## **AIA** Document G710<sup>°</sup> – 2017

### Architect's Supplemental Instructions

<b>PROJECT</b> : (name and address) Wilma P Mankiller Expansion Stilwell, OK	CONTRACT INFORMATION: Contract For: General Construction	ASI INFORMATION: ASI Number: Bid Package 02 ASI 08				
	Date:	Date: 09-28-20				
<b>OWNER:</b> (name and address) Cherokee Nation Property Management, LLC	ARCHITECT: (name and address) James R. Childers Architect, Inc. 45 South 4th Street Fort Smith, AR 72901	<b>CONTRACTOR:</b> (name and address) M. Ross, Inc.				

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time. (Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific

exhibits.)

See attached narrative for description of changes.

### **ISSUED BY THE ARCHITECT:**

James R. Childers Architect, Inc. ARCHITECT (Firm name)

A.Brell Child

J. Breck Childers, Managing Principal PRINTED NAME AND TITLE

09-28-20 DATE

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# WILMA P. MANKILLER HEALTH CENTER EXPANSION

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CI101	ENLARGED PROPOSED SITE PLAN			A7.13	FINISH PLAN LEVEL 02 SECTOR 01				M5.05	ENLARGED MECH. ROOM HVAC PLAN			
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CP101 CP102	ENLARGED PAVING PLAN			A8.02 A8.03	INTERIOR ELEVATIONS				M6.03 M6.04	MECH CEILING PLAN LEVEL 01 SECTOR 02			
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CP104 CP105	ENLARGED STRIPING PLAN OVERALL JOINTING PLAN			A8.30 A8.31	MILLWORK ELEVATIONS MILLWORK DETAILS				M6.06 M8.01	MECH CEILING PLAN LEVEL 02 SECTOR 02 MECH YARD HYD PLAN			+
CP500 CP501	PAVING DETAILS STRIPING & HANDICAP DETAILS			A8.32 A9.11	MILLWORK SECTIONS CEILING PLAN LEVEL 01 SECTOR 01				M8.02 M8.03	MECH YARD UG HYD PLAN OVERALL MECH HYD PLAN LEVEL 01			
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CG100 CG101	OVERALL GRADING PLAN ENLARGED GRADING PLAN			A9.21 A9.22	CEILING PLAN LEVEL 02 SECTOR 01 CEILING PLAN LEVEL 02 SECTOR 02				M8.05 M8.06	OVERALL MECH HYD PLAN LEVEL 02			
CG102	ENLARGED GRADING PLAN			A9.30	CEILING DETAILS SIGNAGE SCHEDULE & ELEVATIONS				M8.07	MECH HYD PLAN LEVEL 02 SECTOR 01			
CG104	ENLARGED GRADING PLAN			A10.00	SIGNAGE ELEVATIONS				M8.09	OVERALL MECH HYD ROOF PLAN			+
CG105 CG106	ENLARGED GRADING PLAN ENLARGED GRADING PLAN			A10.02 A10.03	SIGNAGE ELEVATIONS SIGNAGE ELEVATIONS				M8.10 M8.11	ENLARGED MECH. ROOM HYDRONIC PLAN HYDRONIC PIPING DIAGRAMS			
CG107	ENLARGED GRADING PLAN		<b>—</b>	A10.04					M9.01				+
CG301	RETAINING WALL PLAN RETAINING WALL PROFILES			A10.05	SIGNAGE ELEVATIONS SIGNAGE ELEVATIONS				M9.02 M9.03	MECHANICAL CONTROLS MECHANICAL CONTROLS			
CG302 CG303	RETAINING WALL PLAN RETAINING WALL PROFILES			A10.07 A10.10	SIGNAGE ELEVATIONS ENLARGED SIGNAGE PLAN - LEVEL 01 SECTOR 01				M10.01 M10.02	MECH AXONOMETRIC PLAN LEVEL 01			
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CG503 CG504	WALLS A, B & C DETAILS			S4.02	ENLARGED PLANS				E1.03 E1.04	POWER PLAN LEVEL 01 SECTOR 02 POWER PLAN LEVEL 02 SECTOR 01			
CG505 CU100	WALLS A, B & C DETAILS			PLUMBING					E1.05 E1.06	POWER PLAN LEVEL 02 SECTOR 02 POWER PLAN LEVEL 01 SECTOR 01 NORTH			
CU101	OVERALL STORM PLAN			P1.00	PLUMBING LGD, NOTES & SCHS.				E1.07	POWER PLAN LEVEL 01 SECTOR 01 CENTER		╞╋┼╋┼╴	
CU102 CU500	ENLARGED STORM PLAN WATER DETAILS			P1.10 P2.00	PLUMBING DETAILS OVERALL LEVEL 01 DRAIN PLAN				E1.08 E1.09	POWER PLAN LEVEL 01 SECTOR 01 SOUTH POWER PLAN LEVEL 01 SECTOR 02 NORTH	+	╞─┼┻┼─	
CU501				P2.11	DRAIN PLAN LEVEL 01 SECTOR 01				E1.10	POWER PLAN LEVEL 01 SECTOR 02 CENTER			+
CU502 CU503	SEWER DETAILS			P2.12 P2.13	OVERALL LEVEL 02 DRAIN PLAN				E1.13	MAINTENANCE /MECH YARD POWER/LIGHTING			
ARCHITECTUR	Al			P2.14 P2 15	DRAIN PLAN LEVEL 02 SECTOR 01 DRAIN PLAN LEVEL 02 SECTOR 02				E1.14 F1 15	MECH POWER PLAN LEVEL 01 SECTOR 01 MECH POWER PLAN LEVEL 01 SECTOR 02			
API				P2.16	OVERALL ROOF PLAN				E1.16	MECH POWER PLAN LEVEL 02 SECTOR 01			
AL0.00 AL1.01	LIFE SAFETY PLAN LEVEL 01			P2.17 P2.18	ROOF PLAN SECTOR 01 ROOF PLAN SECTOR 02				E1.17 E1.18	MECH POWER PLAN LEVEL 02 SECTOR 02 MECH POWER PLAN ROOF			
AL2.01	LIFE SAFETY PLAN LEVEL 02			P2.19 P2.20	ENLARGED DRAIN PLANS				E1.19 E1.20	FIRE ALARM LEGEND AND NOTES			
A1.01	OVERALL FLOOR PLAN LEVEL 01			P2.21	PLUMBING DRAIN/VENT ISOMETRIC				E1.20 E1.21	SYSTEMS PLAN LEVEL 01 SECTOR 02			
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A1.12	FLOOR PLAN LEVEL 01 SECTOR 02			P2.24					E1.24	FIRST FLOOR CABLE TRAY PLAN		╶┓╴┛	
A1.21 A1.22	FLOOR PLAN LEVEL 02 SECTOR 01 FLOOR PLAN LEVEL 02 SECTOR 02			P3.00 P3.11	SUPPLY PLAN LEVEL 01 SECTOR 01				E1.25 E2.01	ZONING PLAN LEVEL 01 SECTOR 01			
A1.30 A1 40	OVERALL ROOF PLAN ENLARGED TOILET PLANS			P3.12 P3.13	SUPPLY PLAN LEVEL 01 SECTOR 02				E2.02 F2.03	ZONING PLAN LEVEL 01 SECTOR 02 ZONING PLAN LEVEL 02 SECTOR 01			+
A2.01	OVERALL EXTERIOR ELEVATIONS			P3.14	SUPPLY PLAN LEVEL 02 SECTOR 01				E2.04	ZONING PLAN LEVEL 02 SECTOR 02			
A2.02 A2.03	ENLARGED EXTERIOR ELEVATIONS ENLARGED EXTERIOR ELEVATIONS			P3.15 P3.16	SUPPLY PLAN LEVEL 02 SECTOR 02 ENLARGED SUPPLY PLANS				E2.05 E2.06	SITE LIGHTING PLAN NORTH SECTOR 1 ENLARGED LIGHTING PLAN		+■+	
A2.04	CANOPY PLANS AND DETAILS			P3.17	ENLARGED MED GAS SUPPLY PLANS				E2.07	CENTER SECTOR 1 ENLARGED LIGHTING PLAN			
A4.01 A4.02	WALL SECTIONS WALL SECTIONS			MECHANICAL					E2.08 E2.09	NORTH SECTOR 1 ENLARGED LIGHTING PLAN			
A4.10	STAIR PLANS AND SECTIONS STEEL STAIR SECTIONS AND DETAILS			MEP1.00	ENLARGED MECHANICAL ROOM			$\square$	E2.10	CENTER SECTOR 2 ENLARGED LIGHTING PLAN			+
A4.20	ELEVATOR PLANS AND SECTIONS			M1.01	MECHANICAL NOTES AND SCHEDULES				E2.12	SOUTH SECTOR 1 LEVEL 02 ENLARGED LIGHTING PLAN			+
A5.01 A5.02	WALL SECTION DETAILS WALL SECTION DETAILS			M1.02 M1.03	MECHANICAL SCHEDULES MECHANICAL SCHEDULES			+	E2.13 E3.01	LIGHTING PLAN LEVEL 02 SECTOR 02 ELECTRICAL SCHEDULES AND RISER			
A5.03	WALL SECTION DETAILS			M2.01	MECHANICAL LEGEND AND DETAILS				E3.02	PANEL SCHEDULES	┼┇┼┇┼╻┤	<b>╷</b> ┛╎┛╎┛	4
A5.04 A5.10	ROOF DETAILS			M2.02 M2.03	MECHANICAL DETAILS MECHANICAL DETAILS			+	E3.03 E3.04	PANEL SCHEDULES PANEL SCHEDULES			+
A5.20	EXTERIOR PLAN DETAILS			M3.01	MECH REQS PLAN LEVEL 01 SECTOR 01				E3.05	ELECTRICAL DETAILS			
A6.01	PARTITION TYPES			M3.02	MECH REQS PLAN LEVEL 01 SECTOR 02								
A6.02	PARTITION FRAMING / HEAD DETAILS			M3.04	MECH REQS PLAN LEVEL 02 SECTOR 02			+					
-													



## BID PACKAGE 02

## (CIVIL / ARCHITECTURAL / STRUCTURAL / MEP)



1836 SOUTH BALTIMORE AVE. TULSA, OK 74119 (539) 664-4618

MECHANICAL / ELECTRICAL / PLUMBING ENGINEER





Chavez-Grieves consulting engineers, inc.

4700 LINCOLN ROAD NE, SUITE 102 ALBUQUERQUE, NM 87109 (505) 344-4080

STRUCTURAL ENGINEER



(281) 589-5900

FIRE PROTECTION / LIFE SAFETY

<u>CIVIL ENGINEER</u>

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EQUIPMENT									
EQ1.11	EQUIPMENT PLAN LEVEL 01 SECTOR 01								
EQ1.12	EQUIPMENT PLAN LEVEL 01 SECTOR 02								
EQ1.21	EQUIPMENT PLAN LEVEL 02 SECTOR 01								
Grand total: 226									

EQUIPMENT PLANNER



![](_page_2_Figure_0.jpeg)

	GENERAL POWER NOTES								
1	ALL RECEPTACLES SHALL BE GROUNDING TYPE.								
2	ALL RECEPTACLES INSTALLED IN BATHROOMS, OUTDOORS AND KITCHENS SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION AS REQUIRED BY THE NATIONAL ELECTRIC CODE.								
3	COORDINATE MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE FEEDERS, DISCONNECTS AND MAINTENANCE RECEPTACLES SO THAT THEY WILL NOT INTERFERE WITH OPERATION OR MAINTENANCE OF MECHANICAL EQUIPMENT.								
4	PROVIDE POWER TO MECHANICAL, PLUMBING, AND ALL OTHER EQUIPMENT AS REQUIRED FOR PROPER OPERATION, COORDINATE AND VERIFY EACH PIECE OF EQUIPMENTS POWER/CONTROL REQUIRMENTS PRIOR TO ORDERING RELATED ELECTRICAL EQUIPMENT. REFER TO RELATED MECHANICAL, PLUMBING, AND OTHER RELATED DOCUMENTS FOR LOCATIONS OF EQUIPMENT AND REQUIRED CLEARANCES AROUND EQUIPMENT.								
5	COORDINATE EXACT MOUNTING HEIGHT OF EACH ABOVE COUNTER RECEPTACLE WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.								
6	ALL OUTLETS LOCATED IN AREAS REQUIRING GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION PER NEC-210 SHALL CONSIST OF A GFCI PROTECTED DEVICE, EVEN IF NOT SPECIFICALLY INDICATED IN THE DRAWINGS. THE GROUND-FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AS DEFINED IN THE NEC. ALL RECEPTACLES SUPPLIED THROUGH A GROUND-FAULT CIRCUIT INTERRUPTER SHALL BE MARKED "GFCI PROTECTED."								
7	COORDINATE EXACT LOCATION OF ALL FLOOR BOXES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. VERIFY EACH TYPE OF FLOOR BOX WITH INTENDED USE AND INSTALLATION, COORDINATE THIS WITH THE CONSTRUCTION OF FLOOR TYPE TO BE INSTALLED IN PRIOR TO ROUGH-IN SO AS TO ENSURE A CLEAN AND PROPER INSTALLATION. FOR INSTALLATIONS IN CONTRETE SLAB WITH OVERLAY OF CARPET, WOOD, AND/OR OTHER SIMILAR MATERIALS. LEAVE A 48"X48" BLOCK OUT WHEN FLOOR IS POURED SO THAT FINAL LOCATION OF FLOOR BOX MAY BE DETERMINED IN THE FIELD.								

	GENERAL LIGHTING NOTES									
1	WHERE RECESSED LIGHTING FIXTURES ARE INDICATED IN A FIRE RATED CEILING, PROVIDE A ONE HOUR RATED "TENT" FOR FIXTURE									
2	PROVIDE ALL MOUNTING AND SUPPORT HARDWARE FOR LIGHT FIXTURES TO MEET SPECIFIED MOUNTING HEIGHTS, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF FIXTURES.									
3	CONNECT "UN-SWITCHED" HOT CONDUCTOR FROM CIRCUIT SERVING SPACE LIGHTING TO EACH EXIT SIGN, EMERGENCY LIGHT, AND ANY FIXTURE DESIGNATED AS NIGHT LIGHT SERVING THE SPACE.									
4	COORDINATE ALL DEVICES AND WALL-MOUNTED LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL WALL FINISHES AND ELEVATIONS. SPECIAL ATTENTION AND COORDINATION OF WALL TYPES AND FINISHES IS REQUIRED PRIOR TO ROUGH-IN. EXACT LOCATION OF DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN TO AVOID INSTALLATION ON SPECIAL ARCHITCTURAL WALL FINISHES. DEVICES NOT PROPERLY COORDINATED WITH THE SPECIAL WALL FINISHES INDICATED IN THE CONSTRUCTION DOCUMENTS PRIOR TO ROUGH-IN SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.									
5	ELECTRICAL CONTRATOR SHALL VERIFY CHEVRON DIRECTIONS OF ALL EXIT SIGNS PRIOR TO ORDERING.									
7	COORDINATE AND PROVIDE DIMMER SWITCHES RATED FOR AND COMPATABLE WITH INTENDED LIGHT FIXTURE(S) TO BE CONTROLLED. CIRCUITS CONTROLLED WITH LINE-VOLTAGE DIMMER SWITCHES SHALL NOT SHARE NEUTRAL CONDUCTORS.									
8	FOR GENERATOR FED EXIT AND EMERGENCY LIGHTS: CIRCUITS SHALL HAVE RELAY FUNCTION OVERRIDE LIGHTING CONTROLS, DURING GENERATOR OPERATION.									
9	WHERE SHOWER LIGHT SWITCHES ARE ACCESSIBLE FROM SHOWER, EC SHALL USE NYLON SCREWS IN FACEPLATE.									

	GENERAL LOW VOLTAGE NOTES
1	PROVIDE BACK BOX AND CONDUIT TO ABOVE THE ACCESSIBLE CEILING AS REQUIRED FOR THE HVAC BUILDING AUTOMATION SYSTEM DEVICES. COORDINATE EXACT LOCATIONS AND OTHER REQUIREMENTS WITH RELATIVE MEP DRAWINGS AND THE CONTROLS CONTRACTOR PRIOR TO ROUGH-IN. THERMOSTATS, TEMPERATURE SENSORS, STATIC PRESSURE SENSORS, HUMIDISTATS, ETC. SHALL BE INSTALLED AT THE SAME ELEVATION AS THE LIGHT SWITCHES UNLESS REQUIRED OTHERWISE.
2	PROVIDE (1) 1/2" CONDUIT, AND 4" SQUARE BOX WITH SINGLE GANG DEVICE RING FOR ALL THERMOSTAT LOCATIONS INDICATED ON THE MECHANICAL DRAWINGS. ROUTE CONDUIT FROM BOX TO ACCESSIBLE CEILING CAVITY. PROVIDE PLASTIC BUSHINGS ON EXPOSED CONDUIT ENDS. PROVIDE PULL STRING IN ALL EMPTY CONDUIT SYSTEMS. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
3	PROVIDE CABLE TRAY ABOVE CEILING IN ALL CORRIDORS FOR ROUTING OF LOW VOLTAGE CABLES.
4	PROVIDE 4'WIDE X 4'TALL X 3/4" FIRE RATED, PAINTED CDX PLYWOOD BACKBOARD WHERE SHOWN ON DRAWINGS OR AS REQUIRED FOR TELEPHONE, CATV, ALARM SYSTEM EQUIPMENT, ECT. COORDINATE EXACT LOCATION(S) WITH RESPONSIBLE CONTRACTOR(S).
5	FURNISH AND INSTALL A TELEPHONE SERVICE CONDUIT(S) PER TELEPHONE SERVICE PROVIDER SPECIFICATIONS. STUB UP AT DESIGNATED EQUIPMENT BOARD.
6	FURNISH AND INSTALL ONE #6 COPPER INSULATED GROUND WIRE FROM THE ELECTRICAL SERVICE GROUND TO THE TELEPHONE EQUIPMENT BOARD. LEAVE 36" EXTRA WIRE AT FREE END.
7	FURNISH AND INSTALL A CABLE TV SERVICE CONDUIT(S) PER CABLE TV PROVIDER SPECIFICATIONS. STUB UP AT SERVICE POINT.
8	REFER TO SITE UTILITIES PLAN AND COORDINATE ENTIRE INSTALLATION WITH CABLE TV SERVICE PROVIDER.
9	PROVIDE ROUGH-IN OF ALL BACK BOXES, CONDUITS (WITH BUSHINGS AND PULL STRINGS) AND OTHER WIRE WAYS AS REQUIRED FOR LOW VOLTAGE SYSTEMS, COORDINATE ALL REQUIRED LOCATIONS WITH OWNER AND RESPONSIBLE CONTRACTOR(S).
10	ALL CABLES PULLED IN CONDUIT ROUTED UNDERGROUND SHALL BE WET RATED.
11	REFER TO SITE UTILITIES PLAN AND COORDINATE ENTIRE INSTALLATION WITH PHONE SERVICE PROVIDER.

	GENERAL ELECTRICAL NOTES		S			
1	SPECIAL ATTENTION SHALL BE GIVEN TO ALL RACEWAYS WITHIN FINISHED AREAS WITHOUT CEILINGS AND EXPOSED TO STRUCTURE. IN GENERAL, ALL RACEWAYS SHALL BE CONCEALED	AC	C AE	BOVE COUNTER	IG	ISOLATED GROUND
	WITHIN WALLS, ABOVE STRUCTURE FINISH, OR BELOW FLOOR SLABS WHEN SPECIFIED. WHERE EXPOSED CONDITIONS ARE NECESSARY OR UNAVOIDABLE DUE TO OTHER	AF CE	FFAE BCI	BOVE FINISHED FLOOR RCUIT BREAKER	MCC NEC	MOTOR CONTROL CENTER NATIONAL ELECTRICAL CODE
	CONDITIONS, THE BID SHALL INCLUDE ANY REASONABLE MEANS TO MINIMIZE THE AMOUNT OF SURFACE MOUNTED EQUIPMENT. PRIOR TO ROUGH-IN, COORDINATE ALL EXPOSED RACEWAY	E E	E> C EL	KISTING LECTRICAL CONTRACTOR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
	AND BOX CONDITIONS WITH ARCHITECT PRIOR TO CONSTRUCTION OF WALLS, ROOF DECK, OR FLOOR SLABS. ATTACHMENT TO ROOF DECK OR JOIST WEBBINGS IS NOT ALLOWED, MAINTAIN	EF	ΡΕΧ FIGI	KPLOSION PROOF ROUND FAULT CIRCUIT INTERRUPTER	NIC NL	NOT IN CONTRACT NIGHT LIGHT
	A MINIMUM SPACING OF 1-1/2" FROM CONDUIT TO ROOF DECK. IN AREAS WHERE EXPOSED RACEWAYS ARE REQUIRED, INSTALL SYSTEMS SQUARE AND TIGHT TO STRUCTURE AND PAINT	GI	r gi P ho	ROUND DRSE POWER	UG UON	UNDERGROUND UNLESS OTHERWISE NOTED
	PROPERLY COORDINATE THE ROUTING OF EXPOSED RACEWAYS MAY RESULT IN RELOCATION				WP WR	WEATHERPROOF WEATHER RESISTANT
2	OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT-RATED WALLS,					
	PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING. PROVIDE PENETRATION FIRE STOPPING WITH			WIRIN	JG	
	FIRE RESISTANCE RATING OF CONSTRUCTED PENETRATIONS.	/	$\frown$	WIRING CONCEALED IN CEILING OR	WALLS UC	DN. ALL WIRE
3	FIELD VERIFY LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, INCLUDING POWER POLES, TELEPHONE PEDESTALS, OVERHEAD AND UNDERGROUND FEEDERS, METERS, PANELS,	_		→ EXPOSED RACEWAY.		
4	CONDUCTORS FOR BRANCH CIRCUITS AS DEFINED IN ARTICLE 100, SHALL BE SIZED TO	-		→ UNDERGROUND RACEWAY; TYPE, S	JZE, COND	UCTORS, AND
	PREVENT A VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST LOAD, AND WHERE THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE			ARRANGEMENT BY NOTATION OR S	CHEDULE.	
5	FARTHEST LOAD DOES NOT EXCCED 5%.         ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL			SWITCI	HES	
6	CODE, STATE LAWS, AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIAL, AND LABOR TO SATISFY A	¢*				
7	COMPLETE AND WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.	φ		FOR ALL LIGHTING DEVICE TYPES.		
8	ALL ELECTRIC MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND U.L. OR		:	* ABBREVIATIONS FOR SWITCH	INDICATES	S FIXTORES CONTROLLED.
9	SUBMIT TO THE OWNER CERTIFICATES OF INSPECTIONS IN DUPLICATE FROM AN APPROVED			2 DOUBLE POLE SWITCH 3 3-WAY SWITCH		
10	THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL		•	4 4-WAY SWITCH D DIMMER SWITCH (SHALL BE COMPA		TH FIXTURE BEING DIMMED)
11	FEES AS REQUIRED, THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND QUALIFIED PERSONNEL OR FIRM			F FAN SWITCH: DUAL OPERATION WIT K KEYED SWITCH		< compared with the second sec
12	TO PERFORM ALL REQUIRED TESTS. NO EQUIPMENT SHALL BE ENERGIZED UNTIL ALL TEST AND ADJUSTMENTS HAVE BEEN MADE.			M MOTOR RATED SWITCH OS DUAL TECHNOLOGY OCCUPANCY S	SENSOR	
13	THREE COPIES OF ALL TEST RESULTS SHALL BE DELIVERED TO THE OWNER	$\diamond$		CEILING MOUNTED DUAL TECHNOLOGY	OCCUPAN	CY SENSOR.
	4-FEET ABOVE THE CEILING IN A LOCATION ACCESSIBLE VIA A LADDER FROM THE ROOM BELOW.	~(	5			
14	ALL WIRING DEVICE COVERPLATES SHALL INDICATE PANELBOARD AND CIRCUIT SERVING THE			RECEPTA	<b>ACLES</b>	S
15	3M COMPANY (OR APPROVED EQUIVALENT).					
15	CIRCUITS, UNLESS OTHERWISE SPECIFIED. APPLICATION - TYPE OF CONDUIT BURIED IN		Ф	DUPLEX RECEPTACLE (NEMA 5-20R)		
	- GALVANIZED RIGID STEEL OR SERVICE UTILITY SPECIFICATIONS.		ሐ	DUPLEX RECEPTACLE (NEMA 5-20R) <sup>,</sup> MC		
16	SEISMIC PROTECTION FOR SEISMIC CONCERNS OF ALL BUILDING SYSTEMS INCLUDING BUT NOT LIMITED TO MECHANICAL, PLUMBING, AND ELECTRICAL MUST MEET MINIMUM		П	8" ABOVE COUNTERTOP.	<b>_ U</b>	
	REQUIREMENTS OF ALL APPLICABLE CODES FOR BUILDINGS' CLASSIFIED SEISMIC USE GROUP AND SEISMIC DESIGN CATEGORY. ANY REQUIREMENTS FOR SEISMIC PROTECTION MEASURES		Ψu	(ALL RECEPTACLE TYPES) WITH USB CH	IARGING P	ORTS
	TO BE APPLIED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND/OR FEDERAL CODES AND WITH MANUFACTURER'S REQUIREMENTS, THE MOST		•			
	STRINGENT SHALL APPLY.		Υ Ψ	GFI DUPLEX RECEPTACLE (NEMA 5-20R)	, SELF-TES	ST TYPE
	SEISMIC RESTRAINTS REQUIRED FOR THE VARIOUS SYSTEM'S ELEMENTS CONTAINED IN THE		Ŷ	GFI DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED 8" ABOVE COUNTERTOP.	, SELF-TES	ST TYPE;
	WEIGHT OF THE SUPPORTED ELEMENT AND THE DISTANCE FROM STRUCTURE THAT THE		_			
	AUTHORITY HAVING JURISDICTION (AHJ) THE CONTRACTOR SHALL SUBMIT DESCRIPTIVE	=	₱	QUADRUPLEX RECEPTACLE (TWO NEMA	4 5-20R)	
	AND INSTALLATION DETAILS OF SEISMIC RESTRAINTS AND CALCULATIONS SHOWING THAT THE SEISMIC RESTRAINTS MEET THE SEISMIC REQUIREMENTS TO THE LOCAL ANJ FOR REVIEW AND		P	SPECIAL RECEPTACLE: VERIFY NEMA TY		/IANUFACTURER
	APPROVAL. CALCULATIONS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF THE PROJECT LOCATION AND EMPLOYED BY THE					
	MANUFACTURER OF THE SEISMIC RESTRAINT PRODUCTS. CALCULATIONS SHALL INCLUDE DEAD LOADS, STATIC SEISMIC LOADS AND CAPACITY OF MATERIALS UTILIZED FOR		$\mathbb{D}$	OG WITH EVOLUTION COVER. ROUTE (2)	1" FOR DA	TA FROM FLOOR BOX TO
	CONNECTIONS TO EQUIPMENT AND STRUCTURE.			(2) CAT6 CABLE HOME RUNS TO THE NE	AREST I.T.	ROOM REFER THE POWER
17	UNLESS NOTED OTHERWISE PROVIDE MINIMUM #8 AWG CONDUCTORS IN 1" CONDUIT(S) FOR ALL UNDERGROUND SITE POWER AND LIGHTING CIRCUITS. INCREASE CONDUCTOR AND			LEVELS WITH ACCESSIBLE SPACE BELO	W, USE PC	REQUIREMENTS: ON FLOOR DKE-THRU STYLE FLOOR
	RELATED CONDUIT SIZE AS NOTED OR OTHERWISE REQUIRED TO LIMIT VOLTAGE DROP TO LESS THAN 5% FOR THE ENTIRE LENGTH OF SYSTEM.			UON. FLOOR BOX BELOW GRADE WILL F	REQUIRE T	AL PLANS FOR LOCATION RANSITION POINT.
18	UNDERGROUND UTILITIES/FEEDERS/BRANCH CIRCUITS/ETC. SHALL NOT BE ROUTED THROUGH OR WITHIN 25 FEET OF ANY AREAS DEDICATED FOR FUTURE BUILDING ADDITION.	$\square$	<u>⊽</u> tv	TELEVISION: PROVIDE HUBBELL NSAV62 CONDUIT FOR POWER AND 1" CONDUIT	2M JUNCTIC	ON BOX (OR EQUAL) WITH 1/2" L STRINGS) FOR A/V ROUTED
19	DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW ALL GENERAL NOTES. SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS			TO ACCESSIBLE CEILING SPACE. EACH F	HONE/DA	TA BOX SHALL HAVE (1) CAT6 EFER THE POWER PLANS AND
	THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS.			SPECIFICATIONS FOR INSTALLATION RE	QUIREMEN	ITS. PROVIDE CONNECTIONS
20	INSTALL EQUIPMENT IN A MANNER TO REMAIN ACCESSIBLE WITH REASONABLE MEANS BY THE			HEIGHTS WITH ARCHITECT PRIOR TO RO	DUGH-IN.	
	COORDINATION IS EXPECTED IN AREAS OF THE BUILDING WHERE THE CEILING AND STRUCTURE HEIGHTS HAVE SIGNIFICANT DIFFERENT FLEVATIONS, EQUIPMENT REQUIRING		φ	SINGLE RECEPTACLE (NEMA 5-20R)		
	POSSIBLE FUTURE ACCESS SHALL BE INSTALLED SUCH THAT IT MAY BE SAFELY ACCESSED FROM A STANDARD STEP LADDER OR PERSONNEL LIFT SUITABLE FOR THE LOCATION AND		P	SPLIT WIRED DUPLEX RECEPTACLE (NE	MA 5-20R)	
21	CEILING HEIGHT, WITHOUT REMOVING OR DAMAGING THE CEILING GRID STRUCTURE.		۲	DIRECT EQUIPMENT CONNECTION: VERI	IFY CONNE	CTION DETAILS WITH
21	COORDINATE ALL CEILING MOONTED ELECTRICAL TEMS WITH OTHER DISCIPLINES, WITH CEILING, AND STRUCTURE. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.			FLOOR BOX: HUBBEL 3SFBSS WITH 3SFE	BC COVER.	. EC SHALL ROUTE A 1"C FOR
22	FLOOR PLANS. CONTRACTOR SHALL PROVIDE FINALIZED PANELBOARD SCHEDULES AT		Φ	FLOOR BOX TO NEAREST ACCESSIBLE O	CEILING SP. POKE-THR	ACE. ON FLOOR LEVELS U STYLE FLOOR BOXES:
23	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GROUNDING SYSTEMS (AS REQUIRED) IN			FLOOR BOX BELOW GRADE WILL REQUI	RE TRANS	ANS FOR LOCATION UON. ITION POINT.
24	ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH THE MECHANICAL WORK AS CALLED	(	$\square$	CEILING MOUNTED RECEPTACLE(NEMA	5-20R)	
25	FOR IN MECHANICAL SPECIFICATIONS AND PLANS. PROVIDE A MINIMUM OF (3) SPARE 1" CONDUITS FROM RECESSED PANELBOARD, UP TO					
26	ACCESSIBLE CEILING SPACE. FIELD MOUNTED DEVICES SUCH AS SWITCHES, MOTOR STARTERS, RECEPTACLES, ETC., ARE			PANELS AN		SC.
	SHOWN IN THEIR APPROXIMATE LOCATION. SWITCH MOUNTING HEIGHT SHALL BE 48" ABOVE FINISHED FLOOR AND RECEPTACLE MOUNTING HEIGHT SHALL BE 18" ABOVE FINISHED FLOOR		_	LIGHT OR POWER PANEL		
27	UON. REFER TO THE TYPICAL MOUNTING HEIGHT DETAIL. PROVIDE EMT WITH PROPERLY INSTALLED COMPRESSION OR SET-SCREW TYPE FITTINGS AND					
	AN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR ALL RACEWAYS SERVING EXAM ROOMS, LABS, AND OTHER RELATED ROOMS TO COMPLY WITH NEC, HEALTHCARE FACILITIES.		U		0001	
28	DESIGNATED SPARE CIRCUIT BREAKERS SHALL BE PLACED IN THE OFF POSITION		Ľ	EQUIPMENT DISCONNECT: INTERIOR DIS EXTERIOR DISCONNECTS SHALL BE NEW	SCONNECT	S SHALL BE NEMA 1 TYPE. E. SIZE AS INDICATED IN THE
29	PROVIDE SPD AS REQUIRED FOR OWNER PROVIDED EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ACCESS CONTROL SYSTEM, COMMUNICATION SYSTEM, DATA SYSTEM,		æ	PLANS AND PER NAMEPLATE RATING. PHONE/DATA: PROVIDE 4"X4", 30-1/4 CUE	3IC INCH O	UTLET BOX AT 8" ABOVE
	SECURITY SYSTEM.		v	COUNTER (UON) WITH (2) 3/4" CONDUITS ACCESSIBLE CEILING SPACE. EACH PHC	3 (WITH PU DNE/DATA E	LL STRINGS) ROUTED TO BOX SHALL HAVE (2) CAT6
				CABLE HOME RUNS TO THE NEAREST I.T AND SPECIFICATIONS FOR INSTALLATIO	r. Room Ri N Requiri	EFER THE POWER PLANS EMENTS. PROVIDE SINGLE
				GANG MUD RING WITH BLANK COVER. P EXPOSED CONDUIT ENDS. VERIFY NUM	ROVIDE PL BER OF DF	LASTIC BUSHINGS ON ROPS WITH OWNER.
			$\bigtriangledown$	PHONE/DATA: PROVIDE 4"X4", 30-1/4 CUE WITH (2) 3/4" CONDUITS (WITH PULL STR	3IC INCH O	UTLET BOX AT +18" (UON) JTED TO ACCESSIBLE CEILING
				SPACÈ. EACH PHONE/DÀTA BOX SHALL THE NEAREST I.T. ROOM REFER THE PO	HAVE (2) C	AT6 CABLE HOME RUNS TO IS AND SPECIFICATIONS FOR
				INSTALLATION REQUIREMENTS. PROVID COVER. PROVIDE PLASTIC BUSHINGS OF	DE SINGLE N EXPOSE	GANG MUD RING WITH BLANK D CONDUIT ENDS. VERIFY
			$\bigcirc$	NUMBER OF DROPS WITH OWNER.		
			$\bigtriangledown$	PHONE/DATA: PROVIDE 4"X4", 30-1/4 CUE PROVIDE SINGLE GANG MUD RING WITH	BLANK CC	UTLET BOX IN CEILING. DVER. EACH PHONE/DATA BOX
				THE POWER PLANS AND SPECIFICATION	IS TO THE I IS FOR INS	TALLATION REQUIREMENTS.
				TELEVISION: PROVIDE 4"X4" JUNCTION E	<u>-</u> rk. 30X WITH (	2) 3/4" CONDUITS (WITH PULL
				STRINGS) ROUTED TO ACCESSIBLE CEIL SHALL HAVE (1) CAT6 CABLE HOME RUN	LING SPACI	E. EACH PHONE/DATA BOX NEAREST I.T. ROOM REFER THE
				POWER PLANS AND SPECIFICATIONS FO PROVIDE SINGLE GANG MUD RING WITH	)R INSTALL I BLANK CC	ATION REQUIREMENTS. DVER. CONFIRM HEIGHTS WITH
				ARCHITECT PRIOR TO ROUGH-IN. VERIF	Y NUMBER	OF DROPS WITH OWNER.
			S	CEILING MOUNTED SPEAKER		
			CR	CARD READER: REFER TO SYSTEM PLAN	NS AND SP	ECIFICATIONS. AT EACH
				DOOR WITH A CARD READER PROVIDE A DOOR HARDWARE SYSTEMS AS REQUIN	ALL ELECTI	RICAL CONNECTIONS FOR KE A COMPLETE
				OPERATIONAL SYSTEM. WHERE REQUIR ALLOWED FOR CARD READER AND PUS	(ED, BACK) H TO EXIT	IU BACK 2"X4" BOXES ARE SWITCH. PROVIDE POWER
				INSTALLING SYSTEM IN THE I.T. ROOM	VVIIERE NI	LEDED BY CONTRACTOR
			APK	WIRELESS ACCESS POINT: PROVIDE 4"X ACCESSIBLE CEILING SPACE. PROVIDE S	.4", 30-1/4 C SINGLE GA	CUBIC INCH OUTLET BOX AT NG MUD RING WITH BLANK
				COVER. EACH WAP BOX SHALL HAVE (2) NEAREST I.T. ROOM REFER THE POWER	) CAT6 CAB R PLANS AN	LE HOME RUNS TO THE
	$\sim$	$\rightarrow$			$\sum_{i=1}^{n}$	
	Ę	P	РВ	PANIC BUTTON: THE PROJECT SHALL HA	AVE A PANI TER TO ON	IC BUTTON SYSTEM WITH PANIC IE SIDE IN THE LOCATIONS
	ξ			INDICATED ON THE SYSTEMS PLANS. AT PROVIDE ALL ELECTRICAL CONNECTION	EACH COU	UNTER WITH A PANIC BUTTON ANIC BUTTON SYSTEMS AS
	Ę			REQUIRED TO MAKE A COMPLETE OPER CUBIC INCH OUTLET BOX AT +18" (UON)	(A FIONAL S IN THE NE/	AREST WALL WITH (1) 3/4"
	Ę			CONDULTS (WITH PULL STRINGS) ROUTE BY OTHERS.	ACCI חי וט ACCI	ESSIBLE CEILING SPACE. WIRING
		لهر باله			$\mathcal{A}$	

![](_page_2_Picture_5.jpeg)

![](_page_3_Figure_0.jpeg)

![](_page_3_Figure_1.jpeg)

![](_page_3_Picture_2.jpeg)

SYSTEMS PLAN LEVEL 01 SECTOR 01

![](_page_3_Picture_5.jpeg)

![](_page_4_Figure_0.jpeg)

![](_page_4_Figure_1.jpeg)

![](_page_4_Picture_2.jpeg)

![](_page_4_Picture_5.jpeg)

![](_page_5_Figure_0.jpeg)

![](_page_5_Figure_1.jpeg)

PLAN NORTH TRUE NORTH

### **KEYNOTES**

![](_page_5_Figure_4.jpeg)

![](_page_5_Picture_5.jpeg)

![](_page_5_Picture_6.jpeg)