



# SOUTH TEXAS COLLEGE PECAN CAMPUS INFORMATION TECHNOLOGY BUILDING M

# OFFICE AND WORKSPACE RENOVATION- McAllen, Texas

STC PROJECT # 19-20-1010 CONSTRUCTION DOCUMENTS PACKAGE

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K JHEE I AMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20 EXAS COLLEGE

ISSUE DATE

	ABBR	EVIATIONS							REFERENC	E SYMBOLS		
-	SYMBOL	LS	D	DEDTH OD DEED	INTM	INTERMEDIATE	PTD	PAINTED or PAPER TOWEL DISPENSER			ر <i>د</i> سی	
8	<b>S</b> .	AND	D DB	DEPTH OR DEEP DECIBEL	INV IP	INVERT IRON PIPE	PTN PVC	PARTITION POLYVINYL CHLORIDE		NORTH ARROW	1 3	REVISION NUMBER & AFFECTED AREA
L	L @	ANGLE AT	DBL DEG	DOUBLE DEGREE	IPS	IRON PIPE SIZE	PVG - PVMT	PAVING PAVEMENT			<del></del>	
] [		CHANNEL DEGREE	DEM DEMO	DEMOLISH DEMOLITION	<b>J</b> J-BOX	JUNCTION BOX	PVT PWR	PRIVATE POWER	ROOM NAME	ROOM IDENTIFICATION	A 10'-00"	CEILING TYPE & HEI
# #	# <b>±</b>	POUND or NUMBER PLUS / MINUS	DEPT DET	DEPARTMENT DETAIL	JAN	JANITOR	Q		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ROOMIDENTIFICATION		CEILING THE & HEN
9	ē. Ø	CENTERLINE POUND or NUMBER	DF DIA	DRINKING FOUNTAIN DIAMETER	JC JCT	JANITOR'S CLOSET JUNCTION	QUAL	QUALITY	(101A)	DOOR NUMBER	RUN RISE TYP	ROOF PITCH
7	<b>≠</b> 1	NOT EQUAL PER	DIAG DIFF	DIAGONAL OR DIAGONAL DIFFUSER	JF JST	JOINT FILLER JOIST	QT QTR	QUARRY TILE or QUART QUARTER	$\langle \overline{\mathtt{A}} \rangle$	WINDOW TYPE	1	
	<u>^</u> А		DIM DISL	DIMENSION DISPOSAL	JT 	JOINT	QTY — QT	QUANTITY QUARRY TILE			SLOPE	
4 الا	AB	ANCHOR BOLT ABOVE	DISP DIST PNL	DISPENSER DISTRIBUTION PANEL	K	KII OODAA			1	ACCESSORY/ PLAN/ KEY NOTE	X/X" PER FOOT	- SLOPE ARROW
4	ABV A/C	AIR CONDITIONING	DIV	DIVISION	KG KM	KILOGRAM KILOMETER	R R	RADIUS OR RISER	1	MISCELLANEOUS NOTE	XX	
4	AC ACF	ALTERNATING CURRENT ARCHITECTURAL CONCRETE FINISH	DO DR	DOOR OPENING DOOR or DRAIN	KIT KO	KITCHEN KNOCK OUT	R & S RA	ROD & SHELF RETURN AIR or	$\langle \hat{1} \rangle$	MISCELLANEOUS NOTE	$XX \stackrel{\bigwedge}{\overbrace{A7.0}} XX$	INTERIOR ELEVATION MULTIPLE
	ACOUS ACS FLR	ACOUSTICAL ACCESS FLOOR	DS DTL	DOWNSPOUT or DISCONNECT SWITCH DETAIL	KPL KS	KICK PLATE KITCHEN SINK		REGISTERED ARCHITECT			XX	WOLTH EL
	ACS PNL ACT	ACCESS PANEL ACOUSTICAL CEILING TILE or ACTUAL	DVTL DWG	DOVETAIL DRAWING	KVA KW	KILOVOLT-AMPERE KILOWATT	RADIUS RADN	RADIUS RADIATION	PT-1 B-1	WALL FINISH TYPE BASE FINISH TYPE	XX A7.0	INTERIOR ELEVATION
4	AD ADA	AREA DRAIN AMERICAN WITH DISABILITIES ACT - 1992	DWGS DWL	DRAWINGS DOWEL	KWH	KILOWATT HOUR	RB RD	RESILIENT BASE ROOF DRAIN			A7.0	SINGLE
4	ADD ADDM	ADDITIONAL ADDENDUM	DWTR	DUMBWAITER			REC	RECESSED REFERENCE	⟨ PT-1 ⟩	MISC FINISH TYPE	<b>(F)</b>	WALL TYPE - INTERIO
A	ADDL	ADDITIONAL	E		L	ANGLE, LEFT, LENGTH, LONG or LINE	REF REG	REFRIGERATOR REGISTER	CPT-2	FLOOR FINISH TYPE	В	WALL TYPE - EXTER
4	ADH ADJ	ADHESIVE ADJUSTABLE or ADJACENT	EA EDF	EACH ELECTRIC DRINKING FOUNTAIN	LA LAB	LANDSCAPE ARCHITECT LABORATORY or LABOR	REINF	REINFORCE REQUIRED				
I	ADMIN AF	ADMINISTRATION ABOVE FLOOR	EIFS	EXTERIOR INSULATION & FINISH SYSTEM EXPANSION JOINT	LAD LAM	LADDER LAMINATE(-D)	REQD REV	REVISION			<b>Q</b>	CENTER LINE
	AFF AGGR	ABOVE FINISH FLOOR AGGREGATE	EL	ELEVATION ELECTRIC	LAT LAV	LATERAL LAVATORY	RH RM	ROOF HATCH ROOM				
- 1	AIA Aib	AMERICAN INSTITUTE OF ARCHITECTS AIR INFILTRATION BARRIER	ELEV	ELEVATOR	LB LBL	POUND (WEIGHT) or LAG BOLT LABEL	RO RVS	ROUGH OPENING REVERSE		(##)		COLUMN GRID
	AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EMER ENCL	EMERGENCY ENCLOSURE	LBR	LUMBER	RWL	RAIN WATER LEADER		0'-0"		
	ALM ALT	ALARM ALTERNATE, ALTERATION	ENTR EPRF	ENTRANCE EXPLOSION PROOF	LCD Lib	LIQUID CRYSTAL DIODE LIBRARY	S SCHE	SCHEDULE		FINISH FLOOR		ELEVATION - VERTIC
4	ALUM	ALUMINUM	EQ EQUIP	EQUAL EQUIPMENT	LIN LINO	LINEAR LINOLEUM	SD SDMPR	SOAP DISPENSER SMOKE DAMPER			<b>■X</b>	
_   A	AMP AMT	AMPERE, AMPACITY AMOUNT	EWC EXC	ELECTRIC WATER COOLER EXCAVATE	LKR LL	LOCKER LIVE LOAD	SECT	SECTION			XX/A)	SECTION DETAIL
	ANCH ANOD	ANCHOR or ANCHORED ANODIZED	EXH A	EXHAUST AIR	LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL	SF SFTWD	SQUARE FOOT SOFTWOOD				
	ANT AP	ANTENNA ACCESS PANEL	EXH FN EXH HD	EXHAUST FAN EXHAUST HOOD	LMS LN	LIMESTONE LENGTH	SHR SHR HD	SHOWER SHOWER HEAD				
	APPROX APRVD	APPROXIMATE APPROVED	EXIST EXP	EXISTING EXPANSION	LNDG	LANDING	SHT SHTHG	SHEET SHEATHING		1	XX	ENLARGED PLAN
A	ARCH ASB	ARCHITECTURAL OR ARCHITECT ASBESTOS	EXT	EXTERIOR	LOCS	LOCATION LOCATIONS	SIM SLNT	SIMILAR SEALANT		i	XX.XX	
~   <i> </i>	ASSOC ASSY	ASSOCIATION or ASSOCIATE ASSEMBLY	F		LP LPT	LOW PRESSURE LOW POINT	SLV	SLEEVE		·	_/'	
	ASTM	AMERICAN SOCIETY FOR TESTING	FA FAB	FIRE ALARM FABRIC	LR LT	LIVING ROOM LIGHT	SND SN DISP	SANITARY NAPKIN DISPENSER SANITARY NAPKIN DISPOSAL			XX	
	AUTH	AND MATERIALS AUTHORIZED	FABR FB	FABRICATE (-ED) FIRE BLANKET	LTG LTL	LIGHTING LINTEL	SOG SP	SLAB ON GRADE STANDPIPE			AX.XX	EXTERIOR ELEVATION
	AUTO AVG	AUTOMATIC AVERAGE	FC BRK FD	FACE BRICK FLOOR DRAIN	LV	LOW VOLTAGE LOUVER	SPEC SQ	SPECIFICATION SQUARE				
	AWG AWT	AMERICAN WIRE GAUGE ACOUSTICAL WALL TREATMENT	FDTN FDV	FOUNDATION FIRE DEPARTMENT VALVE	LVR LW	LIGHT WEIGHT	SQ YD SS	SQUARE YARD SERVICE SINK			XX	WALL SECTION
	AX	AXIS	FE	FIRE EXTINGUISHER	LWC	LIGHT WEIGHT CONCRETE	SST ST	STAINLESS STEEL STREET			AX.XX	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
_ E	<b>B</b> B/	BOTTOM OF	FEC FH	FIRE EXTINGUISHER CABINET FIRE HOSE	M		STC	SOUND TRANSMISSION		VVV	VV	
E	B to B BAL	BACK TO BACK BALANCE	FHC FHP	FIRE HOSE CABINET FULL HEIGHT PARTITION	MAN MATL	MANUAL MATERIAL	STD	CLASSIFICATION STANDARD	4	XX X.XX	AX.XX	BUILDING SECTION
E	BAF	BAFFLE	FIN FIXT	FINISH FIXTURE	MAX MC	MAXIMUM MEDICINE CABINET	STOR STRUCT	STORAGE STRUCTURAL				
E	BB BC	BULLETIN BOARD or BALL BEARING BROOM CLOSET	FLASH FLL	FLASHING FLOW LINE	MECH MEMB	MECHANICAL MEMBRANE	SUPVR SUSP	SUPERVISOR SUSPEND				
	BD BDL	BOARD BUNDLE	FLR FLR SK	FLOOR FLOOR SINK	MEZZ	MEZZANINE	SW Symm	SWITCH SYMMETRICAL	MATERIAL	INDICATIONS		
	BDRM BDY	BEDROOM BOUNDARY	FLEX	FLEXIBLE	MFR MH	MANUFACTURER MANHOLE		OTHER TRIONE				
I	BEL BF	BELOW BOARD FOOT or BACK FACE	FLG FLUOR	FLANGE FLUORESCENT	MID MIN	MIDDLE MINIMUM	I T	TREAD				
		DUARU FUUI OLDAUK FAUF							1777777777			
	BITUM BLDG	BITUMINOUS	FP FRMG	FIREPROOF FRAMING	MIRR MISC	MIRROR MISCELLANEOUS	TAN TD	TANGENT TOWEL DISPENSER		BRICK OR STONE (PLAN)		BRICK (ELEVATION)
E	BLDG BLK	BITUMINOUS BUILDING BLOCK	FP		MISC ML	MIRROR MISCELLANEOUS MONOLITHIC	TD TD	TOWEL DISPENSER TRENCH DRAIN				BRICK (ELEVATION)
E E	BLDG BLK BLKG BLW	BITUMINOUS BUILDING BLOCK BLOCKING BELOW	FP FRMG FS FT FTG	FRAMING FULL SIZE FOOT OR FEET FOOTING	MISC ML MO MOT	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR	TD TD TEL TEMP	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE		(PLAN)		
E E E	BLDG BLK BLKG BLW BM BOT	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM	FP FRMG FS FT	FRAMING FULL SIZE FOOT OR FEET	MISC ML MO MOT MTD MTL	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL	TD TD TEL TEMP TER T&G	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE				BRICK (ELEVATION)  CONCRETE BLOCK (ELEVATION)
E E E	BLDG BLK BLKG BLW BM BOT BRK BRG	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM	FP FRMG FS FT FTG FURG FUT	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING	MISC ML MO MOT MTD	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED	TD TD TEL TEMP TER T&G THRES TK BD	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD		(PLAN)  CONCRETE BLOCK		CONCRETE BLOCK
E E E E E	BLDG BLK BLKG BLW BM BOT BRK	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK	FP FRMG FS FT FTG FURG FUT G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER	MISC ML MO MOT MTD MTL MULL	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION	TD TD TEL TEMP TER T&G THRES	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD		(PLAN)  CONCRETE BLOCK (PLAN)		CONCRETE BLOCK
E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER	FP FRMG FS FT FTG FURG FUT  G G GA GAL	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE GALLON	MISC ML MO MOT MTD MTL MULL MWK  N	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK	TD TD TEL TEMP TER T&G THRES TK BD	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER		(PLAN)  CONCRETE BLOCK		CONCRETE BLOCK
E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BVL	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED	FP FRMG FS FT FTG FURG FUT G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL		(PLAN)  CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL		CONCRETE BLOCK (ELEVATION)
E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING	FP FRMG FS FT FTG FURG FUT  G G GA GAL GALV	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP U UC UFD	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL UNDERCUT UNDERFLOOR DUCT		(PLAN)  CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL		CONCRETE BLOCK (ELEVATION)
B E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BVL BYD BYP	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS	FP FRMG FS FT FTG FURG FUT  G GA GAL GALV GB GC GEN GFCI	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL or GENERATOR GROUND FAULT CIRCUIT INTERRUPTED	MISC ML MO MOT MTD MTL MULL MWK  N N N NA NAP NAT NEC NEUT NF	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP U	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL UNDERCUT		(PLAN)  CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL		CONCRETE BLOCK (ELEVATION)
B E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BYD BYP C C to C	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER	FP FRMG FS FT FTG FURG FUT  G GA GAL GALV GB GC GEN GFCI GFI GFRC	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL or GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP UC UFD UNGD UNFIN UNO	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE		(PLAN)  CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)		CONCRETE BLOCK (ELEVATION)  CONCRETE
B E E C C C C C C C C C C C C C C C C C	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BYP C C to C CAB CANTIL	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER	FP FRMG FS FT FTG FURG FUT  G GA GAL GALV GB GC GEN GFCI GFI GFRC GKT GL	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL or GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP UC UFD UNGD UNFIN	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH		(PLAN)  CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)		CONCRETE BLOCK (ELEVATION)  CONCRETE
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BYP C C to C CAB CANTIL CAP CAT	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG	FP FRMG FS FT FTG FURG FUT  G GA GAL GALV GB GC GEN GFCI GFI GFRC GKT GL GL GLZ	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING or GLAZE	MISC ML MO MOT MTD MTL MULL MWK  N NA NAP NAT NEC NEUT NF NI NIC NO	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY		(PLAN)  CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)		CONCRETE BLOCK (ELEVATION)  CONCRETE
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BYP C C to C CAB CANTIL CAP	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY	FP FRMG FS FT FTG FURG FUT  G GA GAL GALV GB GC GEN GFCI GFRC GKT GL GLZ GOVT GR	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP UC UFD UNGD UNFIN UNO UR UTIL	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRG BRKR BSMT BTWN BUR BYD C C to C CAB CANTIL CAP CAT CCTV	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY	FP FRMG FS FT FTG FURG FUT  G GA GAL GALV GB GC GFI GFRC GFRC GKT GL GLZ GOVT	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING or GLAZE GOVERNMENT	MISC ML MO MOT MTD MTL MULL MWK  N N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V VB VCP VCT	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLW BM BOT BRK BRKR BSMT BTWN BUR BYD BYP C C to C CAB CANTIL CAP CAT CCTV CEM CER	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC	FP FRMG FS FT FTG FURG FUT  G GAAL GALV GB GC GEN GFCI GFRC GKT GL GLZ GOVT GR GR BM	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING or GLAZE GOVERNMENT GRADE GRADE BEAM	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS NTS  O O to O	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP U UC UFD UNGD UNFIN UNO UR UTIL V VB VCP VCT VENT VERT	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLKG BLW BM BOT BRK BRK BRKR BSWT BTWN BUR BYP C C to C CAB CAP CAT CAY CCTV CEM CER CF CFM	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET CUBIC FEET PER MINUTE	FP FRMG FS FT FTG FURG FUT  G GALV GB GC GEN GFCI GFRC GKT GL GLZ GOVT GR	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING GYPSUM SHEATHING BOARD	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS NTS  O O to O OA OBS	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE	TD TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V VB VCP VCT VENT VEST VF	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLKG BLK BRK BRK BRKR BRKR BRWN BUR BYP C to C CAB CAP CAT CCTV CEM CCF CFF CCF CCF CCF CCF CCF CCF CCF CC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD	FP FRMG FS FT FTG FURG FUT  G GAA GALV GB GC GEN GFCI GFRC GKT GL GL GND GRND GRND GRAN GRTG	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS NTS  O O to O OA OBS OC OD	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V VB VCP VCT VENT VEST VF VIN	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD
B E E E E E E E E E E E E E E E E E E E	BLDG BLK BLKG BLK BBK BBK BBK BBKR BBKR BBKR BBWN BBYP C to C CAB BBYP C CAB CCAT CCAT CCAT CCAT CCAT CCAT CCAT C	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER	FP FRMG FS FT FTG FURG FUT  G GAA GALV GB GC GEN GFCI GFRC GKT GL BLK GLZ GOVT GR	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL or GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS NTS  O O to O OA OBS OC OD OH OF	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V VB VCP VCT VENT VEST VF VIN VIT VLT	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD
B B B B B B B B B B B B B B B B B B B	BLDG BLK BLKG BLK BBK BBK BBK BBKR BBKR BBWN BBWN BBWN BBWN BBWN BBWN BBWN BBW	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD	FP FRMG FS FT FTG FURG FUT  G GALV GB GC GEN GFCI GFRC GFRC GL GL GR	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM BOARD  HIGH	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS NTS  O O to O OA OBS OC OD OH OF OHD	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V VENT VENT VEST VIF VIN VIT	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE
B B B B B B B B B B B B B B B B B B B	BLDG BLK BLKG BLKG BLK BBM BOT BRKR BRKR BRWN BBYD C to C CAB BRYD C CAB CCAT CCAT CCAT CCAT CCAT CCAT CCAT C	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL	FP FRMG FS FT FTG FURG FURG GALV GB GALV GB GFRC GKT GR BM GRAN GRTG GSB GYP BD H HB HC	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL or GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OR HANDICAP	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NEUT NF NI NIC NO NOM NRC NS NTS  O O O O O O O O O O O O O O O O O O	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UFD UNGD UNFIN UNO UR UTIL V VB VCP VCT VENT VEST VF VIN VIT VNR	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE
B B B B B B B B B B B B B B B B B B B	BLDG BLK BLKG BLKG BLKW BBOT BRKR BRKR BRWN BRYP C to C CAB CAAP CAAP CAAP CAAP CAAP CAAP CAAP	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS	FP FRMG FS FT FTG FURG FUT GALV GALV GB GALV GRAN GRAN GRAN GRAN GRAN GRAN GRAN GRAN	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING or GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE or GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE or HANDICAP HAND DRYER HANDICAP	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NO NOM NRC NS NTS  O O OA OBS OC OD OF OFP OPP H	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP UC UNFIN UNFO UNFIN UNFO UNFIN VEP VCT VENT VEST VF VIN VIT VNR VOL VP VT VTR	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION  WALL (PLAN)  CLAY TILE		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE
B B B B B B B B B B B B B B B B B B B	BLDG BLK BLKG BLK BBKR BBKR BBKR BBKR BBKR BBKR BBKR	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET CUBI	FP FRMG FS FT FTG FURT G GALV G GALV G G G G G G G G G G G G G G G G G G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS OF GIRDER GAUGE GALLON GALVANIZED GRAB BAR OF GLASS BLOCK GENERAL CONTRACTOR GENERAL OF GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OF GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OF GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OF HANDICAP HAND DRYER HANDICAP HEADER HARDWARE	MISC ML MO MOT MTD MTD MTL MULL MWK  N N NA NAP NAT NEC NO NOM NRC NS NTS  O O O O O O O O O O O O O O O O O O	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK   NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE   OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ORNAMENTAL	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UC UNGD UNFIN UNO UR UTIL  VB VCP VCT VENT VEST VF VIN VIT VNR VOL VP VT VTR VWC	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION  WALL (PLAN)		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD
B	BLDG BLK BLK BLK BLK BBK BBK BBK BBK BBK BBK	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE or CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR	FP FRMG FS FT FTG FURT GALV GALV GALV GALV GRAND	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING or GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE or GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE or HANDICAP HAND DRYER HANDICAP HEADER HARDWARE HARDWOOD HOLLOW METAL	MISC ML MO MOT MTD MTD MTL MULL MWK  N N N N N N N N N N N N N N N N N N	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW OPEN WASTE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP UC UNFIN UNFO UNFIN UNFO UNFIN VEP VCT VENT VEST VF VIN VIT VNR VOL VP VT VTR	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION  WALL (PLAN)  CLAY TILE		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD
B	BLDG BLKG BLKG BBLKG BBKR BBCK BBCKR BBCKR BBCKR BBCKR BCCCCCCCCCC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CONTER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT	FP FRMG FS FT FTG FURT G GALV GB GC N GFI GC GRAN GRAN GRAN GRAN GRAN GRAN GRAN GRAN	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING or GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE or GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE or HANDICAP HAND DRYER HANDICAP HEADER HARDWARE HARDWOOD	MISC ML MO MOT MTD MTL MULL MWK  N NA NAP NAT NEC NO NOM NRC NS NTS  O O O O O O O O O O O O O O O O O O	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ORNAMENTAL OVERFLOW	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP U USD UNFIN UNO UR UTIL V VB VCP VENT VEST VF VIN VIT VNR VOL VP VT VTR VWC W W/	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION  WALL (PLAN)  CLAY TILE		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD
B	BLDG BLKG BLKG BBKKG BBKKG BBKKT BBCC CCAB BBCCC CCAB BCCCC CCAB BCCC CCC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CONDITION OF CONDUIT CENTER of COUNTER	FP FRMG FS FT FTG FURT G GALV G GALV G GALV G G G G G G G G G G G G G G G G G G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OR GENERATOR GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OR HANDICAP HAND DRYER HANDLOAP HEADER HARDWARE HARDWOOD HOLLOW METAL HANDRAIL HORIZONTAL HOUR	MISC ML MO MOT MTD MTL MULL MWK  N N NA NAP NAT NEC NO NOM NRC NS NTS  O OA OBS OC OD OF OFP OPP ORD OPP ORD OPP ORD OVFL OW OZ P	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ORNAMENTAL OVERFLOW OPEN WASTE OUNCE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  U UNGD UNFIN UNO UR UTIL  V VB VCP VENT VEST VF VIN VIT VNR VOL VP VT VTR VVC W W/O WC	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH WITHOUT WATER CLOSET OR WALL COVERING		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION  WALL (PLAN)  CLAY TILE (ELEVATION)		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD  FINISHED WOOD
B	BLDG BLKG BLKG BBKKG BBKKG BBKKT BBCC CCAB BBCCCTV CCEF BBCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONCRETE MASONRY UNIT CONDITION OF COMPANY COAXIAL	FP FRMG FS FT FTG FURT  G GALV GGALV GGALV GGALV GGALV GGALV GGALV GGALV GRAND GRAND GRAND GRAND GRAND HB HC HD HD WD HNDRIZ HNDRIZ HSG HT	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR or GLASS BLOCK GENERAL CONTRACTOR GENERAL OF GENERATOR GROUND FAULT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OR GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OR GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OR HANDICAP HAND DRYER HANDICAP HEADER HARDWARE HARDWOOD HOLLOW METAL HOUR HOUSING HEIGHT	MISC ML MO MOT MTD MTD MTL MWK  N N N N N N N N N N N N N N N N N N	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK   NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE   OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW OPEN WASTE OUNCE  PARTITION PUSHBUTTON	TD TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  U UFD UNGD UNFIN UNO UR UTIL V VENT VENT VEST VF VIN VIT VNR VVP VT VWC W W W/O WC WD WDW	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH WITHOUT WATER CLOSET OR WALL COVERING WOOD WINDOW		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  BATT INSULATION  WALL (PLAN)  CLAY TILE (ELEVATION)		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD  FINISHED WOOD
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B B B B B B B B B B B B B B B B B B B	BLDG BLKG BLKG BBLKW BBCK BBCKC BBCC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE or CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CONDITION or CONDUIT CENTER OF COUNTER CASED OPENING, CLEANOUT OF COMPANY COALIAN COMBINATION OR COMBINED COMBINATION OR COMBINED	FP FRMG FS FT FURT  G G A L V  G G G G G G G G G G G G G G G G G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR OF GLASS BLOCK GENERAL CONTRACTOR GENERAL OF GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OF GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OF GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OF HANDICAP HAND DRYER HANDICAP HEADER HARDWARE HARDWOOD HOLLOW METAL HOUR HOUSING HEIGHT HEATER HEATING, VENTILATING, & AIR COND HEAVY HOT WATER HOT WATER HEATER HOT WATER SUPPLY	MISC ML MO MOT MTD MTL MWK  N N N N N N N N N N N N N N N N N N	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK  NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE  OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ORNAMENTAL OVERFLOW OPEN WASTE OUNCE  PARTITION PUSHBUTTON PUSHBUTTON PUSHBUTTON PRECAST CONCRETE PAPER CUP DISPENSER PEDESTAL PROPERTY LINE PLASTIC LAMINATE PLASTER	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  UCUFD UNGD UNFIN UNO URFIN VERT VEST VF VIF VIN VIT VNR VOL VP VT VWC WD WC WD WC WD WH WH	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH WITHOUT WATER CLOSET OR WALL COVERING WOOD WINDOW WIDE FLANGE WALL HYDRANT WATER HEATER		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  WALL (PLAN)  CLAY TILE (ELEVATION)  STONE		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD  FINISHED WOOD  ASPHALT
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B B B B B B B B B B B B B B B B B B B	BLDG BLKG BLKG BBKRG BBKRG BBKRT BBUL BCCCTV CCCTM CCCTM CCCCCCCCCCCCCCCCCCCCCC	BITUMINOUS BUILDING BLOCK BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CABINET CANTILEVER CAPACITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CONDITION OF CONDUIT CENTER OF COUNTER CASED OPENING, CLEANOUT OF COMPANY COAXIAL COLUMN COMBINATION OR COMBINED CONFERENCE CONNECT OR CONTRACTOR CONTRIDOR CONTRUCTION CONTINUE OR CONTRACTOR CONTRICTION CONTINUE OR CONTRACTOR CONTRICTION CONTINUE OR CONTRACTOR CONTRICTION CONTINUE OR CONTRACTOR CORRIDOR CARPET	FP FRMG FS FT G G G G G G G G G G G G G G G G G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS OF GIRDER GAUGE GALLON GALVANIZED GRAB BAR OF GLASS BLOCK GENERAL CONTRACTOR GENERAL OF GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GROUND FAULT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OF GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OF GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OF HANDICAP HANDICAP HEADER HARDWARE HARDWARE HARDWARE HARDWARE HARDWARE HOUSING HEIGHT HEATER HEATING, VENTILATING, & AIR COND HEAVY HOT WATER SUPPLY HYDRAULIC	MISC MISC MIC MOT MILL MOT MIL	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK   NORTH NOT APPLICABLE NAPKIN NATURAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE   OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSIT	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  U UNGD UNFIN UNO UR UTIL V VERT VEST VF VIN VIT VNR VV	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH WITHOUT WATER CLOSET OR WALL COVERING WOOD WINDOW WIDE FLANGE WALL HYDRANT WATER HEATER WATERPROOFING WEATHERSTRIP WAINSCOT WEIGHT WELDED WIRE FABRIC		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  WALL (PLAN)  CLAY TILE (ELEVATION)  STONE  GRADE EARTH		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD  FINISHED WOOD  ASPHALT  GLASS / MIRROR
B	BLKG BLKG BLKG BBKRG BBKRG BBKRT BBUL CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BREAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CONDITION OF CONDUIT CENTER CONCRETE CASED OPENING, CLEANOUT OF COMPANY COAXIAL COLUMN COMBINATION OR COMBINED CONTROL TO CONTROL CONTROL TO CONTROL CONTROL TO CONTROL CONTROL TO CONDUIT CENTER CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONTROL CON	FP FR FT FT G G G G G G G G G G G G G G G G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FUTURE  GAS or GIRDER GAUGE GALLON GALVANIZED GRAB BAR OF GLASS BLOCK GENERAL CONTRACTOR GENERAL OF GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OF GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OF GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OF HANDICAP HAND DRYER HANDICAP HEADER HARDWARE HARDWARE HARDWOOD HOLLOW METAL HONRAIL HORIZONTAL HOUR HOUSING HEIGHT HEATER HEATING, VENTILATING, & AIR COND HEATER HOT WATER HEATER HOT WATER HEATER HOT WATER SUPPLY HYDRAULIC  INTERRUPTING CAPACITY INSIDE DIAMETER INTERLOCK INCH	MISC ML MOT MILL MV N N N N N N N N N N N N N N N N N N	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK   NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE   OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ORNAMENTAL OVERFLOW OPEN WASTE OUNCE  PARTITION PUSHBUTTON PRECAST CONCRETE PAPER CUP DISPENSER PEDESTAL PROPERTY LINE PLASTIC LAMINATE PLASTER PLUMBING PLYWOOD PANEL PAIR PRELIMINARY PRESSURE PRIMARY	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  U USD UNFIN UNO UR UTIL V VERT VEST VF VIN VIT VNR VVP VT VWC W W W/	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH WITHOUT WATER CLOSET OR WALL COVERING WOOD WINDOW WIDE FLANGE WALL HYDRANT WATER HEATER WATERPROOFING WEATHERSTRIP WAINSCOT WEIGHT WELDED WIRE FABRIC		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  WALL (PLAN)  CLAY TILE (ELEVATION)  STONE  GRADE EARTH  GRAVEL		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD  FINISHED WOOD  ASPHALT  GLASS / MIRROR  CONTINUOUS WOOD BLOCKING
8 844Z0199574ZAM <b>A</b>	BLKG BLKG BLKG BBKRG BBKRG BBKRG BBKRT BBUL CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	BITUMINOUS BUILDING BLOCK BLOCKING BELOW BEAM BOTTOM BRICK BEARING BERAKER BASEMENT BETWEEN BUILT-UP ROOFING BEVELED BEYOND BYPASS  CHANNEL CENTER TO CENTER CAPACITY CATALOG CAVITY CIRCUIT CLOSED CIRCUIT TELEVISION CEMENT CERAMIC CUBIC FEET CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CORNER GUARD COAT HOOK CHAMFER CHANNEL CHALKBOARD CONTROL JOINT CENTER LINE OF CLEARNCE CLASS CEILING CAULKING CLOSET CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CONDITION OF CONDUIT CENTER OF COUNTER CASED OPENING, CLEANOUT OF COMPANY COAXIAL COLUMN COMBINATION OR COMBINED CONTRUCTION CONTRUCTION CONTRUCTION CONTRUCTION CONTRUCTION CONDITION OF CONDUIT CENTER OF COUNTER CASED OPENING, CLEANOUT OF COMPANY COAXIAL COLUMN COMBINATION OR COMBINED CONCRETE CONFERENCE CONFERENCE CONSTRUCTION CONTRUCTION CONTRUCTION CONTRUCTION CONTRUCTION CONTRACT OR CONTRACTOR COORBIDOR CARPET COUNTERSUNK	FP FR FT FT G G G G G G G G G G G G G G G G G	FRAMING FULL SIZE FOOT OR FEET FOOTING FURRING FURRING FUTURE  GAS OF GIRDER GAUGE GALLON GALVANIZED GRAB BAR OF GLASS BLOCK GENERAL CONTRACTOR GENERAL OF GENERATOR GROUND FAULT CIRCUIT INTERRUPTED GLASS FIBER REINFORCED CONCRETE GASKET GLASS GLASS BLOCK GLAZING OF GLAZE GOVERNMENT GRADE GRADE BEAM GROUND GRANITE OF GRANULAR GRATING GYPSUM SHEATHING BOARD GYPSUM GYPSUM BOARD  HIGH HOSE BIBB HOLLOW CORE OF HANDICAP HAND DRYER HANDICAP HEADER HARDWARE HARDWOOD HOLLOW METAL HOUR HOUSING HEIGHT HEATER HEATING, VENTILATING, & AIR COND HEAVY HOT WATER HEATER HOT WATER HEATER HOT WATER HEATER HOT WATER SUPPLY HYDRAULIC  INTERRUPTING CAPACITY INSIDE DIAMETER INTERLOCK	MISC ML MOT MILL MV N N N N N N N N N N N N N N N N N N	MIRROR MISCELLANEOUS MONOLITHIC MASONRY OPENING MOTOR MOUNTED METAL MULLION MILLWORK   NORTH NOT APPLICABLE NAPKIN NATURAL NATIONAL ELECTRICAL CODE NEUTRAL NEAR FACE NICKEL NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NEAR SIDE NOT TO SCALE   OUT to OUT OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OVERHEAD OUTSIDE FACE OFFICE OVERHEAD DOOR OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ORNAMENTAL OVERFLOW OPEN WASTE OUNCE  PARTITION PUSHBUTTON PRECAST CONCRETE PAPER CUP DISPENSER PEDESTAL PROPERTY LINE PLASTIC LAMINATE PLASTER PLUMBING PLYWOOD PANEL PAIR PRELIMINARY PRESSURE	TD TD TEL TEMP TER T&G THRES TK BD TPH TV TYP  U UNGD UNFIN UNO UR UTIL V VERT VEST VF VIN VIT VNR VV	TOWEL DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TEMPERATURE TERRAZZO TONGUE AND GROOVE THRESHOLD TACKBOARD TOILET PAPER HOLDER TELEVISION TYPICAL  UNDERCUT UNDERGROUND UNFINISH UNLESS NOTED OTHERWISE URINAL UTILITY  VAPOR BARRIER or VINYL BASE VITRIFIED CLAY PIPE VINYL COMPOSITION TILE VENTILATE, VENTILATOR, VENTILATION VERTICAL VESTIBULE VINYL FABRIC VERIFY IN THE FIELD VINYL VITREOUS VAULT VENEER VOLUME VAPOR PROOF or VENT PIPE VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING  WIDE WITH WITHOUT WATER CLOSET OR WALL COVERING WOOD WINDOW WIDE FLANGE WALL HYDRANT WATER HEATER WATERPROOFING WEATHERSTRIP WAINSCOT WEIGHT WELDED WIRE FABRIC		CONCRETE BLOCK (PLAN)  CONCRETE TILT-WALL (PLAN)  STUCCO  RIGID INSULATION  WALL (PLAN)  CLAY TILE (ELEVATION)  STONE  GRADE EARTH  GRAVEL		CONCRETE BLOCK (ELEVATION)  CONCRETE  STEEL  GYPSUM BOARD  CERAMIC TILE  PLYWOOD  FINISHED WOOD  ASPHALT  GLASS / MIRROR  CONTINUOUS WOOD BLOCKING

#### CODE ANALYSIS

FOR BUILDING ELEMENTS

FLOOR CONSTRUCTION

ROOF CONSTRUCTION

PRIMARY STRUCTURAL FRAME

NONBEARING WALLS & PARTITIONS

TYPE II-B

INTERIOR

BEARING WALLS EXTERIOR

CEILING TYPE & HEIGHT

INTERIOR ELEVATION

WALL TYPE - INTERIOR

**ELEVATION - VERTICAL** 

EXTERIOR ELEVATION

CONTINUOUS WOOD BLOCKING

B WALL TYPE - EXTERIOR

CODE ANALTSIS		
APPLICABLE CODES	OCCUPANT LOAD	TABLE 1004.1.1
IBC2012, IMC2012, IPC2012, IFC 2012,	B OCCUP.	
IECC 2015, 2012 TEXAS ACCESSIBILITY STANDARDS	100 SF PER OCCUP. GROSS	4,222 SF
OWNER/OLIENT	BUILDING SF	
OWNER/CLIENT	OCCUPANCY CALCULATION	
SOUTH TEXAS COLLEGE	4,222/100=44.22 OCCUPANTS (ROUNDED UP TO	
SITE ADDRESS	TOTAL NUMBER OF OCCUPANTS 43 OC	CUPANTS
3201 W PECAN BOULEVARD McALLEN, TEXAS		4005.0.4
	EGRESS WIDTH PER OCCUPANT SERVED WITHOUT SPRINKLER SYSTEM	1005.3.1
BUILDING DESCRIPTION	STAIRWAYS: 0,3" PE	R OCCUP
REMODEL / RENOVATION / TENANT FINISH OUT	OTHER EGRESS COMPONENTS:	0.3"
REMODEL TO EXISTING BUILDING	EGRESS WIDTH REQUIRED:	13"
OCCUPANCY CLASSIFICATION SEC. 310.3	EGRESS WIDTH PROVIDED:	6'-0"
GROUP B - BUSINESS		
AFFECTED DINI DINI ADEA	EXIT ACCESS TRAVEL DISTANCE	TABLE 1017.2
AFFECTED BUILDING AREA	TRAVEL DISTANCE WITH SPRINKLER SYSTEM	
OVERALL BUILDING SQUARE FOOTAGE 4,222 SF	B OCCUPANCY	300 FT
BUILDING CONSTRUCTION TYPE TABLE 504	MINIMUM NUMBER OF EXITS	SEC. 302
TYPE II-B: (WITH SPRINKLER)	MINIMUM NUMBER OF EXITS	2
( (	NUMBER OF EXITS PROVIDED	2
ALLOWABLE HEIGHT & BUILDING AREAS TABLE 506.2	MINIMUM NUMBER OF PLUMBING FIXTURES	SEC. 2902.1
ALLOWABLE B OCC. SF NOT APPLICABLE		
ALLOWABLE HEIGHT B OCC. NOT APPLICABLE	WATER CLOSETS 1 PER 25 FOR 1ST 50, 1 FOI	R EA. 50
FIRE RESISTANCE RATING REQUIREMENTS TABLE 601	LAVATORIES 1 PER 40 FOR 1ST 80, 1 PER EA	80

NUMBER OR WATER CLOSETS AND LAVATORIES

AS PREVIOUSLY EXISTED AS CLASSROOMS, THE

PREVIOUS LOAD CALCULATION-25 OCCUPANTS PER

NEW LOAD CALCULATION- 4222 SF / 100 SF=43 OCCUPANTS WHICH IS LESS THAN HALF THE LOAD ON

DEMAND ON RESTROOMS WAS MUCH HIGHER THAN AS

REMAINS UNCHANGED.

AN OFFICE AS PROPOSED.

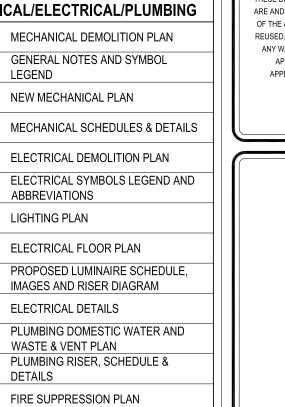
THE RESTROOMS.

COMPUTER LAB X 4= 100 OCCUPANTS

# SHEET INDEX

T.D. E 4004 4 4		
TABLE 1004.1.1	GENERA	AL INFORMATION
4,222 SF	COVER	COVER SHEET
	A0.10	GENERAL INFORMATION
TO 42)	ARCHITI	ECTURAL
TO 43) CCUPANTS	A1.00	SITE PLAN
1005.3.1	D2.00	DEMOLITION PLAN
	A2.00	PROPOSED FLOOR PLAN
ER OCCUP.	A2.10	PROPOSED FLOOR FINISH PLAN
13"	A2.20	PROPOSED REFLECTED CEILING PLAN
6'-0"	A3.00	PROPOSED INTERIOR ELEVATIONS AND DETAILS
TABLE 1017.2		1 / 11 / 2 / 2 / 11 / 12
300 FT		
SEC. 302		
2		
2		

		THESE DRAWINGS AND SPECIFICATIONS
MECHAN	ICAL/ELECTRICAL/PLUMBING	ARE AND SHALL REMAIN THE PROPERTY
DM1.01	MECHANICAL DEMOLITION PLAN	OF THE ARCHITECT. THEY MAY NOT BE REUSED, REPRODUCED OR ALTERED IN ANY WAY WITHOUT PRIOR WRITTEN
M2.01	GENERAL NOTES AND SYMBOL LEGEND	APPROVAL FROM AND WITH APPROPRIATE COMPENSATION
M3.01	NEW MECHANICAL PLAN	TO THE ARCHITECT.
M4.01	MECHANICAL SCHEDULES & DETAILS	
DE1.01	ELECTRICAL DEMOLITION PLAN	
E2.01	ELECTRICAL SYMBOLS LEGEND AND ABBREVIATIONS	



E3.01

E4.01

FS2.01

LIGHTING PLAN

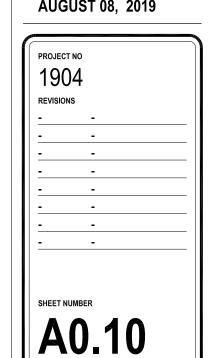
DETAILS





GENERAL INFORMATION
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WOWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, MCALLEN, TEXAS 78501

AUGUST 08, 2019

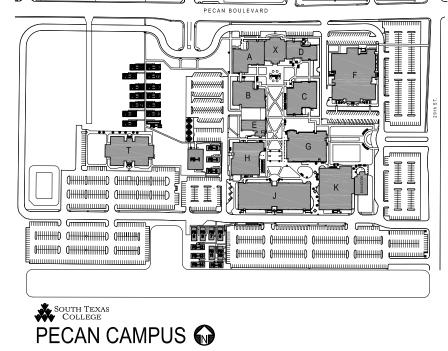


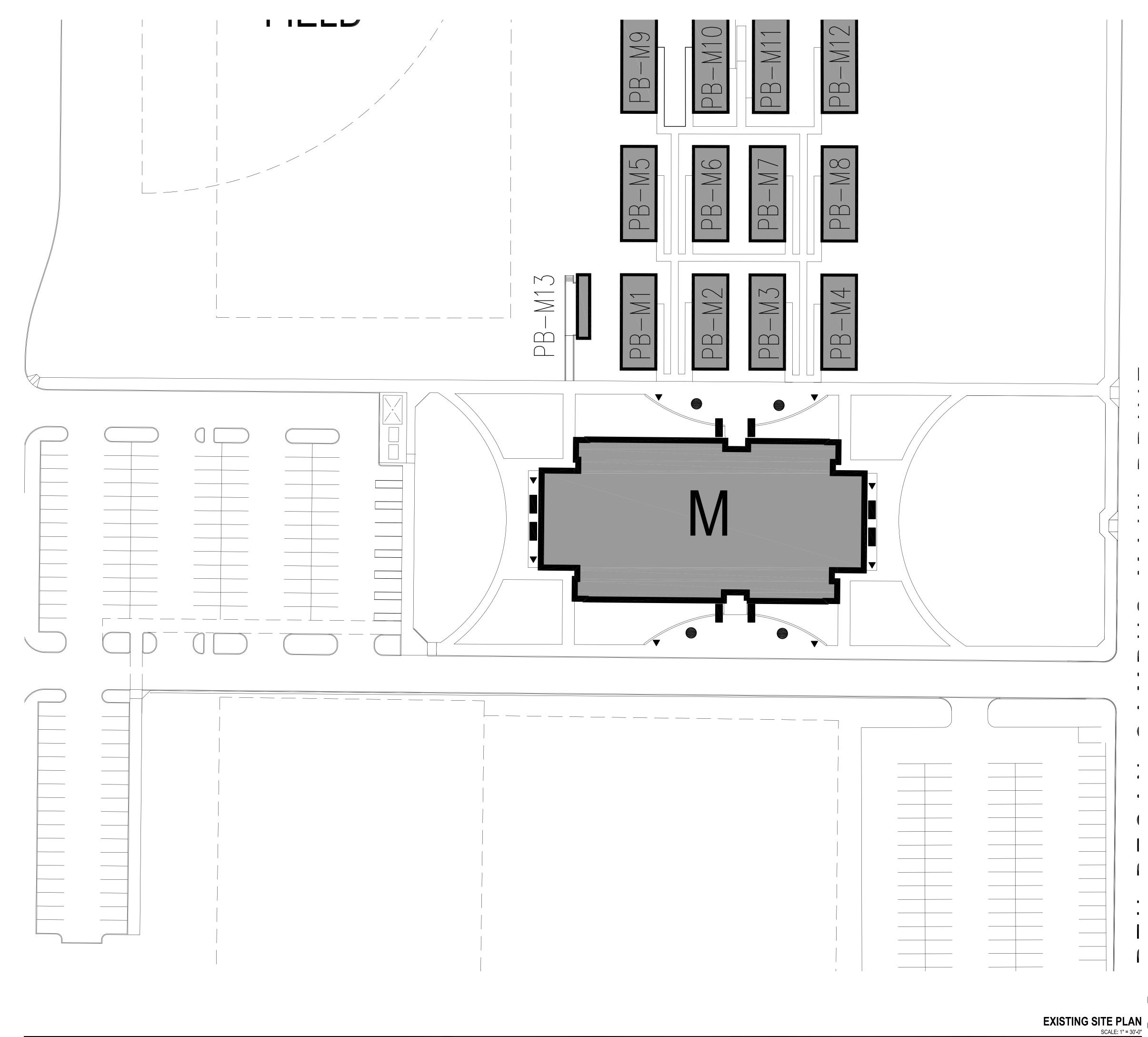
# PROJECT TEAM

RCHITECT	MECHANICAL, ELECTI
ULTINGHOUSE SIMPSON GATES ARCHITECTS	ETHOS ENGINEERING
01 N McCOLL RD ALLEN, TEXAS 78501 956.630.9494	119 W. VAN BUREN AVE #101 HARLINGEN, TEXAS 78550 <b>T:</b> 956-230-3435
956.630.2058	<b>F:</b> 956-720-0830

TRICAL & PLUMBING

**VICINITY MAP** 



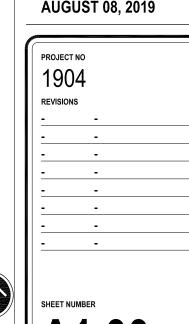


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ANY WAY WITHOUT PRIOR WRITTEN
APPROVAL FROM AND WITH
APPROPRIATE COMPENSATION
TO THE ARCHITECT.





AUGUST 08, 2019



#### DEMOLITION GENERAL NOTES

- DURING CONSTRUCTION, ALL OPENINGS FROM EXISTING MAIN CORRIDORS TO PROPOSED NEW CONSTRUCTION AREA SHALL BE DIVIDED BY DUST CURTAINS UNTIL THE PROJECT IS COMPLETE.
- GC AND SUBS SHALL NOT OBSTRUCT ADJACENT CORRIDORS WITHOUT THE CONSENT
- ALL FIRE SPRINKLER REMEDIAL WORK SHALL BE PERFORMED BY A FIRM LICENSED TO
- PRIOR TO DEMOLITION, GC AND SUBS SHALL COORDINATE WITH STC AN ACCEPTABLE STAGING AREA AND ROUTE OF ACCESS FOR REMOVING TRASH, CONSTRUCTION
- ALL REQUIRED UTILILTY WORK (ELECTRICAL, MECHANICAL, OR PLUMBING) TO BE PERFORMED IN/ON THE SECOND FLOOR SHALL BE ACCESSED FROM THE ABOVE CEILING FIRST FLOOR INTERSTITIAL SPACE. TIMES AND DATES OF ACCESS SHALL BE COORDINATED WITH STC.
- EXISTING STEEL COLUMN TO REMAIN. DESIGN AND INSTALL SPRINKLERS IN THE STATE OF TEXAS.
  - ALL ASSOCIATED DOOR HARDWARE SHALL BE SALVAGED AND RETURNED TO STC.

1 EX. STUDS AND CORRIDOR SIDE GYP BD TO REMAIN. REMOVE INTERIOR FACE OF GYP

BD. (PROPOSED WORK SIDE) RUN PERIMETER STUD WALL TO DECK. INSULATE ENTIRE

PERIMETER WALL. INSTALL NEW GYP BD ON INTERIOR FACE OF PERIMETER WALL.

- EXISTING NON-LOAD BEARING INTERIOR PARTITIONS TO BE REMOVED. GC SHALL CUT AND CAP ALL POWER, DATA, HORN STROBES, WALL CLOCKS, OTHER MISCELLANEOUS UTILITIES WITHIN WALLS AS PER LATEST CODES.
  - (5) EXISTING PERIMETER STUD WALL AND GYP BD TO BE REMOVED.

**DEMOLITION KEYED NOTES** 

KEYED NOTES APPLY TO THIS SHEET ONLY

TAPE, FLOAT, TEXTURE AND PAINT.

- EXISTING VCT FLOORING TO BE REMOVED. ANY AND ALL FLOOR POWER DEVICES SHALL BE REMOVED AND THE HOLE FILLED WITH NEW NON-SHRINK CONCRETE.
- EXISTING CEILING GRID, CEILING TILE, LIGHTING, SPRINKLER HEADS, CEILING MOUNTED OCCUPANCY SENSORS, PROJECTION SCREENS, AND ALL CEILING MOUNTED UTILITIES
- (8) EXISTING WALL MOUNTED MARKER BOARDS TO BE SALVAGED AND RETURNED TO STC.
- 9 EXISTING ELECTRICAL FLOOR BOX LOCATION TO BE REMOVED U.N.O.

DEMOLITION GENERAL NOTES (D2)

DEMOLITION KEYED NOTES (D1)

THESE DRAWINGS AND SPECIFICATIONS

OF THE ARCHITECT. THEY MAY NOT BE

REUSED, REPRODUCED OR ALTERED IN

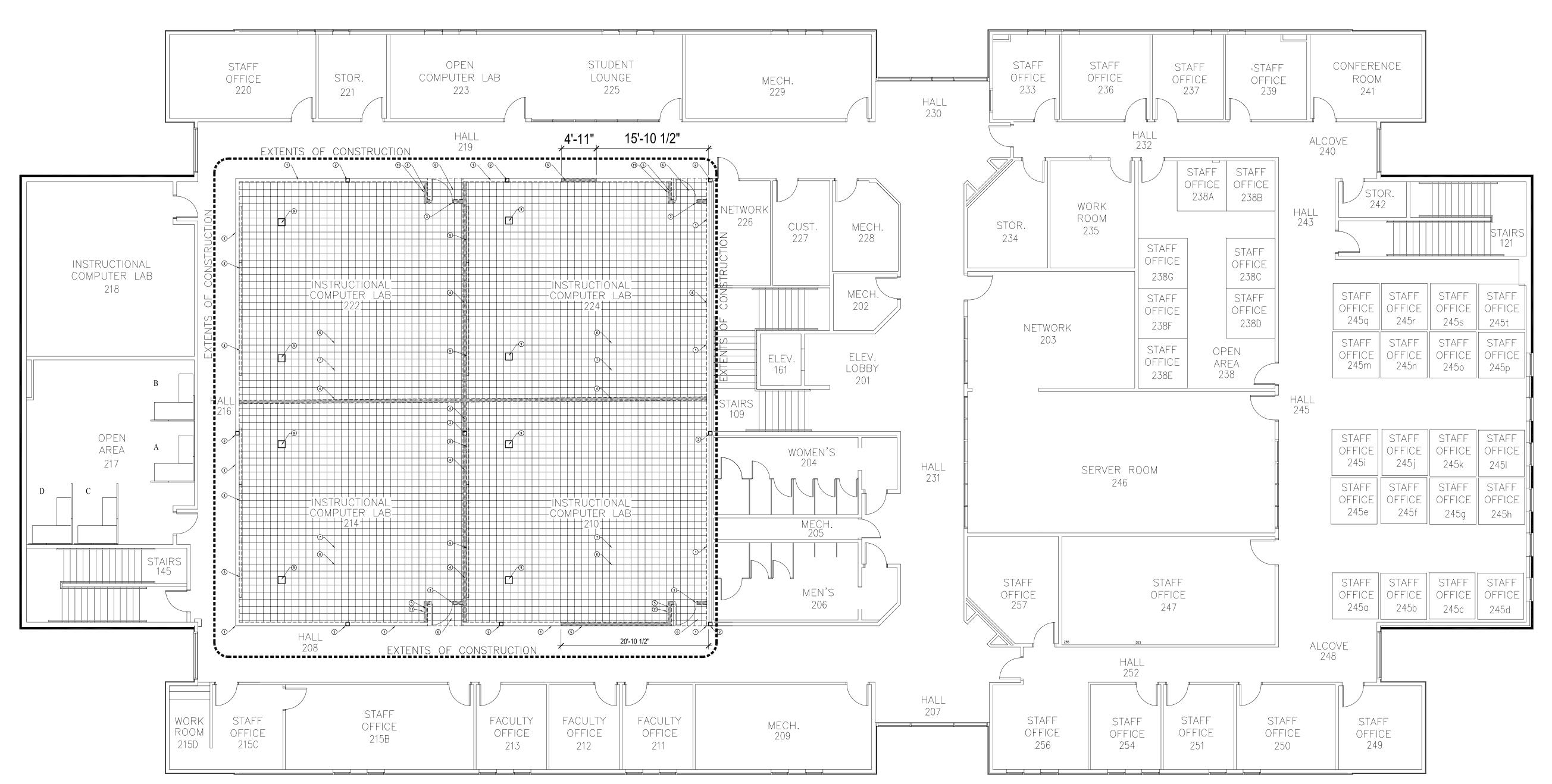
ANY WAY WITHOUT PRIOR WRITTEN

APPROVAL FROM AND WITH

APPROPRIATE COMPENSATION

TO THE ARCHITECT.

ARE AND SHALL REMAIN THE PROPERTY





SPACE

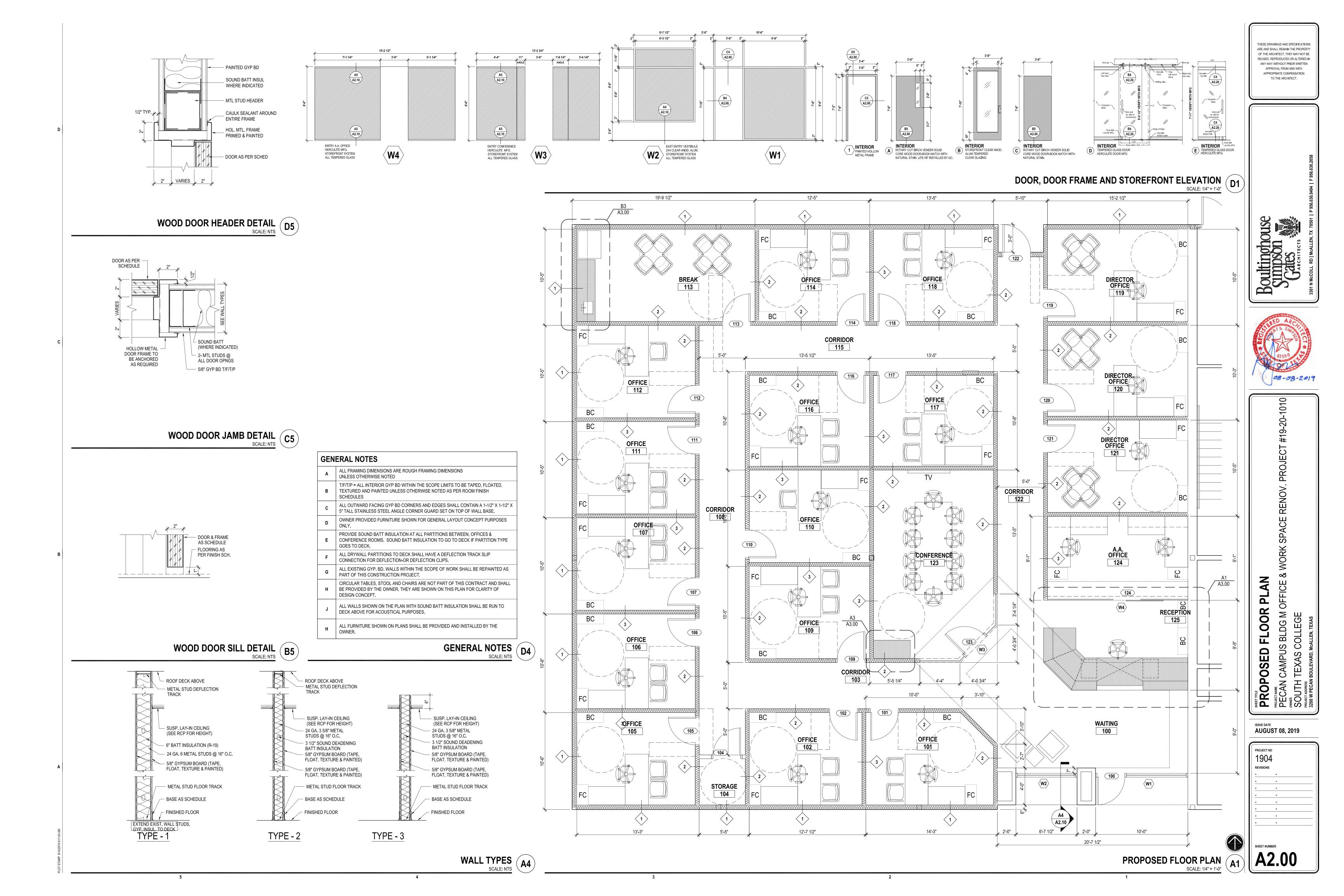
PLAN

DEMOLITION FLOOR PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & W
OWNER
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
3200 W PECAN BOULEVARD, MCALLEN, TEXAS

**AUGUST 08, 2019** 

REVISIONS

**DEMOLITION FLOOR PLAN**SCALE: 1/8" = 1'-0"



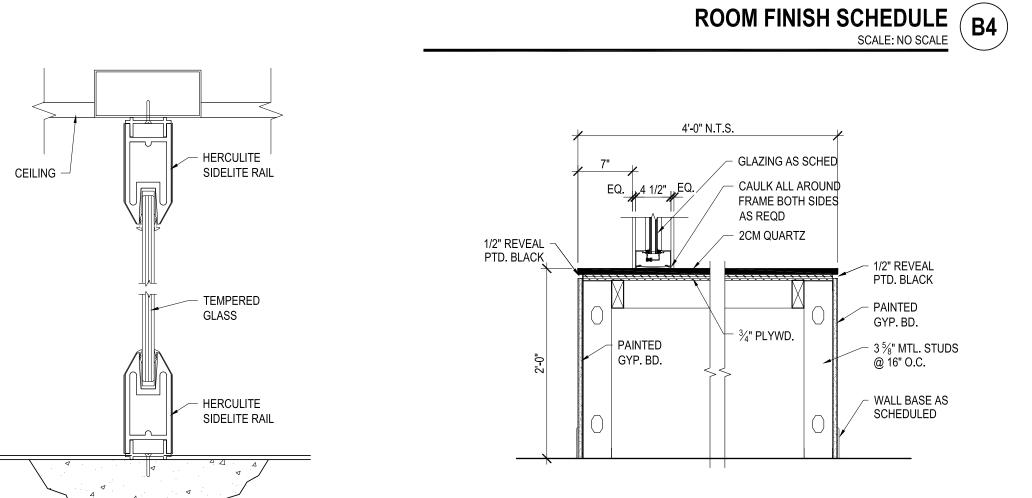
				DOOR SCHEDULE											
DR	DOOM NAME				DOOR					FRA	ME		HDWR	NOTES	RM
NO		TYPE	LEAF	WIDTH	HEIGHT	MATERIAL	FINISH	TYP	WIDTH	HEIGHT	MATERIAL	FINISH	SET	NOTES	NO
100	WAITING	В	SINGLE	3'-0"	7'-10"	ALUM.	CLEAR ANOD.	1	3'-4"	8'-0"	ALUM.	CLEAR ANOD.	*		100
101	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		101
102	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		102
104	STORAGE	С	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*	NO LITE KIT	104
105	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED.	2	3'-4"	7'-2	H.M.	PAINTED	*		105
106	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		106
107	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		107
109	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		109
110	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		110
111	OFFICE	А	SINGLE	3'-0"	7-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		111
112	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		112
113	BREAK ROOM	А	SINGLE	3'-0'	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2	H.M.	PAINTED	*		113
114	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		114
116	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		116
117	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		117
118	OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		118
119	DIRECTOR OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		119
120	DIRECTOR OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		120
121	DIRECTOR OFFICE	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		121
122	CORRIDOR	А	SINGLE	3'-0"	7'-0"	S.C. WOOD	STAINED	2	3'-4"	7'-2"	H.M.	PAINTED	*		122
123	CONFERENCE	Е	SINGLE	3'-0"	7'-11"	GLASS								HERCULITE MFG.	123
124	A.A. OFFICE	D	SINGLE	3'-0"	8'-0 1/2"	GLASS								HERCULITE MFG.	124

\* \_ SEE HARDIWARE CROLIDS IN SDEC MANITAL

DOOR SCHEDULE	$\overline{\mathbf{C4}}$
SCALE: NO SCALE	

ROOM FINISH SCHEDULE										
RM	DOOM NAME	FLOOD	DACE		W	ALLS		NOTES	RN	
NO	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	NOTES	NO	
100	WAITING	CPT-1	B-1		AW-2				10	
101	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		10	
102	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		10	
103	CORRIDOR	CPT-1	B-1	PT-1	PT-1				10	
104	STORAGE	CPT-1	B-1	PT-1	PT-1	PT-1	PT-1		10	
105	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		10	
106	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		10	
107	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		10	
108	CORRIDOR	CPT -1	B-1		PT-1		PT-1		10	
109	OFFICE	CPT-1	B-1	AW-2	PT-1	PT-1	PT-1		10	
110	OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		11	
111	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		11	
112	OFFICE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		11	
113	BREAK ROOM	LVT-1	B-1	AW-2	PT-1	PT-1	PT-1		11	
114	OFFICE	CPT-1	B-1	AW-2	PT-1	PT-1	PT-1		11	
115	CORRIDOR	CPT-1	B-1	PT-1		PT-1			11	
116	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		11	
117	OFFICE	CPT-1	B-1	PT-1	PT-1	AW-2	PT-1		11	
118	OFFICE	CPT-1	B-1	AW-2	PT-1	PT-1	PT-1		11	
119	DIRECTOR OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		11	
120	DIRECTOR OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		12	
121	DIRECTOR OFFICE	CPT-1	B-1	PT-1	AW-2	PT-1	PT-1		12	
122	CORRIDOR	CPT-1	B-1		PT-1	_	PT-1		12	
123	CONFERENCE	CPT-1	B-1	PT-1	PT-1	PT-1	AW-2		12	
124	A.A. OFFICE	CPT-1	B-1	PT-1	AW-2		PT-1		12	
125	RECEPTION	CPT-1	B-1		AW-2				12	

AW-1 FURRDOWN (TYPICAL) at ENTRY



HEAD AND SILL STOREFRONT DETAIL SCALE: 3"= 1'-0"

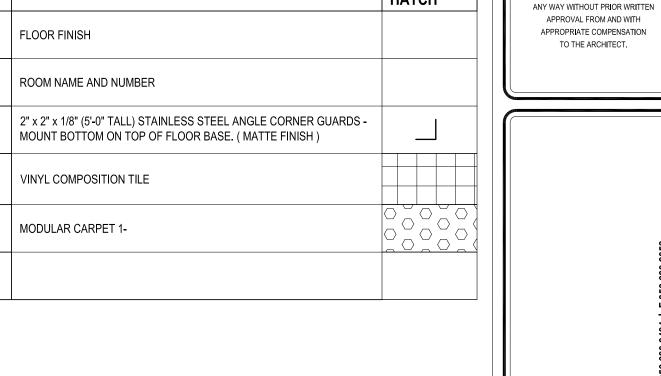
MILLWORK DETAIL
SCALE: 1"= 1'-0"

A4

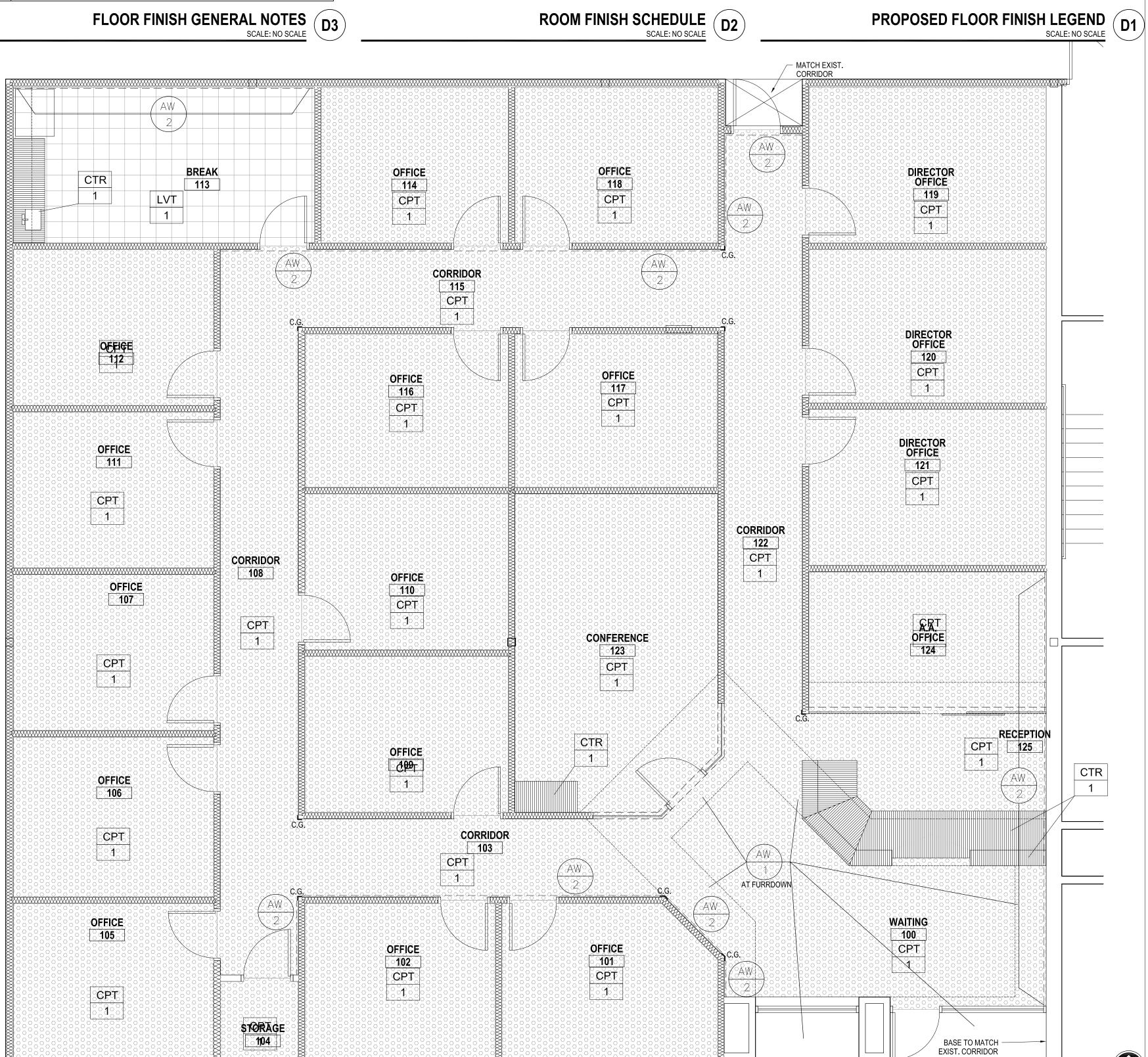
FLOOR FINISH GENERAL NOTES ALL GLAZING SHALL BE TEMPERED UNLESS NOTED OTHERWISE ALL HOLLOW METAL DOORS & FRAMES TO BE WELDED AND PAINTED. GRIND ALL EXPOSED WELDS; SMOOTH PRIOR TO APPLYING FINAL FINISH. COLOR TO BE SELECTED BY OWNER. CITYSCAPE - SW7067 ROUGH OPENING OF FRAME SHALL BE 4" MINIMUM FROM ADJACENT WALL U.N.O. AND SHALL HAVE DOOR STOPS. DUE TO MULTIPLE USE, SOME DETAILS ARE REVERSED AND / OR ROTATED FROM DIRECTION SHOWN ON FLOOR PLAN. THE INTENT OF THE DETAILS SHOULD BE FOLLOWED. NOTIFY ARCHITECT OF ANY QUESTIONS AFFECTING CONSTRUCTION. ALL ALUMINUM DOORS AND FRAMES TO BE CLEAR ANODIZED FINISH EXISTING SLAB SHALL BE PREPPED ACCORDING TO THE PROPOSED FLOORING MANUFACTURER'S RECOMMENDATIONS. USE SELF LEVELING UNDERLAYMENT TO LEVEL OUT SLAB TO 1/8" PER 10'-0" MAX. WHERE REQUIRED. ALL GYP BD CORNERS AND EDGES TO BE METAL EDGE BEAD. PROVIDE SOUND BATT INSULATION AT ALL PARTITIONS BETWEEN RESTROOMS, OFFICES & CONFERENCE ROOMS. SOUND BATT INSULATION TO GO TO DECK IF PARTITION TYPE GOES TO DECK. ALL DRYWALL PARTITIONS TO DECK SHALL HAVE A DEFLECTION TRACK SLIP CONNECTION FOR DEFLECTION-OR DEFLECTION CLIPS.

	FINISH LEGEND							
F	FLOOR							
CPT-1	MODULAR CARPET 1 - MANNINGTON MODULAR WITH INFINITY MODULAR BACKING - MANNINGTON - LINEN WEAVE - STORM - 12551 24" X 24"							
LVT-1	MANNINGTON LVT - AMTICO NORTHERN WANDER ILLUSION MEMORY NW 203							
В	BASE							
B-1	RUBBER BASE 1- MANNINGTON 4" X 1/8" RUBBER BASE- DEEP SPACE 198							
W	WALLS							
PT-1	PAINT COLOR 1-SHERWIN WILLIAM PAINT TO BE DETERMINED BY ARCHITECT (FIELD COLOR) EVERYWHERE - SNOWBOUND SW7004							
PT-2	PAINT COLOR 2- SHERWIN WILLIAMS FLAT BLACK - EXPOSED CEILING LOBBY ONLY							
AW-1	ACCENT WALL PAINT 1- SHERWIN WILLIAMS - LOBBY FURRDOWN - TO BE DETERMINED BY ARCHITECT OVERT GREEN - SW6718							
AW-2	ACCENT WALL PAINT 2- SHERWIN WILLIAMS - OFFICES AND LOBBY- TO BE DETERMINED BY ARCHITECT CITYSCAPE - SW7067							
CG	$2 \mbox{X} \mbox{ 2 X} \mbox{ 5'-0"}$ TALL STAINLESS STEEL CORNER GUARDS-BOTTOM OF GUARD INSTALLED AT TOP OF BASE-GLUE AND SCREW. ( MATTE FINISH )							
	COUNTERS							
CTR-1	WILSONART QUARTZ - ARLINGTON # Q1005							
CTR-2	WILSONART LAMINATE - PEWTER BRUSH # 4779-60 MATTE FINISH							

FINISH LEGEND							
FLOOR KEY	FLOORING MATERIAL	FLOORING HATCH					
###	FLOOR FINISH						
RM NM ###	ROOM NAME AND NUMBER						
CG	2" x 2" x 1/8" (5'-0" TALL) STAINLESS STEEL ANGLE CORNER GUARDS - MOUNT BOTTOM ON TOP OF FLOOR BASE. ( MATTE FINISH )						
LVT-1	VINYL COMPOSITION TILE						
CPT-1	MODULAR CARPET 1-						



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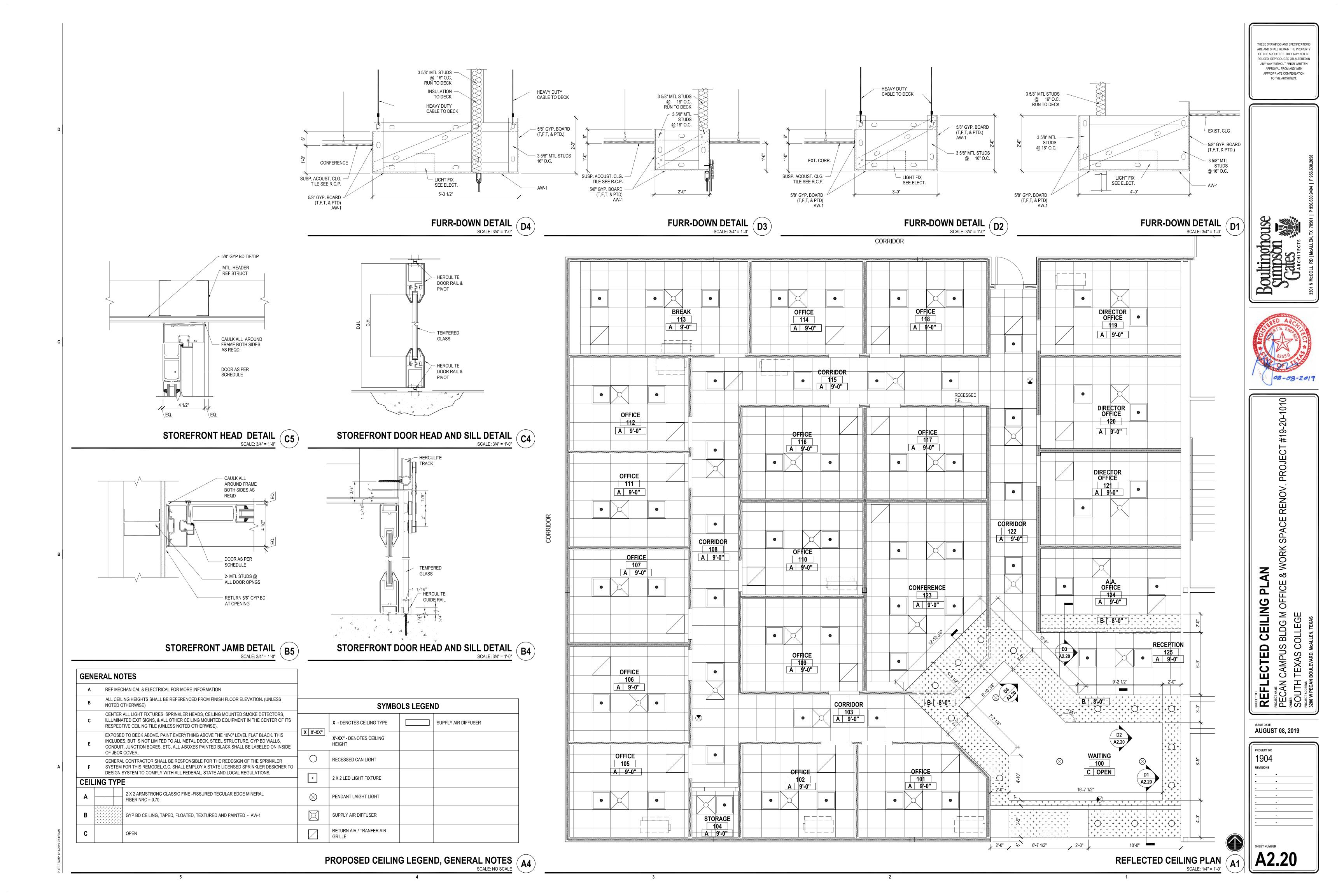
FLOOR FINISH PLAN

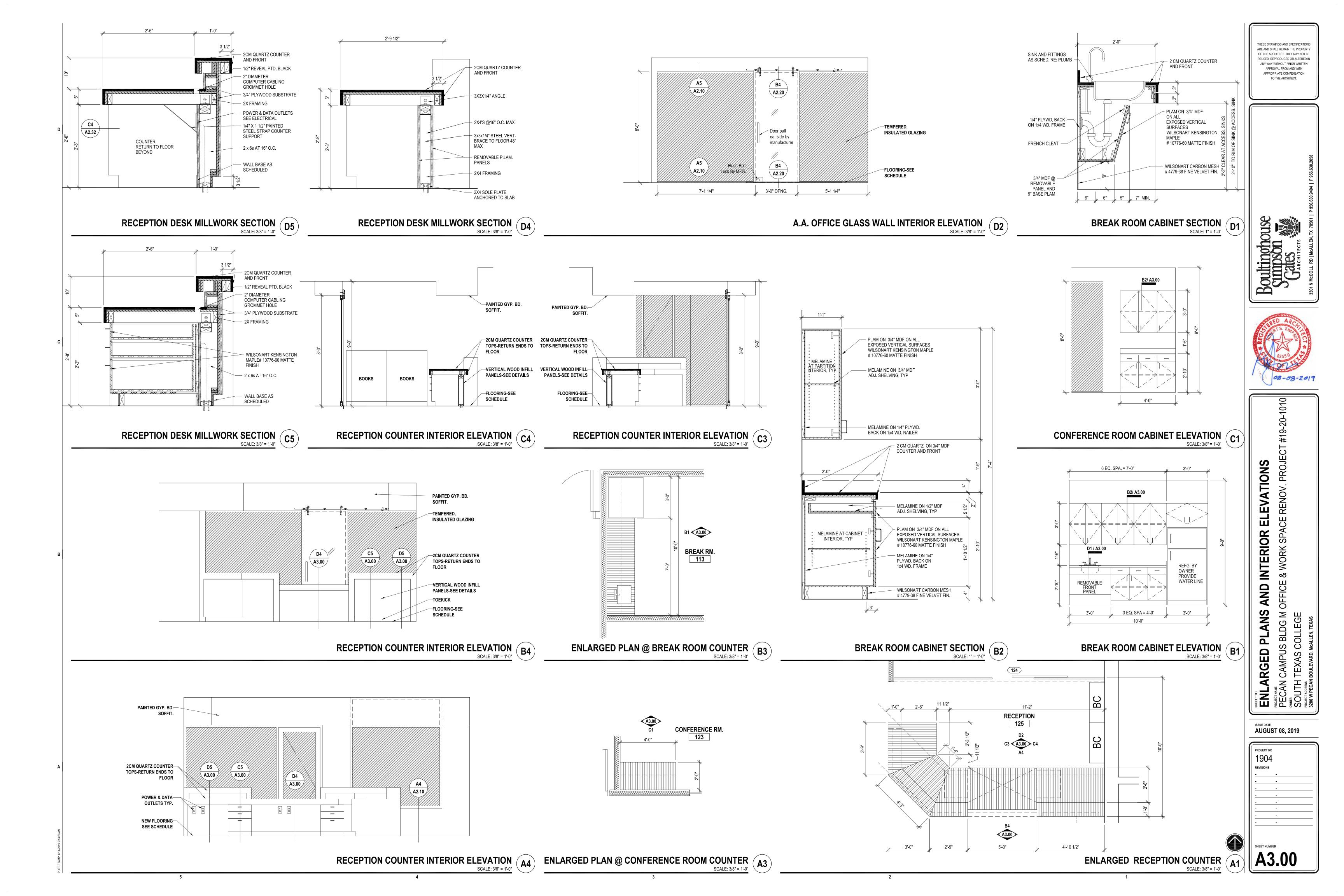
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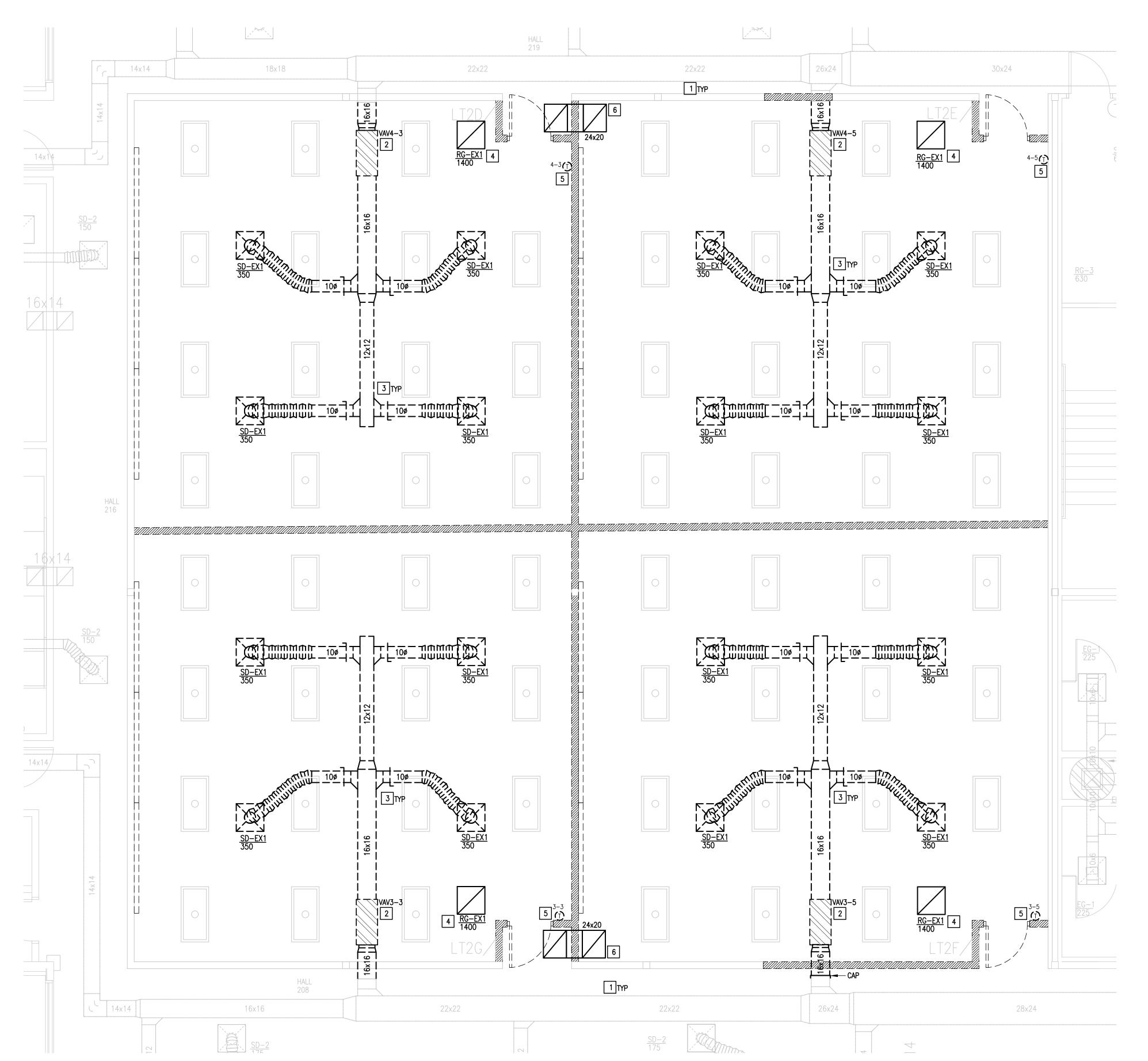
OWNER
SOUTH TEXAS COLLEGE
PROJECTADDRESS
3200 W PECAN BOULEVARD, MCALLEN, TEXAS

AUGUST 08, 2019

FLOOR FINISH PLAN SCALE: 1/4" = 1'-0"







MECHANICAL
01 DEMOLITION PLAN
SCALE: 1/4" = 1'=0"

## **DEMOLITION GENERAL NOTES:**

- 1. ALL DEMOLITION WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING THOSE PUBLISHED BY OSHA.
- 2. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE IS REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- 3. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL OF MECHANICAL EQUIPMENT AND ASSOCIATED DEVICES. PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- 4. COORDINATE DEMOLITION OF DIVISION 22 & 23 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- 5. ALL EXISTING EQUIPMENT REMOVED DURING CONSTRUCTION, THAT IS NOT TO BE REUSED, SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- 6. CONTRACTOR SHALL NOT DAMAGE STRUCTURAL INTEGRITY OF BUILDING ELEMENTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ENGINEER. CONTRACTOR SHALL GAIN CONSENT OF ENGINEER PRIOR TO COMPROMISING INTEGRITY OF STRUCTURAL BEAMS, IN WORK ASSOCIATED WITH BOTH DEMOLITION AND INSTALLATION.
- OWNER MAY WISH TO KEEP DEMOLISHED EQUIPMENT AND MATERIALS. COORDINATE OWNER, AND DISPOSE OF EQUIPMENT AND MATERIALS THAT OWNER DOES NOT
- 8. COORDINATE CUTTING AND PATCHING OF ARCHITECTURAL ELEMENTS WITH ARCHITECT.
- 9. WHERE EQUIPMENT IS INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPPED AT A CONCEALED LOCATION ONLY WHEN SERVICES ARE NOT TO BE REUSED. OTHERWISE PREPARE SERVICES FOR INSTALLATION OF NEW FIXTURES OR EQUIPMENT.
- 10. PRIOR TO LABELING EQUIPMENT, COORDINATE DESIGNATION AND IDENTIFICATION WITH OWNER AND BUILDING AUTOMATION SYSTEM.
- 11. ORIENT EXHAUST FANS TO MINIMIZE DUCTWORK. PROVIDE REQUIRED MODIFICATIONS FOR A COMPLETE AND SEAMLESS INSTALLATION.

#### **DEMOLITION KEYED NOTES:**

- 1 RETAIN AND REUSE EXISTING DUCTWORK AS SHOWN.
- 2 DEMOLISH EXISTING VAV BOX.
- 3 DEMOLISH EXISTING DUCTWORK AS SHOWN.
- RETAIN AND RELOCATE EXISTING RETURN AIR GRILLE. SEE NEW PLAN FOR NEW LOCATION. (TYPICAL)
- 5 DEMOLISH EXISTING THERMOSTAT.
- 6 RETAIN AND RELOCATE EXISTING TRANSFER DUCT ABOVE CEILING. SEE NEW PLAN FOR NEW LOCATION.

#### LEGEND

LLOLI	שו
<u>SD-EX</u> 150	EXISTING SUPPLY DIFFUSER TO REMAIN
RG-EX	EXISTING RETURN AIR GRILLE TO BE RELOCATED
SD-EX [7]	EXISTING SUPPLY DIFFUSER TO BE DEMOLISHED
6x6	EXISTING DUCTWORK TO REMAIN
{ 6x6 }	DUCTWORK TO BE DEMOLISHED
6x6	DUCTWORK TO BE RELOCATED
(Ţ)	EXISTING T-STAT TO BE DEMOLISHED
	EXISTING EQUIPMENT TO BE DEMOLISHED

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MECHANICAL DEMOLITION PLAN

PROJECTIANNE
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT

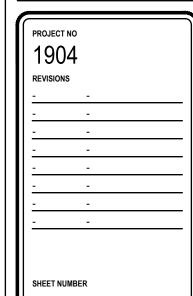
SOUTH TEXAS COLLEGE

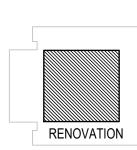
PROJECT ADDRESS

3200 W PECAN BOILI EVAR A SAN MALLEN TEXAS

3200 W PECAN BOILI EVAR A SAN MALLEN TEXAS

AUGUST 12, 2019





BUILDING M 2ND FLOOR

KEYPLAN

LIPUS

Engineering

119 W. VAN BUREN AVE. STE.101
PHONE: 956-230-3435
TEXAS REGISTERED
ENGINEERING FIRM
F-15998

#### COORDINATION

- GENERAL:

  a. CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND MECHANICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
- b. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR. COORDINATE MECHANICAL WITH OTHER TRADES SUCH AS PLUMBING, ELECTRICAL AND STRUCTURAL WORK. COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
- c. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING STAGE.
- d. PROVIDE COORDINATION DRAWINGS OF REFLECTED CEILING PLAN AND SECTION ABOVE CEILING SHOWING WORK OF ALL AFFECTED TRADES. DO NOT PROCEED WITH FABRICATION WORK UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED BY A/E.
- e. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

#### 2. SITE:

a. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING STAGE.

#### 3. ARCHITECTURAL:

- a. REFER TO ARCHITECTURAL PLANS FOR DETAILS OF CONSTRUCTION, INCLUDING BEAMS, FLOOR AND WALL PENETRATIONS, CHASES, AND REFLECTED CEILING PLANS. VERIFY OPENING SIZES WITH EQUIPMENT FURNISHED.
- b. SLEEVE ALL EXTERIOR WALL AND GRADE BEAM PENETRATIONS. GRADE BEAM PENETRATIONS SHALL BE MADE WITHIN MIDDLE 1/3 OF VERTICAL SPAN OF BEAM.
- c. SEAL AROUND DUCTS AND PIPING AT ALL WALLS, A/C ROOMS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE: SPECS. PROVIDE ESCUTCHEON PLATES AND

FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE, TO PROVIDE FINISHED LOOK.

- 4. SPATIAL COORDINATION:
- a. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
- b. IN CASE OF CONFLICTS, ITEMS SHALL BE ARRANGED ACCORDING TO THE FOLLOWING PRIORITIES: LIGHTING, FIRE PROTECTION, HVAC. PROVIDE OFFSETS/RISES/DROPS REQUIRED TO RESOLVE CONFLICTS WITH OTHER UTILITIES, AND TO ACCOMMODATE ALL UTILITIES ABOVE CEILINGS.
- c. IN GENERAL, REROUTE SMALLER DUCTS/PIPES THROUGH JOISTS TO RESOLVE CONFLICTS WITH LARGER. PERFORM REROUTING IN MOST EFFICIENT MANNER POSSIBLE, AND IN ACCORDANCE WITH INDUSTRY STANDARDS.
- d. PROVIDE COORDINATION DRAWINGS OF REFLECTED CEILING PLAN AND SECTION ABOVE CEILING SHOWING WORK OF ALL AFFECTED TRADES. DO NOT PROCEED WITH FABRICATION WORK UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED BY A/E.
- e. IN GENERAL ROUTE DUCTS/PIPES IN MOST EFFICIENT MANNER POSSIBLE, AND IN ACCORDANCE WITH INDUSTRY STANDARDS.
- f. SEE ELECTRICAL PLANS FOR EXACT LOCATION OF ELECTRICAL PANELS TO AVOID DUCTWORK AND PIPING RUNNING OVER THESE AREAS. COORDINATE WITH ELECTRICAL CONTRACTOR.
- g. LOCATE AIR DEVICES AS SHOWN. COORDINATE WITH OTHER TRADES TO AVOID CONFLICT AND ADJUST LOCATION IF NEEDED WITHOUT COMPROMISING AIR DEVICES PERFORMANCE.

#### **GENERAL NOTES**

- 1. CONTRACT RELATED:
  a. COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
- b. WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
- c. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

#### **DUCTWORK:**

- 1. DUCTWORK GENERAL:
- a. DRAWINGS ARE DIAGRAMMATIC IN NATURE. FOR CLARITY SAKE, MOST DUCT OFFSETS/RISES/DROPS ARE NOT SHOWN. WHERE DUCTS PENETRATE WALLS, INSTALL THEM PERPENDICULAR TO WALL.
- b. RECTANGULAR AND ROUND DUCTWORK SHALL BE GALVANIZED STEEL. SIZES SHOWN ARE INSIDE CLEAR DIMENSION, UNLESS NOTED OTHERWISE.
- c. VERIFY BOTTOM OF DUCT ELEVATION AND COORDINATE WITH OTHER TRADES.
- d. CONSTRUCT AND LEAKAGE TEST ALL DUCTWORK BASED ON SPECIFICATIONS AND SMACNA REQUIREMENTS, WHICHEVER IS MORE STRINGENT. COORDINATE PRESSURE CLASSES WITH EQUIPMENT SCHEDULES.
- e. FLEXIBLE DUCTS MAXIMUM LENGTH SHALL NOT EXCEED 6 FEET. USE OF FLEXIBLE DUCTWORK IS LIMITED TO AREAS WITH AN ACCESSIBLE SUSPENDED CEILING. PINCHED DUCT WILL HAVE TO BE REPLACED.
- f. LOCATE AIR DEVICES AS SHOWN. COORDINATE WITH ELECTRICAL, IF NEEDED. RELOCATE DIFFUSER TO ADJACENT TILE.

### CODES & ORDINANCES:

- 1. GENER
- d. UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS, PERFORM ALL WORK PER APPLICABLE VERSION OF INTERNATIONAL BUILDING CODES, AND LOCAL CODES AND ORDINANCES.
- b. PRIOR TO SUBMITTING PROPOSAL, NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.

#### 2. PERMITS:

- CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
- b. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
- 3. APPROVALS AND INSPECTIONS:
- a. OBTAIN APPROVAL FROM CITY FIRE DEPARTMENT AND BUILDING AND SAFETY DEPARTMENT PRIOR TO INSTALLATION OF ANY FIRE RELATED ITEMS.

#### EQUIPMENT:

- 1. EQUIPMENT INSPECTION:

  a. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
  - b. ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY EQUIMENT CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.
- c. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.

#### 2. EQUIPMENT ACCESS:

- a. FOR EQUIPMENT WHICH MAY REQUIRE PERIODIC SERVICING AND WHICH IS LOCATED ABOVE A SUSPENDED CEILING, CONTRACTOR IS TO PROVIDE A MARKER ON CEILING GRID WHICH CLEARLY INDICATES WHICH CEILING TILE IS TO BE REMOVED TO MOST CONVENIENTLY ACCESS EQUIPMENT SIDE NEEDING SERVICING. THE MARKER IS TO BE ROUND DOT OF HEAVY DUTY COLORED PAPER, WITH DIRECTION INDICATION, WITH ADHESIVE BACKING. OBTAIN OWNER APPROVAL FOR COLOR, SIZE, AND TYPE PRIOR TO INSTALLATION.
- b. PROVIDE MANUFACTURER RECOMMENDED AND CODE ENFORCED CLEARANCES AROUND

b. AFFIX ID TAGS TO ALL MECHANICAL EQUIPMENT PER SPECIFICATIONS.

- c. INSTALL ALL VALVES, CONTROLS, DAMPERS, FANS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE ADEQUATELY SIZED ACCESS DOORS WHERE REQUIRED.
- 3. EQUIPMENT INSTALLATION:
  a. PROVIDE SPRING HANGER TYPE VIBRATION ISOLATORS TO SUPPORT SUSPENDED AHUS, FANS
- AND OTHER POWERED VIBRATING EQUIPMENT. PROVIDE FLEXIBLE DUCT CONNECTORS.

#### 4. ELECTRICAL:

- a. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ELECTRICAL CONTRACTOR REGARDING EQUIPMENT SIZES AND TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED.
- b. Due to variations in equipment characteristics by different equipment suppliers, mechanical equipment ultimately provided may differ in horsepower or amperage requirements from that specified in these drawings. Coordinate with general contractor prior to bidding, and prior to submittals and ordering equipment, to ensure that equipment electrical requirements are conveyed to electrical contractor. It is solely contractor's responsibility to ensure compatibility issues are coordinated.

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# L GENERAL NOTES LEGEND & ABBREVIATIONS S BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-

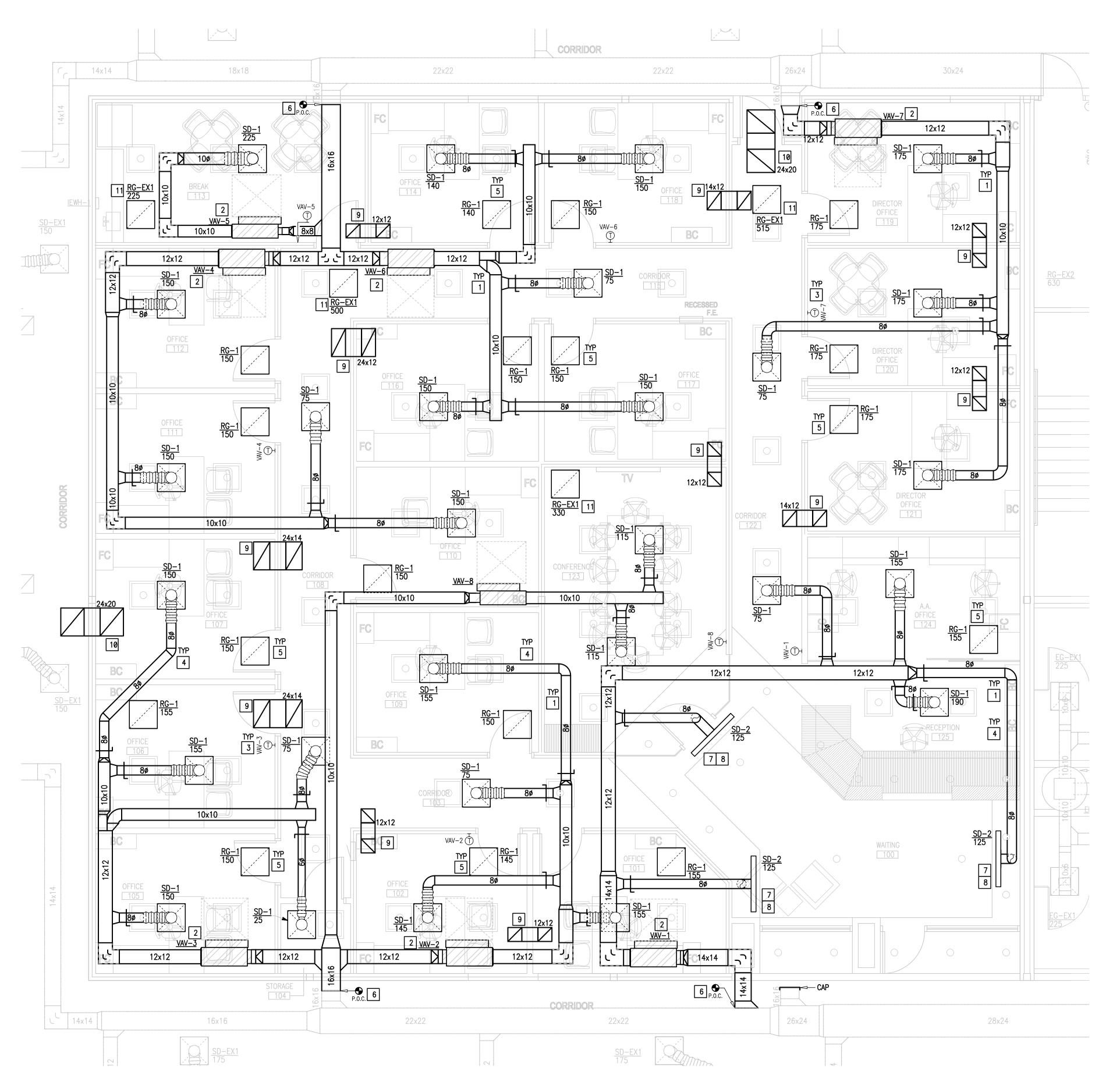
# **ABBREVIATIONS**

Α	AMPS	ENT.	ENTERING	NTS	NOT TO SCALE
ACT	ACTUATOR	EXT.	EXTERNAL OR EXTERIOR	OA	OUTSIDE AIR
AFF	ABOVE FINISHED FLOOR	FD	FIRE DAMPER	PH	PHASE
B.	ВОТТОМ	FPI	FINS PER INCH	RA	RETURN AIR
ВОР	BOTTOM OF PIPE	G.	GROUND	RAG/RG	RETURN AIR GRILLE
вотт.	ВОТТОМ	GA.	GAGE	RM.	ROOM
CLG.	CEILING	GALV.	GALVANIZED	SA	SUPPLY AIR
COMB.	COMBINATION	GRND.	GROUND	SS	STAINLESS STEEL
CONC.	CONCRETE	HP	HORSEPOWER	TAB	TESTING & BALANCING
COND.	CONDUIT	HS	HUMIDITY SENSOR	T.O.L.	TOP OF LOUVER
CW	CITY WATER	HVAC	HEATING, VENTILATION, & AIR CONDITIONING	TS	TEMPERATURE SENSOR
DDC	DIRECT DIGITAL CONTROLS	LVG.	LEAVING	TSTAT	THERMOSTAT
DMPR.	DAMPER	MECH	MECHANICAL	UG	UNDERGROUND
EAG/EG	EXHAUST AIR GRILLE	NC	NORMALLY CLOSED	UNO	unless otherwise noted
EMS	ENERGY MANAGEMENT SYSTEM	NO	NORMALLY OPEN	٧	VOLTS

### MECHANICAL SYMBOLS LEGEND

12x12	DUCT SIZE: FIRST FIGURE IS SIDE SHOWN	Ū	THERMOSTAT
(12x12)	BELOW DUCT SIZE: FIRST FIGURE IS SIDE SHOW	N ®H	SPACE HUMIDITY SENSOR
<del>-</del>	DIRECTION OF FLOW-RETURN	RH	DUCT HUMIDITY SENSOR
-	DIRECTION OF FLOW-SUPPLY	©	SPACE CARBON DIOXIDE SENSOR
		§P	STATIC PRESSURE SENSOR
FD	FIRE DAMPER	С	DUCT CARBON DIOXIDE SENSOR
	FLEXIBLE DUCT		BACKDRAFT DAMPER
EG-X cfm	EXHAUST AIR GRILLE		
RG/TG-X cfm	RETURN AIR/TRANSFER AIR GRILLE	SD-X cfm	SUPPLY AIR DIFFUSER
		Щ	SIDE TAP WITH DAMPER





NEW
01 MECHANICAL PLAN
SCALE: 1/4" = 1'=0"

#### MECHANICAL KEYED NOTES:

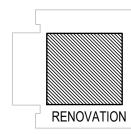
- 1 DUCTWORK ROUTING SHOWN IS DIAGRAMMATIC IN NATURE. FIELD-VERIFY STRUCTURE AND SPACE AVAILABILITY PRIOR TO SUBMITTING SHOP DRAWINGS. COORDINATE WITH ARCHITECT AND ENGINEER IN CASE OF CONFLICTS. (TYPICAL)
- 2 PROVIDE VAV TERMINAL UNIT AS SCHEDULED, PROVIDE DUCT TRANSITION AS NEEDED. MAINTAIN MINIMUM 4'-0" STRAIGHT DUCT SECTION UPSTREAM OF BOX AND MINIMUM 3'-0" CLEARANCE IN FRONT OF THE ACCESS PANEL. SUPPORT WITH GALVANIZED ALL-THREAD AS SHOWN IN DETAIL.
- 3 PROVIDE THERMOSTAT WHERE INDICATED. INSTALL 48" A.F.F. COORDINATE WITH ARCHITECT AND OWNER TO MEET ADA REQUIREMENTS. (TYPICAL)
- 4 PROVIDE ROUND SPIRAL LOCK—SEAM DUCT. LONGITUDINAL SEAM TYPE IS NOT ACCEPTABLE. (TYPICAL)
- PROVIDE RETURN AIR GRILLE IN LAY-IN CEILING, OPEN TO PLENUM. REFER TO DETAIL FOR RETURN AIR DUCT BOOT REQUIREMENTS. REFER TO DETAIL SHEET FOR MORE INFORMATION.
- 6 CONNECT NEW SUPPLY AIR DUCT INTO EXISTING SUPPLY AIR DUCT AT THIS APPROXIMATE LOCATION.
- 7 PROVIDE LINEAR DIFFUSER AS SCHEDULED. PROVIDE FIELD FABRICATED INSULATED PLENUM BOX BEHIND AIR DEVICE.
- 8 COORDINATE INSTALLATION OF LINEAR DIFFUSERS WITH ARCHITECTURAL FUR-DOWN.
- 9 TRANSFER DUCT ABOVE CEILING. DUCT TO BE INTERNALLY LINED. RE:2/M2.1 FOR TRANSFER AIR DETAIL. REFER TO DETAIL SHEET FOR MORE INFORMATION.
- 10 RELOCATE TRANSFER DUCT ABOVE CEILING AS SHOWN.
- 11 RELOCATE RETURN AIR GRILLE TO NEW CEILING GRID AS SHOWN.

ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY MAY NOT BE REUSED, REPRODUCED OR ALTERED IN ANY WAY WITHOUT PRIOR WRITTEN APPROVAL FROM AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.





AUGUST 12, 2019



BUILDING M 2ND FLOOR

KEYPLAN



#### VAV BOX SCHEDIII E

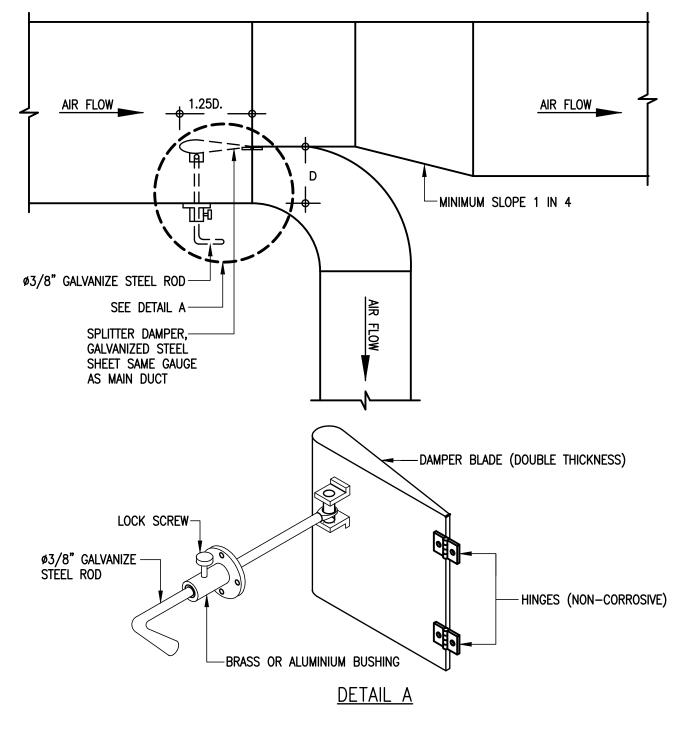
	SERVING	MAXIMUM	MIN. ELEC.	ELECTRICAL	ELECTRIC	UNIT PD	MIN. COOLING	MANUF.	MODEL	
MARK	SPACE	CFM	HEAT KW	V/P/H	HEAT STEPS	(IN WG)	FLOW (%)	MODEL SERIES	SIZE	NOTES
	SEE			•				TITUS		
VAV-1	PLAN	795	4.5	480/3/60	2	_	30%	DESV	12	ALL
	SEE							TITUS		1
VAV-2	PLAN	530	3.0	480/3/60	2	_	30%	DESV	12	ALL
	SEE							TITUS		
VAV-3	PLAN	555	3.5	480/3/60	2	_	30%	DESV	12	ALL
	SEE							TITUS		
VAV-4	PLAN	525	3.0	480/3/60	2	_	30%	DESV	12	ALL
	SEE							TITUS		
VAV-5	PLAN	225	1.5	277/1/60	1	_	30%	DESV	8	ALL
	SEE							TITUS		
VAV-6	PLAN	665	4.0	480/3/60	2	_	30%	DESV	12	ALL
	SEE							TITUS		
VAV-7	PLAN	600	3.0	480/3/60	2	_	30%	DESV	12	ALL
	SEE							TITUS		
8-VAV	PLAN	230	1.5	277/1/60	1	_	30%	DESV	8	ALL

- COORDINATE WITH DRAWINGS FOR RIGHT OR LEFT-HAND CASING CONFIGURATION PRIOR TO ORDERING.
- PROVIDE VAV TERMINAL UNIT WITH 24V TRANSFORMER AND FUSIBLE INTEGRAL DISCONNECT. COORDINATE INLET AND OUTLET DIMENSIONS WITH PLANS. PROVIDE "RECTANGULAR TO ROUND"
- TRANSITIONS FOR INLET CONNECTIONS AS SHOWN ON DRAWINGS.
- FURNISH VAV BOXES LESS THAN 14" DEEP.
- FURNISH WITH SLIP AND DRIVE CONNECTIONS. MINIMUM AIR FLOW SHALL BE 50% DURING HEATING MODE.
- PROVIDE [5/8" THICK FOIL FACED FIBERGLASS BOARD] OR [3/4" THICK FIBER FREE FOAM INSULATION]
- PROVIDE CROSSFLOW INLET AIR VELOCITY SENSOR OR EQUAL.

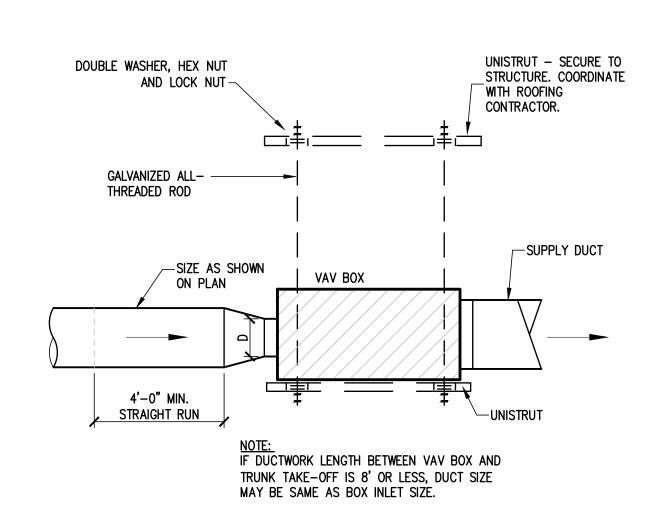
#### AIR DEVICE & DIFFUSER SCHEDULE

	TITUS OMNI-AA		DESCRIPTION: ALUMINUM SQUARE CEI	LING DIFFUSER.			
	NC < 20		BORDER TYPE 3, COLOR WHITE WITH ROUND NECK AND				
	\ 20		FULL FACE				
CLG. MODULE	FACE	ROUND NECK	FLEX	DIFFUSER			
SIZE	SIZE	SIZE	DUCT	DIFFUSION	NOTES		
INCHES	INCHES		SIZE	PATTERN & CFM			
		TO MATCH					
24 X 24	24 X 24	NC CRITERIA	SEE PLAN	SD1-CFM	1-5		
SUPPLY AIR DIFFL	JSER (SD-2) TITUS ML-39		DESCRIPTION: HIGH PERFORMANCE, L	INEAR SLOT DIFFUSER			
	NC < 17		WITH FIELD FABRICATED PLENUM. SEI				
CFM		SIZE	(ACTIVE SECTION)	DIFFUSER			
RANGE	# SLOTS	OF SLOTS	PLENUM LENGTH	DIFFUSION	NOTES		
	"	INCHES	INCHES	PATTERN & CFM			
0-160	2	1	48"	SD2-CFM	1-6		
RETURN AIR GRILI							
	TITUS 50F		DESCRIPTION: ALUMINUM GRID EGGCR				
	NC < 20		BORDER TYPE 3 (LAY-IN) OR BORDE	R TYP 1 (SURFACE MOUNT)	· .		
CFM	CLG. MODULE	NOMINAL DUCT SIZE	DIFFUSER				
RANGE	SIZE	INCHES	DIFFUSION		NOTES		
	INCHES	(INLET)	PATTERN & CFM				
0 - 1600	24 X 24	18 X 18	RG1-CFM (RETURN AIR GRILLES ONL	Y)	1,4,5		

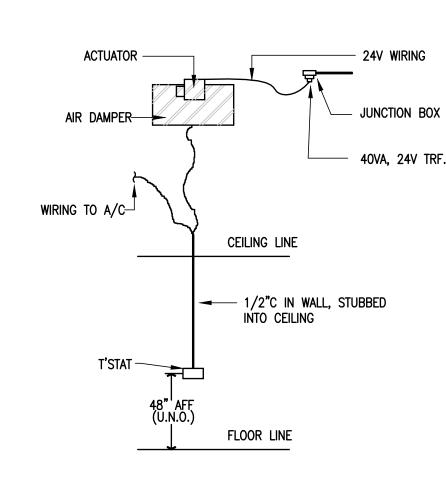
- PROVIDE MANUFACTURER'S STANDARD BAKED WHITE ENAMEL FINISH.
- PROVIDE FULL SIZE BACK PAN WITH DUCT ADAPTER.
- INSULATE BACK PAN ON ALL SUPPLY AIR DIFFUSERS AND GRILLES.
- PROVIDE MOUNTING FRAME TYPE COMPATIBLE WITH SCHEDULED CEILING OR WALL (SURFACE OR LAY-IN).
- AIR DEVICES SHALL MATCH ARCHITECTURAL FINISH. COORDINATE COLOR WITH ARCHITECT.
- PROVIDE BORDER TYPE 2B, WITH FLANGE BORDER.



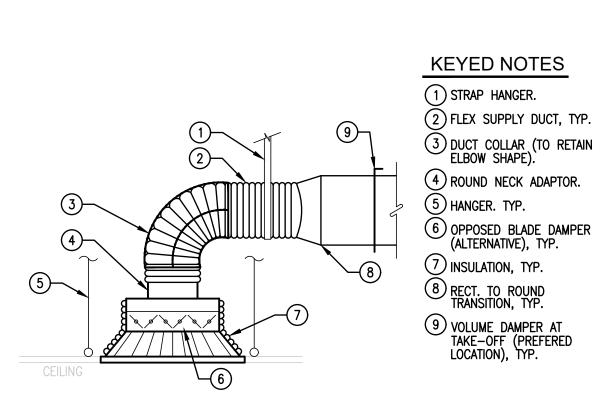
# 01 WYE FITTING WITH DAMPER DETAIL



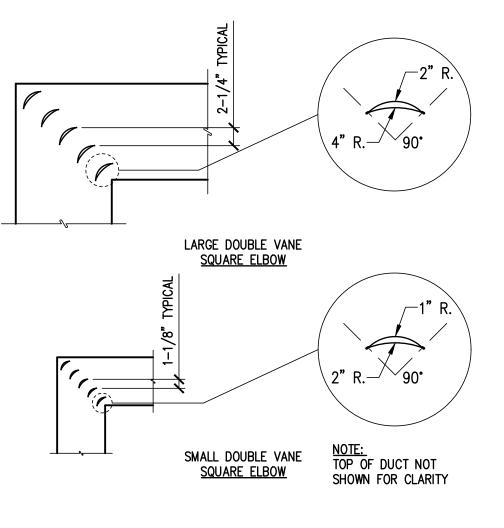
02 TYPICAL VAV BOX DUCT CONNECTION



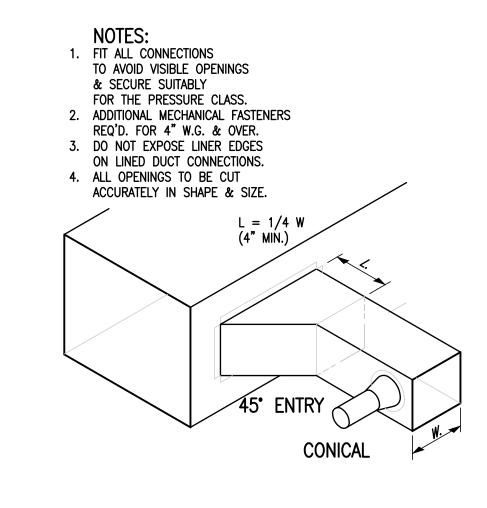
03 TYPICAL VAV SYSTEM DETAIL
SCALE: NOT TO SCALE



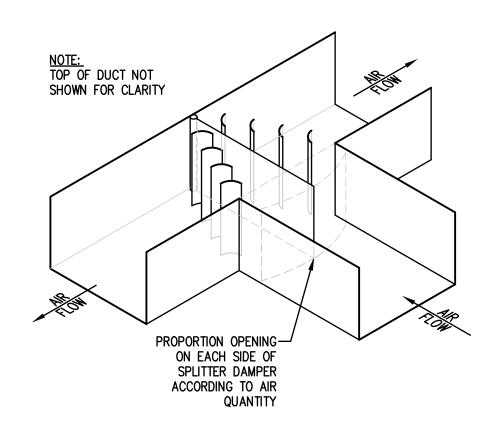
04 CEILING DIFFUSER SUPPORT



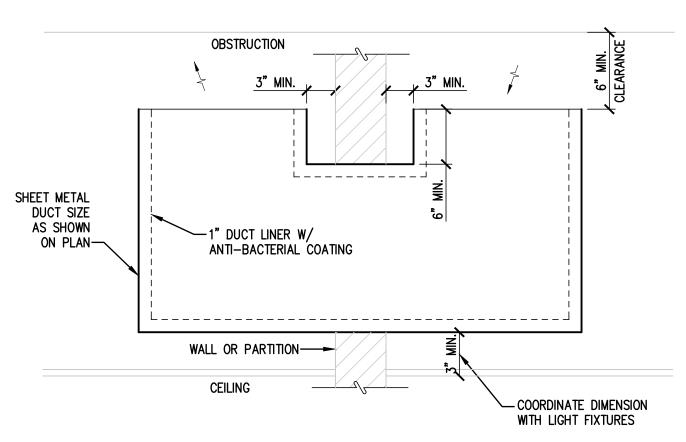
05 TYPICAL VANED DUCT ELBOWS



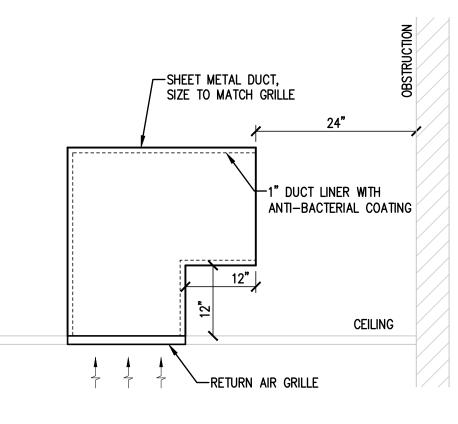
06 BRANCH CONNECTION DETAILS



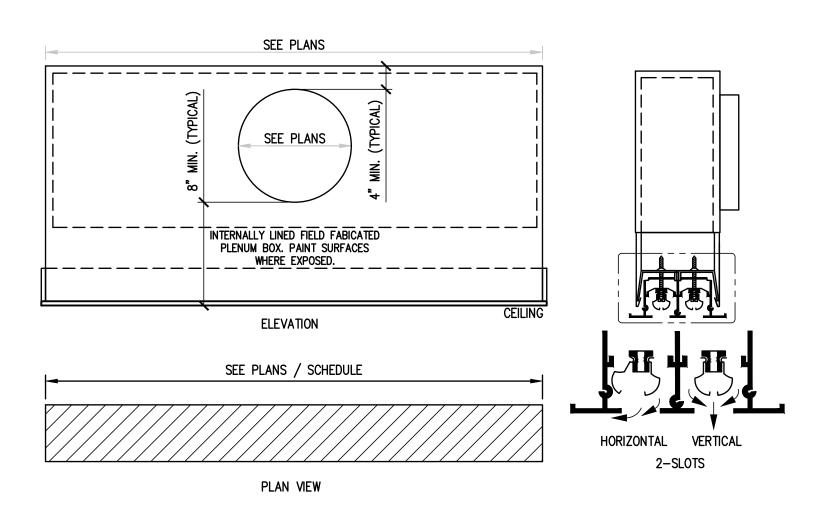
07 TYPICAL SPLITTER DAMPER



08 TRANSFER DUCT DETAIL
SCALE: NOT TO SCALE



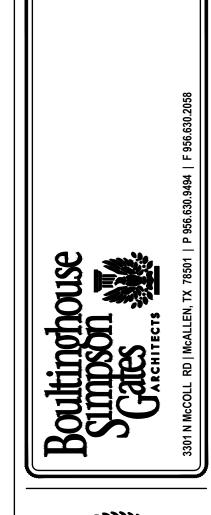
09 RETURN AIR GRILLE SCHEMATIC



10 LINEAR SLOT DIFFUSER DETAIL



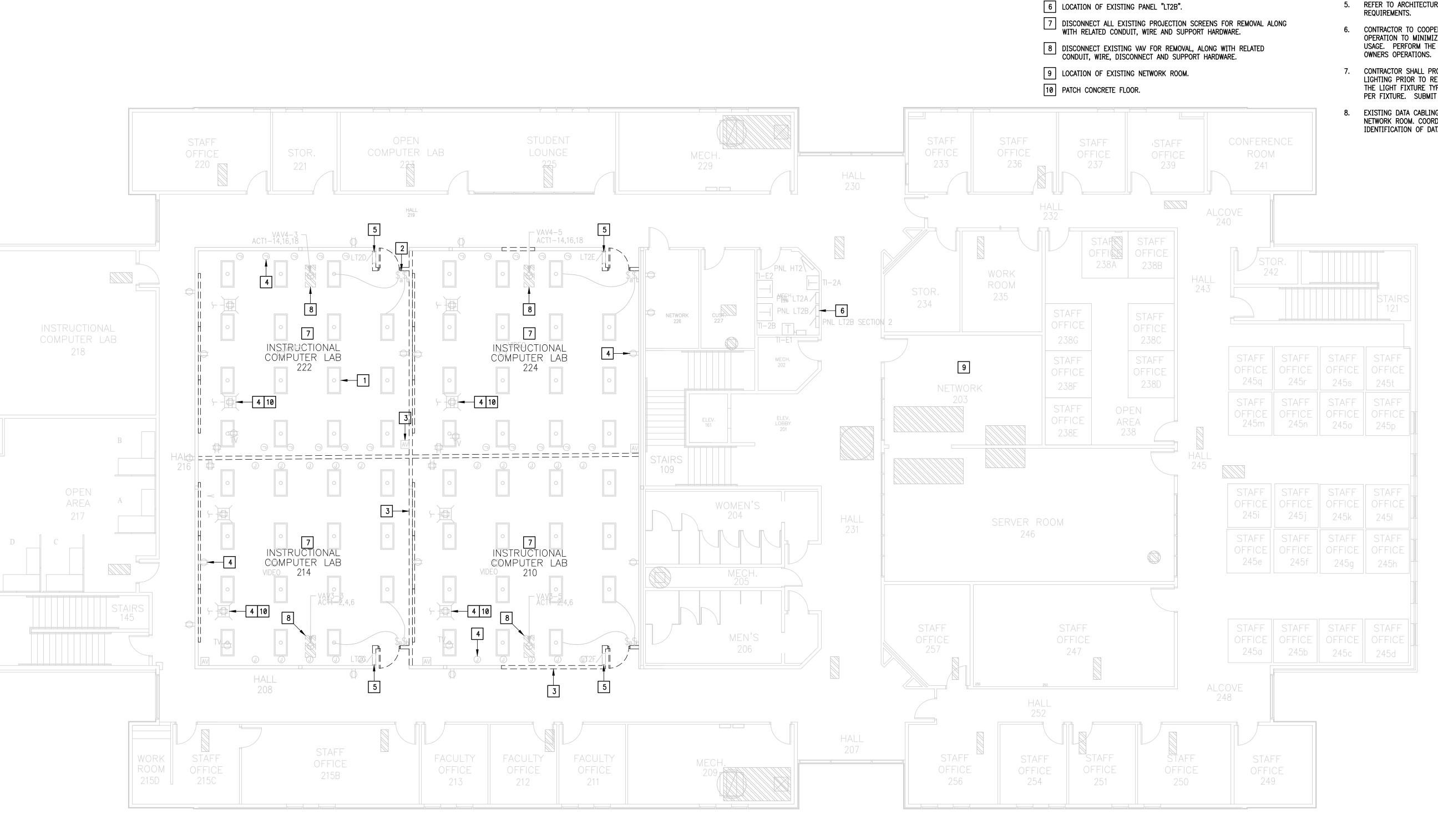
ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY MAY NOT BE REUSED, REPRODUCED OR ALTERED IN ANY WAY WITHOUT PRIOR WRITTEN APPROVAL FROM AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.



CESAR A. GONZALEZ

-1010

**DETAILS** ∞ర SCHEDULES



01 ELECTRICAL DEMOLITION PLAN

#### **GENERAL NOTES:**

**KEYED NOTES:** 

1 DISCONNECT EXISTING LIGHT FIXTURE FOR REMOVAL ALONG WITH

2 DISCONNECT EXISTING LIGHT SWITCHES FOR REMOVAL ALONG WITH RELATED CONDUIT, WIRE AND SUPPORT HARDWARE - TYPICAL.

3 DISCONNECT ALL EXISTING ELECTRICAL AND SPECIAL SYSTEMS (FIRE

4 DISCONNECT EXISTING ELECTRICAL RECEPTACLES AND JUNCTION BOXES

5 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL ALONG WITH

FOR REMOVAL ALONG WITH RELATED WIRE - TYPICAL.

RELATED CONDUIT, WIRE AND SUPPORT HARDWARE.

ALARM, INTRUSION, VOICE/DATA, ETC.) DEVICES LOCATED ON EXISTING WALLS AND CEILINGS FOR REMOVAL ALONG WITH RELATED CONDUIT,

LIGHTING INVENTORY AS PER GENERAL NOTES - TYPICAL.

WIRE AND SUPPORT HARDWARE - TYPICAL.

RELATED CONDUIT, WIRE AND SUPPORT HARDWARE. PROVIDE A

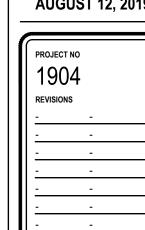
- REMOVED MATERIALS SHALL BELONG TO OWNER. DELIVER THEM TO OWNERS DESIGNATED LOCATION. IF OWNER DOES NOT WANT THE REMOVED MATERIALS THEN REMOVE THEM FROM SITE & PROPERLY
- DISPOSE OF THEM. CONTRACTOR SHALL REMOVE & DISPOSE OF ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT & WIRING IN AREAS WHERE

WORK IS TO TAKE PLACE, EVEN IF NOT SPECIFICALLY INDICATED IN THIS DRAWING, UNLESS NOTED OTHERWISE IN DRAWINGS.

- REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR WALLS AND CEILINGS TO BE REMOVED.
- 4. IF REMOVAL OF EXISTING ELECTRICAL SYSTEMS RENDERS EXISTING ELECTRICAL SYSTEMS DOWNSTREAM TO REMAIN INOPERABLE, PROVIDE J-BOXES, CONDUIT WIRING AND SPLICES ABOVE ACCESSIBLE CEILINGS IN ORDER TO CONTINUE OPERATION.
- REFER TO ARCHITECTURAL SPECIFICATIONS FOR PHASING
- CONTRACTOR TO COOPERATE WITH OWNER DURING CONSTRUCTION OPERATION TO MINIMIZE CONFLICTS AND FACILITATE OWNER USAGE. PERFORM THE WORK SO AS NOT TO INTERFERE WITH
- CONTRACTOR SHALL PROVIDE AN INVENTORY OF ALL EXISTING LIGHTING PRIOR TO REMOVAL. CONTRACTOR SHALL NOTE BY ROOM THE LIGHT FIXTURE TYPE & QUANTITY, LAMP TYPE AND QUANTITY PER FIXTURE. SUBMIT INVENTORY TO ENGINEER.
- EXISTING DATA CABLING TO BE REMOVED BACK TO DATA RACK IN NETWORK ROOM. COORDINATE WITH OWNER FOR REMOVAL AND IDENTIFICATION OF DATA CABLING.

RAY PEYNADO 8.12.2019 Ò

WORK SPACE RENOV. ELECTRICAL DEMOLITION PLAN
PROJECT NAME
PECAN CAMPUS BLDG M OFFICE & WORK
SOUTH TEXAS COLLEGE
PROJECT ADDRESS
2200 W DECAN DOWN BECAN DOWN BECA



KEYPLAN engineering
119 W. VAN BUREN AVE. STE.101 TEXAS REGISTERED ENGINEERING FIRM

RENOVATION

BUILDING M 2ND FLOOR

ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY MAY NOT BE REUSED, REPRODUCED OR ALTERED IN ANY WAY WITHOUT PRIOR WRITTEN APPROVAL FROM AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.

THESE DRAWINGS AND SPECIFICATIONS

#### SCOPE OF WORK:

- 1. <u>GENERAL:</u> THE "SOUTH TEXAS COLLEGE BUILDING "M" INFORMATION TECHNOLOGY BUILDING OFFICE AND WORKSPACE RENOVATION" CONSISTS OF AN EXISTING BUILDING REMODEL APPROXIMATELY 4,286 FT2.
- 2. ELECTRICAL: PROVIDE ALL MATERIALS AND LABOR ASSOCIATED WITH COMPLETE OPERATIONAL ELECTRICAL DISTRIBUTION SYSTEM. MAJOR ITEMS OF WORK INCLUDE, BUT ARE NOT LIMITED TO:
- (a) ELECTRICAL SERVICE: EXISTING DISTRIBUTION PANELBOARDS TO REMAIN WITH MODIFICATIONS.
- (b) DEMOLITION: PROVIDE AS NOTED ON DRAWINGS.
- (c)LIGHTING SYSTEMS: INTERIOR LIGHTING SYSTEM SHALL CONSIST OF LED TYPE. (d) POWER SYSTEMS: PROVIDE MISCELLANEOUS DUPLEX RECEPTACLES AND CONNECTIONS FOR H.V.A.C. EQUIPMENT.
- (e)FIRE ALARM SYSTEM: EXPAND/MODIFY EXISTING ADDRESSABLE CONTROL CAPABILITIES TO ACCOMMODATE NEW INDICATING AND INITIATING DEVICES. INDICATING DEVICES SHALL BE PROVIDED TO COMPLY WITH TDLR.
- (f) COMMISSIONING: PROVIDE FOR THE LIGHTING EQUIPMENT AND LIGHTING CONTROLS AS REQUIRED PER IECC 2015. (q) COMMUNICATION AND DATA PROCESSING EQUIPMENT: PROVIDE ROUGH-INS ONLY. CABLING, CONNECTORS, PATCH PANELS, RACKS,

#### SUBMITTALS

- 1. MISCELLANEOUS ELECTRICAL SUBMITTAL #1 a. 260519 LOW-VOLTAGE ELECTRICAL" POWER CONDUCTORS AND CABLES
- b. 260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
- c. 260529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS d. 260533 RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
- e. 260553 IDENTIFICATION FOR ELECTRICAL SYSTEMS f. 260544 SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING
- g. 262726 WIRING DEVICES
- 2. ELECTRICAL GEAR SUBMITTAL #4 a. 262816 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
- 3. LIGHT FIXTURES SUBMITTAL #5 a. 265116 INTERIOR L'IGHTING
- b. 265219 EMERGENCY AND EXIT LIGHTING
- c. 260923 LIGHT CONTROL DEVICES
- 4. SPECIAL SYSTEMS: SUBMITTAL #6 a. 267210 FIRE ALARM SYSTEM
- 5. ELECTRICAL COMMISSIONING SUBMITTAL #7 a. 260800 COMMISSIONING FOR ELECTRICAL SYSTEMS

**GENERAL NOTES:** 

- COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
- 2. FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING ANY
- 3. COORDINATE ELECTRICAL, MECHANICAL AND PLUMBING WITH GENERAL CONSTRUCTION.
- 4. PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER ARCHITECTURAL DRAWINGS AND
- 5. FIELD VERIFY/SPOT EXACT LOCATIONS AND EXISTING CONDITIONS OF EXISTING PLUMBING, AND ELECTRICAL. IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE AND WORKABLE SYSTEMS. SHOULD BIDDER FIND OMISSIONS OR DISCREPANCIES IN THE PLANS, BIDDER SHALL NOTIFY THE ENGINEER PRIOR TO THE BID DATE AND A WRITTEN CLARIFICATION WILL BE ISSUED.
- 6. DAMAGED ITEMS SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. CONTRACTORS ARE REQUIRED TO SEARCH AND INVESTIGATE FOR EXISTING UTILITIES.
- 7. ALL MATERIALS AND LABOR, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT, WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND FUNCTION OF THE SYSTEM SHALL BE FURNISHED BY THIS CONTRACTOR. INCLUDE ALL COSTS OF CHANGES, IF/AS REQUIRED IN BID PROPOSAL.
- 8. PROVIDE J-BOXES AS REQUIRED FOR PULL WIRING.
- 9. PERFORM ALL WORK PER LATEST VERSION OF NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES AND ORDINANCES, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
- 10. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
- 11. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
- 12. NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
- 13. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
- 14. SEAL AROUND ELECTRICAL RACEWAYS AT ALL WALLS, A/C ROOMS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE: SPECS. PROVIDE FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE. TO PROVIDE FINISHED LOOK.
- 15. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING PHASE.
- 16. CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND ELECTRICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
- 17. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
- 18. AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
- 19. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH MECHANICAL AND PLUMBING CONTRACTOR REGARDING EQUIPMENT SIZES AND TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED.
- 20. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO
- ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION. 21. ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY THEIR CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING
- 22. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO
- 23. WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
- 24. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.

#### LIGHTING SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	2'X2' LIGHT FIXTURE — TYPE AS NOTED	
	EMERGENCY 2'X2' LIGHT FIXTURE—TYPE AS NOTED CONNECT BATTERY PACK TO BE ON AT ALL TIMES (UNSWITCHED)	
0	PENDANT OR RECESSED LIGHT FIXTURE — TYPE AS NOTED	
<b>⊗ ₽</b>	SINGLE FACE EXIT SIGN CEILING OR WALL MOUNTING (DIRECTIONAL ARROWS WHERE INDICATED)	12" ABV. EGRESS OPENING

#### WIRING DEVICES SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
<del>•</del>	DUPLEX RECEPTACLE TAMPER RESISTANT — HUBBELL MODEL #8300XTR	18"AFF
ō	JUNCTION BOX W/ BLANK COVERPLATE	AS REQUIRED
<b>⊕</b> FS	DUPLEX RECEPTACLE FOR FLAT SCREEN — HUBBELL MODEL #CR5352X SEE FLAT SCREEN SPECIAL SYSTEMS SYMBOL FOR BACK BOX	72*AFF
<b>⊕</b> AC	DUPLEX RECEPTACLE TAMPER RESISTANT — HUBBELL MODEL #8300XTR MOUNT @ +4" HORIZONTALLY ABOVE COUNTER BACKSPLASH (U.N.O.)	4"ACB
<b>Φ</b>	QUADPLEX RECEPTACLE	48"AFF
S <sub>T</sub>	1P TOGGLE SWITCH-THERMAL TYPE - CUTLER HAMMER "MS" SERIES W/ RED PILOT LIGHT & HANDLE GUARD/LOCK OFF WITHOUT OVERLOADS.	AS REQUIRED

- 1.) U.N.O. INDICATES UNLESS NOTED OTHERWISE.
- 18" AFF INDICATES TO TOP OF DEVICE; ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

#### **GENERAL SYMBOL LEGEND:**

SYMBOL	DESCRIPTION	MNTG. HT. UNO
ď	DISCONNECT SWITCH — FUSED	AS REQUIRED
0	EQUIPMENT CONNECTION	AS REQUIRED
Here	CONDUIT OR EMT HOMERUN TO PANELBOARD CONCEALED IN WALLS OR ABOVE CEILING. LONG CROSSMARKS DENOTE NUMBER OF "HOT" CONDUCTORS SHORT CROSSMARKS INDICATE NEUTRALS AND DOTS INDICATE NUMBER OF GROUND CONDUCTORS. ARROW INDICATES HOME RUN TO ELECTRICAL PANEL.	AS REQUIRED
	ELECTRICAL PANELBOARD — SURFACE MOUNTED	AS REQUIRED

#### FLOOR BOX SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	POKE-THROUGH FLOOR BOX W/ COVER PLATES FOR WIRING DEVICES AS INDICATED. PROVIDE SPECIAL SYSTEMS RACEWAYS AS NOTED ON A/V DRAWINGS AND A 1" RACEWAY FOR DATA. PROVIDE BLANK COVERS FOR UNUSED COMPARTMENTS — WIREMOLD MODEL LEGRAND 8ATC2PAA.	FLOOR

#### FIRE ALARM SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
PS	FIRE ALARM MANUAL PULLSTATION — PROVIDE BACKBOX WITH 1/2"C AND PULLWIRE.	
	FIRE ALARM STROBE HORN CEILING OR WALL MOUNTED - PROVIDE 15/75 CANDELA U.N.O PROVIDE BACKBOX WITH 1/2"C AND PULLWIRE.	80"AFF
$\bigcirc$	FIRE ALARM STROBE LIGHT CEILING OR WALL MOUNTED — PROVIDE BACKBOX WITH 1/2"C AND PULLWIRE.	80"AFF
(3) H(3)	FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED — PROVIDE BACKBOX WITH 1/2"C AND PULLWIRE.	CLG.

1.) 48" AFF INDICATES TO TOP OF DEVICE; ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

### SPECIAL SYSTEMS SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	3-GANG FLAT SCREEN OUTLET - PROVIDE LARGE CAPACITY WALL BOX HUBBEL MODEL NO. HBL263 WITH 1.5" RACEWAY STUBBED INTO ACCESSIBLE CLG., PULL WIRE, MUD RING AND HBL981 LOW VOLTAGE DIVIDER.	72 <b>"</b> AFF
•	VOICE OVER IP/DATA OUTLET — PROVIDE BACK BOX W/ 1" RACEWAY STUBBED INTO ACCESSIBLE CLG. W/ PULL WIRE — SEE DETAIL.	18"AFF
⊢₩B	PROVIDE LARGE CAPACITY WALL BOX CHIEF MODEL NO. PAC525FC WITH FLANGE COVER AND 1.5" RACEWAY STUBBED INTO ACCESSIBLE CLG., PULL WIRE, MUD RING AND HBL981 LOW VOLTAGE DIVIDER.	66"AFF
<b>▽</b> WAP	WIRELESS ACCESS POINT — PROVIDE BACK BOX WITH 1" RACEWAY STUBBED INTO ACCESSIBLE CLG. WITH PULL WIRE — SEE DETAIL.	CLG.

- 1.) 48" AFF INDICATES TO TOP OF DEVICE;
- ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

#### **ACUITY CONTROL SYMBOLS:**

S <sub>vs</sub>	VACANCY DIMMING WALL SENSOR SWITCH — ACUITY MODEL #WSX PDT D SA X. PROVIDE 0-10V SIGNAL WIRE IN RACEWAY FROM SWITCH TO EACH CONTROLLED LIGHT FIXTURE.	48"AFF			
n 4P PODM DX	DIMMING/TOGGLE WALL SWITCH STATION — nLIGHT MODEL #nPODM 4P DX X. PROVIDE CATS CONTROL WIRE IN RACEWAY FROM SWITCH TO POWER PACK.	48"AFF			
n POD -KEY	nPOD KEY DIGITAL KEYSWITCH ON/OFF TOGGLE				
PP	POWER/RELAY PACK - nLIGHT MODEL #nPP16 DS. PROVIDE 0-10V SIGNAL WIRE IN RACEWAY FROM POWER PACK TO EACH CONTROLLED LIGHT FIXTURE.	ABV. CLG.			
<b>©</b> s	DUAL TECH 360° STANDARD RANGE VACANCY SENSOR — nLIGHT MODEL #ncm PDT 9. PROVIDE CAT5 CONTROL WIRE FROM SENSOR TO POWER PACK.	CLG.			
IOTEO					

1.) 48" AFF INDICATES TO TOP OF DEVICE; ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE. REFERENCE LIGHTING CONTROL SCHEMATIC DETAILS FOR ALL NLIGHT CONTROLS WIRING

#### **ABBREVIATIONS:**

A	AMPS	EF	EXHAUST FAN	INT.	INTRUSION DETECTION
ABC	ABOVE CEILING LINE	EXT.	EXTERNAL OR EXTERIOR	NTS	NOT TO SCALE
AC	ABOVE COUNTER BACKSPLASH	FACP	FIRE ALARM CONTROL PANEL	MECH	MECHANICAL
ACCU	AIR COOLED CONDENSING UNIT	FCU	FAN COIL UNIT	PH	PHASE
AFF	ABOVE FINISHED FLOOR	FD	FIRE DAMPER	RM.	ROOM
B.	воттом	FS	FLAT SCREEN	SS	STAINLESS STEEL
BLC.	BELOW CEILING LINE	G.	GROUND	TSTAT	THERMOSTAT
C.	CONDUIT OR COMMON	GA.	GAGE	UG	UNDERGROUND
CLG.	CEILING	GRND.	GROUND	UNO	UNLESS OTHERWISE NOTED
COND.	CONDUIT	HVAC	HEATING, VENTILATION,	٧	VOLTS
IG	ISOLATED GROUND		& AIR CONDITIONING		WIRE

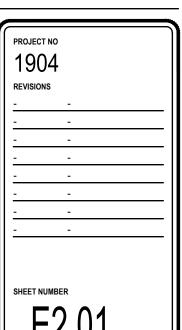
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/IATIONS ABBRE ∞ర END C Щ S <u>N</u> GENERAL TRICAL

**AUGUST 12, 2019** 

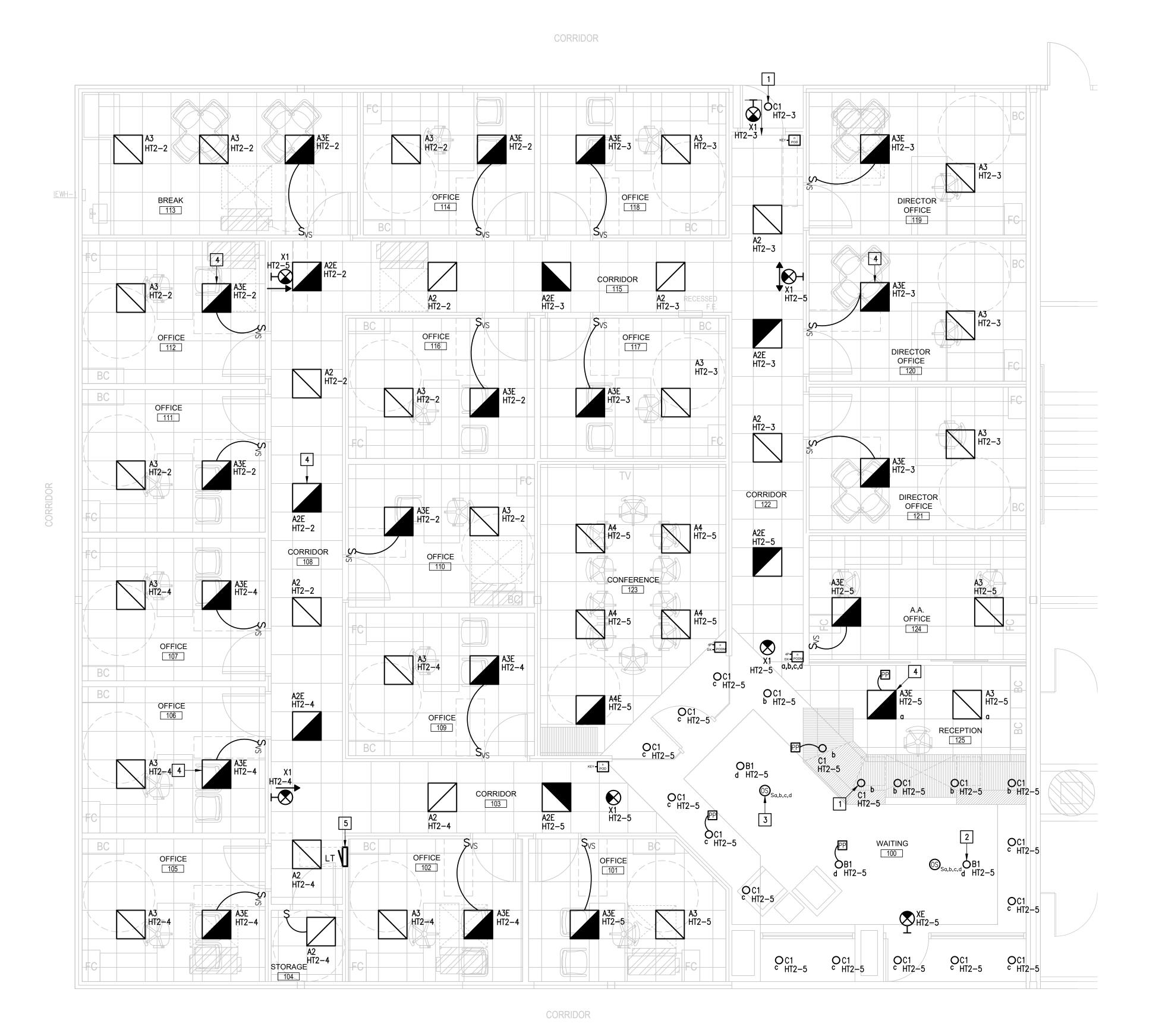


119 W. VAN BUREN AVE. STE.101

PHONE: 956-230-3435 TEXAS REGISTERED **ENGINEERING FIRM** 

<sup>1.)</sup> REFERENCE LIGHT FIXTURE SCHEDULE FOR ALL MOUNTING HEIGHTS.

<sup>1.)</sup> TOP OF FLOOR BOX TO BE FLUSH WITH FINISHED FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FLOOR TYPES. RACEWAYS TO RISE UP AT NEAREST INTERIOR WALL STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE CEILING UNO.



01 LIGHTING PLAN

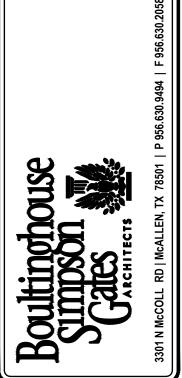
**GENERAL NOTES:** 

- 1. LIGHTING BRANCH CIRCUITS SHALL BE 3/4" 2#12 & #12G. 20A/277V HOMERUNS EXCEEDING 200FT THE WIRE SIZE SHALL BE #10 & #8 FOR 275'. CONNECT TO EXISTING ROOM LIGHTING
- 2. INTERIOR LIGHTING CONTROLS SHALL BE BY VACANCY SENSORS.
- MULTIPLE OCCUPANCY SENSORS CONTROLLING A SINGLE OR MULTIPLE SWITCH SCHEME AND POWER PACKS SHALL BE CONNECTED WITH CLASS II #18 WIRING IN 1/2" RACEWAY.
- 4. PROVIDE 0-10V SIGNAL WIRING TO EACH DIMMED LIGHT FIXTURE DRIVER AND WALL SWITCH.
- 5. PAINT ALL EXPOSED RACEWAYS, HANGERS, BOXES, SUPPORTS AND ACCESSORIES IN INTERIOR AND EXTERIOR EXPOSED AREAS. COORDINATE PAINT TYPE, COLOR AND SCOPE OF WORK WITH ARCHITECT. LABEL BOXES ON INTERIOR OF PLATE COVER IF
- 6. ALL RACEWAYS IN EXPOSED CEILING AREAS SHALL BE CONCEALED TO MAXIMUM EXTENT POSSIBLE. CONCEAL RACEWAYS ABOVE SUSPENDED CEILING CLOUDS WHERE POSSIBLE. HORIZONTAL RACEWAY RUNS SHALL BE ROUTED BETWEEN STRUCTURAL STEEL Z-PURLINS.

#### **KEYED NOTES:**

- 1 CONNECT TO EXISTING CIRCUIT FOR ADJACENT CORRIDOR LIGHTING.
- 2 SUSPEND LIGHT FIXTURE TYPE 'B1' AT 8'-0" AFF TO BOTTOM OF FIXTURE TYPICAL.
- 3 PROVIDE THREADED ROD SUSPEND DEVICE TYPICAL. BOTTOM OF DEVICE SHALL MATCH HVAC DIFFUSERS TYPICAL.
- CONNECT EMERGENCY BATTERY PACK TO BE CHARGING AT ALL TIMES (UNSWITCHED). LIGHT FIXTURE SHALL BE OPERATED BY THE CORRESPONDING SWITCH TYPICAL.
- 5 NEW PANEL "LT".
- 6 LOCATION OF EXISTING PANEL "HT2". REFER TO KEYPLAN.

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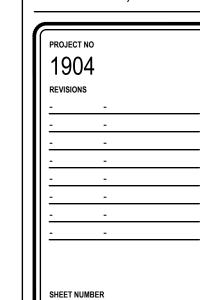




8.12.2019

0 #19-

AUGUST 12, 2019



6 BUILDING M 2ND FLOOR RENOVATION

KEYPLAN

PHONE: 956-230-3435 TEXAS REGISTERED ENGINEERING FIRM F-15998

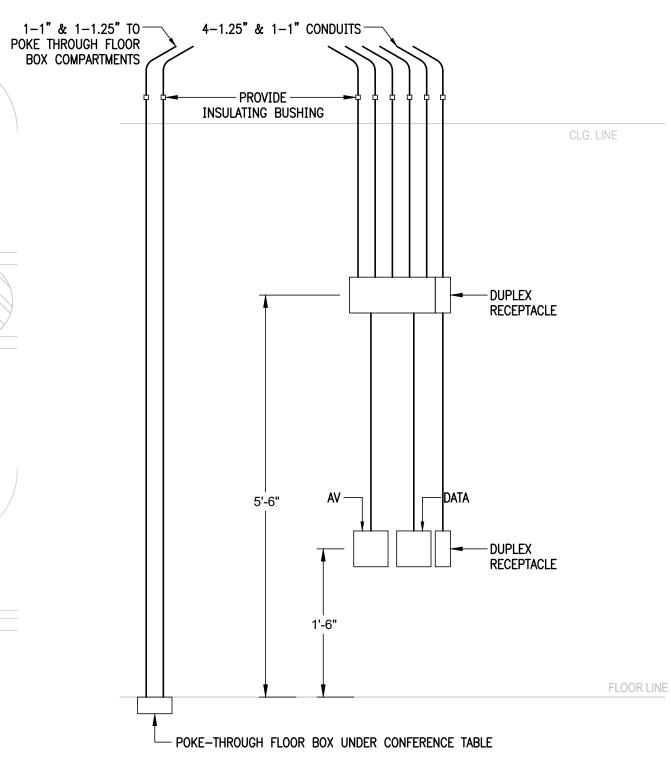
01 ELECTRICAL PLAN

#### **GENERAL NOTES:**

- 1. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
- 2. HOMERUNS INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS); 3 INSULATED "HOT", 3 INSULATED "NEUTRAL AND 1 SHARED "GROUND".
- 3. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
- 4. EACH 20A/1P BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.
- 4. PAINT ALL EXPOSED RACEWAYS, HANGERS, BOXES, SUPPORTS AND ACCESSORIES IN INTERIOR AND EXTERIOR EXPOSED AREAS. COORDINATE PAINT TYPE, COLOR AND SCOPE OF WORK WITH ARCHITECT. LABEL BOXES ON INTERIOR OF PLATE COVER IF PAINTED.
- 5. ALL RACEWAYS IN EXPOSED CEILING AREAS SHALL BE CONCEALED TO MAXIMUM EXTENT POSSIBLE. CONCEAL RACEWAYS ABOVE SUSPENDED CEILING CLOUDS WHERE POSSIBLE. HORIZONTAL RACEWAY RUNS SHALL BE ROUTED BETWEEN STRUCTURAL STEEL Z-PURLINS.

#### **KEYED NOTES:**

- 1 CONNECT REFRIGERATOR.
- 2 NEW PANEL "LT" (FLUSH MOUNTED FACING HALLWAY).
- Z NEW FAREE ET (FEOSIT MOONTED FAOING FIAEMAT).
- PROVIDE GROMMETS THROUGH COUNTERTOP TO ACCESS RECEPTACLES BELOW COUNTER INSIDE KNEE SPACE.
- 4 LOCATION OF EXISTING PANEL "LT2B". REFER TO KEY PLAN.
- 5 COORDINATE WITH MILLWORK. INSTALL AT 4" ABOVE TOP OF BOOKCASE.
- PROVIDE 20A/3P BREAKER IN PANEL ACT1 TO FEED VAV-1,2, AND 3 BRANCH CIRCUIT 1/2" 3#12 & #12G. PROVIDE A DISCONNECT: 30A, 3PNF, S/N, 600V, NEMA 1 ENCLOSURE FOR EACH VAV UNIT. REFER TO KEY PLAN.
- PROVIDE 20A/3P BREAKER IN PANEL ACT1 TO FEED VAV-4,6, AND 7. BRANCH CIRCUIT 1/2" 3#12 & #12G. PROVIDE A DISCONNECT: 30A, 3PNF, S/N, 600V, NEMA 1 ENCLOSURE FOR EACH VAV UNIT. REFER TO KEY PLAN.
- 8 PROVIDE 20A/1P BREAKER IN PANEL ACT1 TO FEED VAV-5, AND 8. BRANCH CIRCUIT 1/2" 2#12 & #12G. PROVIDE A DISCONNECT: 30A, 2PNF, S/N, 600V, NEMA 1 ENCLOSURE FOR EACH VAV UNIT. REFER TO KEY PLAN.
- 9 LOCATION OF EXISTING PANEL "ACT1". REFER TO KEY PLAN.
- 10 CEILING MOUNT.
- LOCATION OF EXISTING FIRE ALARM CONTROL PANEL. REFER TO KEYPLAN.
- CONNECT INSTANTANEOUS WATER HEATER BELOW COUNTER. BRANCH CIRCUIT: 3/4" 2/10 & #10G. PROVIDE A THERMAL SWITCH. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- 13 PROVIDE WALL BOX; REFER TO DETAIL 02.



2 WALL BOX DETAIL



RENOVATION

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THANKE

CAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-7

OUTH TEXAS COLLEGE

W PECAN BOULEVARD, MICALLEN, TEXAS

ISSUE DATE
AUGUST 12, 2019





# TYPE A2,A2E,A3,A3E,A4 & A4E LIGHT FIXTURE IMAGE

# TYPE X1 LIGHT FIXTURE IMAGE

04 SCALE: NOT TO SCALE



TYPE B1 LIGHT FIXTURE IMAGE

03 SCALE: NOT TO SCALE



WALL SWITCH STATION TYPE nPODM DX

05 SCALE: NOT TO SCALE



TYPE C1

LIGHT FIXTURE IMAGE

POWER PACK TYPE nPP16 D



WALL SWITCH SENSOR TYPE WSX D



TYPE XE LIGHT FIXTURE IMAGE

LUMINAIRE SCHEDULE

CALLOUT	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTES	LM70	LUMENS / LAMP
A2	LED	2'x2' FLAT PANEL	0-10V	SURFACE	LITHONIA: EPANL 2X2 2000LM 40K ZT MVOLT	20	277V 1P 2W		60,000	3122
A2E	LED	2'x2' FLAT PANEL	0-10V	SURFACE	LITHONIA: EPANL 2X2 2000LM 40K ZT MVOLT EL14L	20	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	60,000	3122
A3	LED	2'x2' FLAT PANEL	0-10V	SURFACE	LITHONIA: EPANL 2X2 3400LM 40K ZT MVOLT	33	277V 1P 2W		60,000	4082
A3E	LED	2'x2' FLAT PANEL	0-10V	SURFACE	LITHONIA: EPANL 2X2 3400LM 40K ZT MVOLT EL14L	33	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	60,000	4082
A4	LED	2'x2' FLAT PANEL	0-10V	SURFACE	LITHONIA: EPANL 2X2 4800LM 40K ZT MVOLT	36	277V 1P 2W		60,000	4976
A4E	LED	2'x2' FLAT PANEL	0-10V	SURFACE	LITHONIA: EPANL 2X2 4800LM 40K ZT MVOLT EL14L	36	277V 1P 2W	PROVIDE WITH AN EMERGENCY BATTERY PACK.	60,000	4976
B1	LED	PENDANT	0-10V	PENDANT	LITHONIA: LDN6CYL 40/05 L06AR LSS MVOLT	8	277V 1P 2W	LENGTH OF PENDANT TO BE DETERMINED AT A LATER DATE.	50,000	500
C1	LED	6" DOWNLIGHT	0-10V	RECESSED	LITHONIA: WF6 LL LED 40K MW	13	277V 1P 2W		36,000	944
X1	LED	SINGLE SIDED EXIT SIGN	STANDARD	WALL	LITHONIA: LE S W 1 R EL N SD	2	277V 1P 2W	PROVIDE WITH A UNIVERSAL MOUNTING CANOPY, LIGHT EMITTING DIODES, & A NI-CAD BATTERY PACK.	-	0
XE	LED	EXIT SIGN - UNIT COMBO	STANDARD	WALL/CEILING	LITHONIA: LHQM LED R SD	4	277V 1P 2W	PROVIDE WITH A UNIVERSAL MOUNTING CANOPY, LIGHT EMITTING DIODES, & A NI-CAD BATTERY PACK.	-	0

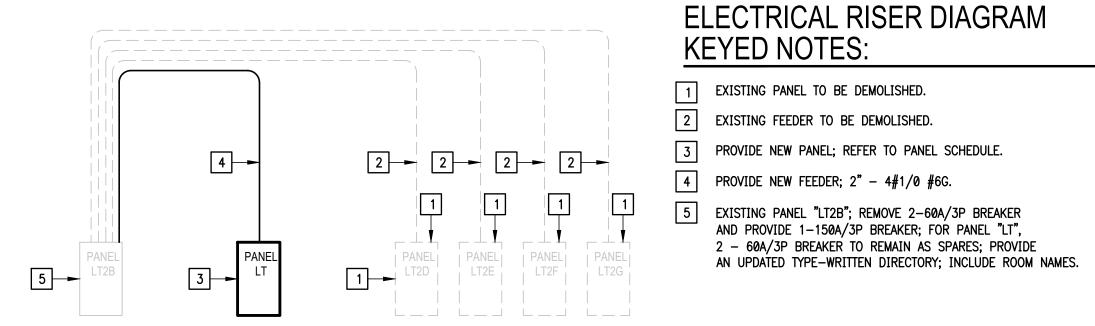
1. OTHER LIGHT FIXTURE MANUFACTURERS THAN THOSE LISTED ON THIS SCHEDULE ARE REQUIRED TO OBTAIN PRIOR APPROVAL BY SUBMITTING CUT SHEETS OF THEIR SUBSTITUTIONS AT LEAST (10) DAYS PRIOR TO BID. CUT SHEETS SHALL INDICATE/HIGHLIGHT PHOTOMETRIC CURVE, EFFICIENCY & CONSTRUCTION FOR DIRECT COMPARISON WITH SPECIFIED FIXTURES.

2. EXTRA MATERIALS: SEE SPECIFCATIONS.

3. EMERGENCY BATTERY PACKS SHALL BE COMPLETE FACTORY INSTALLED WITH NI-CAD BATTERY, CHARGER INDICATING LIGHT, ELECTRONIC CIRCUITRY, 1400 LUMENS OUTPUT, 90 MINUTES DURATION & FIVE FULL YEARS WARRANTY.

4. FURNISH ALL 2' X 2' LAY-IN LIGHT FIXTURES WITH INTEGRAL CEILING CLIPS.

MOUN		LUSH XISTING LT2B DE A TYPE WRITTEN AS BUIL	VOLTS BUS AMI NEUTRAL T DIRECTOR	PS 225 . 100%	•		OM NUM	AIC 10,000 MAIN BKR 150 LUGS STANDARD IBERS.			
СКТ	CKT		L	OAD KV	Ą	CKT CKT # BKR	СКТ		LOAD KVA		
#	BKR	CIRCUIT DESCRIPTION	Α	В	С		CIRCUIT DESCRIPTION	Α	В	С	
1	20/1	RECEPT.	0.9			2	20/1	REFRIGERATOR	1.2		
3	20/1	RECEPT.		1.5		4	20/1	RECEPT.	1	0.18	İ
5	20/1	RECEPT.			1.26	6	20/1	RECEPT.	1		0.18
7	20/1	RECEPT.	1.5			8	20/1	RECEPT.	1.62		
9	20/1	RECEPT.		1		10	20/1	RECEPT.		0.18	
11	20/1	RECEPT.	İ		0.18	12	20/1	RECEPT.			1.15
13	20/1	RECEPT.	0.5			14	20/1	FLAT SCREEN	0.108		
15	20/1	RECEPT.	İ	1.25		16	20/1	RECEPT.		1.08	
17	20/1	RECEPT.	İ		0.54	18	20/1	RECEPT.			1.25
19	20/1	RECEPT.	1.15			20	20/1	RECEPT.	1.25		
21	20/1	RECEPT.	İ	1.47		22	20/1	RECEPT.		1.25	
23	20/1	RECEPT.			0.75	24	20/1	RECEPT.			0.54
25	20/1	RECEPT.	0.25			26	20/1	SPARE	0		
27	25/2	IEWH-1		2.08		28	20/1	SPARE		0	
29					2.08	30	20/1	SPARE			0
31	20/1	SPACE	0			32	20/1	SPARE	0		
33	20/1	SPACE		0		34	20/1	SPARE		0	İ
35	20/1	SPACE			0	36	20/1	SPARE			0
37	20/1	SPACE	0			38	20/1	SPARE	0		İ
39	20/1	SPACE		0		40	20/1	SPARE		0	İ
41	20/1	SPACE	ļ		0	42	20/1	SPACE			0
Ţ.		1					ТО	TAL CONNECTED KVA BY PHASE	8.48	9.99	7.93

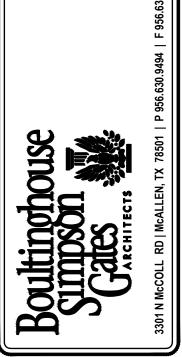


PARTIAL RISER DIAGRAM

09 SCALE: NOT TO SCALE

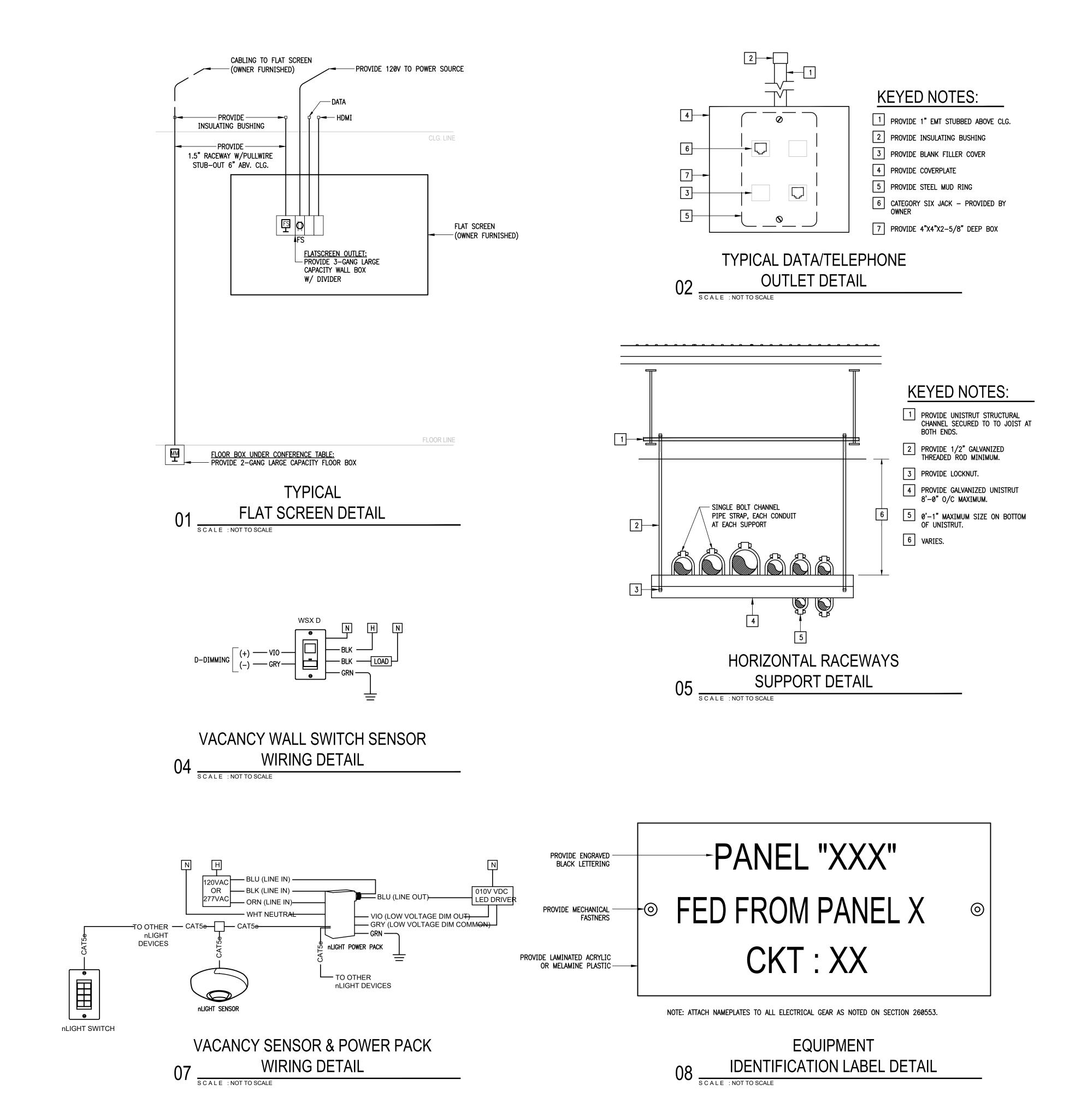


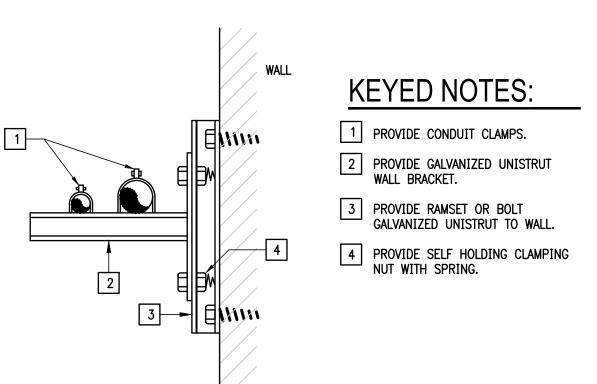
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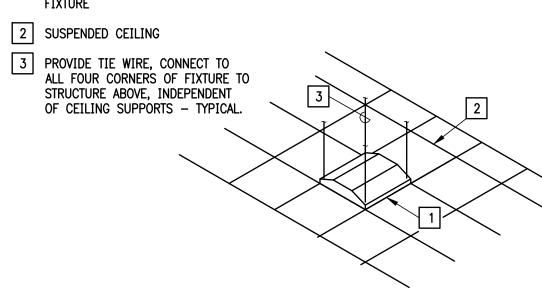




RACEWAY RUNS
SUPPORT DETAIL

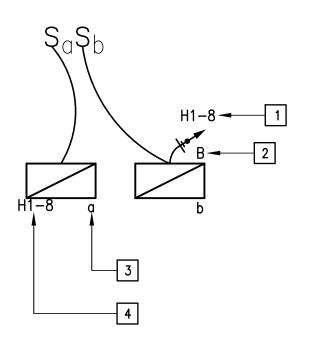
# KEYED NOTES:

PROVIDE 2' X 2' LAY—IN LIGHT FIXTURE



TYPICAL

06 LAY-IN FIXTURE SUPPORT



# KEYED NOTES:

1 CIRCUIT HOMERUN

2 FIXTURE TYPE - REFER TO LIGHT FIXTURE SCHEDULE

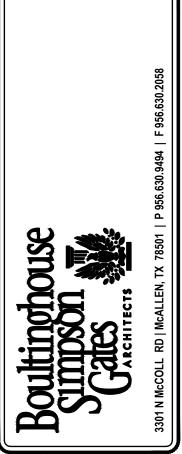
INDICATES SWITCH CONTROLLING LIGHT FIXTURE.
 INDICATES BRANCH CIRCUIT LIGHT FIXTURE IS CONNECTED TO

FIXTURE IS CONNECTED TO

9 LIGHTING LEGEND DETAIL



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LECTRICAL DETAILS

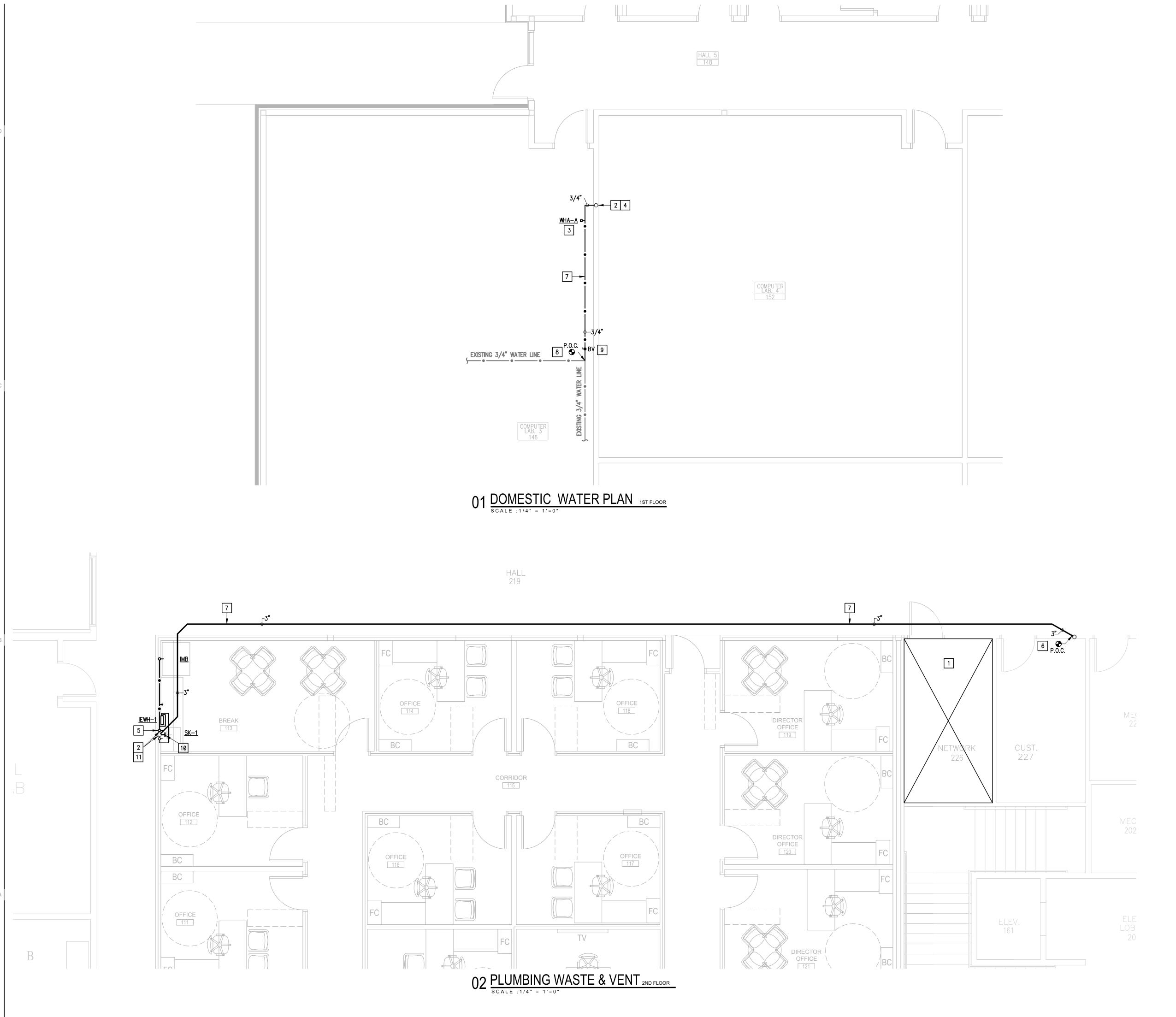
SCINAME

ECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19-20-1010

BUTH TEXAS COLLEGE

SCIANDRESS

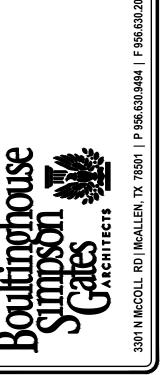
W PECAN BOULEVARD, MCALLEN, TEXAS



#### **KEYED NOTES:**

- 1 CLEARANCE FOR ELECTRICAL / DATA PANELS. ROUTE NO PIPING OVER THIS AREA.
- 2 SLEEVE ALL FLOOR SLAB AND WALL PENETRATIONS PER DETAIL WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT.
- PROVIDE BELLOWS TYPE WATER HAMMER ARRESTOR (WHA), MIFAB (WHB SERIES) OR APPROVED EQUAL. INDICATED MODEL (A,B,C,D,E,F) AS PER MIFAB SIZING CHART. PROVIDE 12"X12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA. ACCESS PANEL EQUAL TO ACUDOR MODEL UF5000 WITH CYLINDER LOCK AND KEY AND PAINT TO MATCH THE WALL/CEILING. (TYPICAL)
- 4 PROVIDE 3/4" COLD WATER LINE UP TO 2ND FLOOR.
- 5 3/4" COLD WATER LINE FROM 1ST FLOOR.
- 6 CONNECT NEW 3" SANITARY SEWER LINE TO EXISTING 3" SANITARY SEWER LINE AT THIS APPROXIMATE LOCATION.
- 7 PROVIDE PIPING SUPPORT AS PER SPECIFICATIONS AND DETAIL. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- 8 CONNECT NEW 3/4" COLD WATER TO EXISTING 3/4" COLD WATER LINE AT THIS APPROXIMATE LOCATION.
- 9 PROVIDE BRONZE ISOLATION BALL VALVE ABOVE CEILING OR BEHIND WALL. PROVIDE 12"X12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA. ACCESS PANEL EQUAL TO ACUDOR MODEL UF5000 WITH CYLINDER LOCK AND KEY AND PAINT TO MATCH THE WALL/CEILING. PROVIDE VALVE IDENTIFICATION TAGS AS PER SPECIFICATIONS. (TYPICAL)
- PROVIDE PLUMBING CONNECTION TO SINK AS PER DETAIL. SEE ASSOCIATED DETAIL ON DETAIL SHEET.
- 11 CORE DRILL FOR DOMESTIC 3/4" COLD WATER AND 3" SANITARY SEWER IN WALL CAVITY BASE PLATE TO ENSURE PASSAGE OF PIPE.

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PLAN VENT ∞ర WATER AND WASTE

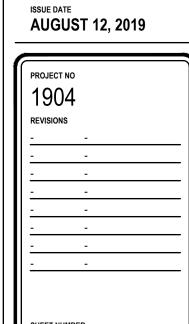
BUILDING M 2ND FLOOR

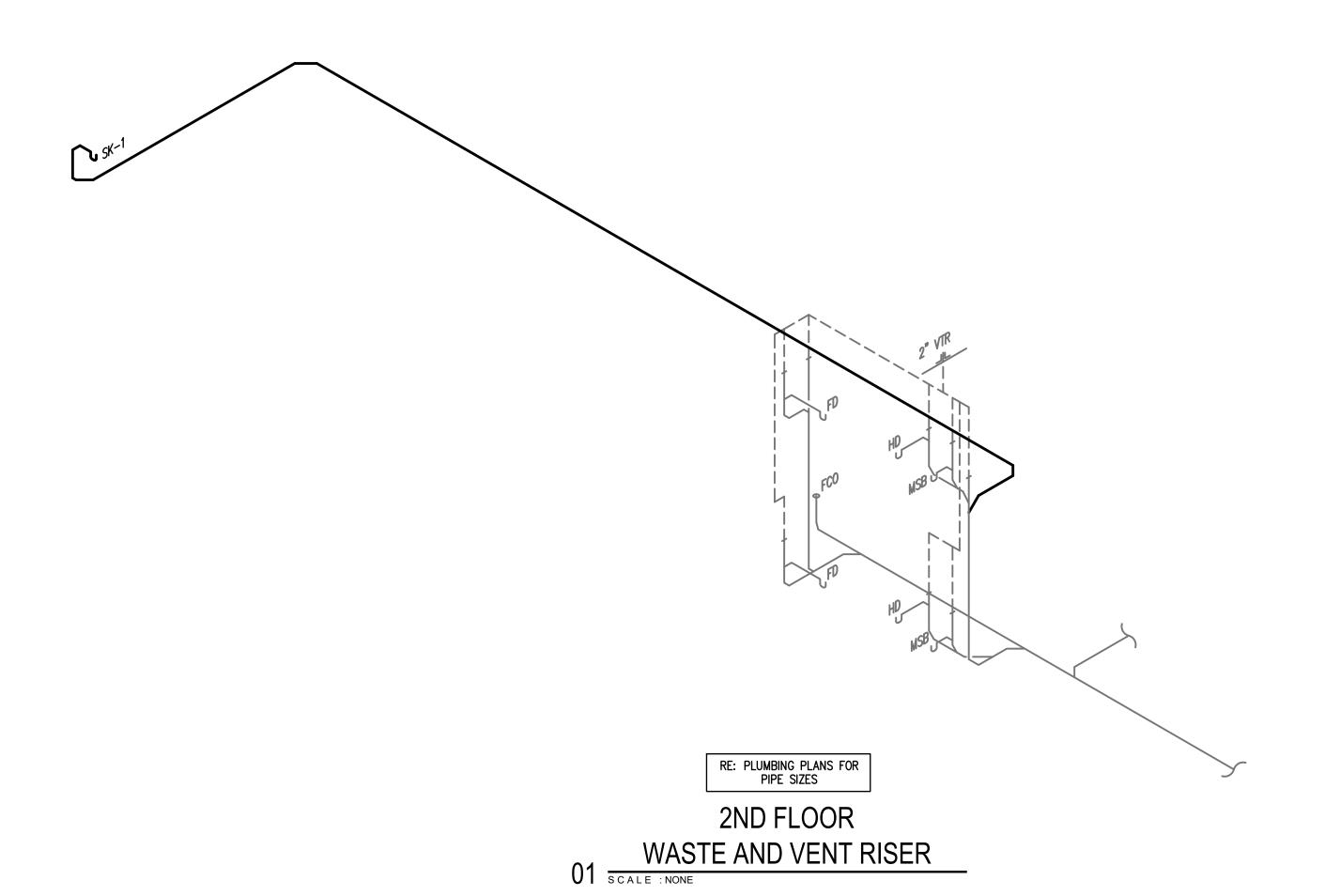
RENOVATION

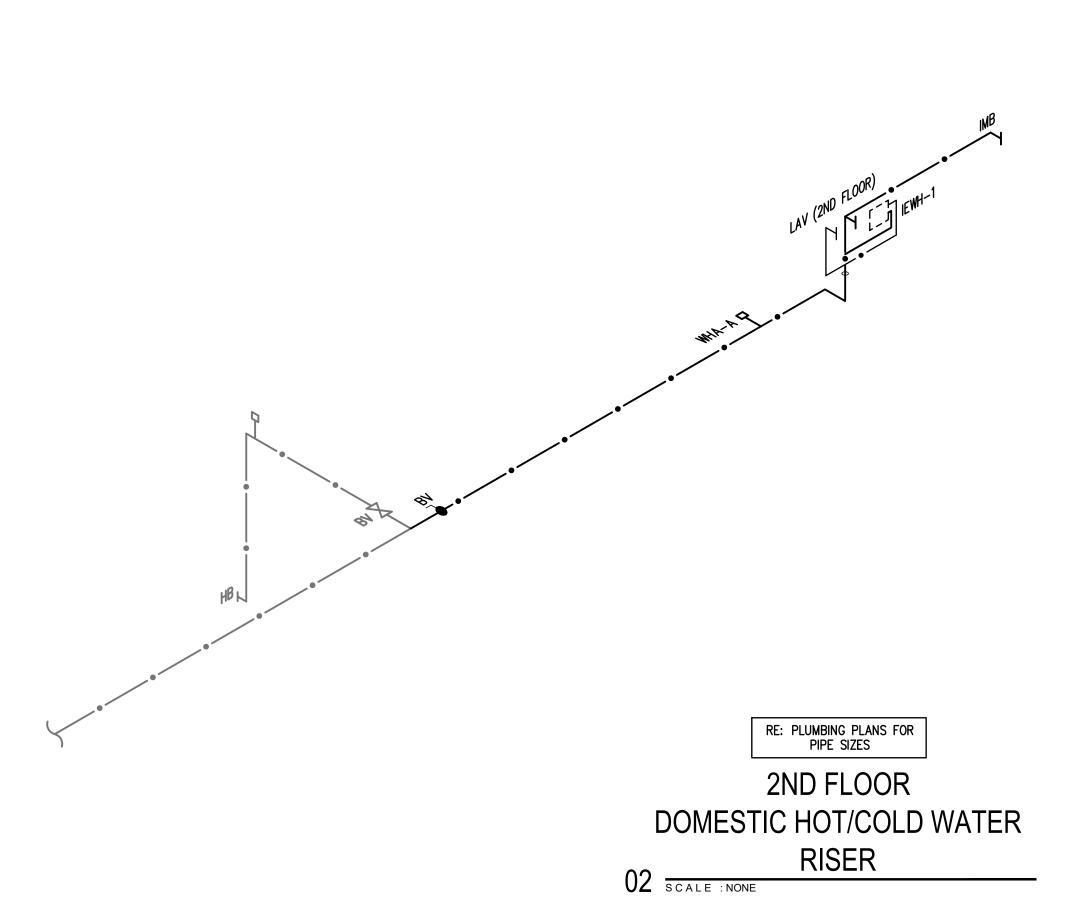
KEYPLAN

engineering

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PLUM	BING FIXTURE SO	CHEDULE							
MARK MANUFACTURER & MODEL NUMBER		DESCRIPTION	WASTE	CONNE	CTIONS	HW	NOTES	REMARKS	
SK-1	ELKAY LRAD-1919-60-1 SINK; CHICAGO FAUCET .5 GPM # 1100-GN2AE3-317ABCP; LK-335 DRAIN LEONARD # 270-LF-BRKT-BV 0.5GPM AERATOR	19" x 19" SINGLE COMPARTMENT, 18 GAUGE TYPE 302 STAINLESS STEEL, SELF-RIMMING SINK WITH 6"DEEP BOWL, FULLY COATED UNDERSIDE, TWO HANDLE DECK MOUNT GOOSE NECK FAUCET, 3.5" DRAIN WITH CUP STRAINER, 1-1/2" 17 GAUGE CHROME PLATED TAILPIECE AND P-TRAP WITH CLEANOUT AND CHROME PLATED SUPPLY STOPS WITH STAINLESS STEEL FLEXIBLE CONNECTORS AND POINT-OF-USE THERMOSTATIC VALVE.	3"	-	3/4"	3/4"	1	SEE ARCHITECTURAL	
IMB	GUY GRAY BIM875	VALVE, STAINLESS STEEL BOX WITH HINGED COVER GALVANIZED STEEL ICE MACHINE BOX, FURNISHED WITH 1/2" FIP INLET X 1/4" OD OUTLET COMPRESSION ANGLE VALVE.	-	-	3/4"	-			

1. SET POINT-OF USE THERMOSTATIC VALVE TEMPERATURE AT 110 DEGREE.

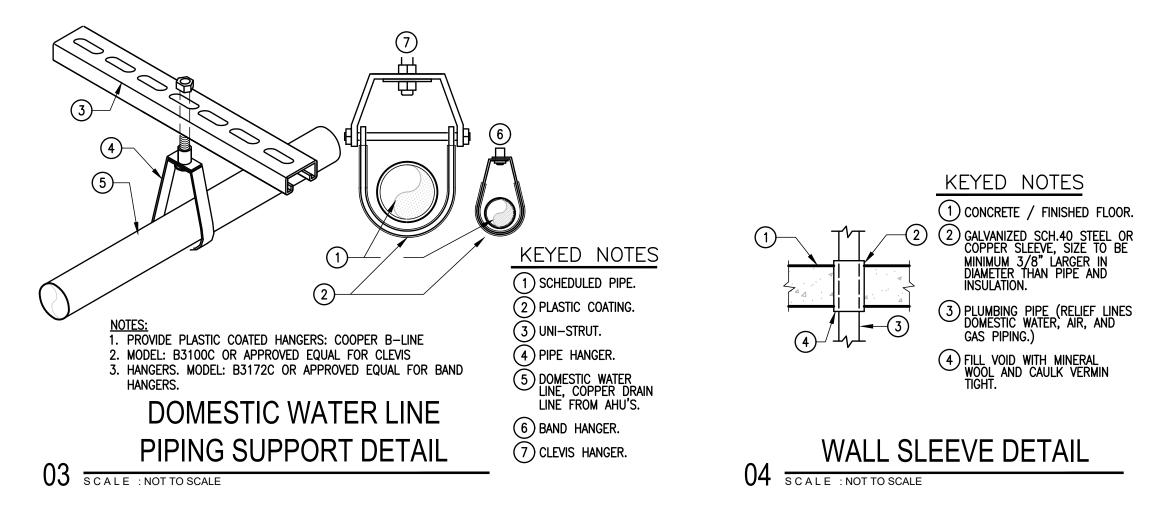
PLUMBING SYMBOLS LEGEND							
<b></b>	COLD WATER SUPPLY						
_ · · · · · -	HOT WATER SUPPLY						
	SOIL & WASTE LINE						
	VENT LINE — ENLARGED PLANS						
	EXISTING COLD WATER SUPPLY						
	EXISTING HOT WATER SUPPLY						
	EXISTING SOIL & WASTE LINE						
	EXISTING VENT LINE						
SK	SINK						
VTR	VENT THRU ROOF						
<b>P</b>	*WATER HAMMER						
* PROVIDE 12"x12" ACCES	* PROVIDE 12"x12" ACCESS PANEL WHERE INSTALLED IN AN INACCESSIBLE AREA.						

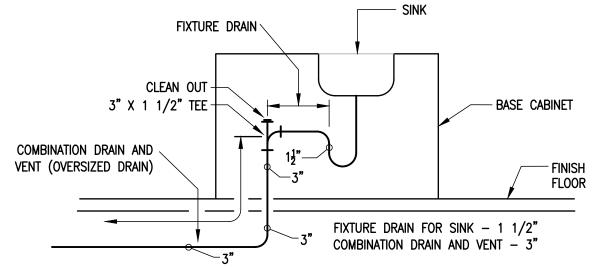
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# INSTANTANEOUS ELECTRIC WATER HEATER

MARK	LOCATION	MINIMUM ACTIVATION GPM	DEGREE RISE AT 0.8 GPM FLOW RATE	ELECTRICAL V/PH	TOTAL KW	DIMENSIONS LENGTH X WIDTH	MANUFACTURER MODEL NUMBER	NOTES
IEWH-1	BREAK 113	0.35	36°	208/1	4.16	9.625" X 6.25"	CHRONOMITE M-20L	1,2

- MANUFACTURER AND MODEL NUMBER ARE "OR APPROVED EQUAL.
- 2. SET TEMPERATURE AT 110 DEGREE.





O5 SCALE INSTRUSCIE



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PLUMBING RISER, SCHEDULE & DETAILS

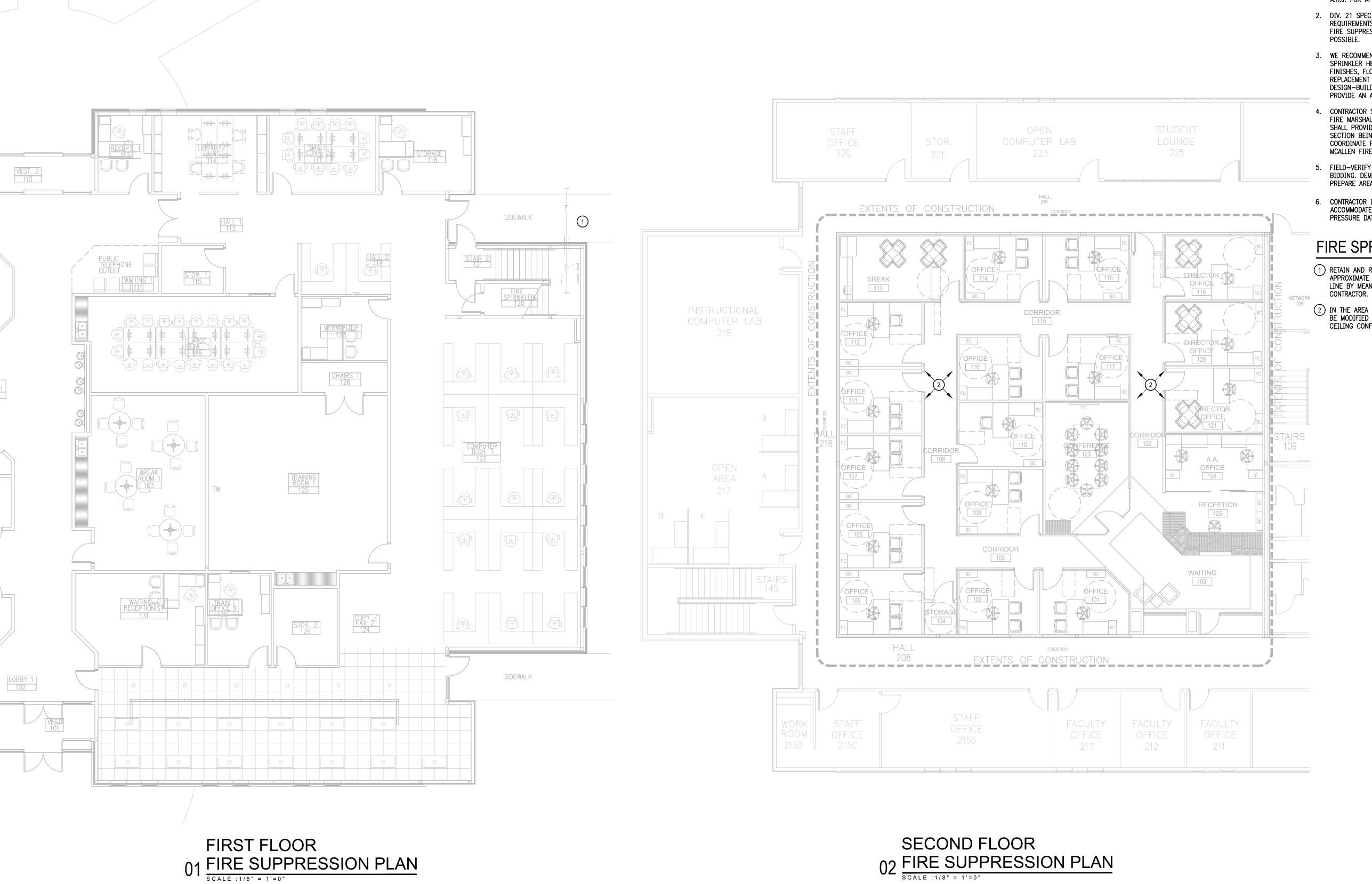
PECAN CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19

SOUTH TEXAS COLLEGE

PROJECT AND PECAN BOULE AND MALLEN TEXAS

3200 W PECAN BOULE ARD MALLEN TEXAS

ISSUE DATE
AUGUST 12, 2019



**GENERAL NOTES:** 

- 1. PRIOR TO SUBMITTING BID, COORDINATE SCOPE OF WORK WITH LOCAL A.H.J., CITY OF MCALLEN FIRE AND BUILDING PERMIT DEPARTMENTS, SUBMIT FIRE SUPPRESSION SHOP DRAWINGS TO A.H.J. FOR APPROVAL.
- 2. DIV. 21 SPECIFICATION OUTLINES THE PERFORMANCE REQUIREMENTS FOR THE FIRE SUPPRESSION WORK. EXISTING FIRE SUPPRESSION SYSTEM SHALL BE REUSED TO EXTENT POSSIBLE.
- 3. WE RECOMMEND REPLACEMENT AND RELOCATION OF EXISTING SPRINKLER HEADS TO MATCH THE NEW ARCHITECTURAL ELEMENTS, FINISHES, FLOOR PLANS, ETC. IF SOME COMPONENTS REQUIRE REPLACEMENT TO MEET CURRENT BUILDING CODES, THE DESIGN—BUILD FIRE SUPPRESSION CONTRACTOR SHALL DO SO TO PROVIDE AN APPROVED AND OPERATIONAL SYSTEM.
- 4. CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WITH THE FIRE MARSHAL TO DETERMINE THE EXTENT OF WORK. CONTRACTOR SHALL PROVIDE TEMPORARY SYSTEMS TO PROTECT THE BUILDING SECTION BEING RENOVATED AND ADJACENT 1ST FLOOR LEVEL. COORDINATE FIRE—WATCH REQUIREMENTS WITH THE CITY OF MCALLEN FIRE DEPARTMENT.
- 5. FIELD-VERIFY EXISTING FIRE SUPPRESSION SYSTEM PRIOR TO BIDDING. DEMOLISH EXISTING SYSTEM AS NECESSARY AND PREPARE AREA FOR NEW WORK.
- 6. CONTRACTOR IS RESPONSIBLE FOR UP—SIZING THE FIRE RISER TO ACCOMMODATE NEW WORK, IF HYDRAULIC CALCULATIONS, FLOW AND PRESSURE DATA SHOW THAT EXISTING LINE IS UNACCEPTABLE.

#### FIRE SPRINKLER SYSTEM KEYED NOTES:

- 1 RETAIN AND REUSE EXISTING FIRE RISER LOCATED AT THIS APPROXIMATE LOCATION. VERIFY EXISTING SIZE OF FIRE SPRINKLER LINE BY MEANS OF CALCULATIONS AND COORDINATE WITH GENERAL
- 2 IN THE AREA BEING RENOVATED, EXISTING FIRE SPRINKLER SYSTEM WILL BE MODIFIED TO ACCOMODATE THE NEW SPACE LAYOUT AND NEW CEILING CONFIGURATION.

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01

RE SUPPRESSION PLAN
CAMPUS BLDG M OFFICE & WORK SPACE RENOV. PROJECT #19
UTH TEXAS COLLEGE

ISSUE DATE
AUGUST 12, 2019

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