

ARCHITECT HKS ARCHITECTS, INC.

90 SOUTH 400 WEST, SUITE 110 SALT LAKE CITY, UTAH 84101

MECHANICAL & PLUMBING ENGINEER VAN BOERUM & FRANK ASSOCIATES, INC. 330 SOUTH 300 EAST SALT LAKE CITY, UT 84111

ELECTRICAL ENGINEER SPECTRUM ENGINEERS 324 S. STATE ST. STE. 400 SALT LAKE CITY, UTAH 8411

INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 8411

NO. DESCRIPTION DATE

MICHAEL W.

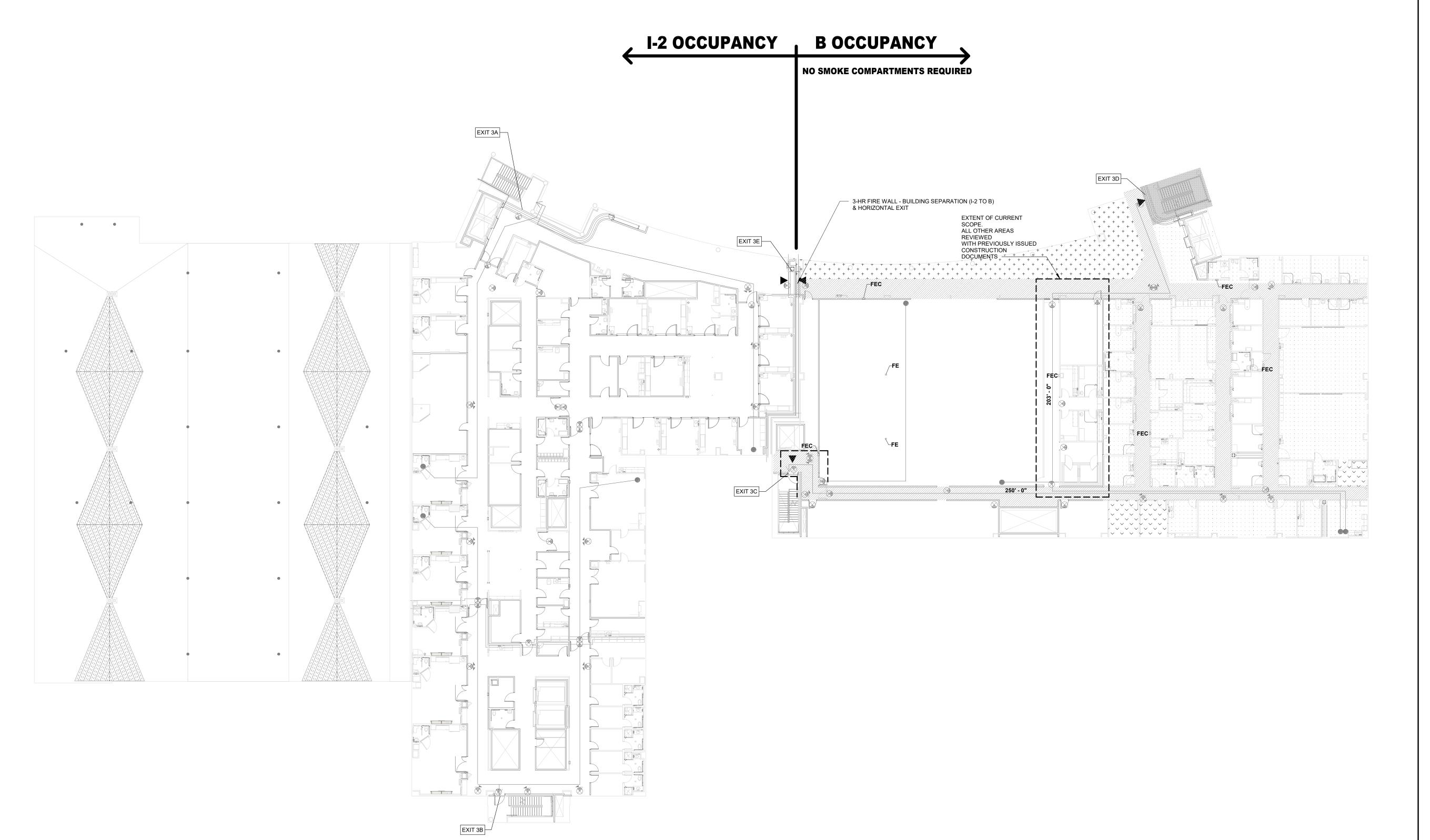
VELA

PROJECT NUMBERS

HKS: 22506.000 11/02/2018 ISSUE CONSTRUCTION **DOCUMENTS**

LIFE	SAFETY F	PLAN LEGEND			
1 HR FIRE BARRIER		EXIT ENCLOSURE		RETAIL	\ \ \
1 HR FIRE / SMOKE BARRIER 2 HR FIRE BARRIER 2 HR FIRE / SMOKE BARRIER		EXIT CORRIDOR		STORAGE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
SMOKE PARTITION (NON NON RATE BATEL)		SUITE	* * * * * * * * * * * * * * * * * * *		
MOKE COMPARTMENT WALL HORIZONTAL EXIT WALL		BUSINESS OCCUPANCY			
OCCUPANCY SEPARATION WALL FIRE DEPARTMENT CONNECTION	FDC FDC	ASSEMBLY	+ + + +		
E EXTINGUISHER CABINET	FEC FE	EXIT SYMBOL	+ + +		
FIRE EXTINGUISHER	<u>•</u>	EXIT STWIBBLE	•		
TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO THE CLOSEST	$\bullet^{\times\times\times'-\times"}\!$	EXIT SIGN - HATCH INDICATES EXIT			
TRAVEL DISTANCE WITHIN A MOKE ZONE TO AN ADJACENT SMOKE ZONE	•XXX'-X"	TEXT AND ARROW INDICATES DIRECTION			

	I HIKD LEVE	EL PCH B-OCCUPA	ANCY SUMMARY	
AREA	PRIMARY USE	AREA	OL FACTOR	OCCUPANT
CLINIC	BUSINESS	922 SF	100 SF	10
CLINIC	BUSINESS	1908 SF	100 SF	20
CLINIC	MECHANICAL	343 SF	300 SF	2
CLINIC	BUSINESS	897 SF	100 SF	9
CLINIC	BUSINESS	1222 SF	100 SF	13
CLINIC	BUSINESS	300 SF	100 SF	4
REHAB CLINIC	BUSINESS	448 SF	100 SF	5
REHAB CLINIC	BUSINESS	2468 SF	100 SF	25
REHAB CLINIC	BUSINESS	845 SF	100 SF	9
REHAB CLINIC	BUSINESS	750 SF	100 SF	8
REHAB CLINIC	BUSINESS	289 SF	100 SF	3
REHAB CLINIC	STORAGE	126 SF	300 SF	1
GRAND TOTAL		10517 SF		109



O1 LIFE SAFETY PLAN - LEVEL 3 - PCH TI

1" = 20'-0"

NOTE: CROSS-HATCHED AREA IN PREVIOUSLY ISSUED. REFER TO

HKS

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SALT LAKE CITY, UT 84111

ELECTRICAL ENGINEER
SPECTRUM ENGINEERS

OWNER
INTERMOUNTAIN HEALTHCARE
36 SOUTH STATE STREET
SALT LAKE CITY, UTAH 84111

324 S. STATE ST. STE. 400 SALT LAKE CITY, UTAH 84111

LAYTON PARKWAY CLINIC
PORT PORT OF THE MODEL 2018

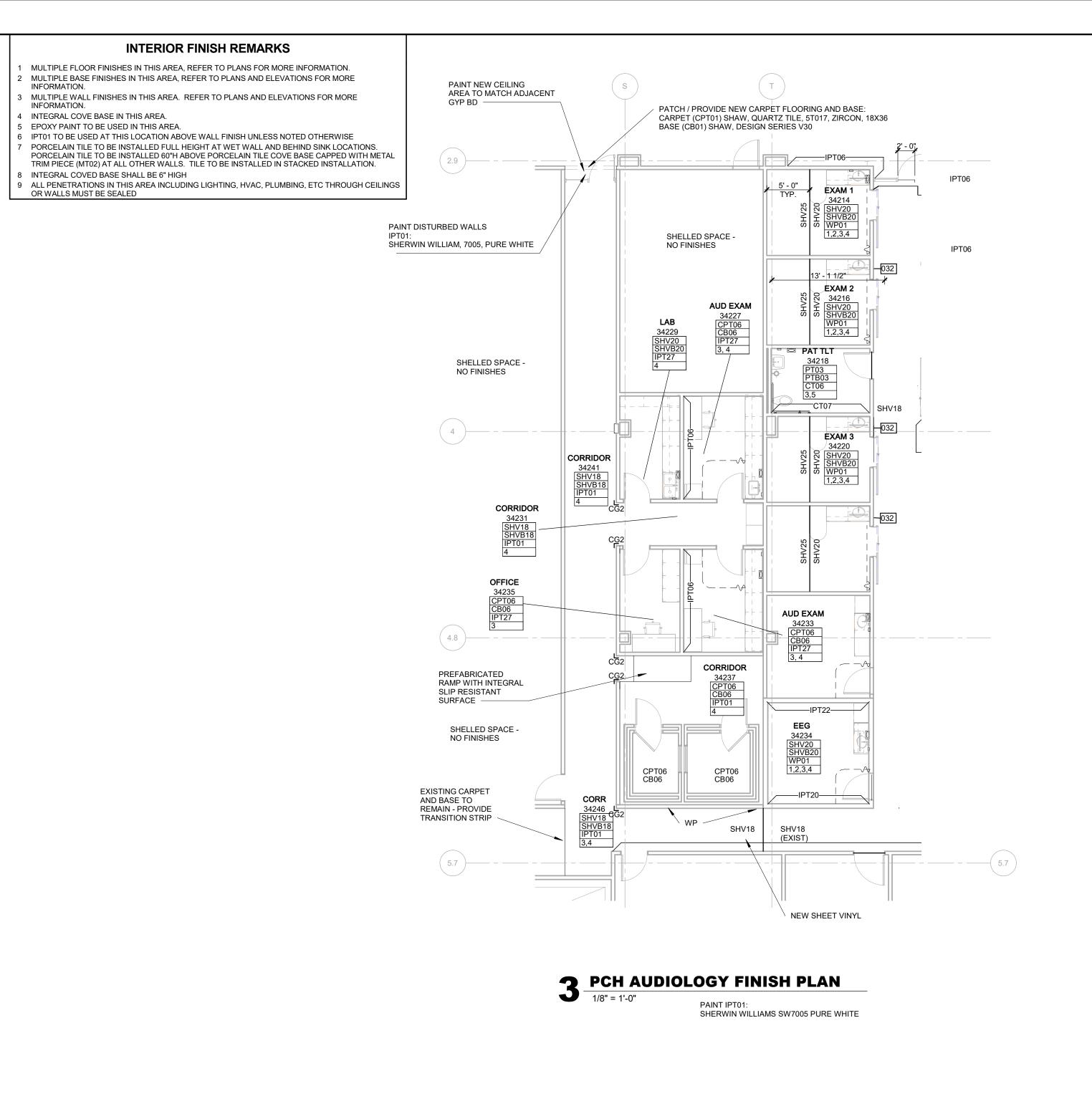
REVISION
NO. DESCRIPTION DATE

PROJECT NUMBERS
HKS: 22506.000

DATE
12/10/2018
ISSUE
CONSTRUCTION
DOCUMENTS
SHEET TITLE
LIFE SAFETY PLAN LEVEL 3 - PCH

SHEET NO.

ALS.03A



+8'-6" NEW GYP BD CEILING ON HORIZONTAL NEW ALUMINUM DOOR / FRAME METAL STUD AND GLAZING -FRAMING SEE A3.30 ELEVATION (INTEGRATE INTO EXISTING CEILING) EXPOSED TO STRUCTURE +9'-0" EXPOSED TO STRUCTURE CUBICLE CURTAIN TRACKS +8'-10" 3-5/8" METAL STUD / GYP BOARD BULKHEAD 〈 BULKHEAD V CEILINGS BY BOOTH VENDOR BULKHEAD BOTTOM IS INTENDED PATCH CEILING SYSTEM TO BE 1/2" ABOVE THE TOP OF THE BOOTH WHERE DISTURBED TO PROVIDE NEW BULKHEAD REMOVE EXISTING WALL AS NECESSARY TO FORM BULKHEAD

PCH AUDIOLOGY REF CLG PLAN

1/8" = 1'-0"

2. NEW CEILINGS ARE ACT02, TYPICAL

REFLECTED CEILING NOTES / KEYNOTES ETR = EXISTING CEILING SYSTEM TO REMAIN 1. CUBICLE CURTAIN TRACKS ARE CONTRACTOR PROVIDED. CUBICLE CURTAINS ARE OWNER PROVIDED

PCH AUDIOLOGY FLOOR PLAN

TO HEIGHT OF NEW

PATCH WALLS WHERE

EXAM 1

34214

EXAM 2 34216

34218

EXISTING WALL WAS

REMOVED (PW)

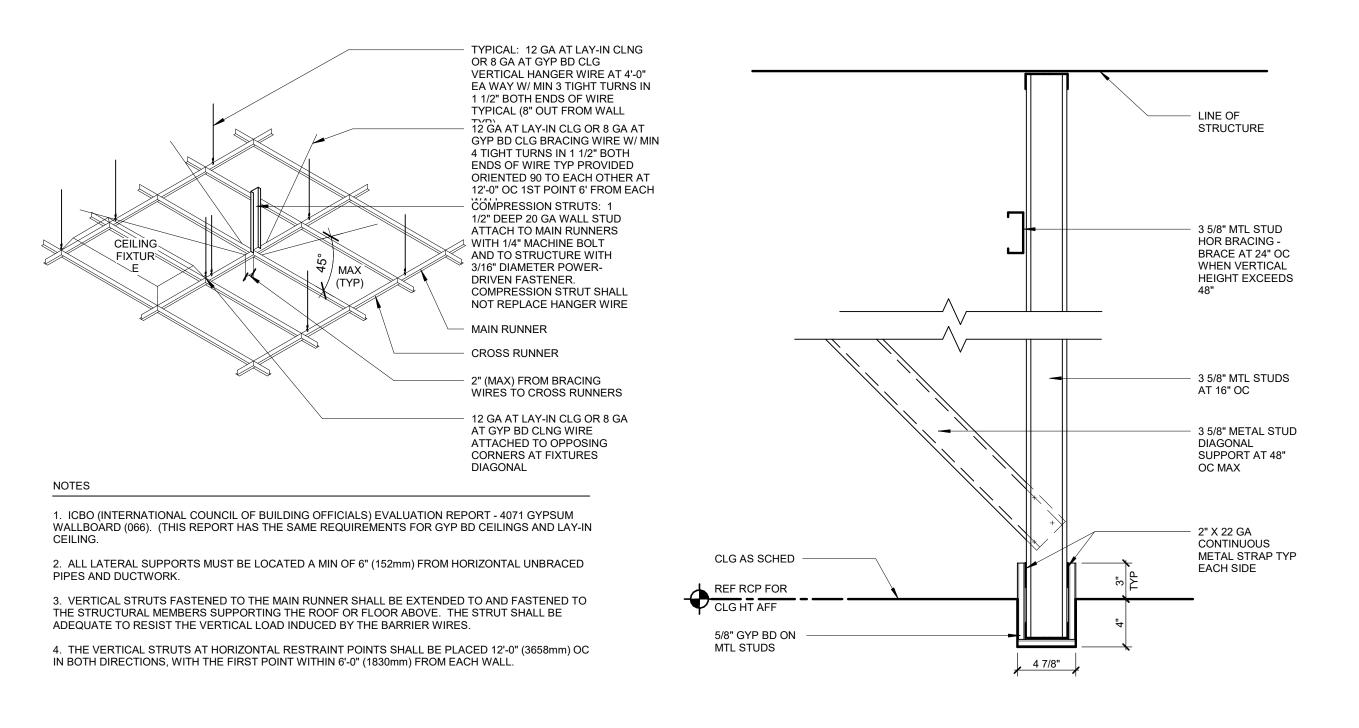
FUTURE
DEVELOPED

FUTURE DEVELOPED

DOOR OPENING

- REFER TO SHEET A3.01 FOR PARTITION TYPES, GRAPHIC AND SYMBOLIC 'EXIST' NEXT TO WALL TYPE SYMBOL INDICATES THE WALL TYPE
- DIMENSIONS ARE TO FACE OF DRYWALL OR FINISH, U.N.O. COORDINATE WALL DEMOLITION REQUIRED FOR UTILITY WORK. NOT ALL WALL PATCH LOCATIONS MAY BE INDICATED PROVIDE 2 HOUR FLOOR PENETRATION SEALS WHERE PIPING OR CONDUIT
- PENETRATES FLOOR BELOW AND FLOOR ABOVE PATCH ALL SPRAYED ON FIREPROOFING WHERE DISTRBUTED BY DEMOLITION OR REMODEL CONSTRUCTION, TO ORIGINAL CONDITION, AS DETERMINED BY THE BUILDING OFFICIAL ELEVATED FLOOR AREA (ELEVATED 4" TO MATCH HEIGHT OF AUDIOLOGY BOOTH FLOOR) SHALL BE CONSTRUCTED OF 2-1/2" METAL STUDS AT 12" O.C. (16 GA), 5/8" CEMENT BOARD (PERPENDICULAR TO METAL STUDS) AND 1" CONCRETE TOPPING. RAMP SHALL BE 'PRARIE VIEW INDUSTRIES' SL##36 RAMP OR EQUAL (CUSTOM FABRICATE RAMP WITH SLOPE TO BE 1/20 OR LESS) RAMP SHALL BE FASTENED TO FLOOR WITH 2" EXPANSION ANCHORS 'FUTURE DEVELOPED SPACE' SHALL RECEIVE TAPED AND MUDDED DRYWALL FINISH (TO MEET 1 HOUR WALL RATING) ON THE UNFINISHED SIDE OF THE WALL SHEET KEYNOTES
- IG' PROVIDE NEW GYP BD ON EXIST STUD AND GYP FRAMING FULL HEIGHT, IN THIS ROOM AS REQUIRED TO ACHIEVE 'G' WALL TYPE ASSEMBLY. SEE WALL TYPES ON SHEET A3.01
- PW' PATCH EXISTING GYP BD WALL AS NECESSARY AFTER INSTALLATION OF UTILITIES AND/OR WHERE EXISTING WALLS ARE REMOVED OR MODIFIED. NOT ALL LOCATIONS MAY BE INDICATED. COORDINATE WITH DEMOLITION AND UTILITY DRAWINGS. PROVIDE NEW WALL AND BASE FINISH ON

"WP' PAINT ENTIRE WALL WHERE DISTURBED BY DEMOLITION OR REMODEL



CEILING GRID ATTACHMENT 5 FOR SEISMIC CONDITION
1 1/2" = 1'-0"

FURR DOWN DETAIL - BK-011 1/2" = 1'-0"

REVISION NO. DESCRIPTION DATE

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PROJECT NUMBERS HKS: 22506.000

11/07/2018

ISSUE CONSTRUCTION **DOCUMENTS PCH AUDIOLOGY FLOOR PLANS**

SHEET

34230 1/20 GRADE RISE (NOT A RAMP) (NO HANDRAÍLS) FLOOR AREA (HATCHED) -PLAN NOTE 7 FLOOR PLAN / FINISH GENERAL NOTES DESIGNATIONS, NOTES, AND DETAILS IS EXISTING (SHOWN FOR REFERENCE) REFER TO SHEET A3.50 FOR INTERIOR ELEVATIONS, MILLWORK DETAILS

INTERIOR FINISH GENERAL NOTES

- PATTERN NAME, COLOR AND NUMBER FOR EACH MATERIAL ARE GIVEN WHEREVER POSSIBLE ON THE FINISH PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/DESIGNER SO THAT THE CORRECT MATERIAL IS INSTALLED.
- REFERENCE A2 SERIES DRAWINGS FOR INTERIOR FINISH PLANS. REFERENCE A2 SERIES FOR WALL PROTECTION LOCATIONS.
- REFERENCE SHEET A3.24 FOR TYPES AND CONFIGURATIONS OF WALL PROTECTION.
- REFERENCE A2.71 FOR TYPICAL FLOORING TRANSITION DETAILS. REFERENCE A3 SERIES DRAWINGS FOR MILLWORK INFORMATION.
- REFERENCE A3 SERIES DRAWINGS FOR INTERIOR SPECIALTY ELEVATIONS. REFERENCE A4 SERIES FOR ALL CEILING FINISHES.
- REFERENCE A3.24 FOR TYPICAL WALL PROTECTION ELEVATION FINISHES AND MOUNTING HEIGHT LOCATIONS & LOCKER FINISH INFORMATION. 0 DRYWALL TO RECEIVE A LEVEL FIVE (5) FINISH EVERYWHERE.
- 1 ALL PT/CT EXPOSED OUTSIDE CORNERS SHALL RECEIVE MT01. 2 ALL CORNER GUARDS ARE CG02, UNO.
- 3 WELDING ROD AT WELDED SEAMS IN SHEET VINYL SHALL MATCH THE DARKER OF THE SHEET VINYL COLORS AT SEAMS THAT DIVIDE TWO COLORS UNLESS NOTED
- 4 WHEN SHOWN, INSTALL INTEGRAL BASE TO A HEIGHT OF 4" AFF, UNO.
- 5 ALL FLOORING TRANSITIONS SHALL BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION.
- 16 DASHED IN FURNITURE TO BE O.F.O.I. 7 ALL FLOORING TO BE INSTALLED PERPENDICULAR TO ROOM WALLS UNLESS NOTED OTHERWISE.
- 18 BULKHEADS/SOFFITS/FURDOWNS SHOULD BE FINISHED WITH THE SAME MATERIAL AND OR COLOR ON ALL FACES AS SPECIFIED, UNLESS SPECIFICALLY NOTED OTHERWISE. 9 ALL MATERIALS AND FINISHES TO BE INSTALLED ACCORDING TO MANUFACTURERS RECOMENDATIONS. ANY DISCREPANCIES BETWEEN WHAT IS INDICATED ON DRAWINGS AND MANUFACTURERS INSTRUCTIONS SHOULD BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY AND PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- WHERE ATYPICAL CONDITIONS OCCUR, CONTRACTOR IS TO VERIFY FINISH TREATMENT WITH ARCHITECT BEFORE PROCEEDING.
- 1 WIREWAYS, ACCESS PANELS, MECHANICAL DEVICES, ETC. SHALL BE FINISHED TO MATCH ADJACENT SURFACE UNLESS NOTED OTHERWISE. 2 PROVIDE CRACK ISOLATION MEMBRANCE AS REQUIRED AT ALL PORCELAIN TILE FLOORING. FLOORING CONTRACTOR TO COORDINATE WITH DESIGNER.
- 3 CONTINUE ALL FLOORING MATERIALS BENEATH ALL CASEWORK. MILLWORK, FURNTIURE, INCLUDING KNEESPACES, UNLESS NOTED OTHERWISE. 4 CUT TILES TO NEVER BE LESS THAN 3". IF NECESSARY, CUT (2) TILES TO MAKE UP THE DIFFERENCE
- 5 REFER TO PROJECT MANUAL SECTION "CAST-IN-PLACE CONCRETE" FOR SPECIFICATIONS FOR SEALED CONCRETE (SC) AND HARDENER/SEALER OR HARDENER SEALED 7 AT I-2 OCCUPANCIES, ALL INTERIOR WALL AND CEILING FINISHES TO MEET CLASS B INTERIOR FINISH REQUIREMENTS. ADMINISTRATIVE AND ROOMS WITH A CAPACITY OF LESS
- THAN 4 PERSONS ARE PERMITTED TO HAVE CLASS C INTERIOR FINISHES AS NOTED ON IBC TABLE 803.9
- 28 AT B OCCUPANCIES, ALL INTERIOR WALL AND CEILING FINISHES TO MEET CLASS C INTERIOR FINISH REQUIREMENTS AS NOTED ON IBC TABLE 803.9 29 AT U OCCUPANCIES, THERE ARE NO RESTRICTIONS REGARDING INTERIOR FINISHES
- 30 ALL WALLS TO BE PAINTED IPT01 UNLESS NOTED OTHERWISE.
- 31 ALL WALLS WITHIN PRIMARY CHILDREN'S SUITE TO BE PAINTED IPT27 UNLESS NOTED OTHERWISE

INTERIOR MATERIALS LEGEND INTERIOR MATERIALS LEGEND ACT ACOUSTICAL CEILING TILE AWP ACOUSTICAL WALL PANEL QTB QUARRY TILE BASE CARPET BASE QUARTZ SURFACE CUBICAL CURTAIN RESILIENT BASE CORNER GUARD ROLLER SHADE COLUMN COVER SEALED CONCRETE CARPET TILE SUSPENDED DECORATIVE GRID CRASH RAIL STATIC DISSAPTIVE TILE CERAMIC TILE SERVICE ELEVATOR CERAMIC TILE BASE SHEET RUBBER FLOORING SHRB SHEET RUBBER BASE SHV SHEET VINYL FLOORING DECORATIVE GLAZING DECORATIVE PANEL SHEET VINYL FLOORING ENTRANCE GRILL SHVB SHEET VINYL BASE **EPOXY BASE** STAINLESS STEEL EPOXY PAINT STAINLESS STEEL BASE FILM FABRIC WALL COVERING SOLID SURFACE FABRICATIONS GLAZING SWP SHEET WALL PROTECTION TRAFFIC COATING GLASS TILE GYPSUM WALL BOARD TACKABLE FARBIC HAND RAIL TOILET PARTITION INTERIOR PAINT POURED TERRAZZO METAL TRIM TERRAZZO BASE METAL CEILING UPHOLSTERY ORNAMENTAL HANDRAIL/RAILINGS VINYL COMPOSITION TILE

WALL COVERING

WP WALL PROTECTION ASSEMBLY

WDC WOOD CEILING

WDS WOOD SLAT WALL

WM WALK OFF MAT

PASSENGER ELEVATOR

PLASTIC LAMINATE

PORCELAIN TILE

PTB PORCELAIN TILE BASE

INTERIOR TYPICAL FINISHES

- IPT01 HOLLOW METAL FRAMES IPT01 GYPSUM BOARD HORIZONTAL SOFFIT SURFACES AND CEILINGS IPT01 INTERIOR HOLLOW METAL DOORS
- IPT06 EXPOSED DUCTWORK IPT06 PREFINISHED GRILLES/DIFFUSERS ON EXPOSED DUCTWORK
- IPTXX EXPOSED STRUCTURE, ROOF DECK, AND MEP COMPONENTS IPTXX METAL PORTIONS OF STAIRS XX ELECTRICAL DEVICES COLOR (COORDINATE W/ELECTRICAL) WD01 INTERIOR WOOD DOORS
- CLC01 EXPOSED COLUMNS
- PL01 VERTICAL CASEWORK/MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE SSF01 HORIZONTAL COUNTERTOPS TO BE SOLID SURFACE UNLESS NOTED OTHERWISE

FINISH TAG LEGEND

	LINE		ROOM NAME
FLOOR -	-	VT01	
BASE	-	RB01	
TYPICAL WALL -		IPT01	
*REMARKS		1	

*REMARKS NUMBERS COORDINATE WITH FINISH REMARKS LEGEND LOCATED ON ALL FINISH FLOOR PLAN

INTERIOR FINISH REMARKS

- MULTIPLE FLOOR FINISHES IN THIS AREA, REFER TO PLANS FOR MORE INFORMATION. 2 MULTIPLE BASE FINISHES IN THIS AREA, REFER TO PLANS AND ELEVATIONS FOR MORE
- 3 MULTIPLE WALL FINISHES IN THIS AREA. REFER TO PLANS AND ELEVATIONS FOR MORE INFORMATION.
- INTEGRAL COVE BASE IN THIS AREA. 5 EPOXY PAINT TO BE USED IN THIS AREA.

RS01 A B

- 6 IPT01 TO BE USED AT THIS LOCATION ABOVE WALL FINISH UNLESS NOTED OTHERWISE PORCELAIN TILE TO BE INSTALLED FULL HEIGHT AT WET WALL AND BEHIND SINK LOCATIONS. PORCELAIN TILE TO BE INSTALLED 60"H ABOVE PORCELAIN TILE COVE BASE CAPPED WITH METAL
- TRIM PIECE (MT02) AT ALL OTHER WALLS. TILE TO BE INSTALLED IN STACKED INSTALLATION. 8 INTEGRAL COVED BASE SHALL BE 6" HIGH) ALL PENETRATIONS IN THIS AREA INCLUDING LIGHTING, HVAC, PLUMBING, ETC THROUGH CEILINGS OR WALLS MUST BE SEALED

ROLLER SHADE TAG LEGEND

INDICATES FABRIC SELECTION - SEE FINISH SCHEDULE "A" INDICATES MOTORIZED SHADE IF "A" IS OMITTED SHADE IS MANUALLY OPERATED "B" INDICATES DOUBLE ROLL W/ BLACK OUT SHADE - SEE RS02 IN FINISH SCHEDULE, IF

"B" IS OMITTED SHADE IS A SINGLE ROLL

INTERIOR FINISH PLAN NOTES

- 001 ALIGN FLOOR TRANSITION WITH ADJACENT WALL OR EDGE OF MILLWORK
- 002 PAINTED DRYWALL CONTROL JOINT AT THIS LOCATION. REFER TO FINISH PLANS AND ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGUARDING THE PAINT AND REVEAL PATTERN INFORMATION. 029 INSTALL TILE OR CARPET TILE IN DIRECTION OF ARROW.

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324 S. STATE ST. STE. 400

OWNER

INTERIOR FINISH PLAN NOTES PCH

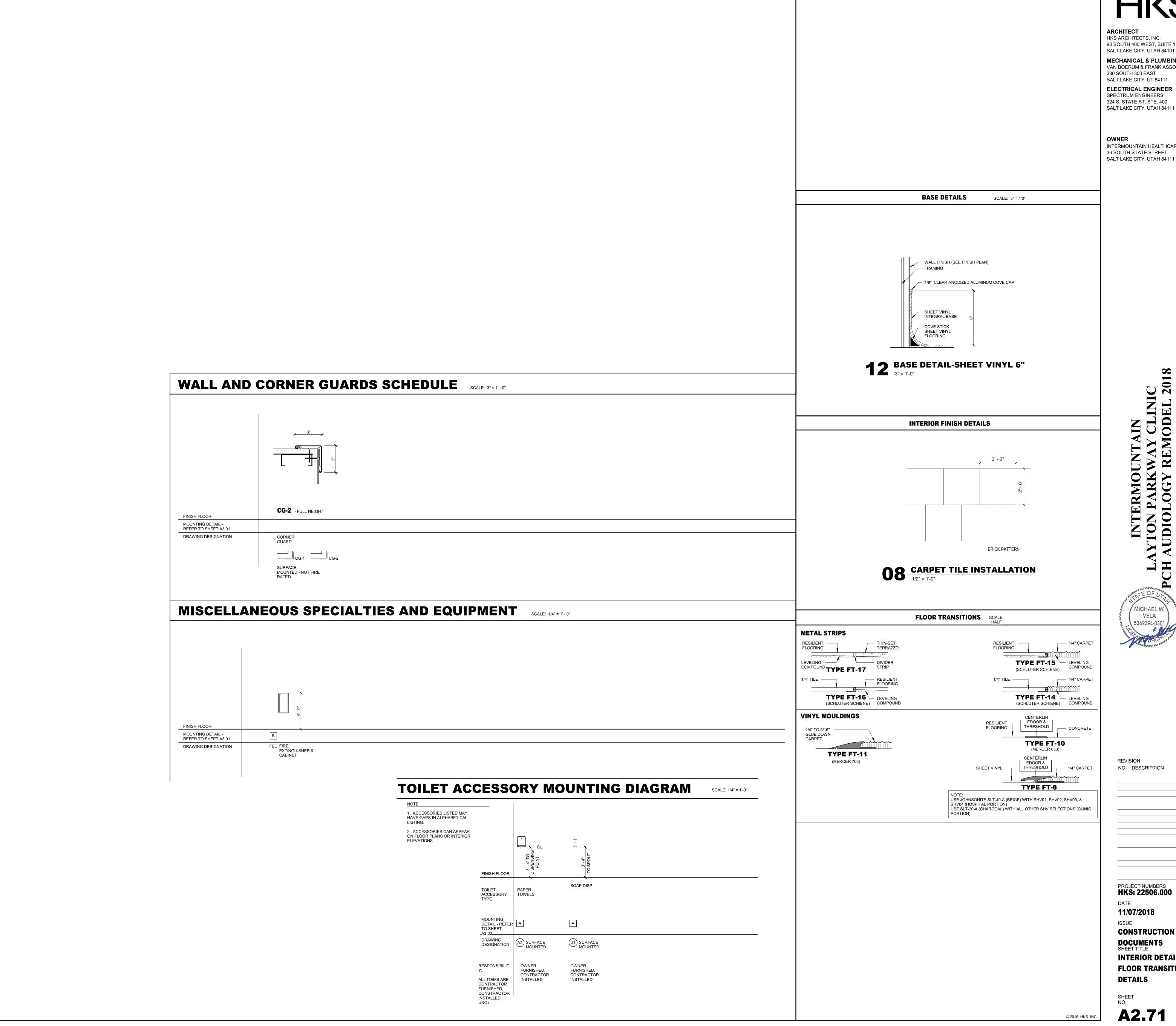
030 PROVIDE 18" ACCENT PAINT (IPT24) FROM EDGE OF DOOR FRAME TO DRYWALL REVEAL.REFER TO ELEVATIONS FOR MORE INFO. 031 PROVIDE 18" ACCENT PAINT (IPT18) FROM EDGE OF DOOR FRAME TO DRYWALL REVEAL.REFER TO ELEVATIONS FOR MORE INFO.

	MANUFACTURER	STYLE	NUMBER	COLOR	SIZE	COMMENTS	CONTACT
		·					
COUSTIC CT02	AL CEILING TILE ARMSTRONG	OPTIMA SQUARE LAY-IN	3152	WHITE	24" X 24"	USE GRID: SDG01	MATTHEW SANDER 323.219.5036
0102	7 II IIII OTTO	or min togotice but in	0102	Willie	24 7/24	GGE GIVID. GDGGT	WINTERVO OF WADER GEO. 2 To . GOOD
ARPET B							
B06	SHAW CONTRACT	UTOPIAN	43575	WINTER CLOUD	4"H	PEDS CLINIC	ROB HOLT 801.554.3883
ARPET TI	II F						
PT06	SHAW CONTRACT	QUARTZ TILE	5T017	AZURITE	18" X 36"	PEDS CLINIC + PRIMARY	ROB HOLT 801.554.3883
						CHILDRENS	
ODNED (NIADDO						
GORNER G	C/S ACROVYN	CORNER GUARD	SM-20N	PUMICE	3" LEGS X 4' HIGH	PVC FREE	
G02	C/S ACROVYN	CORNER GUARD	SM-20N	PUMICE	3" LEGS X 8' HIGH	PVC FREE	
G15	C/S ACROVYN	ACROVYN 4000 END GUARD	SSM-25MN	TBD	2" LEGS X 8' HIGH	PVC FREE	
NTERIOR			0.440.400	1		Ja 00 170 1 111 11 11 11	
PT03	SHERWIN WILLIAMS		SW6106	KILIM BEIGE		2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT05	SHERWIN WILLIAMS		SW6478	WATERY TRANSMILL AGUA		2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT06	SHERWIN WILLIAMS		SW7611	TRANQUIL AQUA		2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT08	SHERWIN WILLIAMS		SW6423	RYE GRASS		2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT18	SHERWIN WILLIAMS		SW6367	VIVA GOLD		2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT20	SHERWIN WILLIAMS		SW6492	JETSTREAM		2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT24 PT25	SHERWIN WILLIAMS SHERWIN WILLIAMS		SW6508 SW6710	SECURE BLUE MELANGE GREEN		2 COATS MINIMUM 2 COATS MINIMUM	TOM BRUMMETT 310.999.9396 TOM BRUMMETT 310.999.9396
PT25 PT26	SHERWIN WILLIAMS		SW9018	HONEY BEES		2 COATS MINIMUM 2 COATS MINIMUM	TOM BRUMMETT 310.999.9396
PT27	BENJAMIN MOORE		OC14	NATURAL CREAM		2 COATS MINIMUM	CONSTANCE 201.912.2829
		I	133				1 5
LASTIC L	AMINATE						
PL01	ARBORITE		W-465 EV	MOCHA MODERN CHERRY		WOODLOOK	EILEEN WALKER 714.388.8420
L05	ARBORITE		P-355 RM	WEATHERED HEMP		OFFICE COUNTER TOPS NON FURNITURE	EILEEN WALKER 714.388.8420
PL08	ARBORITE		W-464 EV	BLONDE MODERN CHERRY			EILEEN WALKER 714.388.8420
HEET VIN	IYL BASE						
HVB17	JOHNSONITE	ACCENT WOOD	29012	ALLOVER WOOD BROWN	6" HIGH		ELLEN WREN 440.708.5873
HVB18	JOHNSONITE	OPTIMA	861	CLOVER LEAF	6" HIGH		ELLEN WREN 440.708.5873
HVB19	JOHNSONITE	OPTIMA	843	PACIFICA	6" HIGH		ELLEN WREN 440.708.5873
HVB20	JOHNSONITE	OPTIMA	821	FROTHY LATTE	6" HIGH		ELLEN WREN 440.708.5873
HVB21	JOHNSONITE	OPTIMA	863	ABLAZED	6" HIGH		ELLEN WREN 440.708.5873
HVB22	JOHNSONITE	OPTIMA	831	HOT GINGER	6" HIGH		ELLEN WREN 440.708.5873
HVB23	JOHNSONITE	OPTIMA	834	PARSLEY	6" HIGH		ELLEN WREN 440.708.5873
SHVB24	JOHNSONITE	OPTIMA	838	SEASPRAY	6" HIGH		ELLEN WREN 440.708.5873
HVB25	JOHNSONITE	OPTIMA	839	SUBMERGED	6" HIGH		ELLEN WREN 440.708.5873
HEET \/IN	IYL FLOORING						
HV17	JOHNSONITE	ACCENT WOOD	29012	ALLOVER WOOD BROWN	SHEET		ELLEN WREN 440.708.5873
HV18	JOHNSONITE	OPTIMA	861	CLOVER LEAF	SHEET		ELLEN WREN 440.708.5873
HV19	JOHNSONITE	OPTIMA	843	PACIFICA	SHEET		ELLEN WREN 440.708.5873
HV20	JOHNSONITE	OPTIMA	821	FROTHY LATTE	SHEET		ELLEN WREN 440.708.5873
HV21	JOHNSONITE	OPTIMA	863	ABLAZED	SHEET		ELLEN WREN 440.708.5873
HV22	JOHNSONITE	OPTIMA	831	HOT GINGER	SHEET		ELLEN WREN 440.708.5873
HV23	JOHNSONITE	OPTIMA	834	PARSLEY	SHEET		ELLEN WREN 440.708.5873
HV24	JOHNSONITE	OPTIMA	838	SEASPRAY	SHEET		ELLEN WREN 440.708.5873
HV25	JOHNSONITE	OPTIMA	839	SUBMERGED	SHEET		ELLEN WREN 440.708.5873
	LL PROTECTION		0.50		\/\D\G::=	Invo	
WP01	C/S ACROVYN	.040" THICKNESS, RIGID SHEET	858	PUMICE	VARIOUS	PVC FREE	ELISA CONTRERAS 626-665-1321
WP05	NOT USED	0.4011 T1 1101 (0.170.0)	000	DANII ISS	\/AB:0::6	D) (0 FD=5	THE A CONTENT OF THE
SWP06	C/S ACROVYN	.040" THICKNESS, RIGID SHEET	223	DANUBE	VARIOUS	PVC FREE	ELISA CONTRERAS 626-665-1321
SWP07	C/S ACROVYN	.040" THICKNESS, RIGID SHEET	848	ASPEN	VARIOUS	PVC FREE	ELISA CONTRERAS 626-665-1321
	NOT USED	OAD! THICKNESS BISIS SHEET	244	CELEBY	VADIOUS	DVC FDFF	FLICA CONTREDAD COS COS 4004
	C/S ACROVYN	.040" THICKNESS, RIGID SHEET	311	CELERY	VARIOUS	PVC FREE	ELISA CONTRERAS 626-665-1321
SWP09	REACING EARRICATIONS						
	RFACING FABRICATIONS			CLAM SHELL	VARIES		MONICA SAMS 562 631 1078
SWP09	CORIAN			CLAM SHELL WHISPER	VARIES VARIES		MONICA SAMS 562.631.1078 MONICA SAMS 562.631.1078
WP09 OLID SUF SF01				CLAM SHELL WHISPER	VARIES VARIES		MONICA SAMS 562.631.1078 MONICA SAMS 562.631.1078
VP09 OLID SUF SF01 SF03	CORIAN						

PROVIDE 18" ACCENT PAINT (IPT06) FROM EDGE OF DOOR FRAME TO DRYWALL REVEAL.REFER TO ELEVATIONS FOR MORE INFO. 933 PROVIDE 18" ACCENT PAINT (IPT27) FROM EDGE OF DOOR FRAME TO DRYWALL REVEAL.REFER TO ELEVATIONS FOR MORE INFO.

NO. DESCRIPTION DATE

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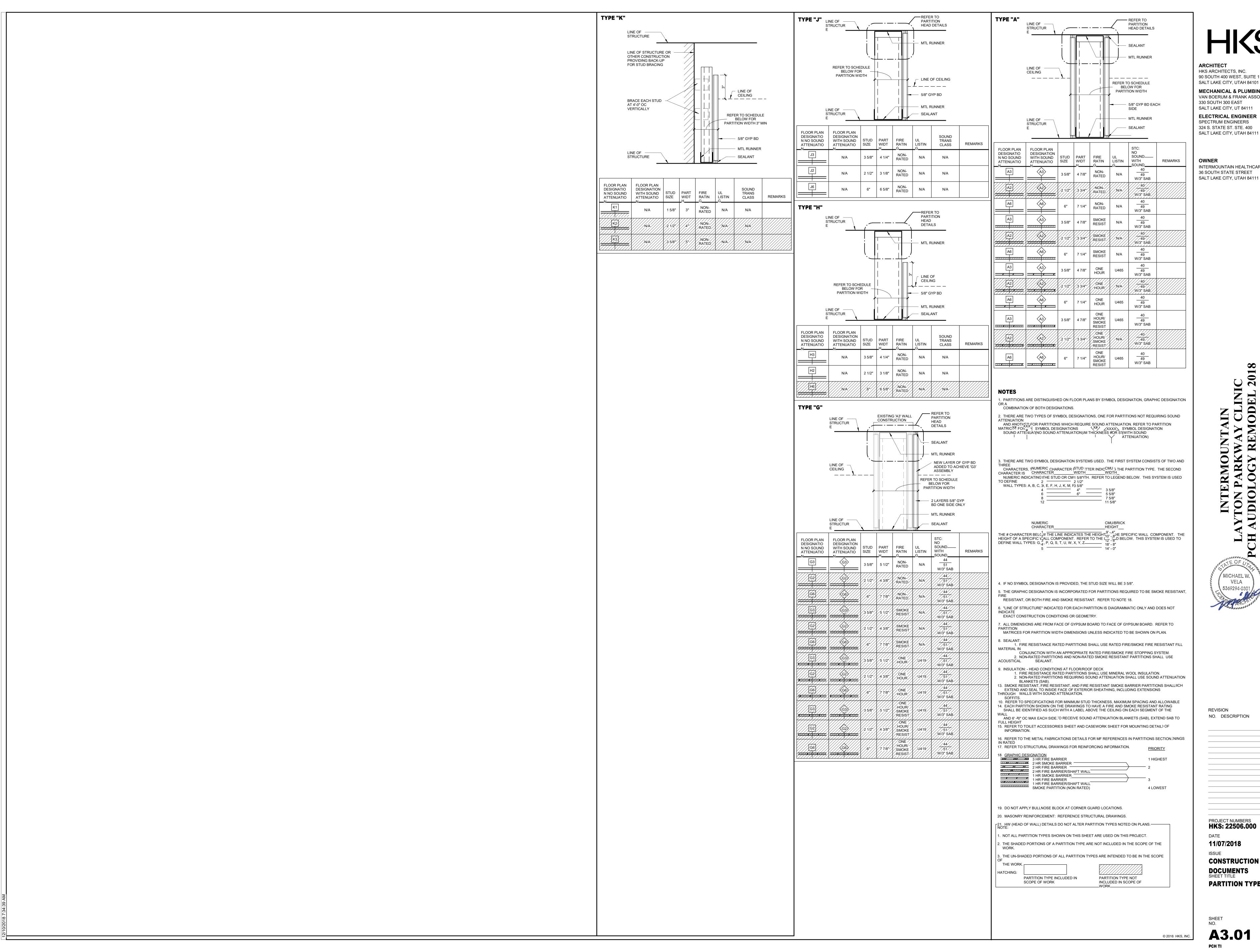
OWNER INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET

SALT LAKE CITY, UTAH 84111

REVISION NO. DESCRIPTION DATE

MICHAEL W. VELA

PROJECT NUMBERS **HKS: 22506.000** 11/07/2018 CONSTRUCTION DOCUMENTS SHEET TITLE **INTERIOR DETAILS -FLOOR TRANSITION DETAILS**



ARCHITECT HKS ARCHITECTS, INC. 90 SOUTH 400 WEST, SUITE 110 SALT LAKE CITY, UTAH 84101

MECHANICAL & PLUMBING ENGINEER VAN BOERUM & FRANK ASSOCIATES, INC. 330 SOUTH 300 EAST SALT LAKE CITY, UT 84111 **ELECTRICAL ENGINEER** SPECTRUM ENGINEERS

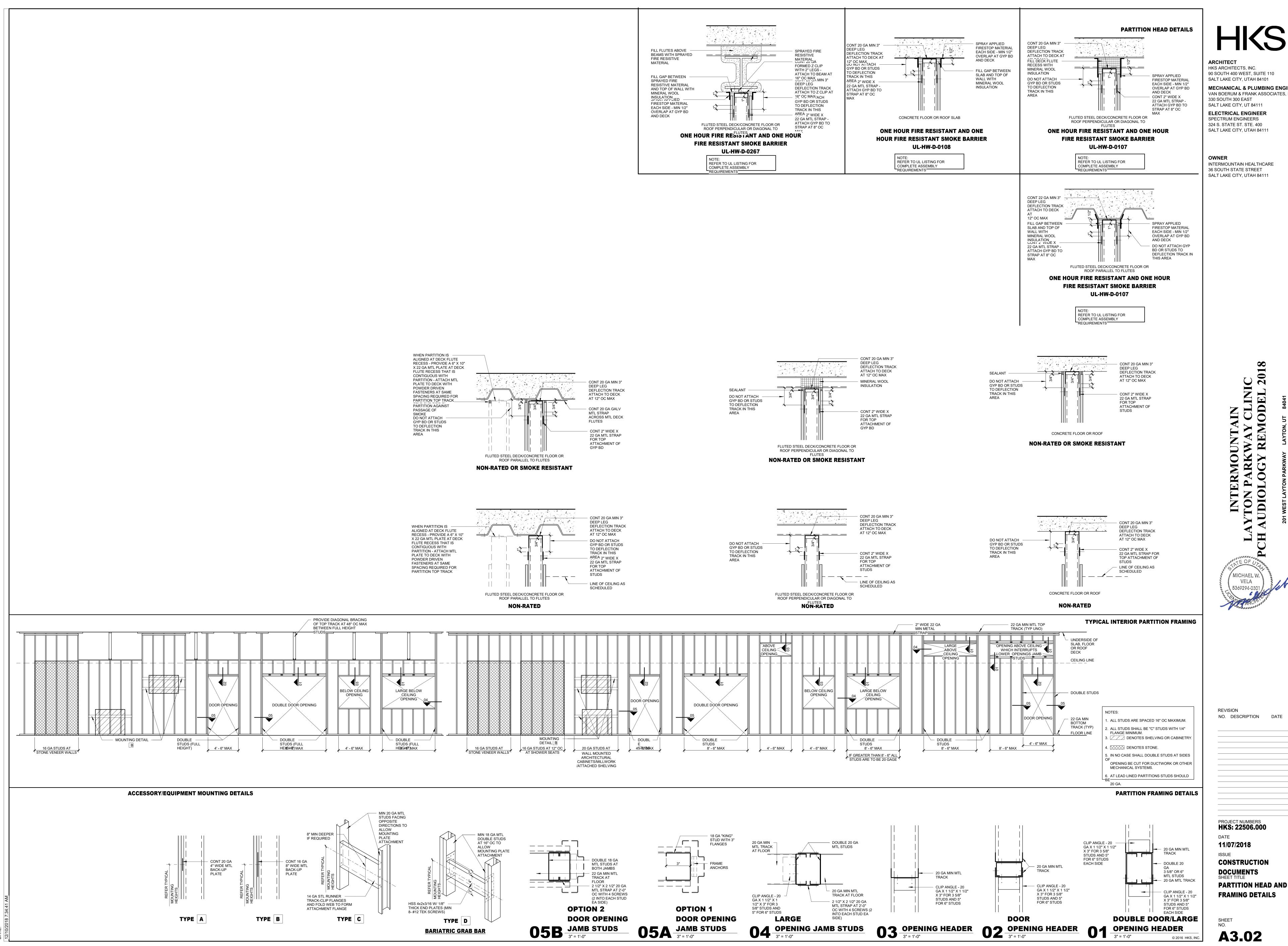
OWNER INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET

REVISION NO. DESCRIPTION DATE

VELA

PROJECT NUMBERS HKS: 22506.000

11/07/2018 ISSUE CONSTRUCTION **DOCUMENTS PARTITION TYPES**



HKS ARCHITECTS, INC. 90 SOUTH 400 WEST, SUITE 110

SALT LAKE CITY, UTAH 84101 **MECHANICAL & PLUMBING ENGINEER** VAN BOERUM & FRANK ASSOCIATES, INC.

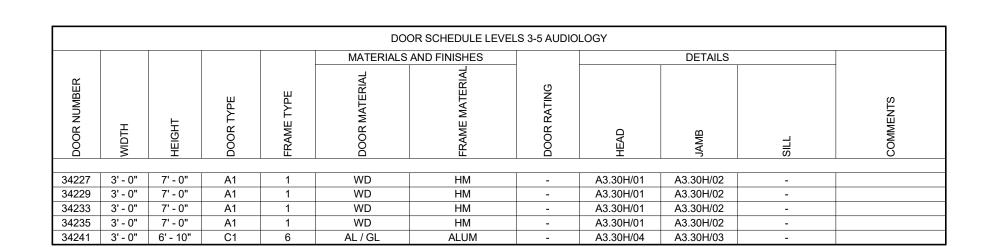
330 SOUTH 300 EAST SALT LAKE CITY, UT 84111 **ELECTRICAL ENGINEER** SPECTRUM ENGINEERS 324 S. STATE ST. STE. 400

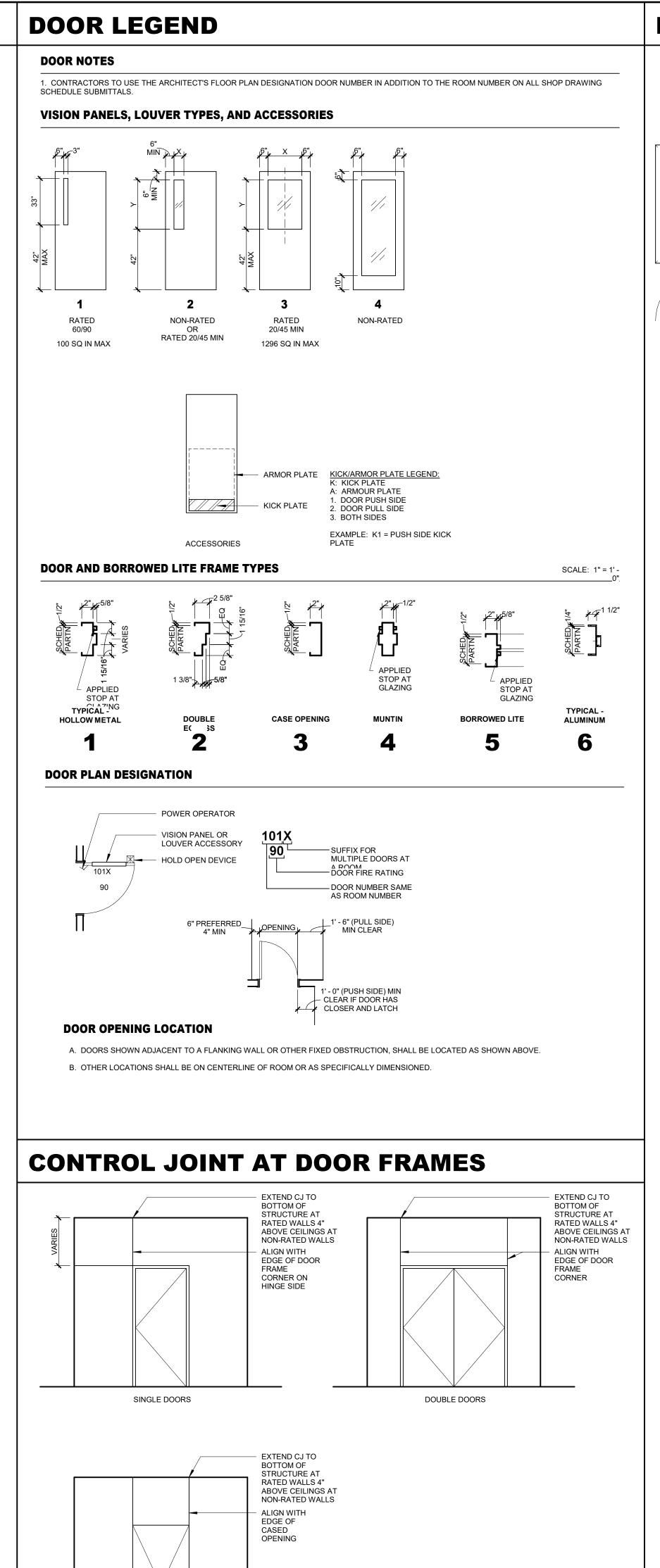
INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111

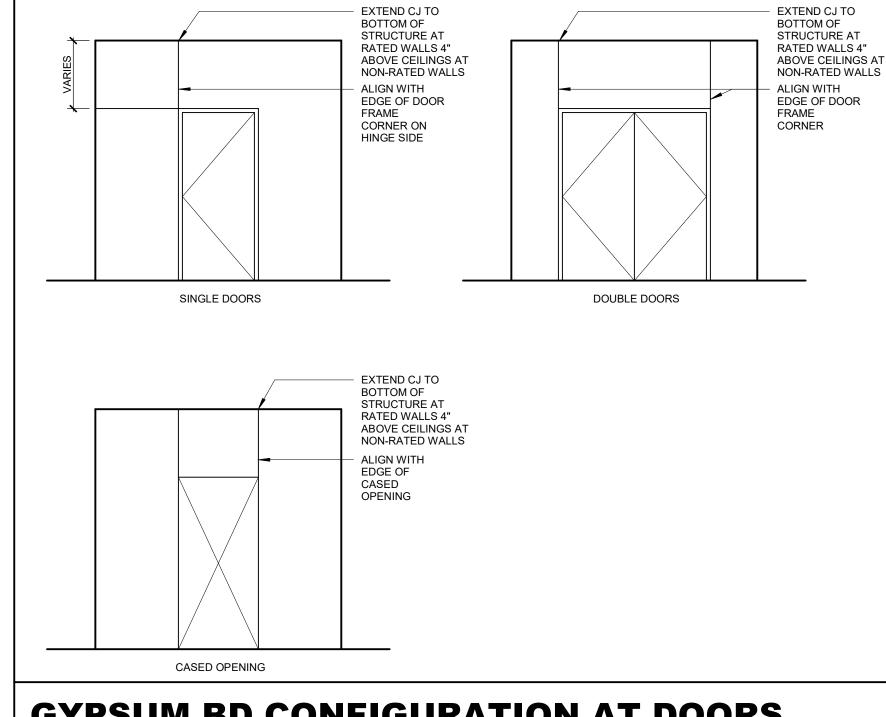
NO. DESCRIPTION DATE

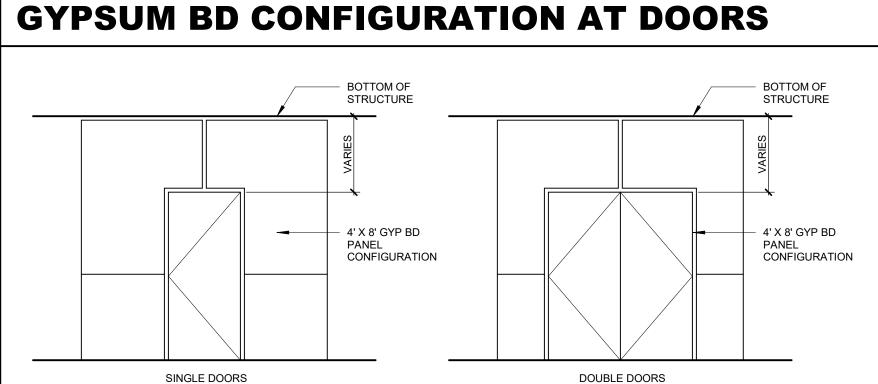
PROJECT NUMBERS

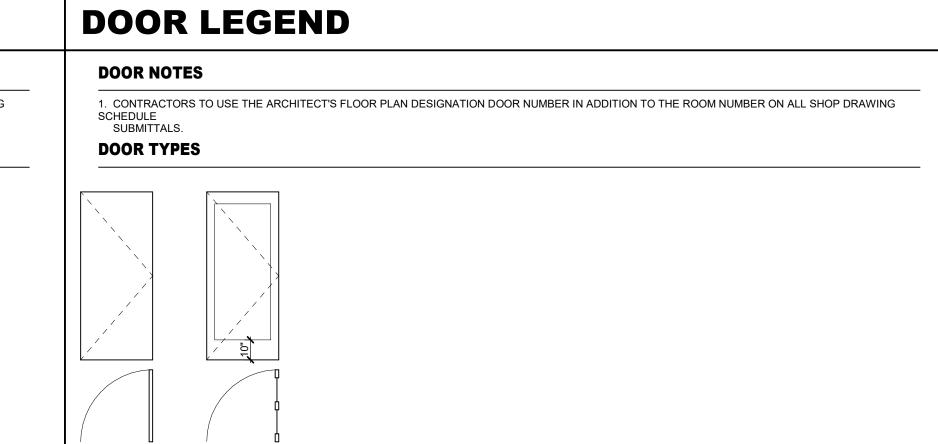
HKS: 22506.000 11/07/2018 CONSTRUCTION DOCUMENTS SHEET TITLE

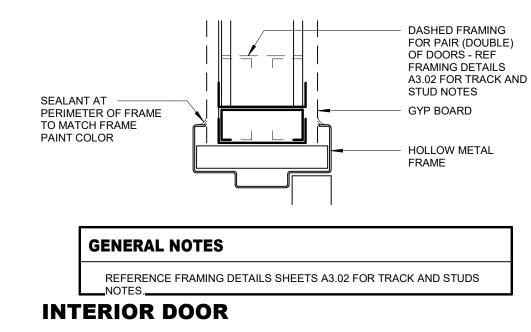












1 HEAD DETAIL - HOLLOW METAL

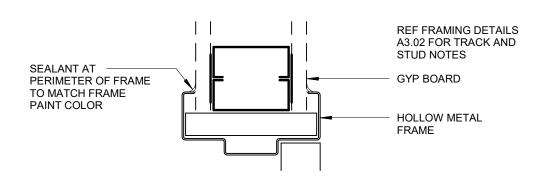
3" = 1'-0"

FLUSH

SINGLE

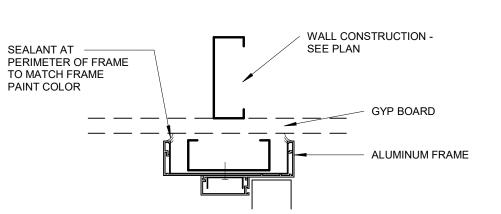
ALUMINUM

SINGLE

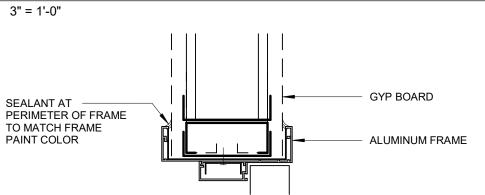


INTERIOR DOOR O2 JAMB DETAIL - HOLLOW METAL

3" = 1'-0"

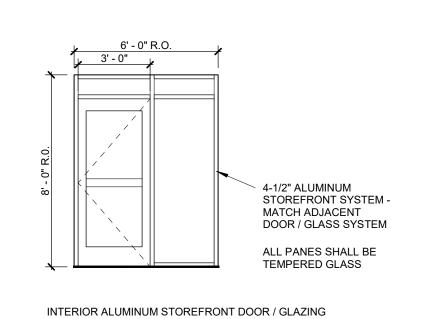


INTERIOR DOOR O3 JAMB DETAIL - ALUMINUM
3" = 1'-0"



INTERIOR DOOR 04 HEAD DETAIL - ALUMINUM

3" = 1'-0"



ARCHITECT HKS ARCHITECTS, INC. 90 SOUTH 400 WEST, SUITE 110 SALT LAKE CITY, UTAH 84101

> MECHANICAL & PLUMBING ENGINEER VAN BOERUM & FRANK ASSOCIATES, INC. 330 SOUTH 300 EAST SALT LAKE CITY, UT 84111 **ELECTRICAL ENGINEER** SPECTRUM ENGINEERS

OWNER

324 S. STATE ST. STE. 400

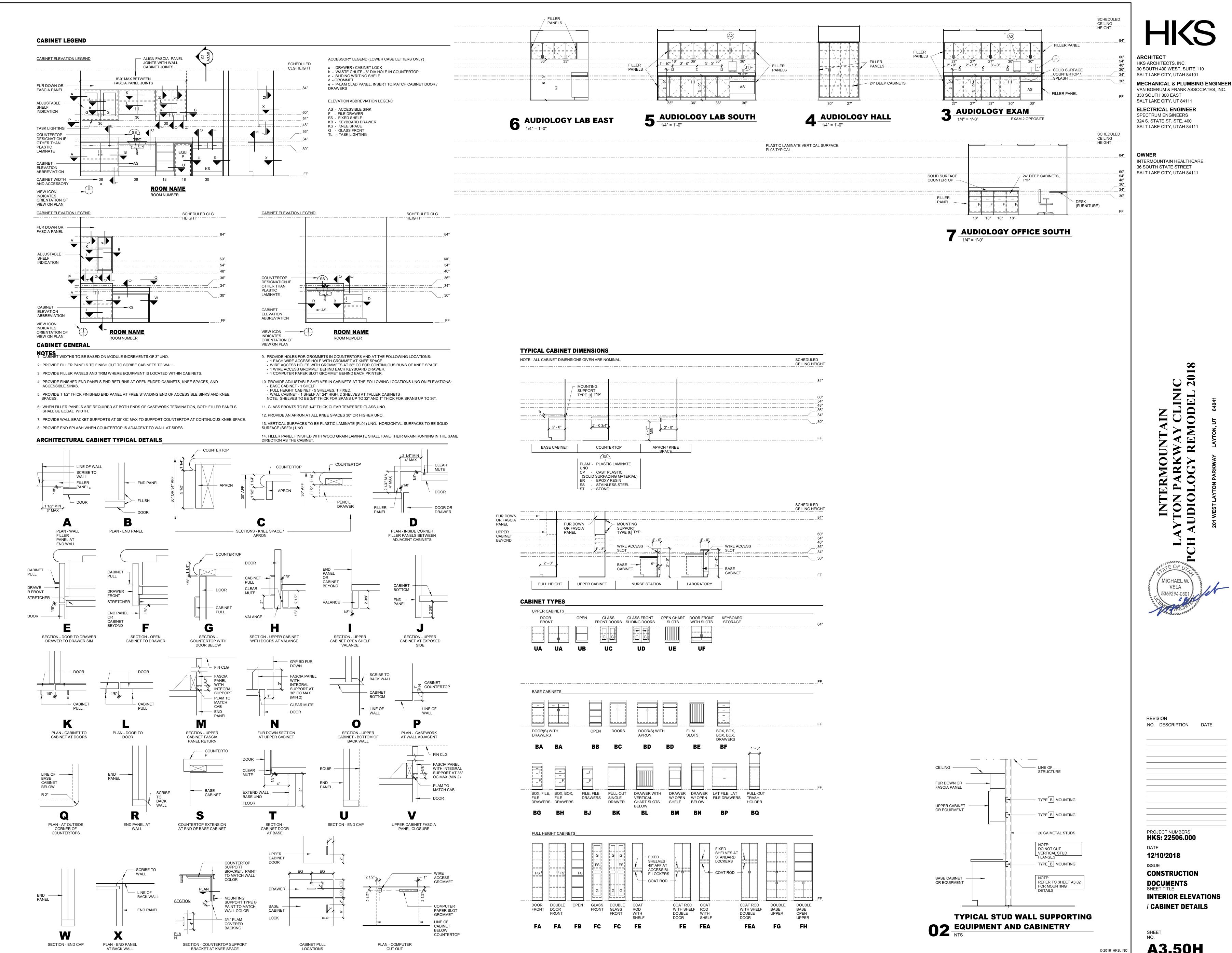
SALT LAKE CITY, UTAH 84111

INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111

REVISION NO. DESCRIPTION DATE

PROJECT NUMBERS **HKS: 22506.000** 11/07/2018 CONSTRUCTION **DOCUMENTS** SHEET TITLE **DOOR, SAFETY GLAZING INFORMATION**

A3.30



SHEET NO. A3.50H

PROJECT NUMBERS

12/10/2018

DOCUMENTS

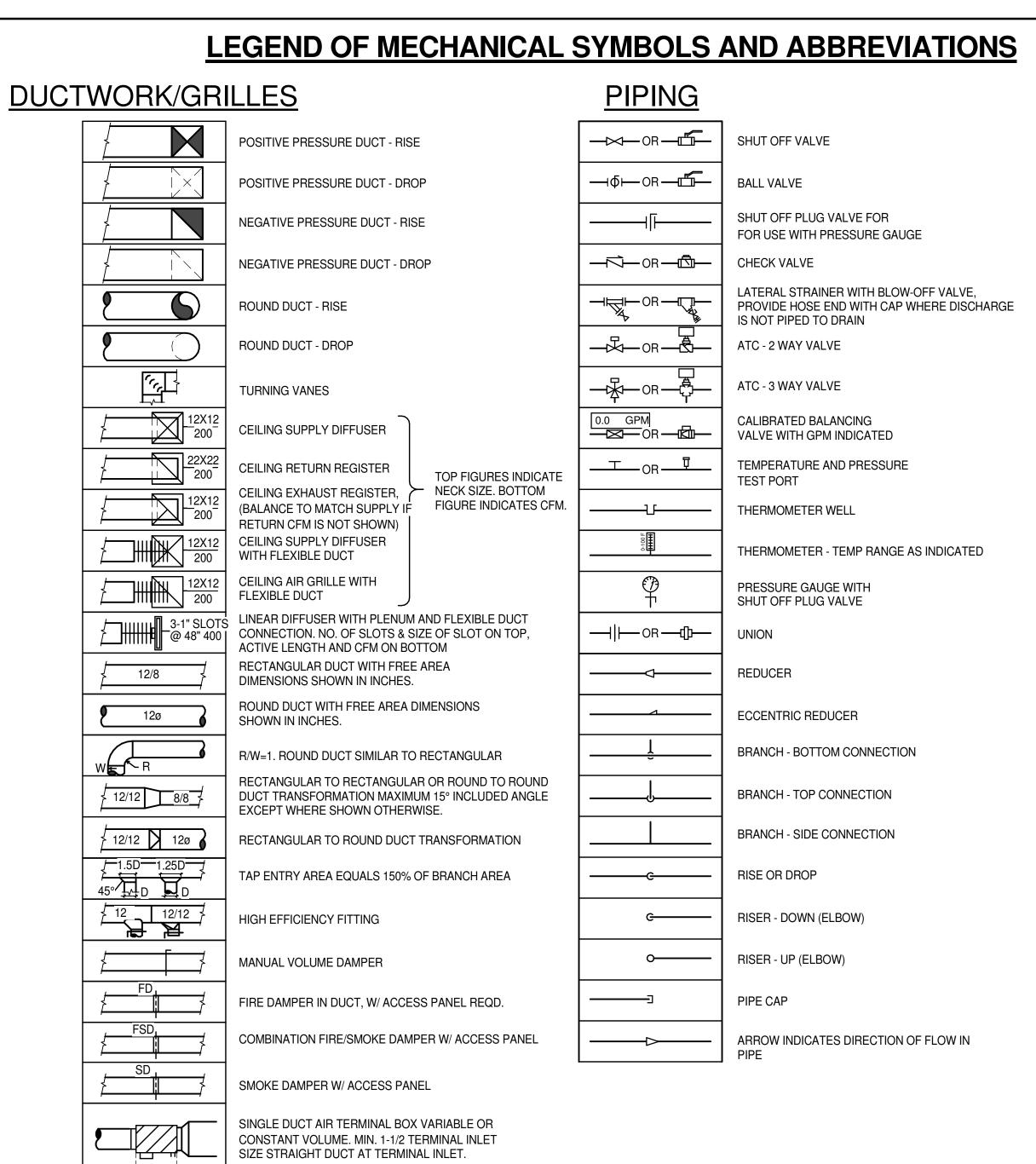
ISSUE

HKS: 22506.000

VELA

REVISION

NO. DESCRIPTION DATE



PLUMBING

LINETYPES

——E(NAME)——

——HWS——

ANNOTATIONS

\ M-101 \

M101

(T)

2	THERMOSTATIC MIXING VALVE
₃ ×	HOSE BIBB
	FLOOR SINK
	FLOOR DRAIN
———ф ^{FCO} сотg	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
P	WATER HAMMER ARRESTOR
	CLEAN-OUT
(NAME) O	FIXTURE FROM LEVEL ABOVE

DOMESTIC COLD WATER (DCW)

DOMESTIC HOT WATER (DHW)

EXISTING PIPING

DOMESTIC HOT WATER RETURN

HEATING HOT WATER RETURN

HEATING HOT WATER SUPPLY

SEWER (BELOW GRADE)

SEWER (ABOVE GRADE)

POINT OF CONNECTION

SECTION TAG - TOP FIGURE IS SECTION NO.

DETAIL TAG - TOP FIGURE IS DETAIL NO.

EQUIPMENT IDENTIFICATION

KEYED NOTE IDENTIFICATION

THERMOSTAT

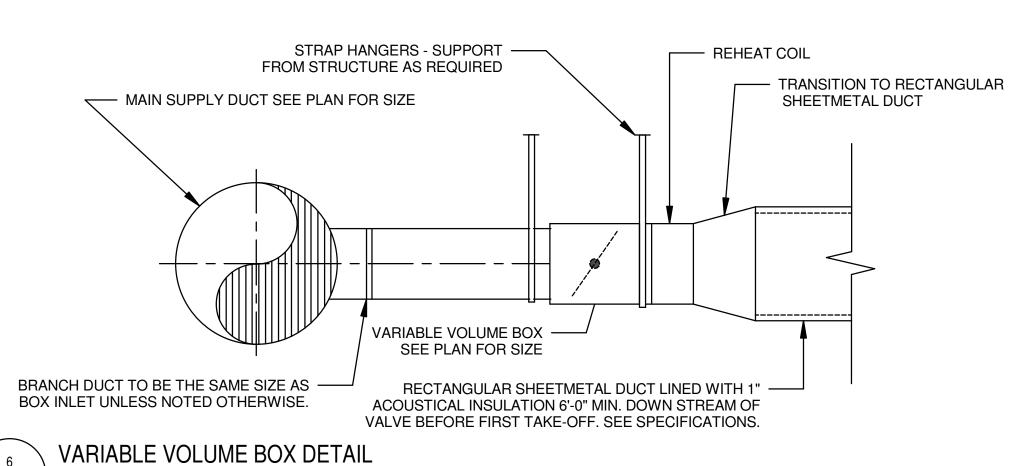
BOTTOM FIGURE IS SHEET NO.

BOTTOM FIGURE IS SHEET NO.

VENT (SEWER)

PLUMBING

FIXTURES



— SEE CONNECTION SCHEDULE AND DETAILS

∠ INSULATION WHERE

- ACOUSTICAL FLEX. DUCT

5'-0" MAXIMUM LENGTH

SPIRAL DUCT

— CLAMPING DEVICE (TYP.)

- CEILING DIFFUSER

- DUCT HANGER AS

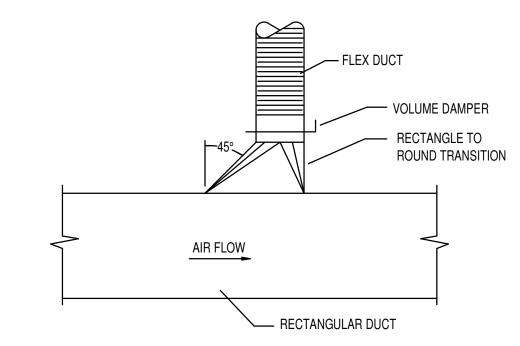
RECOMMENDED

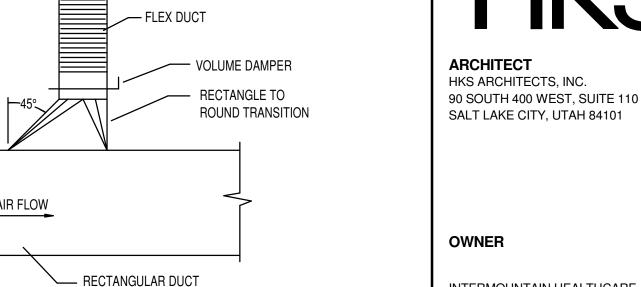
BY SMACNA

12 GA. SHEET

METAL HANGER STRAP

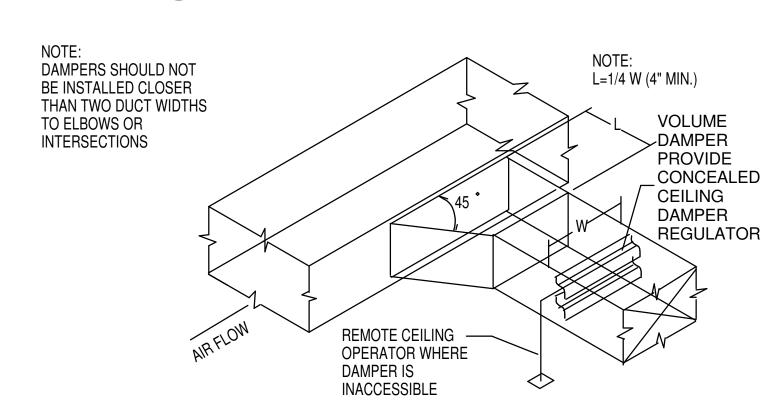
2 1/2" X 12 GA. SHEET METAL RESTRAINT STRAP

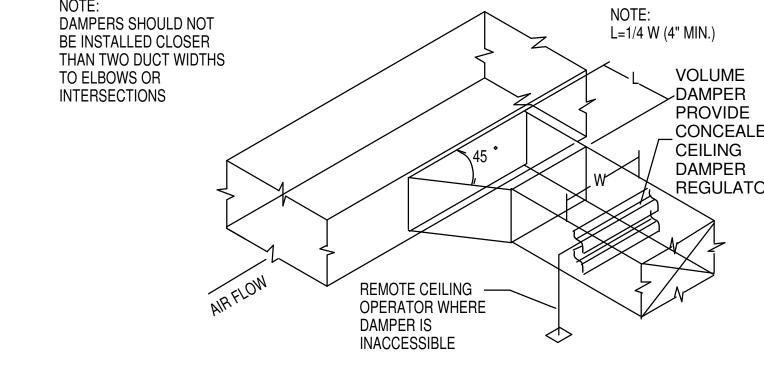


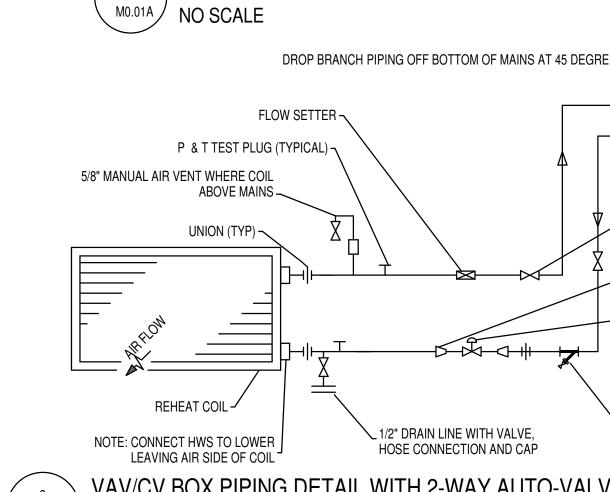


INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111

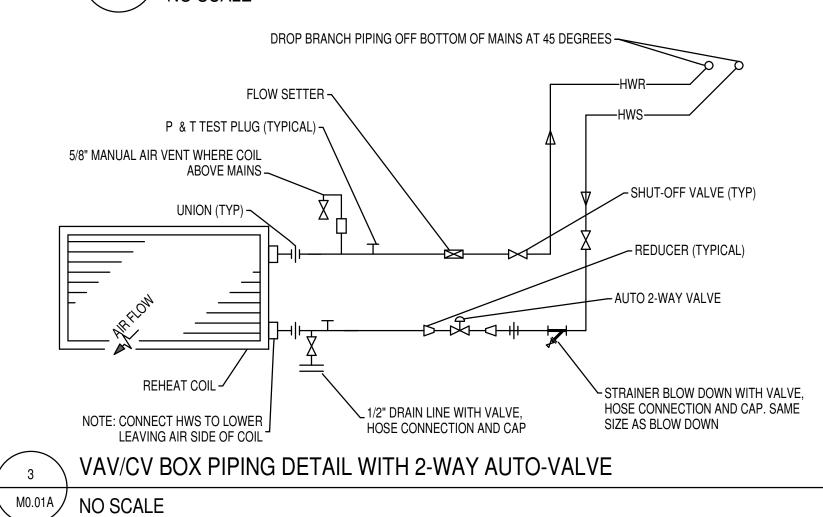
HIGH EFFICIENCY TAKE-OFF DETAIL NO SCALE M0.01A

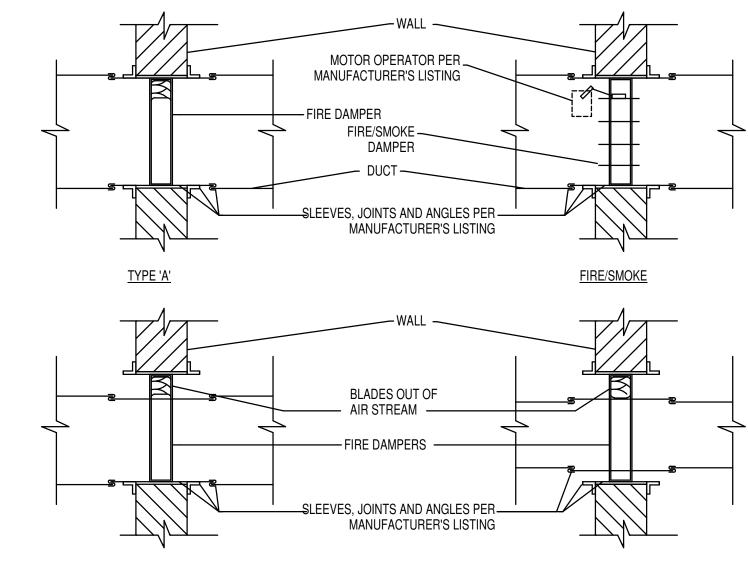






BRANCH DUCT TAKE-OFF & DAMPER





TYPE 'B' FIRE DAMPER & FIRE/SMOKE DAMPER DETAILS M0.01A NO SCALE 110° HOT WATER 130° HOT WATER COLD SUPPLY \ LAVATORY MIXING VALVE DETAIL

M0.01A / NO SCALE

PLUMBING FIXTURE SCHEDULE **FIXTURE** NOTES SINK (BASIN INTEGRAL TO COUNTERTOP): CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN8FC RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE WITH WATTS # 7 DUAL CHECK VALVES ON HOT AND COLD LINES INSTALLED IN CEILING. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS.; FLEXIBLE WORK SINK STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY SINK (STAINLESS STEEL, COUNTER MOUNTED, DOUBLE COMPARTMENT): ELKAY LR4322 18 GA. TYPE 304 STAINLESS STEEL SINK, 33"X22"X6-1/2" DEEP, CHICAGO 786-GN8FCABCP FAUCET, WITH WRIST BLADE HANDLES, RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE WITH ZURN MODEL SXL STRAINERS AND ZURN MODEL 40XL2 CHECK VALVES ON 2-COMP SINK HOT AND COLD LINES INSTALLED IN CEILING. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS.: FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS: CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.

				MAX	MAX		
ID	MANUFACTURER	MODEL	SIZE	CFM	NC	DESCRIPTION	
			6" DIA	110		SQUARE PLAQUE CEILING DIFFUSERS. REMOVABLE FACE & CORE	
			8" DIA	235		FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED	
CD-1	EH PRICE	SPD	10" DIA	420	30	BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12"	
			12" DIA	600		OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.	
			14" DIA	800		PROVIDE ROUND NECK ADAPTER. COLOR TO BE SELECTED BY ARCHITECT.	
			15" DIA	850			
			6" DIA	100		PERFORATED FACE RETURN AIR GRILLE, REMOVABLE FACE & CORE.	
			8" DIA	210		FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED	
RG-1 / EG-1	EH PRICE	PDDR	10" DIA	380	30	BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR	
			12" DIA	600		12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR	
			14" DIA	750		QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.	
			15" DIA	1000		PROVIDE ROUND NECK ADAPTER. COLOR TO BE SELECTED BY ARCHITECT.	

				VAV	BOX SC	HEDULE							
				AIR						FLUID (2)			
				COOLING	HEATING		LEAVING			, ,	TOTAL		
	MANUFACTURER		INLET	MAXIMUM	MAXIMUM	MINIMUM	AIR TEMP.	NC L	EVEL	HEAT	FLUID		
	AND	AREA	SIZE	AIR	AIR	AIR	DB	@ 2	" S.P.	LOAD	FLOW	WORKING	
ID	MODEL NUMBER	SERVED	(IN)	(CFM)	(CFM)	(CFM)	(DEG. F)	AIR	RAD	(MBH)	(GPM)	FLUID	REMARKS
EVEL 3					,					,			
VR-B3-43	PRICE SDV	AUDIOLOGY BOOTHS	6	225	225	225	80	18	15	5.8	0.5	WATER	(1)(2)(3)(4)
VR-B3-44	PRICE SDV	EXAM ROOMS	6	220	220	220	80	19	18	5.7	0.5	WATER	(1)(2)(3)(4)
VR-B3-45	PRICE SDV	LAB	8	415	205	205	80	24	22	5.3	0.5	WATER	(1)(2)(3)(4)
VR-B3-46	PRICE SDV	SHELL SPACE	8	450	135	135	80	25	22	3.5	0.5	WATER	(1)(2)(3)(4)

√ MO.01A / NO SCALE

M0.01A NO SCALE

SECURE WIRE -

TO STRUCTURE

ABOVE

4" WIDE SHEET

METAL STRAP

SECURE DIFFUSER

M0.01A NO SCALE

TO STRUCTURE

- CABLE-SEE DETAIL, BRACING AND

DIFFUSER CONNECTION DETAIL

OF ANGLE, BOLT AND CABLE.

CONNECTION SCHÉDULES FOR SIZE

CABLE BRACING FOR ROUND AND OVAL DUCTS

(1) ENTERING AIR AT 52 DEG. F. @ 4,300 FEET ELEVATION. (2) GPM BASED ON 130 DEG. F. ENTERING WATER TEMPERATURE; 100 DEG. F. LEAVING WATER TEMPERATURE. (3) COIL MAXIMUM WATER P.D. AT 5.0 FT HD; MAXIMUM BOX AIR P.D. IS 0.40 IN. W.G.

(4) PRESSURE INDEPENDENT TYPE BOX.

SHEET NO.

SYMBOLS, DETAILS

AND SCHEDULES

PROJECT NUMBERS **HKS: 18972.000**

CONSTRUCTION

DOCUMENTS

MECHANICAL

12/5/18

ISSUE

DONALD K. BRADSHAW

REVISION

NO. DESCRIPTION DATE

FIRE PROTECTION GENERAL NOTES

DRAWING SHOULD NOT BE CONSIDERED AS A SHOP DRAWING. CONTRACTOR COORDINATE ALL PIPING WITH STRUCTURAL, MECHANICAL AND ELECTRICAL. SUBMIT SHOP DRAWINGS FOR FINAL REVIEW.

LEVEL 2 PLUMBING PLAN

1/8" = 1'-0"

- OFFSETS ARE TO BE ANTICIPATED IN BRANCH LINES AND ARE TO BE COORDINATED BY THE CONTRACTOR WITH ALL OTHER TRADES. MAKE ADDITIONAL OFFSETS AS REQUIRED.
- HANGERS AND BRACING ARE NOT SHOWN ON THIS DRAWING. REFER TO THE SPECIFICATION REQUIREMENTS AND INSTALL ACCORDINGLY.
- ALL HEADS ARE TO BE CONCEALED TYPE, APPROVED SPRINKLERS. COLOR TO MATCH
- CONTRACTOR IS TO DEVELOP SHOP DRAWINGS AND HYDRAULIC CALCULATIONS CONFORMING TO NFPA 13. ADDITIONAL HEADS AND/OR PIPING REQUIRED TO MEET SAID STANDARDS IS THE RESPONSIBILITY OF THE CONTRACTOR. LOCATION OF ADDITIONAL HEADS ARE TO BE COORDINATED WITH ARCHITECT AND ENGINEER AND SUBMITTED FOR THEIR REVIEW. PIPE SIZES SHOWN ON DRAWING ARE FOR ILLUSTRATION PURPOSES ONLY FOR GENERAL COORDINATION.
- NO FIRE PROTECTION LINE IS TO BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING, AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- 7. PIPING SHALL BE SCH 40 OR DYNA-THREAD OR EQUAL.

PLUMBING GENERAL NOTES

3 LEVEL 3 PLUMBING PLAN

1/8" = 1'-0"

UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT.

(5.7)

- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
- PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- 4. ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW
- MAINTENANCE ACCESS. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S, OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
- INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
- INSTALL A 24"x24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS. COORDINATE LOCATIONS WITH ARCHITECT.
- 10. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING FOR ACCESSIBILITY.
- 11. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.

12. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND

PROVIDE SLEEVES IF NECESSARY. 13. COORDINATE EXACT LOCATION OF PLUMBING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, DUCTWORK, MECHANICAL PIPING, MEDICAL GASES, FIRE PROTECTION AND OTHER

TRADES AND ALL EXISTING CONDITIONS, TYPICAL.

PLUMBING GENERAL NOTES

- 14. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
- LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24"X24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING.
- 16. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING:
- a) SIZE SAME AS DRAINAGE PIPING UP TO 4"NPS. USE 4" NPS AND LARGER DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED. b) LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4"NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
- c) LOCATE AT THE BASE OF EACH VERTICAL STACK.

MECHANICAL PIPING GENERAL NOTES

MECHANICAL PLAN

(5.9)

→ MECHANICAL PIPING PLAN

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY
- UNLESS OTHERWISE NOTED; ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK.
- INSTALL A 24"x24" ACCESS PANEL BELOW ALL VALVES, CIRCUIT SETTERS, AND CONTROL VALVES OVER HARD CEILINGS.
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS
- INSTALL MANUAL AIR VENTS AT ALL HYDRONIC SYSTEM HIGH POINTS.
- INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- 10. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- 13. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.
- 14. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
- 15. PIPING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- 16. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURER'S RECOMMENDATION. PROVIDE A 24"X24" ACCESS DOOR BELOW EQUIPMENT BOX AND CONTROL VALVES WHERE INSTALL OVER HARD CEILING AREAS. COORDINATE LOCATIONS WITH ARCHITECT.
- 17. MECHANICAL PIPING TO BE INSTALLED ABOVE DUCTWORK AND EQUIPMENT EXCEPT WHERE SHOWN.
- 18. FIELD VERIFY ALL EQUIPMENT LOCATIONS.
- 19. DETAILS REFERENCE ALL SHEETS.

MECHANICAL GENERAL NOTES

- PROVIDE CD-1 TYPE DIFFUSER, AS SCHEDULED, FOR ALL CEILING SUPPLY DIFFUSERS UNLESS NOTED OTHERWISE.
- PROVIDE RG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING RETURN GRILLES SHOWN AS SUCH. PROVIDE SIZE 22x22, OR 22x10
- WITH SOUND BOOT FOR UNDUCTED GRILLES. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO
- SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
- COORDINATE EXACT LOCATION OF DUCTS WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, PLUMBING, MECHANICAL PIPING, ETC.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK SIZE OF THE DIFFUSER, REGISTER OR GRILLE IT SERVES UNLESS NOTED
- INSTALL HARD ELBOWS AS SHOWN. HARD ELBOWS ARE REQUIRED FOR SOUND ATTENUATION.
- INSTALL EQUIPMENT WITH CLEARANCE PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN PROPER SPACE FOR COIL PULL, CONTROLS, AND MAINTENANCE ACCESS.
- INSTALL TURNING VANES IN ALL SQUARE AND RECTANGULAR LOW
- PRESSURE DUCTWORK.
- DETAILS REFERENCE ALL SHEETS.
- 10. ALL FIRE DAMPERS ARE 1-1/2 HR RATED, UNLESS NOTED OTHERWISE.
- DO NOT ROUTE DUCTS OR PIPES ABOVE ELECTRICAL PANELS. DO NOT ROUTE DUCTS OR PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
- 12. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE
- PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC, ARE LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE LOCATIONS WITH ARCHITECT.

HKS ARCHITECTS, INC. 90 SOUTH 400 WEST, SUITE 110 SALT LAKE CITY, UTAH 84101

ARCHITECT

OWNER

INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111

DONALD K. BRADSHAW

NO. DESCRIPTION DATE

REVISION

PROJECT NUMBERS HKS: 18972.000

12/05/18 ISSUE CONSTRUCTION **DOCUMENTS**

MECHANICAL & PLUMBING PLANS

SHEET NO.

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4. SUBMITTALS: PROVIDE SUBMITTALS IN THREE RING BINDERS WITH JOB NAME,

COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.

			OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
			LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
		\(\begin{array}{c} \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
		1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
		1	CONDUCTOR RUN IDENTIFICATION.
		O	JUNCTION BOX.
		O _{SC}	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
		O _{SP}	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
			JUNCTION BOX, DUCT, UNDERFLOOR. TRIPLE, DOUBLE OR SINGLE DUCT SYSTEM AS INDICATED BY THE NUMBER OF PARALLEL LINES. DESIGNATIONS AS SHOWN FOR WIRING AND/OR RACEWAY SYMBOLS.
			DUCT CELL FLOOR HEADER.
	[F	РВ	PULL BOX.
	W	[W]	WIREWAY.
		<u>_</u>	EARTH GROUND (ONE-LINE DIAGRAM).
		Φ _C	JUNCTION BOX, CEILING.
			LADDER RACK.
	WIRIN	G DEVICI	ES
		ф	RECEPTACLE, SINGLE: NEMA 5-20R.
		Ш	RECEPTACLE, DUPLEX: NEMA 5-20R.
		₩ _A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
		ф _с	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
		d□	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.
		∯ _{DF}	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
		∯ IG	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
		∯s	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
		∯ uc	RECEPTACLE, DUPLEX, FLOOR, UNDER CARPET: NEMA 5-20R.
*		₩ w	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
		₩ _P	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
TRAL		d	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
ELEC CENTRAL_jrw.rvt		Ь	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.
_		\blacksquare	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
30676		₩ _{WP}	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
ments\20180676		₩	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
ment	=	b	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.

SYMBOL LEGEND

DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501

INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION

INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION

INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.

ELEVATION OR SECTION INDICATOR, EXTERIOR: A5

INDICATES ELEVATION OR SECTION NUMBER, E-201

ELEVATION OR SECTION INDICATOR, INTERIOR: A5

INDICATES ELEVATION OR SECTION NUMBER, E-201

SYMBOL DESCRIPTION

REFERENCE AND LINE SYMBOLS

IS SHOWN.

IS SHOWN.

CU-1

WIRING METHODS

WIRING.

FLEXIBLE WIRING.

ROOM OR SPACE NUMBER.

KEYNOTE INDICATOR.

REVISION INDICATOR.

EQUIPMENT INDICATOR.

BREAK, ROUND.

———— NEW LINE: MEDIUM LINE.

BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING.

MATCH LINE SEE XX/X-XXX MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.

----- HIDDEN FEATURES LINE: HIDDEN, THIN LINE.

EXISTING TO REMAIN LINE: THIN LINE.

DEMOLITION LINE: DASHED, MEDIUM LINE.

PROPERTY LINE: DASHED, WIDE LINE.

CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.

WIRING TURNED UP OR TOWARDS OBSERVER.

AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10

EQUIPMENT SCHEDULE FOR CONDUIT AND CONDUCTOR

QUANTITY OF CONDUCTORS.

CCTV = CLOSED CIRCUIT

FA = FIRE ALARM

FO = FIBER OPTICS = INTERCOM

TELEVISION

WIRING TURNED DOWN OR AWAY FROM OBSERVER.

BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER

CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.

FEEDER HOMERUN: REFER TO ONE-LINE DIAGRAMS AND

WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = :

CATV = CABLE TELEVISION NC = NURSE CALL

REQUIREMENTS. ARROWS DO NOT NECESSARILY INDICATE THE

P = POWER

RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.

RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT

RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE

INTERRUPTER: NEMA 5-20R.

TO MATCH EQUIPMENT PLUG.

S = SOUND

RC = RIGID CONDUIT

T = TELEPHONE

TV = TELEVISION

	SYMBOL LEGEND
SYMBOL	DESCRIPTION
WIRING DEVIC	L ES
<u></u>	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
s	CONTROLLED BY OCCUPANCY SENSOR & ROOM CONTROLLER. RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY
<u> </u>	POWER: NEMA 5-20R.
\bigoplus	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT
\blacksquare	INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	DECEDITACI E CHARDADI EV HOODITAL ODADE, NEMA E COD
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
—	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
•	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
11	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT
#	INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE
	TO MATCH EQUIPMENT PLUG. RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER.
•	PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
□	RECEPTACLE, DRYER: NEMA 10-30R.
₩R	RECEPTACLE, RANGE: NEMA 10-50R.
*	RECEPTACLE, USB
<u>₩</u>	RECEPTACLE, USB, HOSPITAL GRADE
•	
<u> </u>	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
ED#1	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO
FB#	WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO
PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	T
PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE
. 117	ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
EPO EPO	RADIOLOGY EMERGENCY SHUT OFF.
Ф	SWITCH, DIMMER.
Ψ * *	
	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
\$2 	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
\$ 3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
\$ ^X	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
\$DS	SWITCH, DOOR.
\$K	SWITCH, KEY OPERATED.
·	
\$P	SWITCH, PILOT LIGHT.
\$Т	SWITCH, TIMER OPERATED.
\$WP	SWITCH, WEATHERPROOF.
ф _т	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, CONNECTED TO UPS: NEMA 5-20R.
	ER TO FIXTURE SCHEDULE FOR SYMBOLS)
	,
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3)	FIXTURE IDENTIFICATION, CONNECTED TO GENERATOR AS INDICATED: (W-3)
	INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
<u> </u>	EGRESS DIRECTION ARROW.
IGHTING CON	TROL
>‡<	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
* P	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, DAYLIGHT CONTROLLER CEILING.
·····································	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
⊕	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
\ <u>\</u> _	OCCUPANCY SENSOR, ULTRASONIC, OMNI-DIRECTIONAL, CEILING.
*u	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL,
<u>*U</u>	CEILING.
_	CEILING.
_	
☆ WS-101	LITE TOUCH STATION INDICATOR.
☆ WS-101 **∨	CEILING.
☆ WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR.
☆ WS-101 **∨	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING
	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR.
₩S-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING
	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR.
₩S-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. COMMUNICATIONS OUTLET, 3 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. COMMUNICATIONS OUTLET, 3 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE. COMMUNICATIONS OUTLET, 1 DATA PORT, 1 ANALOG PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE. COMMUNICATIONS OUTLET, 1 DATA PORT, 1 ANALOG PORT. TELEPHONE, WALL MOUNTED, 1 ANALOG PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE. COMMUNICATIONS OUTLET, 1 DATA PORT, 1 ANALOG PORT. TELEPHONE, WALL MOUNTED, 1 ANALOG PORT. COMMUNICATIONS OUTLET, 1 ANALOG PORT. TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED.
WS-101 V DM SM TRUCTURED V WAP VW WAP	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE. COMMUNICATIONS OUTLET, 1 DATA PORT, 1 ANALOG PORT. TELEPHONE, WALL MOUNTED, 1 ANALOG PORT. COMMUNICATIONS OUTLET, 1 ANALOG PORT.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE. COMMUNICATIONS OUTLET, 1 DATA PORT, 1 ANALOG PORT. TELEPHONE, WALL MOUNTED, 1 ANALOG PORT. COMMUNICATIONS OUTLET, 1 ANALOG PORT. TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED. LAN RACK, FLOOR STANDING. OWNER PROVIDED.
WS-101	CEILING. LITE TOUCH STATION INDICATOR. VACANCY DETECTOR. MOMENTARY DIMMING SWITCH. OCCUPANCY DETECTOR WILL TURN LIGHTS ON TO 50% LEVEL. OCCUPANT CAN MANUALLY RAISE THE LIGHT LEVEL TO 100%. MOMENTARY SWITCH WILL TURN ON LIGHTS AFTER BEING ENABLED BY VACANCY DETECTOR. CABLING COMMUNICATIONS OUTLET, 1 DATA PORT. COMMUNICATIONS OUTLET, 2 DATA PORT. WIRELESS ACCESS POINT OUTLET, 2 DATA PORT. TELEPHONE, WALL MOUNTED: WALL PHONE. COMMUNICATIONS OUTLET, 1 DATA PORT, 1 ANALOG PORT. TELEPHONE, WALL MOUNTED, 1 ANALOG PORT. COMMUNICATIONS OUTLET, 1 ANALOG PORT. TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED. LAN RACK, FLOOR STANDING. OWNER PROVIDED.

DIRECTIONAL COUPLER.

TERMINATOR, 75 OHM (TV DISTRIBUTION).

	CVADO:	SYMBOL LEGEND
_	SYMBOL STRICAL B	DESCRIPTION OWER AND DISTRIBUTION
_	ELECTRICAL P	OWER AND DISTRIBUTION
	\\ \\ \\ \\	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
_		
	+	OTARTER (ONE LINE RIAGRAM)
	5	STARTER (ONE-LINE DIAGRAM).
	\ \frac{1}{1}	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	▼ I MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION
		(ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
	LSIG	CIRCUIT BREAKER SOLID STATE WITH LONG, SHORT, INSTANTANEOUS AND GROUND FAULT TRIP SETTING
	LSI	CIRCUIT BREAKER SOLID STATE WITH LONG, SHORT & INSTANTANEOUS TRIP SETTING.
	GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
-	- GFP	MOTOR.
	F	EXHAUST FAN OUTLET.
-		
		TRANSFORMER (ONE-LINE DIAGRAM).
	3	TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
	-+	BATTERY (ONE-LINE DIAGRAM).
	\rightarrow \vdash	CAPACITOR (ONE-LINE DIAGRAM).
	"1H"	PANELBOARD (ONE-LINE DIAGRAM).
_		
-	225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
-		The tole the offern (one bird will).
-	1005/0	
-)225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	225/3	
	"1H"	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT
		BREAKER (ONE-LINE DIAGRAM).
	60/3	
	225/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE
	"1H" 	PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	25/3 225/3	
_	225/3 "1H" "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
-	225/3	DANIEL DO ADD ANIEL CO- CO-
-	"1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
-		
-		TRANSITION CABINET (ONE-LINE DIAGRAM).
		CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
		TRANSFER SWITCH (ONE-LINE DIAGRAM).
7		
	DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	'	OFFINIOR ENTRANCE OFFICE TO THE TOTAL OF THE
	•••	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	-G>	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
	(G)	GENERATOR, POWER (ONE-LINE DIAGRAM).
	(M)	METER.
	VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
7		DISCONNECT SWITCH, FUSED.
		DISCONNECT SWITCH, UNFUSED.
	■	STARTER, COMBINATION WITH DISCONNECT SWITCH.
		STARTER OR MOTOR CONTROLLER.
	•	PUSHBUTTONS, MOTOR CONTROL.
	•	252555, mo rott continue.
		DISCONNECT, FUSED (ONE-LINE DIAGRAM).
		1

DISCONNECT, NONFUSED (ONE-LINE DIAGRAM)

SYMBOL LEGEND		SYMBOL LEGEND
CRIPTION	SYMBOL	DESCRIPTION
AND DISTRIBUTION	ELECTRICAL PO	OWER AND DISTRIBUTION
	<i></i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DNNECT WITH FUSE AND MOTOR STARTER	DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
BINATION (ONE-LINE DIAGRAM).	LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	\$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	75	TRANSFORMER: NUMBER INDICATES kVA.
TER (ONE-LINE DIAGRAM).	yum,	PANELBOARD CABINET, FLUSH MOUNTED.
	FIRE ALARM	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
JIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).	FSA	FIRE SYSTEM ANNUNCIATOR.
JIT BREAKER, MOLDED CASE WITH SHUNT TRIP LINE DIAGRAM).	FCP FPS	FIRE ALARM CONTROL PANEL, SEMI-RECESSED. FIRE ALARM NOTIFICATION POWER SUPPLY.
JIT BREAKER, MOTOR CIRCUIT PROTECTION LINE DIAGRAM).	С	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.
JIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).	СМ	CONTROL MODULE. MONITOR MODULE.
HIT PREAKER SOUR STATE WITH LONG SHORT	RM	RELAY MODULE.
JIT BREAKER SOLID STATE WITH LONG, SHORT, INTANEOUS AND GROUND FAULT TRIP SETTING	Р	FIRE ALARM MANUAL PULL STATION.
JIT BREAKER SOLID STATE WITH LONG, SHORT & INTANEOUS TRIP SETTING.	R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
JIT BREAKER, SOLID STATE WITH GROUND FAULT	<u>\$</u>	MAGNETIC DOOR HOLDER.
ECTION (ONE-LINE DIAGRAM).	(3)	DETECTOR, SMOKE.
DR.	⊘ BR	DETECTOR, SMOKE, BEAM RECEIVER.
UST FAN OUTLET.	⊘ BT	DETECTOR, SMOKE, BEAM TRANSMITTER.
SFORMER (ONE-LINE DIAGRAM).	() E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
SFORMER, CURRENT (ONE-LINE DIAGRAM).	(5)	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
ERY (ONE-LINE DIAGRAM). CITOR (ONE-LINE DIAGRAM).		DETECTOR, HEAT.
ONON (ONE-LINE BIAGIONNI).	75	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
LBOARD (ONE-LINE DIAGRAM).	□ □ WP 75	ALARM, HORN/SPEAKER, WEATHERPROOF. ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT
		INDICATES CANDELA RATING. ALARM, CHIME/STROBE, ONE ASSEMBLY.
	⊠ G	ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.
LBOARD WITH MAIN LUGS ONLY. BUS SIZE AND E AS SHOWN (ONE-LINE DIAGRAM).	M M	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.
	\displaystyle{\chi}	DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
LBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND E AS SHOWN (ONE-LINE DIAGRAM).	\bigcirc	DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO
		LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
LBOARD WITH MAIN AND SUB FEED CIRCUIT		SMOKE DAMPER.
KER (ONE-LINE DIAGRAM).	∟ SD	
	│ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │	FIRE AND SMOKE DAMPER.
LBOARD WITH MAIN LUGS ONLY AND SURGE	▷ ◎<175	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
ECTION WITH MAIN LOGS ONE! AND SURGE ECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).	75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	⊗ 75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
LBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).	TECHNOLOGY	SYSTEMS TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB
LBOARD WITH CIRCUIT BREAKER AND SUB FEED		EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS. EXAMPLES:
(ONE-LINE DIAGRAM).	x	C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN INSULATED
		L = LINE LEVEL CABLE M = MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM
SITION CABINET (ONE-LINE DIAGRAM).		Z = SPEAKER CABLE, 8 OHM SYSTEM
	S _#	SPEAKER, CEILING MOUNTED.
ABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).	+S _#	SPEAKER, WALL MOUNTED.
	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SPEAKER, 4". SPEAKER, 6".
SFER SWITCH (ONE-LINE DIAGRAM).	\$ ₈	SPEAKER, 8".
or Errown on (one Enve butter out).	\$ ₁₂	SPEAKER, 12".
AL MULTIMETER (ONE-LINE DIAGRAM).	S _B	SPEAKER, BLIND MOUNT.
ICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).	SE	SPEAKER, EXISTING.
RATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).	S _H	HORN.
RATOR, POWER (ONE-LINE DIAGRAM).	S _{HW}	HORN, WEATHER RESISTANT.
R.	S _M	SPEAKER, MASKING. SPEAKER, RECESSED.
ABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).	(S) _S	SPEAKER, SURFACE.
DNNECT SWITCH, FUSED.	HXX	SPEAKER, USER DEFINED.
DNNECT SWITCH, UNFUSED.	\rightarrow	CALL SWITCH, INTERCOM.
TER, COMBINATION WITH DISCONNECT SWITCH.		EQUIPMENT CABINET.
TER OR MOTOR CONTROLLER. BUTTON.	(a)	MEDIA CONNECTION PLATE.

AUDIO/VISUAL OUTLET. HDMI UNLESS OTHERWISE NOTED.

SCREEN, PROJECTION, CEILING MOUNTED.

PROJECTOR, CEILING MOUNTED.

PROVIDE A/V CABLING BETWEEN INPUT AND OUTPUT RECEPTACLES.

SYMBOL	DESCRIPTION
CCTV	
ССТУ	CCTV HEADEND EQUIPMENT.
М	CCTV MONITOR.
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE
PTZ	CCTV CAMERA WITH PAN, TILT AND ZOOM.
360°	PANNING CAMERA TRANSVERSE ANGLE.
SECURITY	
CTR	SECURITY CONTROL PANEL.
SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
CR	CARD READER.
KCR	KEYPAD/CARD READER COMBINATION.
	DOOR SWITCH, BALANCED MAGNETIC CONTROL.
⊚ _{ER}	EXIT REQUEST.
● _{RL}	REMOTE DOOR RELEASE BUTTON.
	BELL.
(IR)	PASSIVE INFRARED SENSOR.
U	ULTRASONIC MOTION DETECTOR.
(P)	PANIC DURESS SWITCH.

ABBREVIATIONS							
	NOTE: ALL ABBREVIATI	ONS MAY N	OT BE USED.				
1P	SINGLE POLE	KV	KILOVOLT				
1PH 1WAY	SINGLE-PHASE ONE-WAY	KVA kVAR	KILOVOLT AMPERE KILOVOLT AMPERE				
2/C	TWO-CONDUCTOR	130/	REACTIVE				
2WAY 3/C	TWO-WAY THREE-CONDUCTOR	kW kWh	KILOWATT KILOWATT HOUR				
3PH	THREE-PHASE	LED	LIGHT EMITTING DIODE				
3WAY 4OUT	THREE-WAY QUADRUPLE RECEPTACLE	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT				
4001	OUTLET	LFNC	LIQUID TIGHT FLEXIBLE				
4PDT 4PST	FOUR-POLE DOUBLE THROW FOUR-POLE SINGLE THROW	LPS	NONMETALLIC CONDUIT LOW PRESSURE SODIUM				
4W	FOUR-WIRE	LRA	LOCKED ROTOR AMPS				
4WAY A	FOUR-WAY ABOVE COUNTER	LTG LV	LIGHTING LOW VOLTAGE				
AC	ARMORED CABLE	MATV	MASTER ANTENNA				
ADA	AMERICANS WITH DISABILITIES ACT	MAX	TELEVISION SYSTEM MAXIMUM				
ADJ	ADJACENT	MC	METAL CLAD				
AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	MCA MCB	MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER				
AFG AIC	AMPERE INTERRUPTING	MCC	MOTOR CONTROL CENTER				
	CAPACITY	MCP	MOTOR CIRCUIT				
ALUM AMP	ALUMINUM AMPERE	MDP	PROTECTION MAIN DISTRIBUTION PANEL				
ANN	ANNUNCIATOR	MG	MOTOR GENERATOR				
AP	ACCESS POINT (WIRELESS DATA)	MH MIN	MANHOLE MINIMUM				
AR	ÀS REQUIRED	MLO	MAIN LUGS ONLY				
ASC ATS	AMPS SHORT CIRCUIT AUTOMATIC TRANSFER	MOCP	MAXIMUM OVERCURRENT PROTECTION				
110	SWITCH	NA	NOT APPLICABLE				
AV	AUDIO VISUAL	NC NEC	NORMALLY CLOSED				
AWG BB XFMR	AMERICAN WIRE GAGE BUCK-BOOST	INEC	NATIONAL ELECTRICAL CODE				
	TRANSFORMER	NEMA	NATIONAL ELECTRICAL				
C CATV	CEILING MOUNTED COMMUNITY ANTENNA		MANUFACTURERS ASSOCIATION				
O/ (1 V	TELEVISION	NFC	NATIONAL FIRE CODE				
CB CCBA	CIRCUIT BREAKER CUSTOM COLOR AS	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION				
CCDA	SELECTED BY ARCHITECT	NIC	NOT IN CONTRACT				
CCTV	CLOSED CIRCUIT	NL NO	NIGHT LIGHT NORMALLY OPEN				
CFBA	TELEVISION CUSTOM FINISH AS	NTS	NOT TO SCALE				
05/01	SELECTED BY ARCHITECT	OC OCP	ON CENTER				
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	OCP	OVER CURRENT PROTECTION				
CF/OI	CONTRACTOR FURNISHED/	OF/CI	OWNER FURNISHED/				
CKT	OWNER INSTALLED CIRCUIT	OF/OI	CONTRACTOR INSTALLED OWNER FURNISHED/				
CM	CONSTRUCTION MANAGER		OWNER INSTALLED				
CND CO	CONDUIT CONVENIENCE OUTLET	OFP OH DR	OBTAIN FROM PLANS OVERHEAD (COILING) DOOR				
COR	CONTRACTING OFFICER'S	OL	OVERLOAD (COILING) BOOK				
OD	REPRESENTATIVE	PB PF	PUSHBUTTON POWER FACTOR				
CP CT	CONTROL PANEL CURRENT TRANSFORMER	PH	PHASE				
CTV	CABLE TELEVISION	PNL	PANEL TRANSFORMER				
CU dBA	COPPER UNIT OF SOUND LEVEL	PT PTZ	POTENTIAL TRANSFORMER PAN/TILT/ZOOM				
DPDT	DOUBLE POLE DOUBLE	QTY	QUANTITY				
DS	THROW DISCONNECT SWITCH	R RCP	REMOVE REFLECTED CEILING PLAN				
EA	EACH	RMC	RIGID METAL CONDUIT				
EM EMT	EMERGENCY	RNC	RIGID NONMETALLIC CONDUIT				
EMT	ELECTRICAL METALLIC TUBING	RPM	REVOLUTIONS PER MINUTE				
ENT	ELECTRICAL NONMETALLIC	RR	REMOVE AND RELOCATE				
EPO	TUBING EMERGENCY POWER OFF	SCA SCBA	SHORT CIRCUIT AMPS STANDARD COLOR AS				
EQUIP	EQUIPMENT		SELECTED BY ARCHITECT				
EX F	EXISTING FURNITURE MOUNTED	SF SFBA	SQUARE FOOT (FEET) STANDARD FINISH AS				
FA	FIRE ALARM		SELECTED BY ARCHITECT				
FCP	FIRE ALARM CONTROL PANEL	SPDT	SINGLE POLE, DOUBLE THROW				
FLA	FULL LOAD AMPS	SPEC	SPECIFICATION				
FMC	FLEXIBLE METALCONDUIT	SPST	SINGLE POLE, SINGLE				
FOB FVNR	FREIGHT ON BOARD FULL VOLTAGE	S/S	THROW START/STOP				
	NON-REVERSING	ST	SINGLE THROW				
FVR G	FULL VOLTAGE REVERSING GROUND	SWBD SWGR	SWITCHBOARD SWITCHGEAR				
GEN	GENERATOR	TL	TWIST LOCK				
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TP TP	TELEPHONE POLE TWISTED PAIR				
GFP	GROUND FAULT	TTB	TELEPHONE TERMINAL				
UD	PROTECTION	TV	BOARD TELEVISION				
HD HID	HEAVY DUTY HIGH INTENSITY DISCHARGE	TVSS	TRANSIENT VOLTAGE				
HOA	HAND-OFF-AUTOMATIC		SURGE SUPPRESSER				
HP HPF	HORSE POWER HIGH POWER FACTOR	TYP UF	TYPICAL UNDERFLOOR				
HPS	HIGH PRESSURE SODIUM	UGND	UNDERGROUND				
HV HZ	HIGH VOLTAGE HERTZ	UPS	UNINTERRUPTIBLE POWER SUPPLY				
HZ IG	ISOLATED GROUND	V	VOLTS				
IMC	INTERMEDIATE METAL	VA	VOLT AMPERE				
IN/IS	CONDUIT INSULATED/ISOLATED	VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER				
I/O	INPUT/OUTPUT	W/	WITH				
IR	INFRARED JUNCTION BOX	W/O WP	WITHOUT WEATHERPROOF				
J-BOX							

)	GI	ENERAL ELECTRICAL NOTES
SEE SCHEDULE.	1.	CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
	2.	OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
		A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
		B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS
E SCHEDULE.		WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
		C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
	3.	EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT

SUBCONTRACTOR, AND VOLUME ON THE BINDING. PREPARE TABS FOR EACH SPECIFICATION SECTION REQUIRING SUBMITTALS. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB. 5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER. ELECTRICAL SHEET INDEX EE001 SYMBOL SCHEDULE, SHEET INDEX EP101 PCH AUDIOLOGY ELECTRICAL PLANS - LEVEL 3 EP501 DETAILS EP502 DETAILS EP503 DETAILS ET601 TELECOM DETAILS EC601 SYSTEMS DIAGRAMS & DETAILS EC602 SYSTEMS DIAGRAMS & DETAILS



REVISION NO. DESCRIPTION DATE

PROJECT NUMBERS

HKS: 22506.000

12/07/18 ISSUE CONSTRUCTION **DOCUMENTS** SYMBOL SCHEDULE, **SHEET INDEX**

EE001

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- **ARCHITECT**

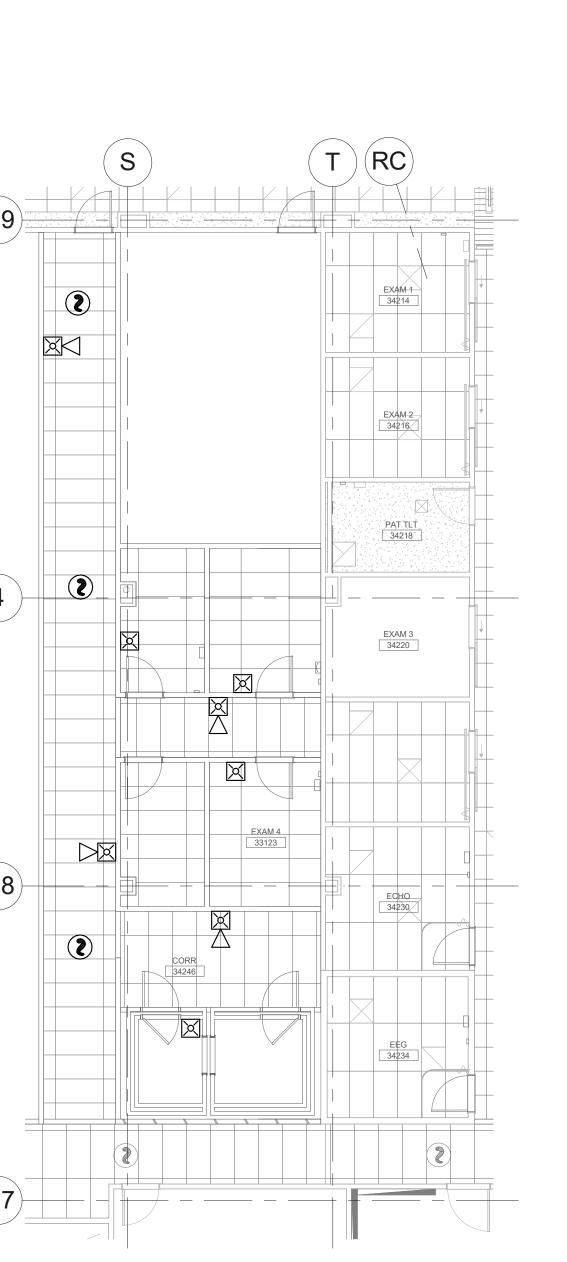
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90 SOUTH 400 WEST, SUITE 110

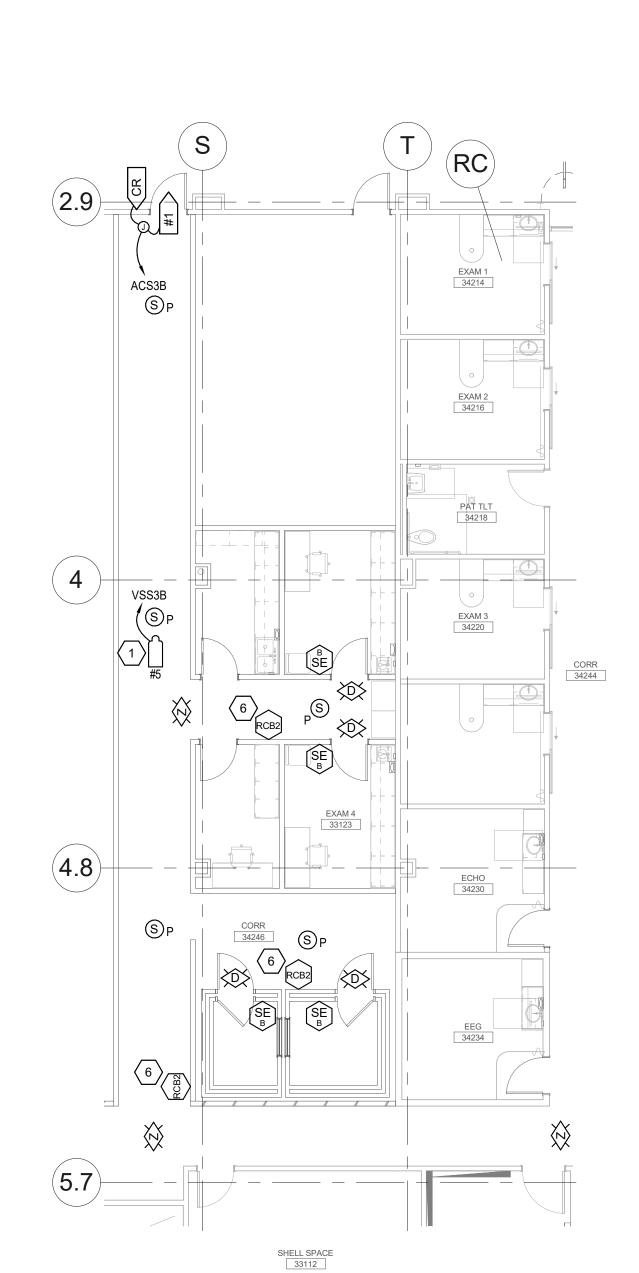
SALT LAKE CITY, UTAH 84101

INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111

OWNER

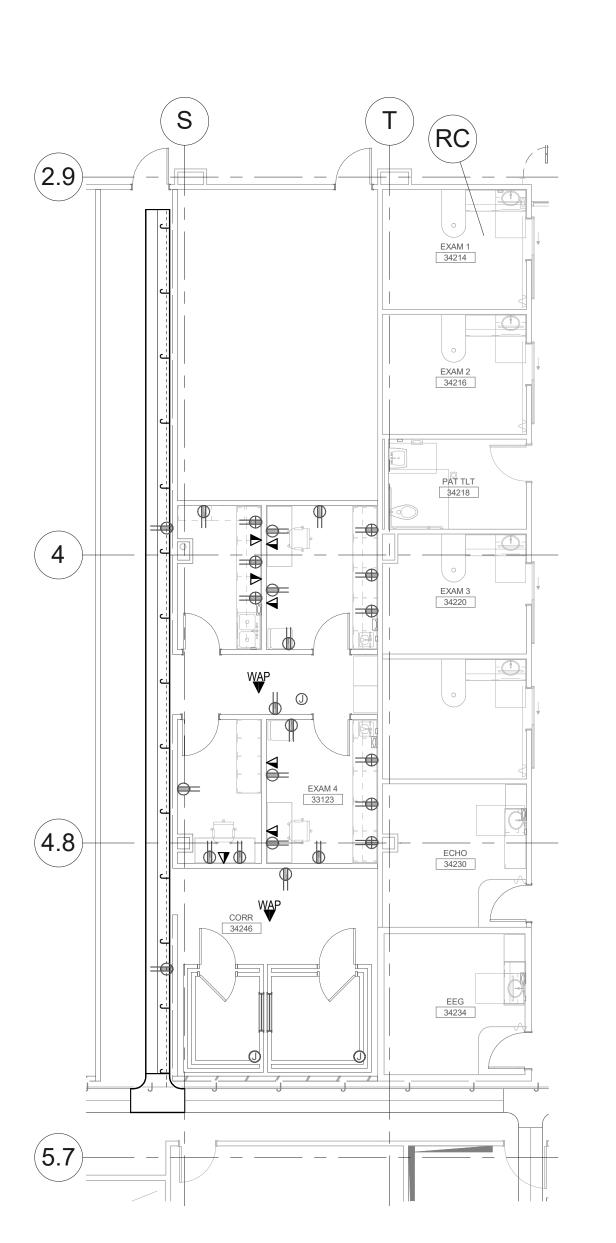




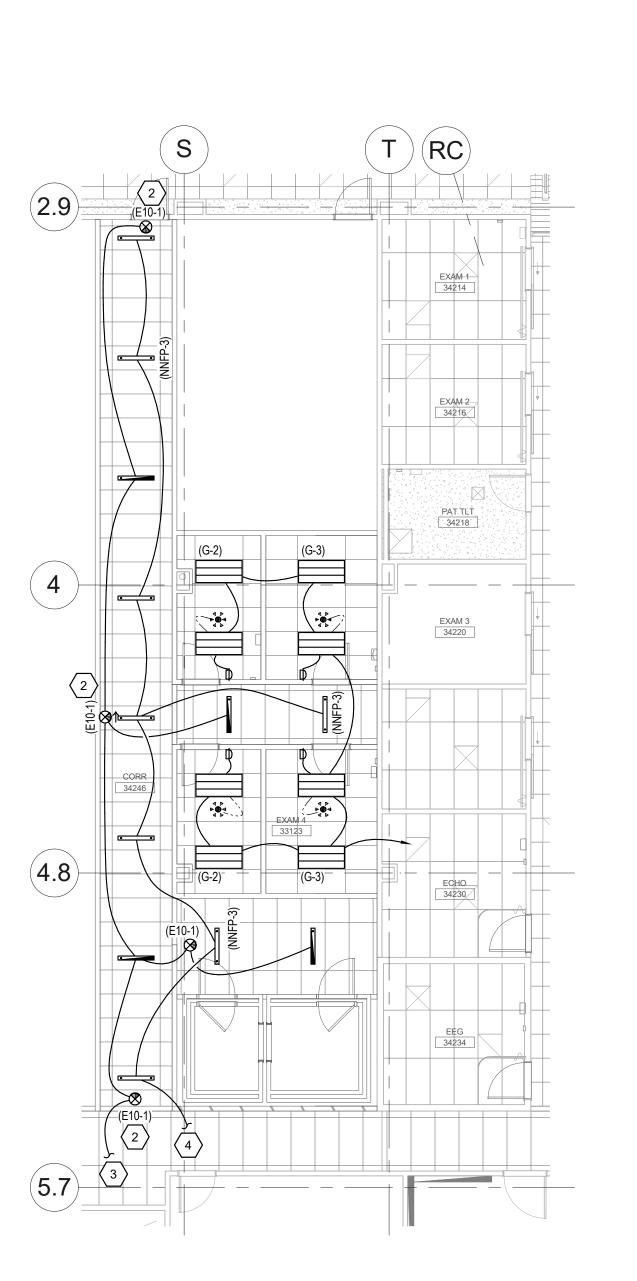


PCH AUDIOLOGY SYSTEMS PLAN -LEVEL 3

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

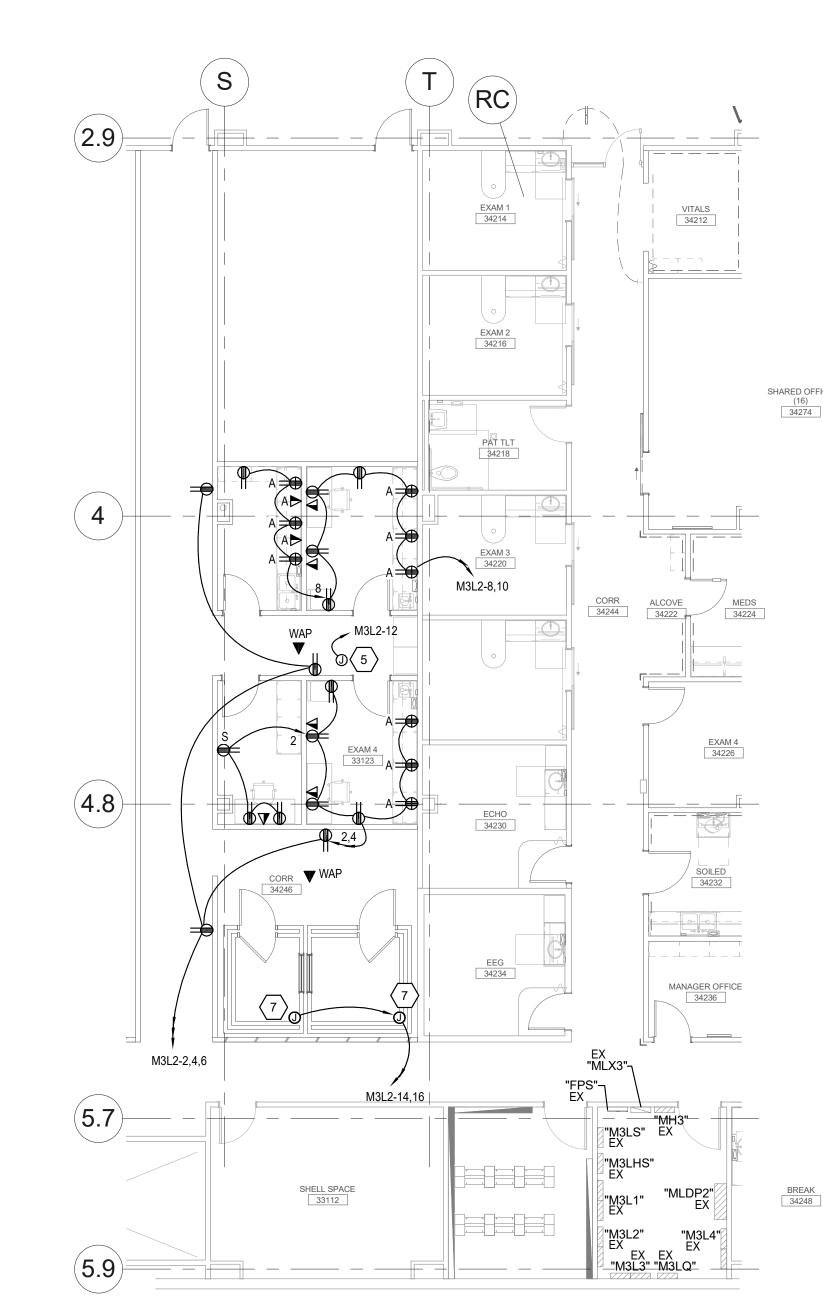


PCH AUDIOLOGY TELECOM PLAN -3 LEVEL 3
SCALE: 1/8" = 1'-0"

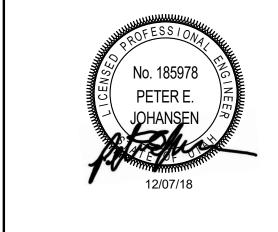


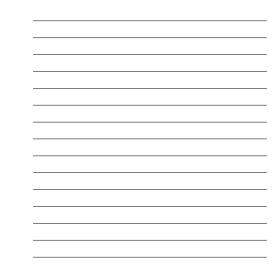
PCH AUDIOLOGY LIGHTING PLAN -2 LEVEL 3

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



PCH AUDIOLOGY POWER PLAN -1 LEVEL 3
SCALE: 1/8" = 1'-0"





PROJECT NUMBERS **HKS: 22506.000**

12/07/18 CONSTRUCTION DOCUMENTS SHEET TITLE **PCH AUDIOLOGY ELECTRICAL PLANS -**

SHEET NO.

LEVEL 3

EP101



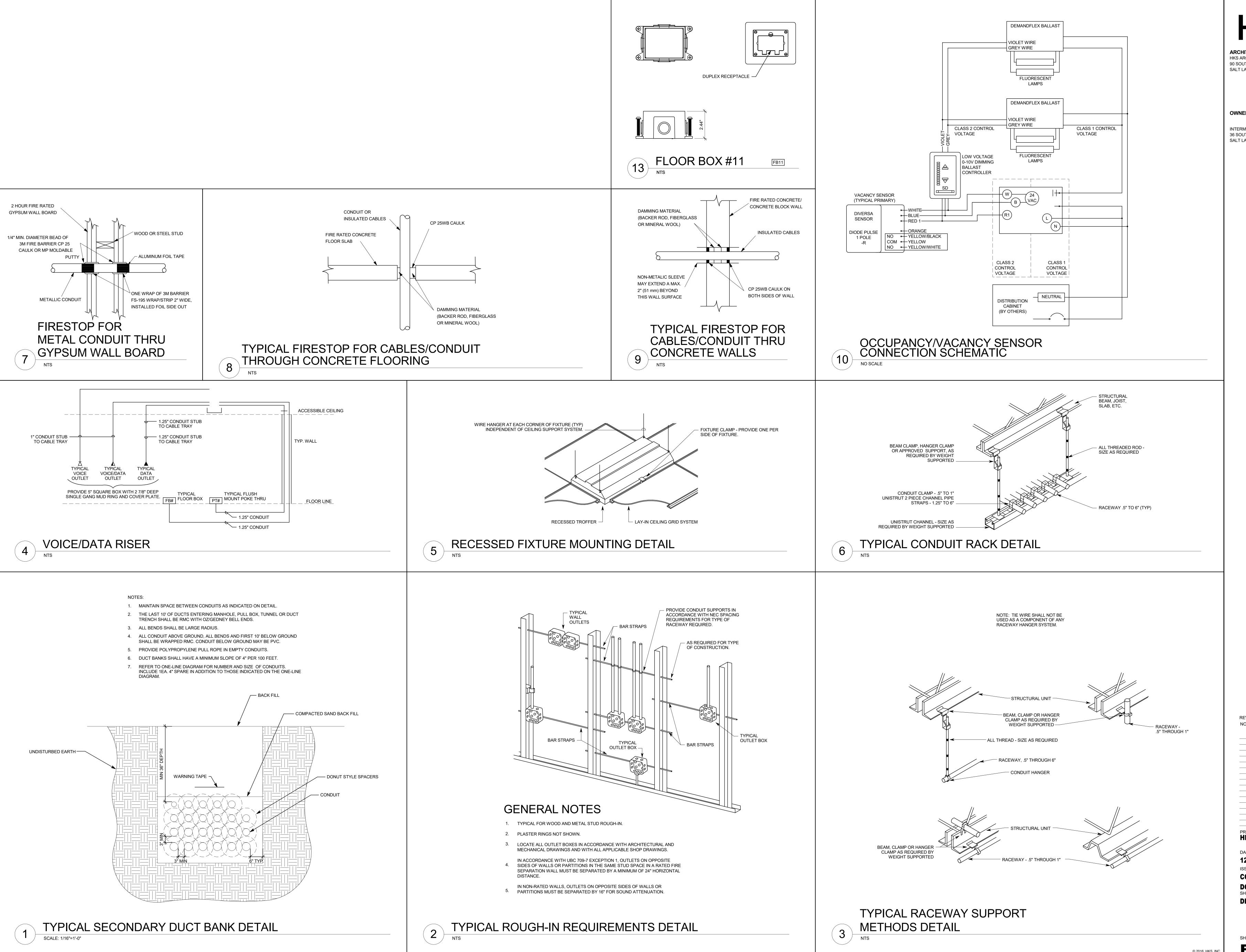
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PROJECT NUMBERS

HKS: 22506.000

ISSUE CONSTRUCTION **DOCUMENTS** SHEET TITLE **DETAILS**

EP501



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12/07/18 ISSUE CONSTRUCTION **DOCUMENTS** SHEET TITLE **DETAILS**

EP502

NOTE: PROVIDE ANGLE MEMBERS AS DETERMINED BY A STRUCTURAL ENGINEER PER SPECIFICATION SECTION 16071.

TYPICAL CONDUIT RACK BRACING

1/2" DIÀ. THREADED ROD

ADHESIVE

COMPRESSED AIR.

RECOMMENDATIONS.

1. BLOW ALL HOLES CLEAN W/OIL FREE

LIGHT WEIGHT

CONCRETE ANCHORAGE

EXISTING RETROFIT: L3"X3"X1/4"X3" LONG

W/ 1/2" DIA. HILTI KWIK

BOLT II INSTALLED IN

INSTALLATION IN LIGHT

NORMAL WT. CONC.,

SEE DETAIL 2/A FOR

WT. CONC.

2. FOLLOW ALL MANUFACTURES

DRILLED AND -SET IN HILTI HY150

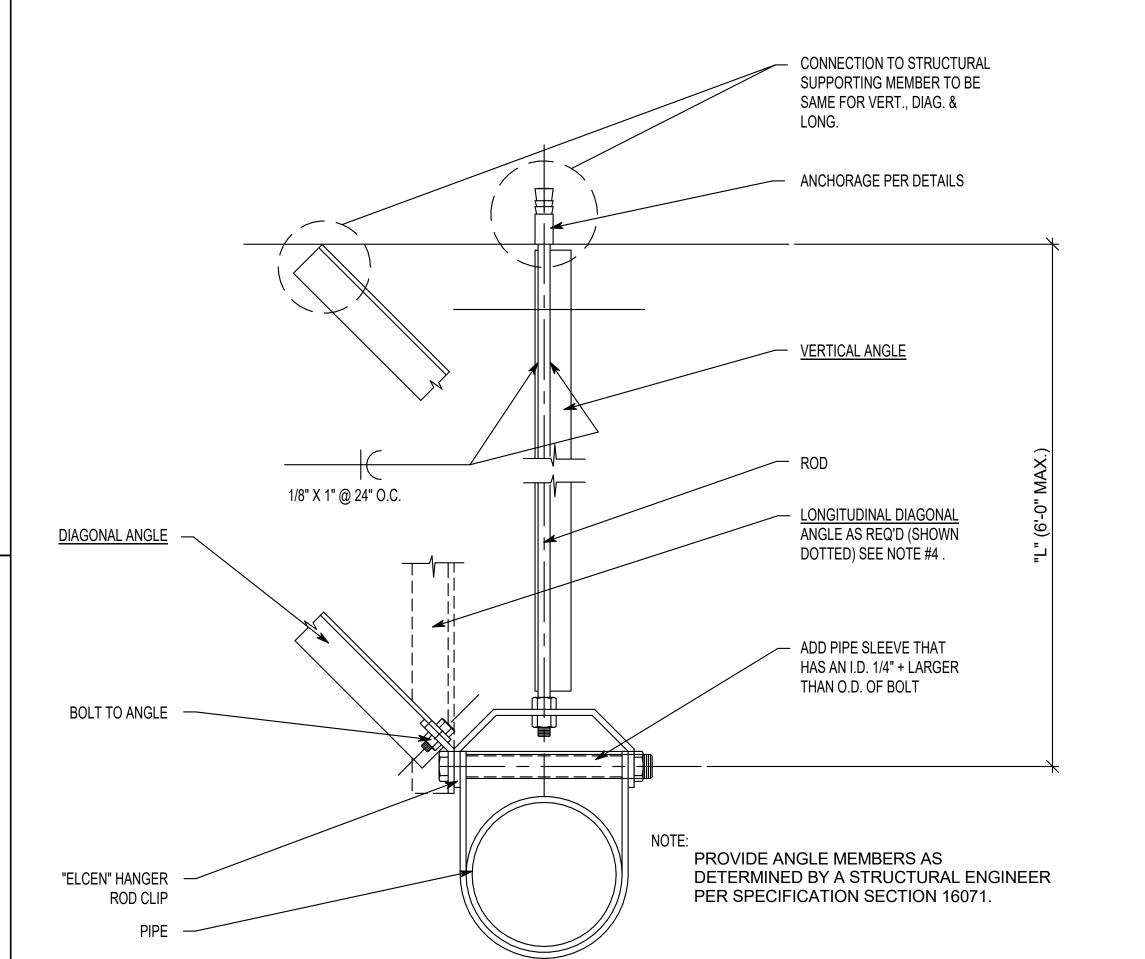
OPTION 1

1/2" DIA. HILTI

ADHESIVE

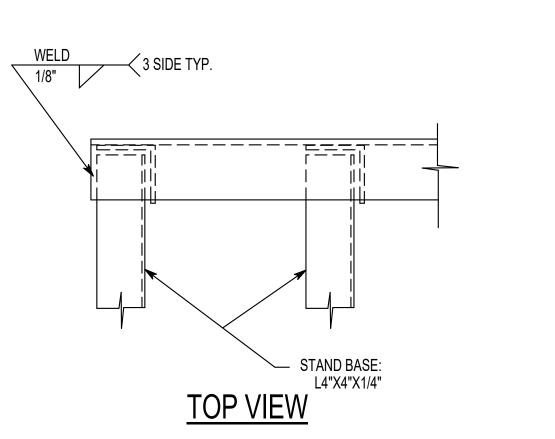
INTERNALLY THREADED
INSERT DRILLED AND
SET IN HILTI HY150

OPTION 2



TYPICAL SINGLE CONDUIT BRACING

STAND BASE: L4"X4"X1/4" CONCRETE FLOOR ANCHOR ANGLES: L3"X3"X1/4"X3" LONG W/(1) 1/2"X7" HILTI -SIDE VIEW STAND BASE: KWÌK BOLT II, PER CONCRETE ANCHORAGE DETAIL L4"X4"X1/4"



BASE STAND TYPICAL SINGLE CONDUIT BRACING

NEW INSTALLATION: 1/2" DIA. HILTI KWIK

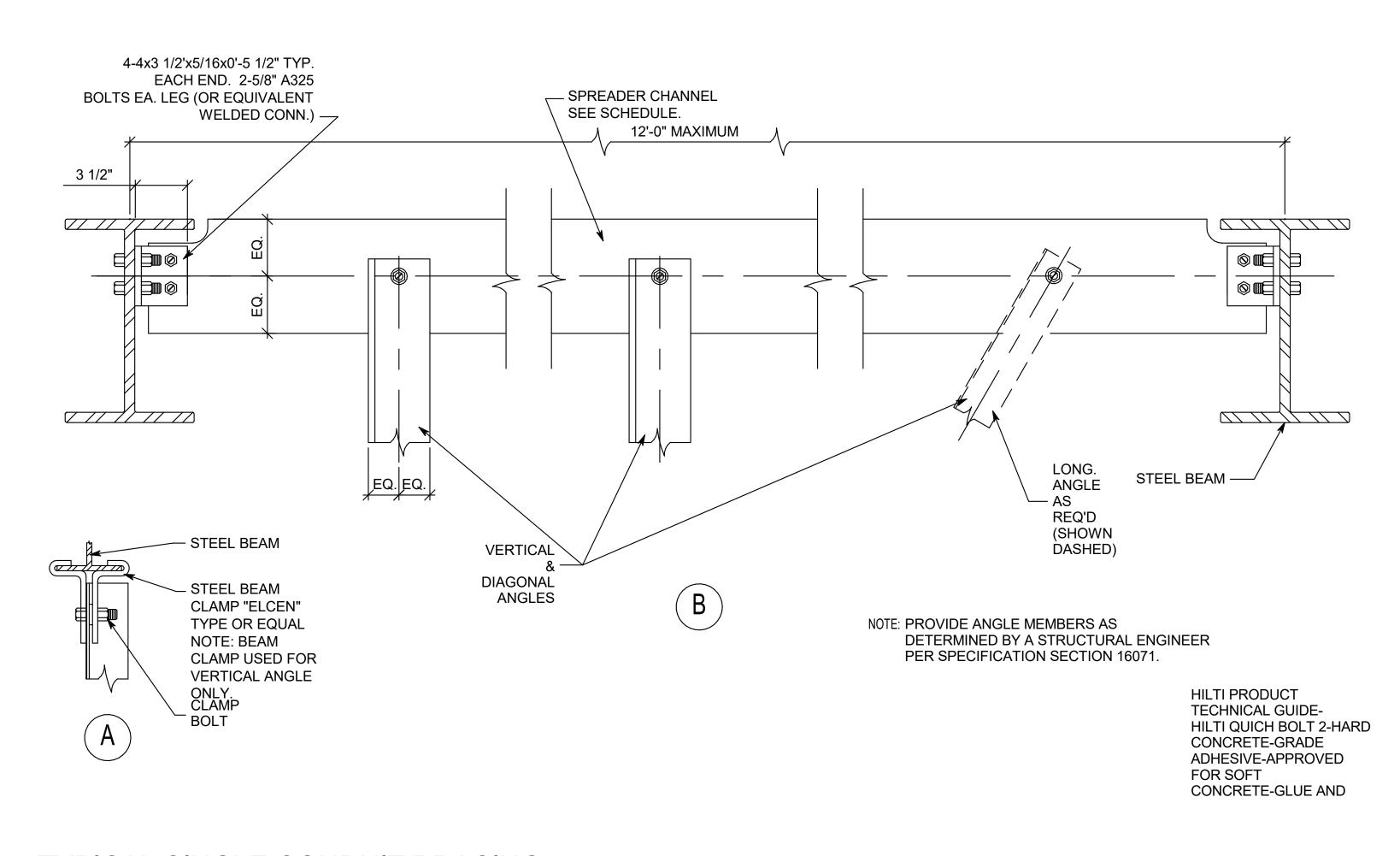
BOLT II INSTALLED IN

NORMAL WT. CONC.,

SEE DETAIL 2/A FOR INSTALLATION IN LIGHT

NORMAL WEIGHT CONCRETE ANCHORAGE

WT. CONC.



SEISMIC BRACING GENERAL NOTES

- 1. BRACE ALL CONDUIT WITH 2 1/2" I.D. AND LARGER, AND ALL BUSWAY, CABLE TRAY AND CONDUIT RACKS.
- 2. DETAILS SHOWN PROVIDE A LATERAL BRACING SYSTEM. A TYPICAL VERTICAL SUPPORT SYSTEM MUST ALSO BE USED. HOWEVER, WHERE BRACE OCCURS THE VERTICAL ANGLE SHOWN MAY REPLACE A TYPICAL VERTICAL SUPPORT.
- 3. TRANSVERSE BRACING AT 30'-0" O.C. MAX.
- 4. LONGITUDINAL BRACINGS AT 60'-0" O.C. MAX.
- 5. TRANSVERSE BRACING FOR ONE CONDUIT OR BUSWAY SECTION MAY ALSO ACT AS LONGITUDINAL BRACING FOR THE CONDUIT OR BUSWAY SECTION CONNECTED PERPENDICULAR TO IT, IF THE BRACING IS INSTALLED WITHIN 24" OF THE ELBOW OR TEE AND SIMILAR SIZE.
- 6. DO NOT USE BRANCH LINES TO BRACE MAIN LINES.
- PROVIDE FLEXIBILITY IN JOINTS WHERE PIPES PASS THROUGH BUILDING SEISMIC OR EXPANSION JOINTS, OR WHERE RIGIDLY SUPPORTED PIPES CONNECT TO EQUIPMENT WITH VIBRATION ISOLATORS.
- 8. AT VERTICAL CONDUIT AND BUSWAY RISERS, WHEREVER POSSIBLE, SUPPORT OF WEIGHT OF THE RISER AT A POINT OR POINTS ABOVE THE CENTER OF GRAVITY OF THE RISER. PROVIDE LATERAL GUIDES AT THE TOP AND BOTTOM OF THE RISER, AND AT INTERMEDIATE POINTS NOT TO EXCEED 30'-0" ON CENTER.
- 9. PROVIDE LARGE ENOUGH CONDUIT SLEEVES THROUGH WALLS OR FLOORS TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENTS.
- 10. DO NOT FASTEN ONE RIGID CONDUIT OR BUSWAY SYSTEM TO TWO DISSIMILAR PARTS OF A BUILDING THAT MAY RESPOND IN A DIFFERENT MODE DURING AN EARTHQUAKE: FOR EXAMPLE, A WALL AND A ROOF.
- 11. REFER TO SPECIFICATIONS AND MANUFACTURER'S LITERATURE FOR ADDITIONAL REQUIREMENTS.

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OWNER

INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111

VIC 2018



REVISION NO. DESCRIPTION DATE

PROJECT NUMBERS HKS: 22506.000

12/07/18 ISSUE CONSTRUCTION **DOCUMENTS** SHEET TITLE **DETAILS**

SHEET NO. **EP503**

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SINGLE GANG FACEPLATE

LABEL, STATION NUMBER (EXAMPLE ONLY)

- CAT 6A, RJ-45 INSERT, BLUE, TYP (MOUNT IN ANGLED POSITION IN FACEPLATE)

BLANK INSERT,

TYPICAL 2-PORT DATA OUTLET

NO SCALE

CAT 6A JACKS, TYPICAL

REVISION

NO. DESCRIPTION DATE

PROJECT NUMBERS

PROJECT NUMBERS **HKS: 22506.000**

12/07/18
ISSUE
CONSTRUCTION
DOCUMENTS
SHEET TITLE
TELECOM DETAILS

SHEET NO.

ET601

STATION PATCH PANEL, (SPP1), TDR

NO SCALE

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CAT 6A, RJ-45 INSERT, YELLOW, TYP

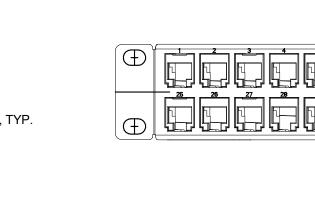
SURFACE MOUNT BOX

(2) CAT 6 CABLES, TYP.
(SUPPORT BY J-HOOKS)

SURFACE MOUNTED 2
POSITION BOX WITH 2 CAT 6
JACKS, TYP.

(2) CAT 6 PATCH CORDS, TYP.

GROMMET



TYPICAL 'WAP' DATA OUTLET

NO SCALE

LABEL, STATION -NUMBER (EXAMPLE ONLY)



DROP CEILING MOUNT

C:\Users\jrw\Documents\2018067\ PLOT DATE:

AUDIO-VIDEO SYSTEM EQUIPMENT LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	DESCRIPTION	QTY	ACCEPTABLE TYPE
TP	TOUCH PANEL, WALL MOUNTED, 5" DISPLAY	OFP	CRESTRON TSW-552
DMPS	DIGITAL PRESENTATION SYSTEM	OFP	DMPS3-300-C
	TWISTED PAIR DIGITAL VIDEO RECEIVER, HDMI OUT, 8G+	OFP	CRESTRON DM-4K-100C
DTX	HDMI AND XGA TWISTED PAIR TRANSMITTER, 8G+	OFP	CRESTRON DM-TX-201-C
CP1	CONNECTION PANEL #1, WALL MOUNTED (TRANSMITTER)	OFP	CRESTRON DM-TX-200-C-2G
CP2	CONNECTION PANEL #2, WALL MOUNTED OR AS NOTED (RECEIVER)	OFP	CRESTRON DM-RMC-4K-100-C-1G
HDMI SW	HDMI DISTRIBUTION AMPLIFIER W/ AUDIO CONVERSION	OFP	CRESTRON
HDMI D/A	HDMI DISTRIBUTION AMPLIFIER , 1 x 2	OFP	CRESTRON HD-DA-2
M	MICROPHONE INPUT, 3 PIN, XLR	OFP	SWITCHCRAFT
AMP	70V POWER AMPLIFIER	OFP	ATLAS SOUND AA50 PHD
IR	PARTITION SENSOR	OFP	CRESTRON GLS-PART-CN
MON	LARGE VIDEO DISPLAY	OFP	NEC V801 (80")
<u>S</u>	SPEAKER, 8", CEILING MOUNTED W/ GRILLE	OFP	ATLAS SOUND FAP82T
AV	EQUIPMENT RACK #1, FLOOR MOUNTED, 46RU, 28" DEEP, PIVOTING, REAR RACK RAILS.	OFP	MIDDLE ATLANTIC ERK-2128

NOTES

1. PROVIDE RACEWAY AND EQUIPMENT AS INDICATED FOR CARD ACCESS DOOR TYPE INDICATED. REFER TO SECTION 281300 AND CARD ACCESS LOCK CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.

- 2. PROVIDE CONCEALED .75" C TYPICAL FOR LINES SHOWN TO DEVICE BOXES ON PROTECTED SIDE AND UNPROTECTED SIDE ELEVATIONS.
- 3. CONFIRM CORRECT CARD ACCESS DOOR RACEWAY, LOCK VOLTAGE, AND EXIT SWITCH CURRENT RATING (2 AMPS MIN.) WITH DIV. 8 FURNISHED CARD ACCESS DOOR HARDWARE PER DIV. 8 DOOR HARDWARE SPECIFICATIONS. 4. LOCATE CARD READER BOX AS INDICATED ON FLOOR PLANS. RACEWAY
- AND BOXES BY DIV. 26. REFER TO 281300 FOR CARD ACCESS SYSTEM REQUIREMENTS. 5. DOUBLE 4SQ J-BOX ON PROTECTED SIDE OF DOORWAY (SIDE OPPOSITE OF

LOCATION. PROVIDE COVER FOR J-BOX.

6. ELECTRIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, POWER TRANSFER HINGES, ETC.) BY DIV 8. REVIEW DOOR HARDWARE FURNISHED AND VERIFY LOCK VOLTAGES AND OPERATIONAL FUNCTIONALITY OF LOCKS. CONTACT ENGINEER WITH QUESTIONS OR CONCERNS.

CARD READER) ABOVE ACCESSIBLE CEILING OR IN OTHER ACCESSIBLE

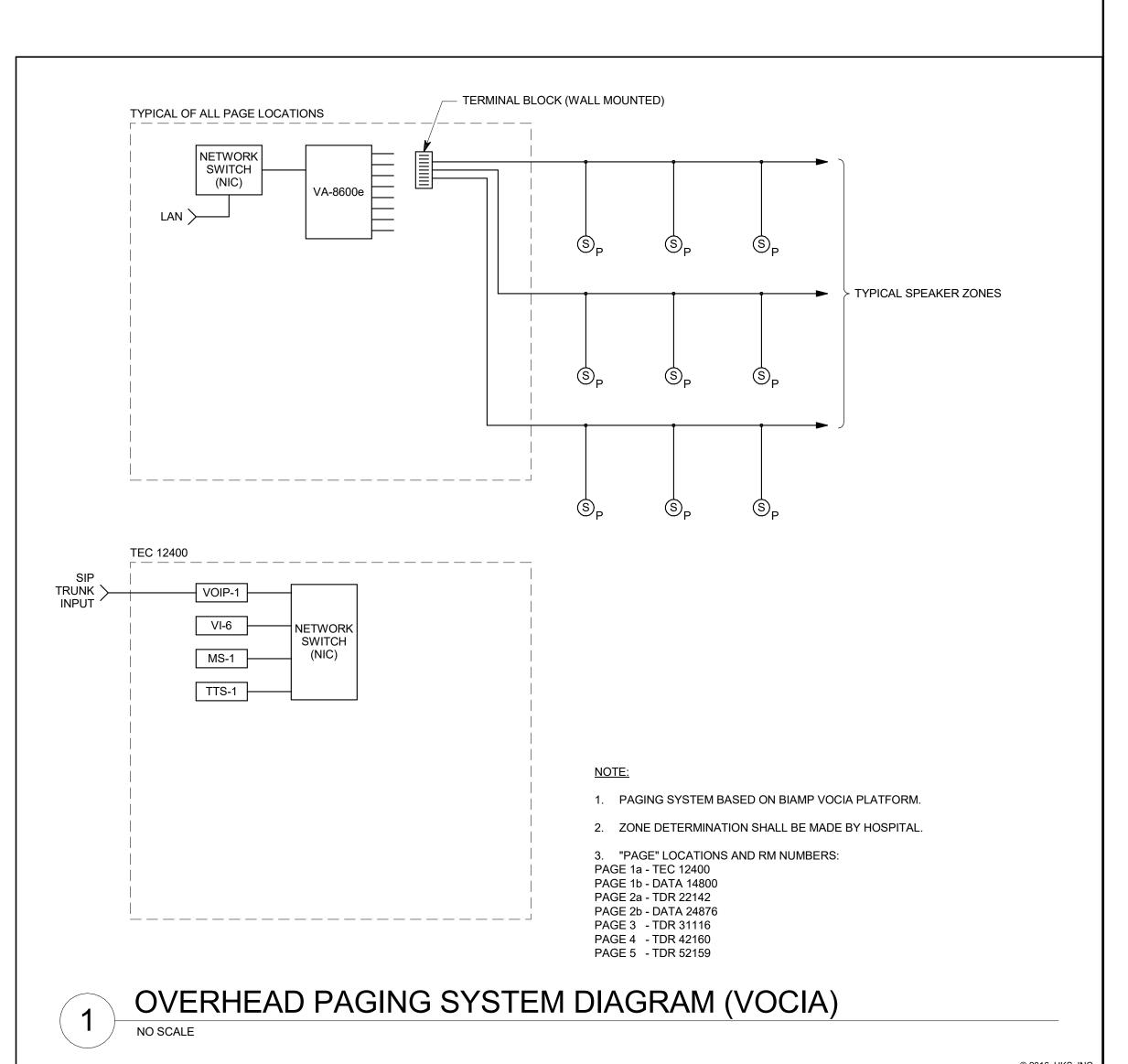
ABBREVIATIONS

DBL = DOUBLE DIR = DIRECTION HDWR = HARDWARE C = CONDUIT 4SQ = FOUR SQUARE W/ = WITH1G = 1 GANG PWR = POWER ACC = ACCESSIBLE OCC = OCCUPANCY TYP = TYPICAL L/PS = LOCK POWER SUPPLY CR = CARD READER CI = DOOR CONTACT INDICATOR EPT = ELECTRIC POWER TRANSFER ES = ELECTRIC STRIKE ED = EXIT DEVICE ML = ELECTROMAGNETIC LOCK KS = KEY SWITCH EL = ELECTRIC LOCKSET MD = MOTION DETECTOR ADA = AUTO DOOR OPENER REX = REQUEST TO EXIT

ACS = ACCESS CONTROL SYSTEM TLC = TIME/SYSTEM LOCK CONTROL ELC = EMERGENCY LOCK CONTROL IDS = INTRUSION DETECTION SYSTEM FA = FIRE ALARM SYSTEM OFP = OBTAIN FROM PLANS A/R = AS REQUIRED EED = ELECTRIC EXIT DEVICE AEL = ACCESS ELECTRIC LOCKSET AED = ACCESS ELECTRIC EXIT DEVICE FH = FRAME HARNESS DH = DOOR HARNESS EH = ELECTRIC HINGE PB = PUSH BUTTON RELEASE PP = PUSH PAD ACTUATOR EDL = ELECTRIC DEADLATCH EED = ELECTRIC EXIT DEVICE PEL = NETWORK MORTISE LOCK (POE)

			CARD A	CCESS DOOR 1	YPE SCHEDULE			
DOOR TYPE#	SYMBOL	DESCRIPTION	PROTECTED SIDE ELEVATION	N	UNPROTECTED SIDE ELEVATION		LOCK TYPE(S)	DIVISION OF WORK AND COMMENTS
TYPE 1	ØR #1	SINGLE DOOR, WIRELESS CARD READER (FREE EGRESS) *HARDWARE BY 281300	WIRELESS — ELECTRIC LOCKSET			CARD READER IN DOOR HARDWARE	WIRELESS MORTISE LOCKSET	SECURITY CONTRACTOR PROVIDES: WEL HARDWARE CONTRACTOR PROVIDES: NONE LOCK CONTROLLED BY: CR
	HARDWARE SETS: 1.W R2, 3.W R2							
TYPE 2	PARDWARE SETS:	SINGLE DOOR, WIRELESS CARD READER (FREE EGRESS) EM CLOSER WITH MOTION DETECTOR *HARDWARE BY 281300	4SQ J-BOX ABOVE ACC CEILING EM CLOSER 1G BOX IN FRAME WIRELESS ELECTRIC LOCKSET	.75" C (TYP)		CARD READER IN DOOR HARDWARE	WIRELESS MORTISE LOCKSET	SECURITY CONTRACTOR PROVIDES: WEL HARDWARE CONTRACTOR PROVIDES: EM CLOSER LOCK CONTROLLED BY: CR
TYPE 3	5.W R2, 6.W R2 ► TO ACS	SINGLE DOOR, 1 CARD					ELECTRIC	SECURITY CONTRACTOR PROVIDES:
	#3 HARDWARE SETS:	READER, (FREE EGRESS)	4SQ J-BOX ABOVE ACC CEILING ELECTRIC LOCKSET	FRAME HARNESS IN .75" C ELECTRIC POWER TRANSFER 1G BOX IN FRAME DOOR HARNESS IN DOOR	4SQ J-BOX ABOVE ACC CEILING	— .75" C (TYP) CARD READER 4SQ BOX W/ 1G RING	LOCKSET	 CR, L/PS, FH, DH HARDWARE CONTRACTOR PROVIDES: EL, EPT LOCK CONTROLLED BY: CR
TYPE 4	7.0, 8.0	SINGLE DOOR, 1 CARD READER		AUTO OPENER			ELECTRIC EXIT	SECURITY CONTRACTOR PROVIDES:
	HARDWARE SET: 1.0	WITH AUTO OPENER CONTINUOUS HINGE POWER TRANSFER	4SQ J-BOX ABOVE ACC CEILING ELECTRIC EXIT DEVICE	FRAME HARNESS IN .75" C ELECTRIC POWER HINGE 1G BOX IN FRAME DOOR HARNESS IN DOOR	4SQ J-BOX ABOVE ACC CEILING	— .75" C (TYP) — CARD READER 4SQ BOX W/ 1G RING	DEVICE WITH AUTO OPENER	 CR, FH, DH, L/PS <u>HARDWARE CONTRACTOR PROVIDES:</u> EED, EH, ADA LOCK CONTROLLED BY: CR
TYPE 5	TO ACS	DOUBLE DOOR, 1 CARD READER (1 FIXED LEAF WITH AUTO OPENER)	4SQ J-BOX ABOVE ACC CEILING FRAME HARNESS IN .75" C (TYP) ELECTRIC STRIKE (E	DOOR HARNESS IN DOOR POWER HINGE 1G BOX IN FRAME GRESS SIDE) FIXED LEAF	4SQ J-BOX ABOVE ACC CEILING	75" C (TYP) CARD READER 4SQ BOX W/ 1G RING	ELECTRIC STRIKE	SECURITY CONTRACTOR PROVIDES: CR, L/PS, FH, DH HARDWARE CONTRACTOR PROVIDES: ES, EH LOCK CONTROLLED BY: CR
	HARDWARE SET: 2.0							
TYPE 6	TO ACS OR #6	SINGLE DOOR, NETWORK CARD READER (FREE EGRESS) FRAME POWER TRANSFER OR CONTINUOUS HINGE *HARDWARE BY 281300	4SQ J-BOX ABOVE ACC CEILING ELECTRIC LOCKSET	FRAME HARNESS IN .75" C ELECTRIC POWER TRANSFER 1G BOX IN FRAME		CARD READER IN DOOR HARDWARE	ACCESS MORTISE LOCKSET	SECURITY CONTRACTOR PROVIDES: • AEL, FH, DH, L/PS HARDWARE CONTRACTOR PROVIDES: • EPT LOCK CONTROLLED BY: • CR
	HARDWARE SETS: 3, 4			DOOR HARNESS IN DOOR				

			NURSE CALL SYMBOL LIST						
SYMBOL	MANUF.	PART#	DESCRIPTION	BACKBOX	BOX MOUNTING HEIGH				
NCM	HILL-ROM	P2500NNC1B00	STAFF CONSOLE, DESK MOUNT	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
NCM	HILL-ROM	P2594NNC3A00	STAFF CONSOLE, WALL MOUNT	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
GA	HILL-ROM	P2594NNC3B00	GRAPHICAL ANNUNCIATOR	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
BC	HILL-ROM	P2505NNC1B00	AUDIO STATION BED CONNECTOR (ASBC)	GARVIN 52181-3/4, WITH GARVIN 52C13 RING, OR ANY OTHER 4" SQUARE 3.5" DEEP BACK BOX WITH SINGLE GANG MUD RING.	REFER TO ELEVATION DRAWINGS				
EQ	HILL-ROM	P2516A01	EQUIPMENT RECEPTACLE, WITH CALL CORD	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
	HILL-ROM	P2506NNC1B00	DOME LIGHT, SINGLE LED	RACO 231, WITH RACO 778 RING, OR ANY OTHER 4" SQUARE 2 1/8" DEEP BACK BOX.	REFER TO ELEVATION DRAWINGS				
※	HILL-ROM	P2506NNC8A00-D	ICON BASED-LIGHT LED DOME LIGHT	STEEL CITY CYLE-3/4, RACO 591, OR ANY OTHER 3.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
\(\sigma\)	HILL-ROM	P2506NNC8A00-7	ICON BASED-LIGHT LED ZONE LIGHT	STEEL CITY CYLE-3/4, RACO 591, OR ANY OTHER 3.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
POE-24	HILL-ROM	P2519NNC1A24	POE SWITCH		REFER TO ELEVATION DRAWINGS				
©B ⊕	HILL-ROM	P2520A07	CODE BLUE PUSH BUTTON SWITCH	RACO 561 BACK BOX,	REFER TO ELEVATION				
(P)	HILL-ROM	P2520A07	CODE PINK PUSH BUTTON SWITCH	RACO 561 BACK BOX,	REFER TO ELEVATION				
	HILL-ROM	P2520A07	PUSH FOR ASSISTANCE PUSH BUTTON SWITCH	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
	HILL-ROM	P2520A08	STAFF EMERGENCY PUSH BUTTON SWITCH	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
Ē	HILL-ROM	P2520B01	BATH SWITCH, W/CANCEL, SUPERVISED	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
(Es)	HILL-ROM	P2520B02	BATH SWITCH, W/O CANCEL, SUPERVISED	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
UPS, APC	HILL-ROM	P2521B02	UPS, RACK MOUNTABLE, 2U - NON-SEISMIC		REFER TO ELEVATION DRAWINGS				
(CB)	HILL-ROM	P2594NNC1B01	STAFF STATION - STANDARD ROOM STATION W/ CODE	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
ŚR	HILL-ROM	P2594NNC1B01	STAFF STATION - STANDARD ROOM STATION W/O CODE	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
G R	HILL-ROM	P2594NNC2C00	GRAPHICAL ROOM STATION (GRS) - STAFF	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
(GR	HILL-ROM	P2594NNC2C11	GRAPHICAL ROOM STATION (GRS) - PATIENT	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
RAD	HILL-ROM	P2594NNC4A10	REMOTE AUDIO DEVICE	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
RCB2	HILL-ROM	P2599NNC2A00	RCB2 ROOM CONTROL BOARD	STEEL CITY GW-235G, RACO 696 OR ANY OTHER 3.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
Staff	HILL-ROM	RTLS-CLOSED	RTLS - STAFF LOCATING LOCATION-CLOSED AREA	STEEL CITY GW-225G, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
OPEN Staff	HILL-ROM	RTLS-OPEN	RTLS - STAFF LOCATING LOCATION-GLASS/OPEN AREA	STEEL CITY GW-225G, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
Staff	HILL-ROM	RTLS-BAY	RTLS - STAFF LOCATING LOCATION-BAY	STEEL CITY GW-225G, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS				
	HILL-ROM		PILLOW SPEAKEKER, REQUIRES ASBC.						
				STEEL CITY GW-225C, RACO 691	REFER TO ELEVATION				



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OWNER

INTERMOUNTAIN HEALTHCARE 36 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111



REVISION NO. DESCRIPTION DATE

PROJECT NUMBERS **HKS: 22506.000**

12/07/18 CONSTRUCTION **DOCUMENTS** SYSTEMS DIAGRAMS &

DETAILS

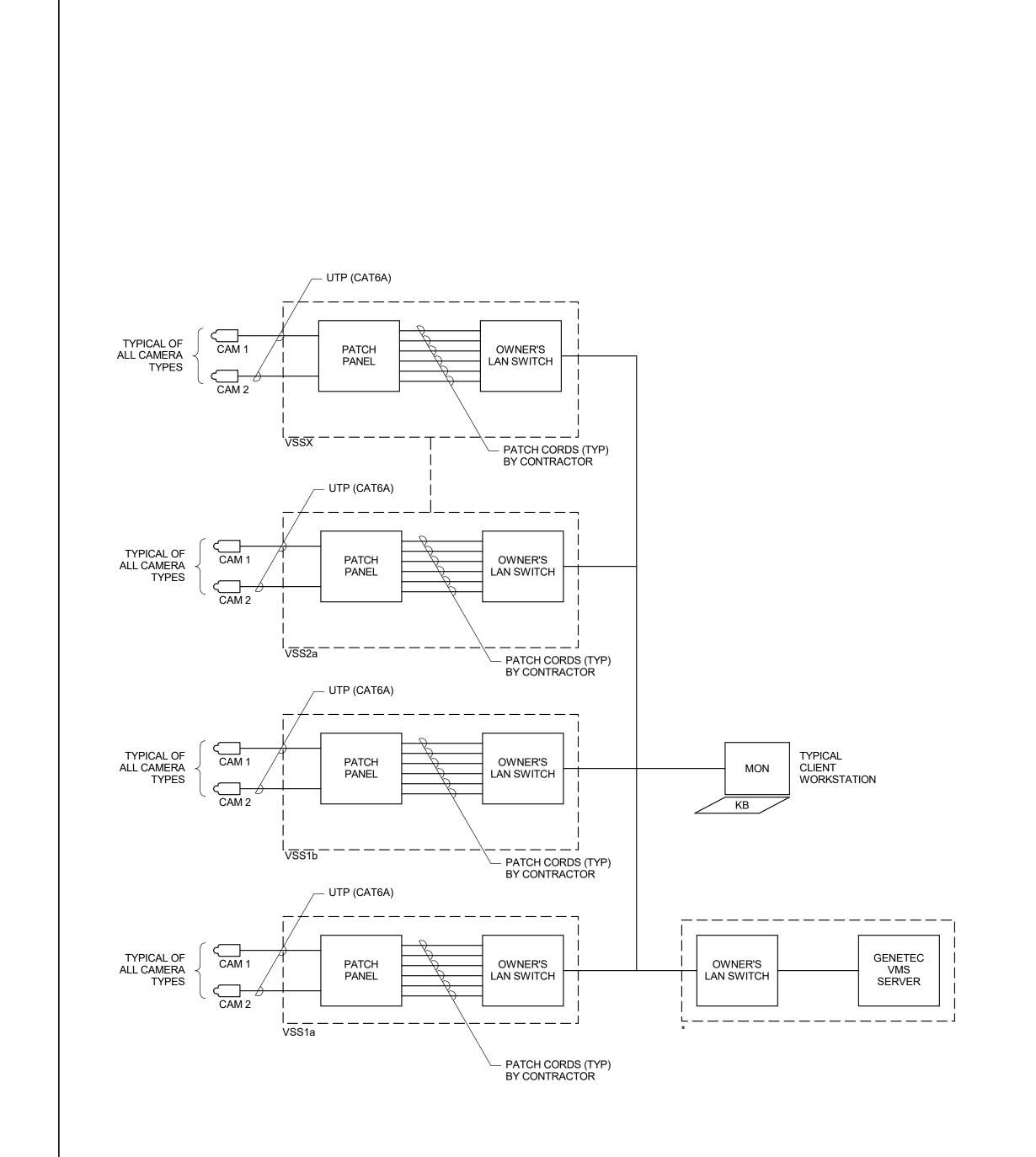
EC601

	VSS CAMERA SCHEDULE					
TYPE	INTERIOR (INT)/ EXTERIOR (EXT)	DESCRIPTION	AXIS MODEL#			
1	INT	FIXED DOME, VARIFOCAL, CEILING MOUNT	P3354			
2	INT	FIXED DOME, VARIFOCAL, WALL MOUNT	P3354			
3	EXT	FIXED DOME, VARIFOCAL, WALL MOUNT	Q3505-VE			
4	INT/EXT	FIXED DOME, CEILING MOUNT (360°)	P3707-PE			
5	INT/EXT	FIXED DOME, WALL MOUNT (180°)	Q3708-PVE			

INTERIOR CAMERA - FIXED DOME (CEILING MOUNTED)	* JUNCTION BOX ABOVE ACCESSIBLE CEILING WITH 1" CONDUIT TO VSS					
INTERIOR CAMERA - FIXED DOME (WALL MOUNTED)	* JUNCTION BOX AT +90" ABOVE FINISHED FLOOR, WITH 1" CONDUIT BACK TO VSS					
EXTERIOR CAMERA - FIXED DOME (WALL MOUNTED)	* JUNCTION BOX AT +120" ABOVE FINISHED FLOOR, WITH 1" CONDUIT BACK TO VSS					

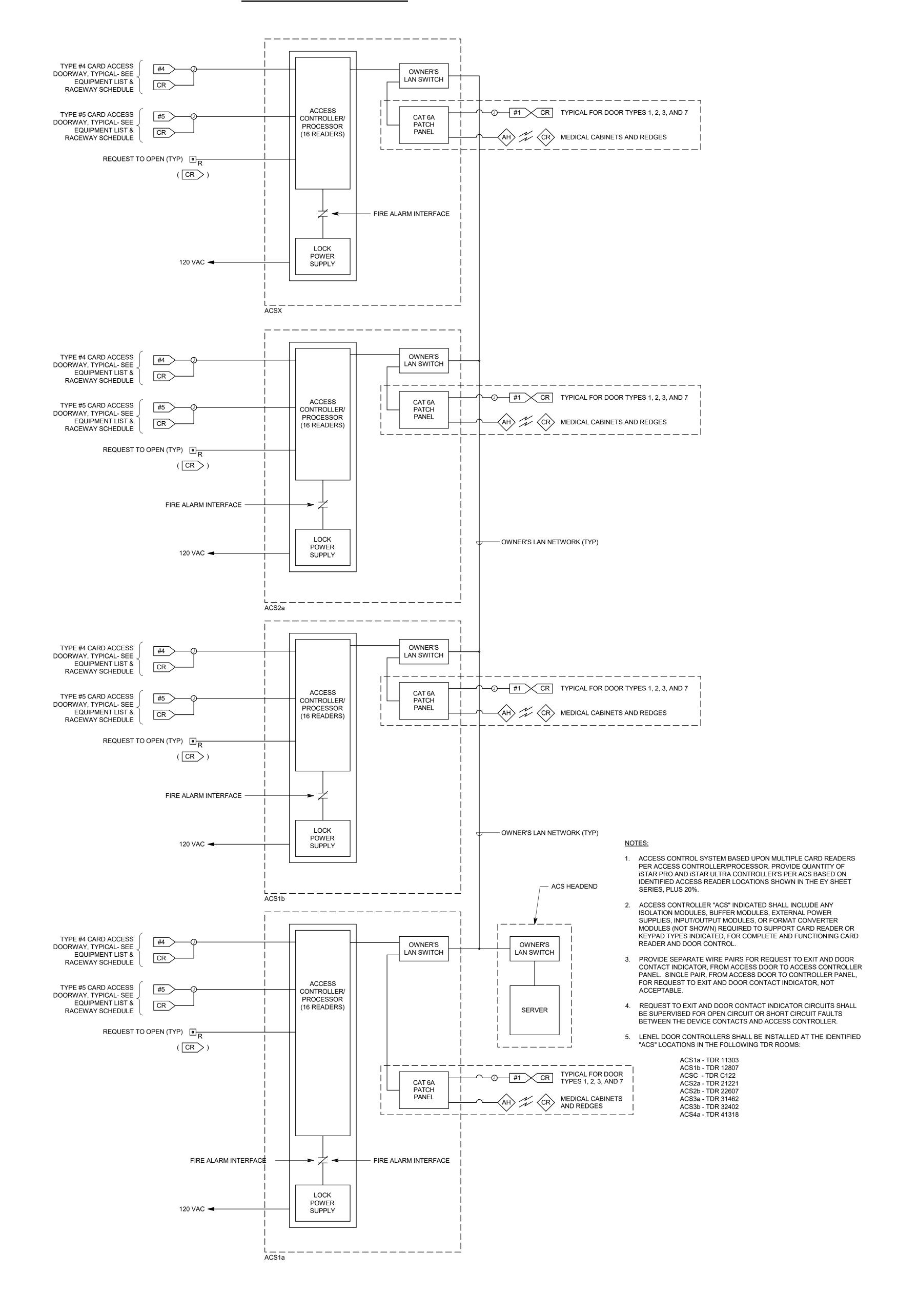
	SECURITY EQUIPMENT SCHEDULE								
SYMBOL	DESCRIPTION	MOUNTING *	ROUGH-IN	QTY	ACCEPTABLE TYPES				
CR	CARD READER	40"	4SQ W/ 1G RING	OFP	SEE SECTION 281300				
CRF	CARD READER FOR FRIDGE AND/OR FREEZER	40"	4SQ W/ 1G RING	OFP	PROVIDE HID READER WITH HES 660 SERIES LOCKSET				
#1	CARD ACCESS DOOR TYPE, TYPICAL. REFER TO CARD ACCESS DOOR TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	REFER TO CARD ACCESS DOOR TYPE SCHEDULE & SECTION 281300				
CI	DOOR MONITOR - CONTACT INDICATOR SWITCH	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE SECTION 281300				
AH	APERIO HUB (IP)	CEILING	1G BOX	OFP	PROVIDE APERIO HUB MODEL AH-40-IN2-NNNN				
CR	WIRELESS READER AND LOCKSET FOR MED CABINET	ON CABINET	PER MANUF.	OFP	PROVIDE HES K100 WIRELESS READER/LOCKSET				
I	IP INTERCOM WALL STATION	54"	3-GANG VERTICAL BOX	OFP	PROVIDE AXIS A8004-VE NETWORK VIDEO DOOR STATION				
1	VSS CAMERA/ENCLOSURE TYPE, TYPICAL. REFER TO VSS CAMERA/ENCLOSURE TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE VSS CAMERA/ENCLOSURE TYPE SCHEDULE				
P	DURESS BUTTON	UNDER COUNTER J-BOX - 18"	4SQ W/ 1G RING	OFP	SEE SECTION 281600				
ACS	CARD ACCESS CONTROLLERS & PWR SUPPLIES	72"	4"x4" GUTTER & STUBS A/R	A/R	SEE SECTION 281300				
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER "TVSS"	AS NOTED	A/R	A/R					
VSS	VIDEO SURVEILLANCE SYSTEM	RACK MOUNTED			COORDINATE WITH OWNER				

* COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS BEFORE INSTALLATION.



VIDEO SURVEILLANCE SYSTEM (VSS) RISER DIAGRAM

ACS SYSTEM RISER



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ACCESS CONTROL SYSTEM (ACS) DIAGRAM