIONS. CONSULT THE GOVERNING ELECTRICAL CODE AND CONFER WITH APPROPRIATE HOSPITAL ADMINISTRATIVE PERSONNEL TO DETERMINE THE AREAS REQUIRING THIS GROUNDING SYSTEM. IF SUCH A SYSTEM IS REQUIRED, CONTRACTOR TO DESIGN AND INSTALL GROUNDING SYSTEM AND INCLUDE ALL METAL OBJECTS AND FIXTURES, OTHER THAN DIAGNOSTIC X-RAY EQUIPMENT.

IMPORTANT POWER NOTES:

POWER LINES FOR X-RAY SYSTEMS SHALL BE DEDICATED LINES RUN FROM NEAREST HOSPITAL MAIN DISTRIBUTION TRANSFORMER. UNDER NO CIRCUMSTANCES SHALL ANY OTHER ELECTRICAL EQUIPMENT BE CONNECTED TO THESE LINES NOW OR IN THE FUTURE.

NO TRANSIENTS (IMPULSES FROM 0.5 TO 800 MICROSECONDS) THAT EXCEED 30% OF NOMINAL PEAK LINE VOLTAGE AS MEASURED BY A DRANETZ POWER LINE ANALYZER (MODEL 606B OR EQUIVALENT) WITH THE SYSTEM IN STANDBY SHALL OCCUR.

B. TRANSIENTS EQUAL TO OR LESS THAN 30% OF NOMINAL PEAK LINE VOLTAGE SHALL NOT OCCUR

MORE THAN ONCE PER HOUR OR EXCEED MORE THAN 12 IMPULSES PER 24-HOUR PERIOD.

65 KVA, 208 VAC, THREE PHASE, 60 HZ, INCOMING LINE TO MAIN DISCONNECT "A" WITH ±5% VOLTAGE REGULATION UNDER INTERMITTENT, NO LOAD TO FULL LOAD CONDITIONS

D. ELECTRICAL GROUNDING RESISTANCE LESS THAN 10 OHMS.

IF ANY OF THE ABOVE POWER SPECIFICATIONS REGARDING LINE TRANSIENTS, NOMINAL LINE VOLTAGE, AND VOLTAGE REGULATION CANNOT BE MET, THE FOLLOWING CORRECTIVE ACTION MUST BE TAKEN:

A. NOISE AND TRANSIENTS

TRANSIENTS AND NOISE SHALL BE REMOVED BY THE USE OF A TRANSIENT SUPPRESSOR AND/ OR ISOLATION TRANSFORMER (EITHER FARADAY TYPE OR ULTRA-HIGH TYPE) DEPENDING ON THE SEVERITY OF THE PROBLEM.

B. NOMINAL LINE VOLTAGE

LINE REQUIREMENTS:

A LINE MATCHING TRANSFORMER MUST BE UTILIZED.

C. VOLTAGE REGULATION A REGULATION TRANSFORMER OR LINE CONDITIONER DEPENDING ON THE SEVERITY OF THE NO LOAD TO FULLLOAD CONDITIONS.

D. GROUNDING

DEPENDING UPON THE SEVERITY OF THE PROBLEM, INCREASE GROUND RUNS TO FACILITY DISTRIBUTIONPOINT OR IN SEVERE CONDITIONS, NEW GROUND RODS TO BE INSTALLED AS

DRAWN BY:

12/10/14

10" x 3.5" TROUGH~ ABOVE CEILING INCOMING POWER TO X-RAY 10" x 3.5" TROUGH EQUIPMENT BY CONTRACTOR.

SEE NOTES AND LOAD CENTER
DESCRIPTION ON SHEET "E1". FLUSH IN WALL INCOMING POWER TO X-RAY GENERATOR BY CONTRACTOR. SEE NOTES AND MAIN BREAKER DESCRIPTION ON SHEET "E3". (3#12)

NOTE: CONDUIT RUNS SHOWN SCHEMATICALLY. BUILDING CONDITIONS WILL DETERMINE ACTUAL CONDUIT RUNS. KEEP ALL RUNS AS SHORT AS POSSIBLE. ALL CONDUIT SIZES MUST MEET LOCAL AND NATIONAL CODE REQUIREMENTS.

PREFACE

These drawings have been prepared to provide siting, electrical, mechanical and environmental specifications required to accomodate the installation and operation of diagnostic imaging equipment and sub-components illustrated.

The layout(s) provides for components purchased from and/or provided by the equipment Vendor and shall serve as a guide for installation by the local Service/Installation Representatives.

Information in this drawing package relating to building/facility specifications that will support Vendor components such as electrical, structural, mechanical, and environmental requirements, shall be utilized as a guide by the Customer's Architect and/or Contractor. Facility conditions will dictate actual construction methods and materials applied. However, ALL methods and materials must comply with Vendor specifications, as well as Local and/or National Building Codes having jurisdiction.

The quality of construction methods, materials, and conformance to vendor specifications and tolerances will affect equipment performance.

DISCLAIMER

These drawings are REFERENCE DRAWINGS only, illustrating general equipment layout and facility-related equipment requirements. The information contained in these drawings is provided for the use of Customers and/or their designated Architects, Engineers, or other Design/Construction professionals in the preparation of official construction documents. The equipment Vendor and preparer of these drawings makes no warranty or representation, either express or implied, with respect to the attached drawings, and in no event will either be liable for any direct, indirect, special, incidental, or consequential damages resulting in any manner from use of the attached drawings.

These drawings are provided with the understanding that providing such drawings does not alter any of the terms and conditions of sale between equipment Vendor and Customer.

These drawings are NOT TO BE USED AS CONSTRUCTION DOCUMENTS. It is the responsibility of the Customer or his/her designate to insure the correct siting and placement of all purchased diagnostic equipment based on these reference drawings. The Customer or his/her designate shall be responsible for the complete and accurate incorporation of all specifications and requirements from these reference drawings into official construction drawings and documents for use in the preparation of the site.

The attached drawings are subject to change without notice. This disclaimer may not be modified by anyone other than the preparer.



AUTHORIZED DEALER:

Preferred Diagnostic Equipment Service, Inc. 1241 Carbide Drive Corona, CA 92881

PREPARED FOR:

Executive ER Urgent Care
Northridge, CA

PREPARED BY:

Medical Design, Inc.
1251 Eugenia Terrace Lawrenceville, GA 30046

DRAWING INDEX			REV	DAT
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SCHEMATIC TROUGH RISER DIAGRAM	-	E4	-	12/10

14343

GENERAL NOTES:

ALL WORK EXCEPT INSTALLATION OF DIAGNOSTIC IMAGING EQUIPMENT IS TO BE DONE BY OTHERS THAN EQUIPMENT VENDOR. PURCHASER, AT HIS EXPENSE, SHALL EMPLOY A REGISTERED PHYSICIST TO SPECIFY AND TEST ALL RADIATION PROTECTION REQUIRED.

PLIBCHASER OR HIS CONTRACTOR IS RESPONSIBLE FOR VERIEVING ALL PASSAGE OPENINGS ARE ADEOLIATE FOR THE TRANSPORTATION OF DIAGNOSTIC IMAGING EQUIPMENT FROM SHIPPING VAN INTO EXAM ROOM, AND IS RESPONSIBLE FOR ANY RIGGING, SPECIAL HANDLING, OR FACILITY MODIFICATIONS NECESSARY TO

CUSTOMER TO PROVIDE A DUST FREE, AIR CONDITIONED, AND HUMIDIFIED ENVIRONMENT FOR THE STORAGE OF ALL DIAGNOSTIC IMAGING FOLIPMENT IF THE

CUSTOMER TO PROVIDE A LOCKABLE STORAGE AREA IN OR NEAR THE PROPOSED ROOM FOR STORAGE OF TOOLS AND TEST EQUIPMENT USED BY SERVICE

PROPOSED INSTALLATION SITE IS NOT COMPLETE AT THE TIME OF EQUIPMENT DELIVERY. CUSTOMER IS RESPONSIBLE FOR DELIVERY OF EQUIPMENT FROM STORAGE TO THE PREPARED SITE AS NEEDED. LIGHTING FIXTURES, VENTS, SPRINKLERS, ETC. TO BE FLUSH WITH FINISHED CEILING.

ANY BACKING REQUIRED SHALL BE A MINIMUM THICKNESS OF 1/2" (WOOD) OR 3/16" (STEEL) SECURED TO A MINIMUM OF THREE STUDS WITH THE FACE OF THE BACKING FLUSH WITH THE LINE OF STUDS. ALL BACKING SHALL EXTEND A MINIMUM OF 4" ABOVE AND 4" BELOW MOUNTING POINTS. ALL CEILINGS TO BE 2' x 4' LIFT-OUT PANELS OF MATERIAL ACCEPTABLE TO CODES IF APPROVED BY CODES. LEAVE 12" MINIMUM ABOVE CEILING TILES FOR

ALL DIMENSIONS ARE FROM FINISHED SURFACES UNLESS OTHERWISE INDICATED ON THESE PLANS. CONTACT EQUIPMENT VENDOR OR DESIGNATED REPRESENTATIVES SHOULD ACTUAL ROOM DIMENSIONS VARY FROM THOSE INDICATED ON THESE DRAWINGS. ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL BUILDING CODES THAT HAVE JURISDICTION.

MODIFICATIONS SHALL NOT BE MADE TO THESE DRAWINGS OR ANY CONSTRUCTION CHANGES APPROVED WITHOUT WRITTEN CONSENT FROM AN AUTHORIZED EQUIPMENT VENDOR PERSONNEL OR ITS DESIGNATED REPRESENTATIVE.

PURCHASER OR HIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PLUMBING, WALL, FLOOR, OR CEILING REINFORCING UNISTRUT, ELECTRICAL CONDUIT, RECEPTACLES, WIRE, MAIN SWITCHES, PANEL BOARDS, JUNCTION BOXES AND COVER PLATES, BUSHINGS, WIRE OR CABLE DUCT, OR TROUGH SPECIFIED OR REQUIRED FOR THE SATISFACTORY INSTALLATION OF DIAGNOSTIC IMAGING EQUIPMENT.

ANY DETAILS SHOWN IN THESE DRAWINGS ARE SAMPLE DETAILS BASED UPON STANDARD BUILDING PRACTICES AND ARE NOT INTENDED FOR CONSTRUCTION USE. ACTUAL CONSTRUCTION DETAILS, LOADING FACTORS, SPECIFICATIONS, AND ALL CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER AT

INSTALLATION OF DIAGNOSTIC IMAGING EQUIPMENT WILL NOT COMMENCE UNTIL THE PROPOSED SPACE MEETS ALL THE REQUIREMENTS INDICATED WITHIN THIS SET OF DRAWINGS AND / OR REQUIRED BY CODES. THE PROPOSED SPACE MUST BE DUST FREE, AIR CONDITIONED, AND HUMIDIFIED AS REQUIRED. FILM PROCESSING MUST BE READILY AVAILABLE FOR EQUIPMENT CALIBRATION AND TESTING.

EXAM ROOM FLOOR UNDER ALL FLOOR MOUNTED X-RAY EQUIPMENT SHALL BE FLAT AND LEVEL TO WITHIN 0.125" IN ALL DIRECTIONS IN A 10' SPAN.

SITE PREPARATION REQUIREMENTS:

A SMOOTH EFFICIENT INSTALLATION IS VITAL TO THE EQUIPMENT VENDOR AND ITS CUSTOMERS. THE FOLLOWING ARE THE MINIMUM REQUIREMENTS WHICH MUST BE MET PRIOR TO EQUIPMENT INSTALLATION: 1. ALL WALLS TO BE PAINTED OR PAPERED, BASEBOARDS INSTALLED, FLOORS TILED OR COVERED, AND CEILING PANELS AND LIGHT FIXTURES, LIGHT

- 2. ALL DOORS, WINDOWS, AND PROTECTIVE BARRIERS INSTALLED WITH ALL HARDWARE OPERATIONAL.
- ELECTRICAL SYSTEM INCLUDING MAINSWITCHES, LOAD CENTERS, JUNCTION BOXES, CONDUITS, WIRES, DUCTS, RACEWAYS, RECEPTACLES, AND
- INCOMING POWER SUPPLIES CONNECTED TO X-RAY MAINSWITCH AND LOAD CENTER. ALL BRANCH CIRCUIT BREAKERS AND BRANCH WIRING INSTALLED,
- 5. ROOM LIGHTING INSTALLED AND OPERATIONAL. PROVIDE ALL NECESSARY CONTACTORS AND SWITCHES REQUIRED FOR LIGHT SWITCHES/DIMMERS
- 6. ALL CONVENIENCE OUTLETS INSTALLED AND OPERATIONAL.
- OVERHEAD SUPPORT SYSTEM PROPERLY INSTALLED WITH BOTTOM MEMBERS LEVEL TO WITHIN 1/16", PARALLEL, AND FREE OF DEFLECTION IN ALL
- 8. ALL CONTRACTOR SUPPLIED WIRES OR CABLES PULLED, TAGGED, AND TERMINATED.

LABELED, AND TERMINATED BY CONTRACTOR.

- 9. DUST-FREE ENVIRONMENT WITHIN AND SURROUNDING THE PROCEDURE ROOM.
- 10. COMPLETE OPERATIONAL HVAC (HEATING, VENTILATING, AND AIR CONDITIONING) SYSTEM WITHIN SPECIFICATIONS LISTED OR REQUIRED TO MAINTAIN
- 11. ALL ARCHITECTURAL ITEMS FINISHED AND OPERATIONAL INCLUDING CASEWORK, SINKS, DOORS, RAISED FLOORING, WINDOWS, AND WALL SUPPORTS.
- 13. EQUIPMENT VENDOR DOES NOT INSTALL LEAD PROTECTIVE SCREENS, PANELS, OR LEAD GLASS WINDOWS AND FRAMES. THIS WORK IS TO BE PERFORMED BY THE CUSTOMER OR HIS CONTRACTOR.

ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL BOXES, CONDUITS, DUCT, WIRE, MAIN SWITCHES, ETC. REQUIRED TO MAKE THE X-RAY SYSTEM OPERATIONAL WITHIN THE SPACE PROVIDED.

ALL WIRES TO BE TYPE THHN, OR THW STRANDED COPPER UNLESS OTHERWISE NOTED. CONDUIT AND DUCT RUNS ARE SHOWN SCHEMATICALLY. ACTUAL BUILDING CONDITIONS WILL DETERMINE CONDUIT AND DUCT ROUTES. MAKE THE MOST DIRECT ROUTE POSSIBLE FOR THE SHORTEST POINT TO POINT DISTANCES BETWEEN OPENINGS.

CONDUIT TURNS TO HAVE LARGE, SWEEPING BENDS WITH MINIMUM RADIUS AS SPECIFIED IN NEC ART. 346-10. 90° ELBOWS ARE

ELECTRICAL CONTRACTOR TO PROVIDE 120 VAC CONVENIENCE OUTLETS WITHIN 10' OF ALL X-RAY EQUIPMENT INDICATED. ADDITIONAL OUTLETS MAY BE REQUIRED BY CODE. CONSULT CODES FOR REQUIREMENTS AND OUTLET PLACEMENT ABOVE FLOOR OR COUNTER TOPS AS REQUIRED.

ELECTRICAL CONTRACTOR TO PROVIDE 10'-0" WIRE TAILS FOR ALL WIRES UNLESS OTHERWISE SPECIFIED AND IDENTIFY BOTH ENDS

PROVIDE REMOVABLE COVERS FOR ALL BOXES AND LEAVE PULL WIRE IN ALL CONDUITS. ALL CONDUITS INDICATED ON THESE DRAWINGS SHALL CONNECT TO THE CONTROL CABLE SIDE (LARGE AREA) OF TROUGH UNLESS

CONTRACTOR MAY USE AND OR ADAPT ALL EXISTING CONDUITS, BOXES, WIRES, MAIN SWITCHES, ETC., WHERE POSSIBLE.

ALL BOXES, STUBBED CONDUITS, WIREMOLD, DUCT, MAIN BREAKERS, LOAD CENTERS, ETC. INDICATED ON THESE DRAWINGS HAVE BEEN COORDINATED WITH X-RAY EQUIPMENT PLACEMENT. CONTACT EQUIPMENT VENDOR FOR PROPER VERIFICATION OF EQUIPMENT PLACEMENT AND CLEARANCES BEFORE MAKING ANY CHANGES TO THE LOCATIONS INDICATED ON THESE DRAWINGS

ELECTRICAL POWER FOR X-RAY EQUIPMENT REQUIRES VERY LARGE CURRENTS FOR EXTREMELY SHORT PERIODS OF TIME WHILE THE SUPPLY VOLTAGE MUST REMAIN STABLE. SEE ELECTRICAL SHEETS "E" IN THIS SET FOR DETAILS. POWER LINES FOR X-RAY SYSTEMS SHALL BE DEDICATED LINES RUN DIRECTLY FROM NEAREST HOSPITAL MAIN DISTRIBUTION TRANSFORMER OR DISTRIBUTION PANEL NOT SUPPLYING "SPARKY" OR HIGH INSTANTANEOUS PEAK LOAD DEVICES (I.E.; MOTORS,

CONNECTED TO THE X-RAY POWER LINES NOW OR IN THE FUTURE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING PATIENT GROUNDING SYSTEM WHEN REQUIRED BY CODE. GROUNDING SYSTEM TO COMPLY WITH NEC ARTICLE 517 AND NFPA 70

ELEVATORS, AIR CONDITIONERS, CLOCK TIMERS, ETC.). UNDER NO CIRCUMSTANCES SHALL ANY OTHER ELECTRICAL EQUIPMENT BE

GENERAL ROOM LIGHTING IS NOT INDICATED ON THESE DRAWINGS AND IS THE RESPONSIBILITY OF THE PURCHASER OR HIS ARCHITECT AND ELECTRICAL ENGINEER. IT IS SUGGESTED THAT DIMMERS BE USED TO CONTROL LIGHT LEVELS, ESPECIALLY IN AREAS WHERE

TROUGH / RACEWAY NOTES:

ALL TROUGH TO BE SQUARE D, WALKER DUCT OR EQUAL FLOOR AND WALL TRENCH DUCT WITH REMOVABLE COVERS THE FULL LENGTH. ALL TROUGH TO BE 10" X 3 1/2". OR AS INDICATED IN THESE DRAWINGS. OR PROVIDE THE EQUIVALENT NOMINAL SIZE AVAILABLE. ALL FLUSH DUCT TO HAVE OVERSIZED COVERS AND ALL SURFACE MOUNTED OR ABOVE CEILING DUCT TO HAVE COVERS THE SAME SIZE AS THE DUCT. ALL FLUSH IN FLOOR DUCT TO HAVE GASKETED REMOVABLE COVERS WITH TILE TRIM TO PREVENT ENTRY OF LIQUIDS. CONTACT MANUFACTURER FOR ALL ROUGH IN SIZES REQUIRED.

ALL TROUGH SHALL BE FLUSH WITH FINISHED SURFACES UNLESS OTHERWISE SPECIFIED AND PROVIDED WITH OVERSIZED REMOVABLE COVERS THE FULL LENGTH. COVERS SHALL BE CLEAR OF ANY OBSTRUCTION FOR INSERTION OF VENDOR SUPPLIED CABLES. IF IT IS NECESSARY THAT THE TROUGH BE INSTALLED OTHER THAN AS INDICATED ON THESE PLANS, CONTACT EQUIPMENT VENDOR OR VENDOR REPRESENTATIVE FOR PROPER VERIFICATION OF ALL EQUIPMENT PLACEMENT AND TROUGH CLEARANCES.

ALL DUCT ABOVE CEILING OR BELOW FLOOR TO BE PROVIDED WITH REMOVABLE COVERS FACING UP. PROVIDE ADEQUATE SPACE ABOVE DUCT FOR INSTALLATION OF VENDOR SUPPLIED CABLES AT TIME OF EQUIPMENT INSTALLATION. MAINTAIN MINIMUM CLEARANCE ABOVE CEILING OR BELOW FLOOR TO DUCT FOR SHORTEST CABLE RUNS. DUCT INSTALLED MORE THAN 12" ABOVE CEILING OR 18" BELOW

GENERAL CONTRACTOR SHALL PAINT ALL EXPOSED AREAS OF WALL AND CEILING TROUGH. CONSULT WITH THE EQUIPMENT PURCHASER CONTRACTOR TO SUPPLY AND INSTALL TWO REMOVABLE DIVIDER STRIPS WITHIN DUCT TO FORM THREE EQUAL AREAS FOR SEPARATION OF HIGH VOLTAGE CABLES, LOW VOLTAGE CABLES, AND DATA CABLES. PROVIDE CROSSOVER TUNNELS AT ALL INTERSECTIONS AS REQUIRED.

ENVIRONMENTAL NOTES:

1/2" CONDUIT TO-TROUGH OR DESIGNATED JUNCTION BOX

TEMPERATURE MUST BE REGULATED BETWEEN 68°-78°F WITH RELATIVE HUMIDITY REGULATED BETWEEN 45%-70% NON-CONDNSING

HEAT OUTPUT OF EQUIPMENT IN ONE AREA MUST NOT EFFECT TEMPERATURE AND HUMIDITY REGULATIONS IN OTHER AREAS. IT IS STRONGLY RECOMMENDED THAT EACH AREA BE INDIVIDUALLY ENVIRONMENTALLY CONTROLLED WITH A THERMOSTAT

AN AUDIBLE THERMAL ALARM IS RECOMMENDED IN THE CONTROL AREA TO ALERT THE SYSTEM OPERATOR TO TURN THE SYSTEM OFF SHOULD THE AMBIENT TEMPERATURE IN ANY AREA EXCEED THE SPECIFICATIONS LISTED ABOVE. SUPPLY DIFFUSERS SHALL NOT CAUSE DIRECT AIR CURRENTS ON PATIENT OR OPERATORS.

conditions on the job and this office must be notified shown by these drawings. Shop details must be ibmitted to this office for approval before proceeding

corporation

2021 Westwind Drive

Bakersfield, CA 93301

www.klassencorp.com

The above drawings and specifications and ideas

and shall remain the property of the architect: and no

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or specifications shall constitute conclusive evidence

Written dimensions on these drawings shall have

precedence over scaled dimension: contractors shall

of acceptance of these restrictions.

(661) 324-3900 Fax

(661) 324-3000

Architecture

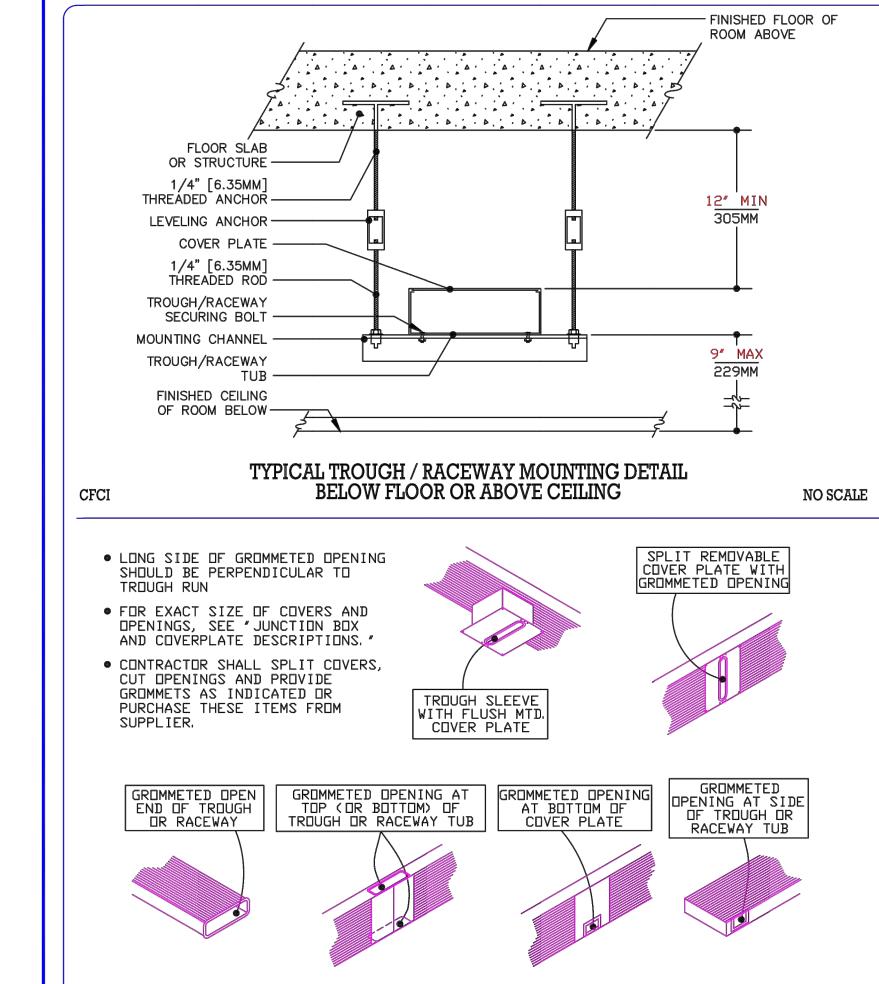
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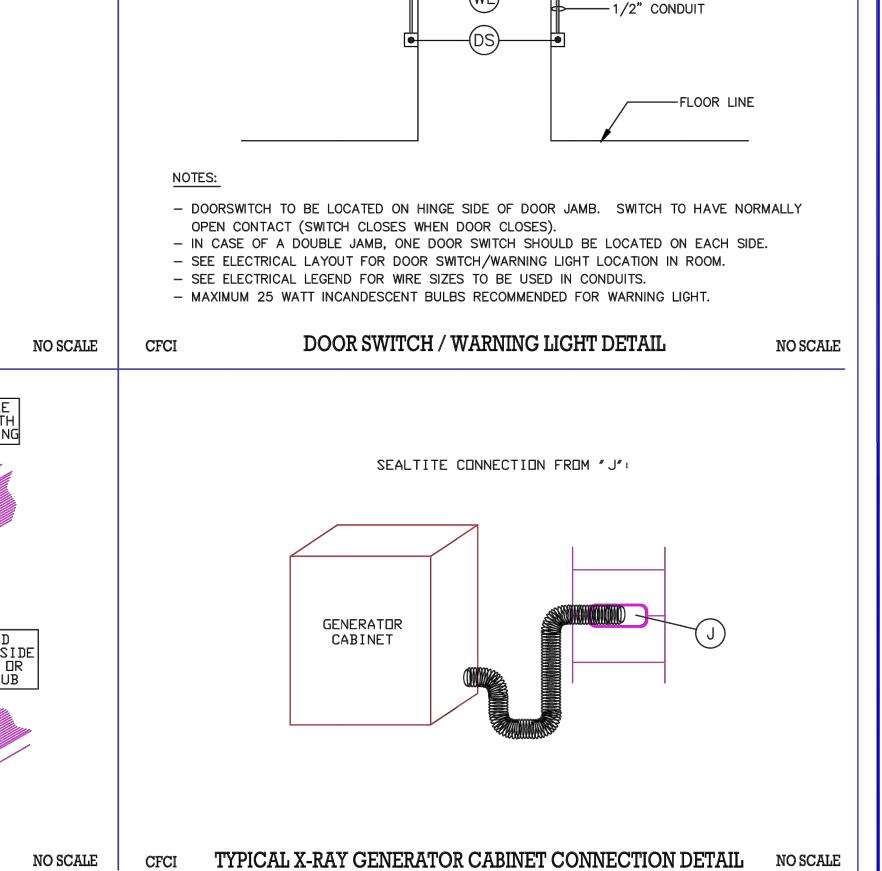
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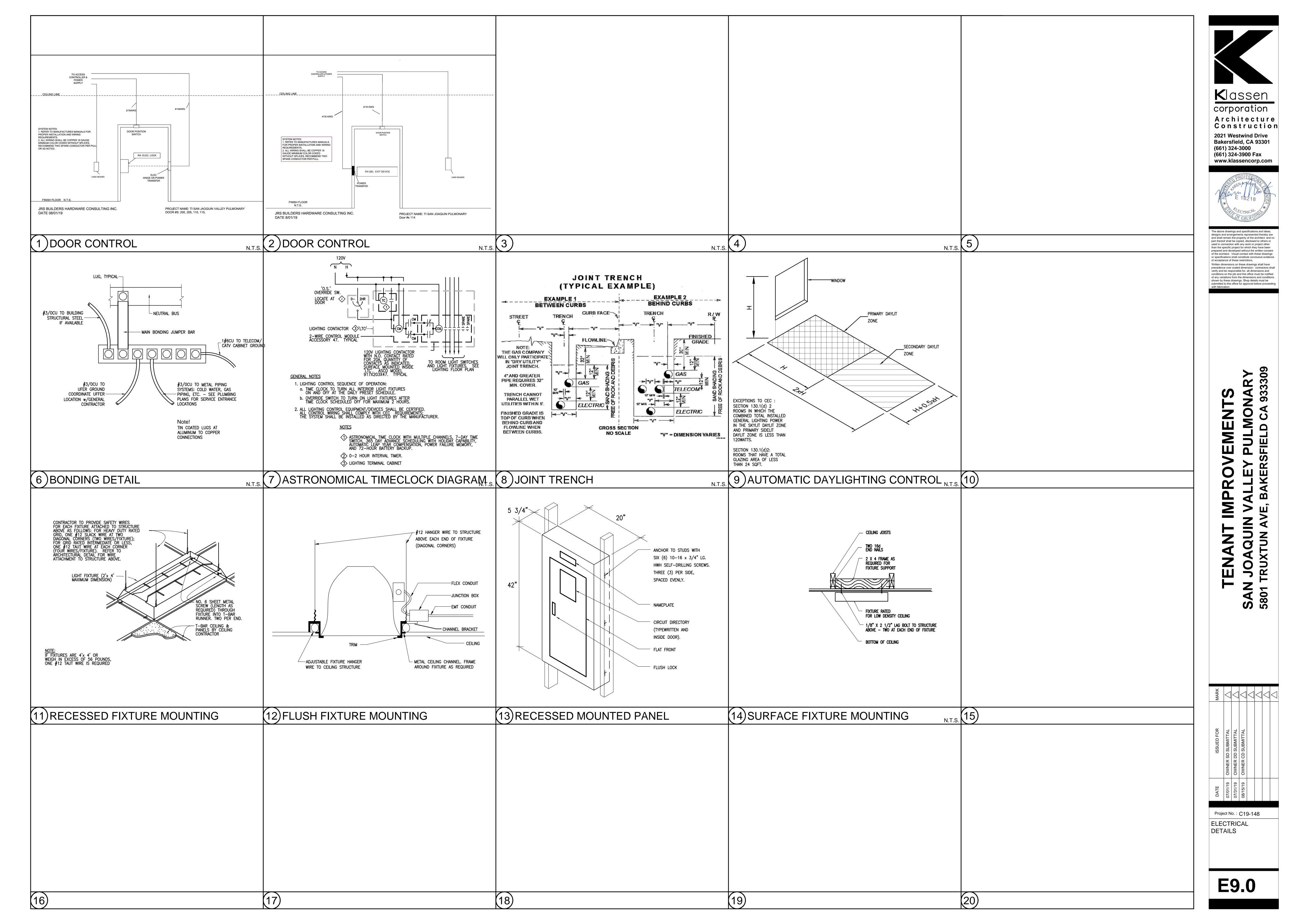
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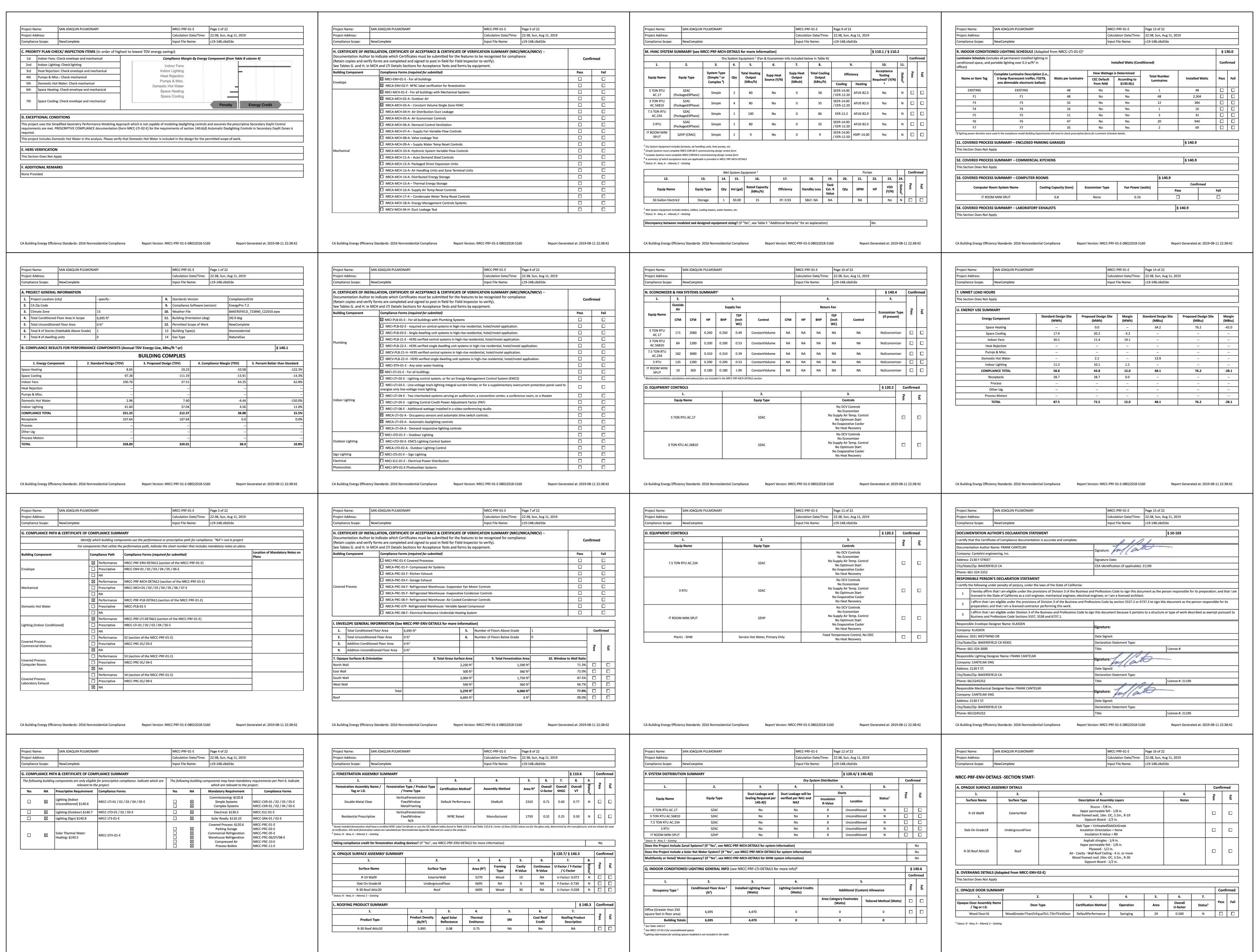
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TROUGH / RACEWAY COVER PLATE & OPENING DETAILS







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Architecture
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2021 Westwind Drive
Bakersfield, CA 93301
(661) 324-3900 Fax
www.klassencorp.com

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding

SAN JOAQUIN VALLEY PULMONARY
5801 TRUXTUN AVE, BAKERSFIELD CA 933309

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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-08022018-5160 Report Generated at: 2019-08-11 22:38:42

§ 130.1

Project Name SAN JOA	QUIN PULMONARY 8/11/2019
DESCRI	PTION
Building E	Envelope Measures:
§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.
§110.8(g):	Heated slab floors shall be insulated according to the requirements in Table 110.8-A.
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft.² of window area, 0.3 cfm/ft.² of door area for residential doors, 0.3 cfm/ft.² of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft.² for nonresidential double doors (swinging).
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
§110.6(a):	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
§120.7(a):	The opaque portions of the roof/ceiling that separates conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows:
	Metal Building- The weighted average U-factor of the roof assembly shall not exceed 0.098. Wood Framed and Others- The weighted average U-factor of the roof assembly shall not exceed 0.075.
	The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor as follows:
§120.7(b):	Metal Building- The weighted average U-factor of the wall assembly shall not exceed 0.113. Metal Framed- The weighted average U-factor of the wall assembly shall not exceed 0.151. Light Mass Walls- A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440 Heavy Mass Walls- An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.690.
	Wood Framed and Others- The weighted average U-factor of the wall assembly shall not exceed 0.110. Spandrel Panels and Opaque Curtain Wall- The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.280.
	Demising Walls The opaque portions of framed demising walls shall meet the requirements of Item A or B below: A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099. B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151.
	The opaque portions of floors and soffits that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows:
§120.7(c):	Raised Mass Floors- Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.269.
	Other Floors-The weighted average U-factor of the floor assembly shall not exceed 0.071.

Klassen corporation Architecture Construction 2021 Westwind Drive Bakersfield, CA 93301 (661) 324-3000 (661) 324-3900 Fax www.klassencorp.com

> The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect: and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. of acceptance of these restrictions.
>
> Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

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