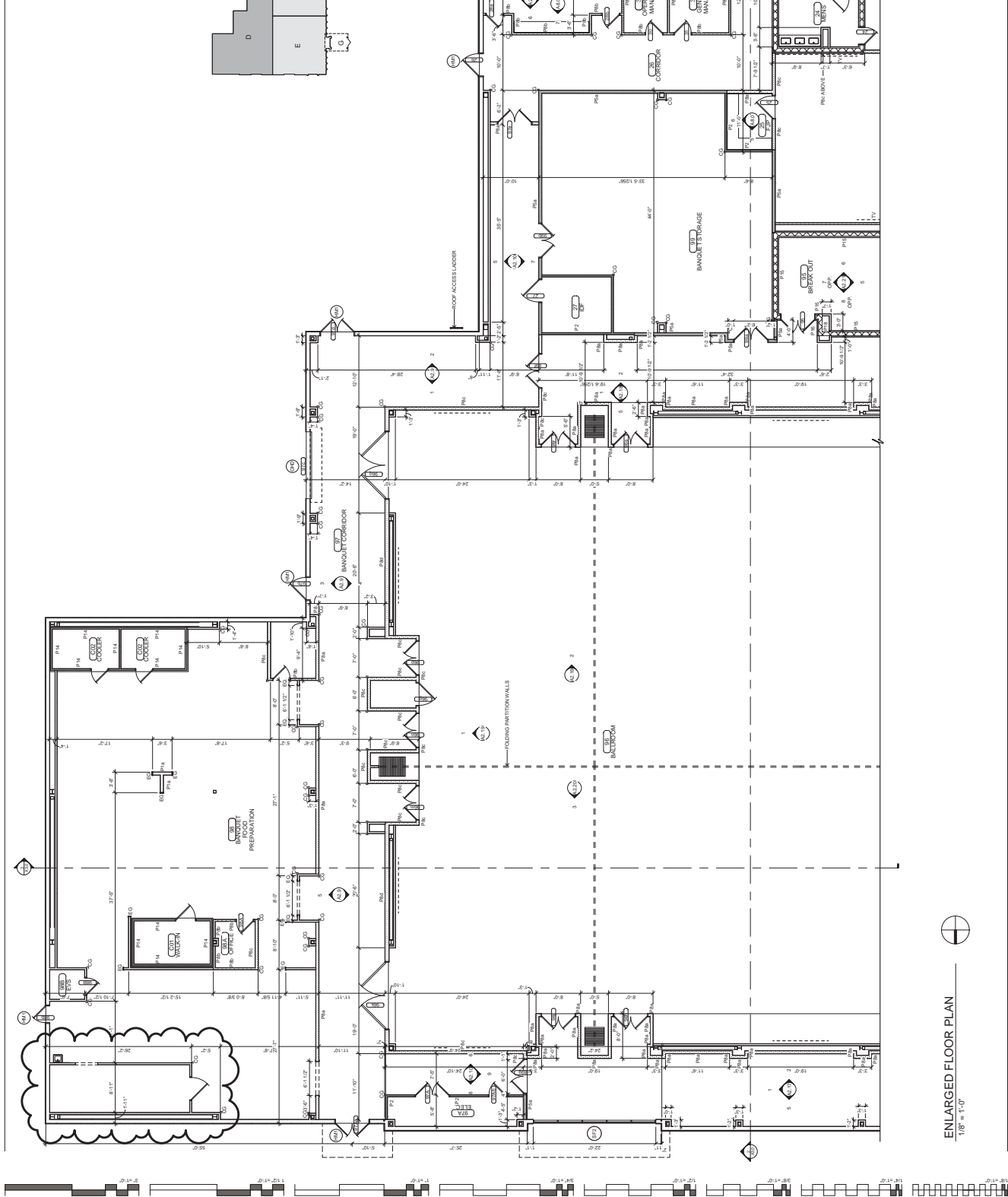
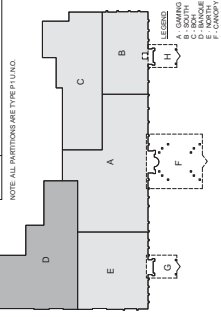


**PARTITION TYPES**

1	1/2" X 4" FLOOR PARTITION
2	1/2" X 4" FLOOR PARTITION
3	1/2" X 4" FLOOR PARTITION
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97	1/2" X 4" FLOOR PARTITION
98	1/2" X 4" FLOOR PARTITION
99	1/2" X 4" FLOOR PARTITION
100	1/2" X 4" FLOOR PARTITION



ENLARGED FLOOR PLAN  
1/8" = 1'-0"



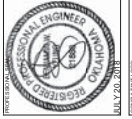
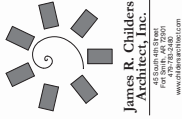
## Tahlequah Casino Addendum 17

Date: July 20, 2018

### Plumbing

<u>Sheets</u>	<u>Description</u>
M0.1	Updated mechanical sheet index.
M0.4	Revised airflows for MAU-1 & MAU-2.
M0.5	Revised airflow for FC-1. Added D-16 & R-10 to air distribution schedule. Adjusted FC-1 & FC-3. Adjusted FC-12
M0.7	Revised MAU-1 terminal air box schedule and kitchen exhaust fan schedule.
M1.1	Added supply & return to cultural display at vestibule.
M1.2	Revised kitchen hoods and kitchen exhaust fan configuration. Removed KEF-6 and associated ductwork and accessories. Removed KEF-7 and associated ductwork and accessories. Removed terminal box MCV-1-7 and associated ductwork and accessories. Relocated KEF-10. Added 50 cfm supply/return to Cultural Painting display area.
M1.4	Revised kitchen hoods and kitchen exhaust fan configuration. Removed KEF-8 and associated ductwork and accessories. Adjusted supply air to Storage 98D.
M1.5	Added supply & return to cultural display at vestibule.
M4.1	Routed chilled water supply/return piping to compressors in food service area.
M4.2	Routed chilled water supply/return piping to compressors in food service area.
M4.3	Routed chilled water supply/return piping to compressors in food service area.
M4.4	Routed chilled water supply/return piping to compressors in food service area.
M6.1	Removed KEF-6, 7, 8 per food service changes.
P0.1	Updated plumbing sheet index.
P0.3	Fixed spelling of the word "Guard" per peer review comments. Added 4" housekeeping pad requirement to water heaters schedule per peer review comments.
P0.6	Revised gas isometric diagram per food service changes.

- P1.01 Relocated text off grids per peer review comments.  
Revised sheet note #4.
- P1.1 Added RD & ORD text notes per peer review comments.  
Added cleanout call outs per peer review comments.  
Relocated hose bib out of IDF room.  
Removed wtr supply and condensate drain from adjusted mechanical equipment.  
Removed fire department connection from Fire Riser 34.
- P1.2 Fixed spelling of the word "Adjacent" per peer review comments.
- P1.3 Added RD & ORD text callouts per peer review comments.  
Removed condensate drain from adjusted mechanical equipment and added note #5.
- P1.4 Added RD & ORD text callouts per peer review comments.
- P6.1 Relocated vents thru roof.
- PFS.101 Re-designed waste / grease waste system per food service changes.  
Fixed notes for clarification.
- PFS.102 Re-designed waste / grease waste system per food service changes.
- PFS.103 Re-designed waste / grease waste system per food service changes.
- PFS.104 Adjusted beer line size to match food service plans.
- PFS.105 Re-designed waste / grease waste system per food service changes.
- PFS.106 Re-designed waste / grease waste system per food service changes.  
Fixed notes for clarification.
- PFS.107 Re-designed domestic water & gas system per food service changes.
- PFS.108 Re-designed domestic water & gas system per food service changes.
- PFS.109 Re-designed domestic water & gas system per food service changes.



TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT FILE:	
BID PACKAGE 05	
DATE:	05/03/18
REVISED:	11-06
PROJECT NO.:	MO.1
MECHANICAL ABREVIATIONS AND SYMBOLS LIST	

DATE:	05/03/18
REVISED:	11-06
PROJECT NO.:	MO.1
MECHANICAL ABREVIATIONS AND SYMBOLS LIST	

### MECHANICAL ABBREVIATIONS

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL ABBREVIATIONS CONTAINED THEREIN MAY APPEAR ON THE DRAWINGS.

ABSC	AMERICAN BALANCE COUNCIL	ACD	GRAZE CLEAROUT	PD	PRESSURE DROP
AD	AIR DUCT	ADP	AIR DUCT CONTROLS DAMPER	PDV	POUNDS PER SQUARE INCH
AP	ACCESS PANEL	AE	AIR EXHAUST	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
ASB	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS	ASPE	AMERICAN SOCIETY OF PLUMBING	PSIG	POUNDS PER SQUARE INCH GAUGE
AV	AIR VENT	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
BV	BRAKE VENT	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
BPH	BRAKE HORSEPOWER	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
BTU	BRITISH THERMAL UNITS	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
CH	CHILLED WATER	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
CHR	CHARACTERISTICS	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
CS	CONDENSER WATER SUPPLY	AV	AIR VENT	PSIG	POUNDS PER SQUARE INCH GAUGE
CS	CONDENSER WATER RETURN	AV	AIR VENT	PSIG </tr	

### MECHANICAL SYMBOL LIST

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS CONTAINED THEREIN MAY APPEAR ON THE DRAWINGS.

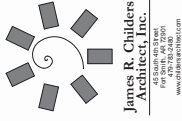
ITEM TO BE REMOVED	CHILLED WATER RETURN PIPING
POINT OF CONNECTION/CONNECTION	CHILLED WATER SUPPLY PIPING
SHEET NOTE	CONDENSER WATER RETURN PIPING
REVISION NUMBER	CONDENSER WATER SUPPLY PIPING
EQUIPMENT MARK	HEATING WATER RETURN PIPING
DIFFUSER TAG	HEATING WATER SUPPLY PIPING
ACCESS PANEL	REFRIGERANT LIQUID PIPING
SUPPLY AIR DUCT UP/DOWN	REFRIGERANT SUCTION PIPING
RETURN AIR DUCT UP/DOWN	CONDENSATE DRAIN PIPING
EXHAUST AIR DUCT UP/DOWN	CONDENSATE DRAIN PIPING
RETURN GRILLE	CONDENSATE DRAIN PIPING
EXHAUST GRILLE	CONDENSATE DRAIN PIPING
4-WAY FLOW SUPPLY DIFFUSER	CONDENSATE DRAIN PIPING
3-WAY FLOW SUPPLY DIFFUSER	CONDENSATE DRAIN PIPING
2-WAY FLOW SUPPLY DIFFUSER	CONDENSATE DRAIN PIPING
1-WAY FLOW SUPPLY DIFFUSER	CONDENSATE DRAIN PIPING
APPROX. DIRECTION	CONDENSATE DRAIN PIPING
ROUND DUCTWORK (INCHES)	CONDENSATE DRAIN PIPING
RECTANGULAR DUCTWORK (INCHES)	CONDENSATE DRAIN PIPING
ROUND FLEXIBLE DUCT	CONDENSATE DRAIN PIPING
SQUARE TO ROUND TRANSITION	CONDENSATE DRAIN PIPING
SINGLE LINE RIGID DUCT	CONDENSATE DRAIN PIPING
DOUBLE LINE RIGID DUCT	CONDENSATE DRAIN PIPING
DOUBLE LINE RIGID DUCT (ACOUSTICALLY LINED)	CONDENSATE DRAIN PIPING
EXISTING DUCTWORK	CONDENSATE DRAIN PIPING
FIRE DAMPER	CONDENSATE DRAIN PIPING
FRESH SMOKE DAMPER	CONDENSATE DRAIN PIPING
MOTORIZED DAMPER (OPPOSED BLADE TYPE)	CONDENSATE DRAIN PIPING
BACKDRIFT DAMPER	CONDENSATE DRAIN PIPING
MANUAL VOLUME DAMPER	CONDENSATE DRAIN PIPING
REMOTE VOLUME DAMPER	CONDENSATE DRAIN PIPING
SMOKE DETECTOR	CONDENSATE DRAIN PIPING
THERMOSTAT	CONDENSATE DRAIN PIPING
HUMIDISTAT	CONDENSATE DRAIN PIPING
SENSOR	CONDENSATE DRAIN PIPING
CARBON DIOXIDE SENSOR	CONDENSATE DRAIN PIPING
CARBON MONOXIDE SENSOR	CONDENSATE DRAIN PIPING
DOOR UNDERCUT	CONDENSATE DRAIN PIPING
FLOW SWITCH	CONDENSATE DRAIN PIPING

### MECHANICAL - DRAWING INDEX

SHEET NUMBER	SHEET NAME	05/03/18 - BID PACKAGE 05	05/24/18 - BID PACKAGE 06	07/27/18 - ADDENDUM 15	07/27/18 - ADDENDUM 16	07/27/18 - ADDENDUM 17	MM.DD.YYYY
M0.1	MECHANICAL ABBREVIATIONS AND SYMBOLS LIST	X	X	X	X	X	
M0.2	MECHANICAL SPECIFICATIONS	X	X	X	X	X	
M0.3	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.4	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.5	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.6	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.7	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.8	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.9	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.10	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.11	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.12	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.13	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.14	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.15	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.16	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.17	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.18	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.19	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.20	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.21	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.22	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.23	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.24	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.25	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.26	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.27	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.28	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.29	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.30	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.31	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.32	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.33	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.34	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.35	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.36	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.37	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.38	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.39	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.40	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.41	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.42	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.43	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.44	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.45	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.46	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.47	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.48	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.49	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.50	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.51	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.52	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.53	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.54	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.55	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.56	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.57	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.58	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.59	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.60	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.61	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.62	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.63	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.64	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.65	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.66	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.67	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.68	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.69	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.70	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.71	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.72	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.73	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.74	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.75	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.76	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.77	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.78	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.79	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.80	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.81	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.82	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.83	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.84	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.85	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.86	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.87	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.88	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.89	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.90	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.91	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.92	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.93	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.94	MECHANICAL SCHEDULES	X	X	X	X	X	
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M0.97	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.98	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.99	MECHANICAL SCHEDULES	X	X	X	X	X	
M0.100	MECHANICAL SCHEDULES	X	X	X	X	X	







CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT NO: BID PACKAGE 05

DATE	06/03/18
REVISED	17-06
DESCRIPTION	M.O.5
MECHANICAL SCHEDULES	

### 4-PIPE FAN COIL UNIT SCHEDULE

MARK	MANUFACTURER MODEL	SERVICE	SUPPLY AIR CFM (H/W)	ESP (INWG)	HP	TOTAL MBH	SENSIBLE MBH	COOLING COIL					HEATING COIL					ELECTRICAL	OPERATING WEIGHT (LBS)	REMARKS
								EAT (MB)	LA (LBS)	LS (LBS)	LT (LBS)	NO. ROWS	NO. ROWS	EAT (MB)	LA (LBS)	LS (LBS)	LT (LBS)			
01	PRZE S01A	SOUTH LOBBY	1000	0	0.5	49.3	38.1	80	67	52	2.8	42	58	2	10	483760	2.1	5	500	1.2,1.4,5,6
02	PRZE S01B	NORTH LOBBY	1000	0	0.5	49.3	38.1	80	67	52	2.8	42	58	2	10	483760	2.1	5	500	1.2,1.4,5,6
03	PRZE S01C	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
04	PRZE S01D	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
05	PRZE S01E	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
06	PRZE S01F	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
07	PRZE S01G	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
08	PRZE S01H	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
09	PRZE S01I	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
10	PRZE S01J	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
11	PRZE S01K	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
12	PRZE S01L	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
13	PRZE S01M	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
14	PRZE S01N	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
15	PRZE S01O	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
16	PRZE S01P	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
17	PRZE S01Q	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
18	PRZE S01R	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
19	PRZE S01S	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
20	PRZE S01T	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
21	PRZE S01U	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
22	PRZE S01V	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
23	PRZE S01W	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
24	PRZE S01X	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
25	PRZE S01Y	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	
26	PRZE S01Z	RESTROOMS	200	0	0.1	9.8	7.5	16	14	11	0.6	0.8	1	2	96760	0.4	1	100	1.2,1.4,5,6	

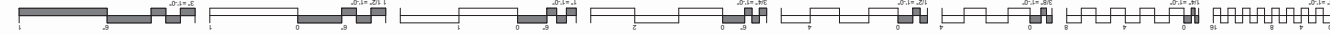
### COMPUTER ROOM AIR CONDITIONING UNIT SCHEDULE

MARK	MANUFACTURER MODEL	LOCATION	SERVICES	CFM	ESP (IN)	RPM	HP	TOTAL MBH	RECONDENSED COIL					DIS COOLING					ELECTRICAL	OPERATING WEIGHT (LBS)	REMARKS		
									BEHS MBH	EAT (T/HR)	GPM	OUTDOOR (UNIT)	TOTAL MBH	BEHS MBH	EAT (T/HR)	CONDENSATE (GAL)	CONDENSATE (GAL)	CONDENSATE (GAL)				CONDENSATE (GAL)	CONDENSATE (GAL)
01	LIBERT D0300DF	MEP	0	800	0.8	2	1.4	13.4	9.71	7.5	6.5	3.4	19.4	17.3	7.5	6.5	22	40030	5.1	6.4	7.5	200	1.2,1.4,4.4,5.4,7.4,8.4,10.4,11.4
02	LIBERT M0300DF	MEP	0	376	0.5	1	2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	40030	2.0	3.0	3.0	70	1.2,1.4,4.4,5.4,7.4,8.4,10.4,11.4
03	LIBERT M0300DF	BALCONY DF	0	200	0.5	1	1.0	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	40030	2.0	2.8	2.8	50	1.2,1.4,4.4,5.4,7.4,8.4,10.4,11.4

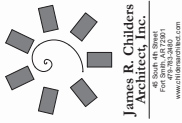
MARK	MANUFACTURER MODEL	INDOOR UNIT	LOCATION	CAPACITY (TONS)	CONDENSER FANS NO.	FLA	RPM	MM	MAX	ELECTRICAL	OPERATING WEIGHT (LBS)	REMARKS	
													CONDENSER FANS NO.
01	LIBERT M0300DF	MEP	ROOF	35	2	5.6	-	-	95	40030	6.3	15	1.2,1.4,5,6
02	LIBERT M0300DF	MEP	ROOF	5	1	11.7	-	-	95	40030	14.2	20	1.2,1.4,5,6
03	LIBERT M0300DF	MEP	ROOF	3	1	8.1	-	-	95	40030	9.7	15	1.2,1.4,5,6
04	LIBERT M0300DF	MEP	ROOF	5	1	11.7	-	-	95	40030	14.2	20	1.2,1.4,5,6

MARK	MANUFACTURER MODEL	LOCATION	TYPE	CAPACITY (TONS)	AIR (CFM)	EAT (DB)	LAT	HP (HP)	RPM	VPHHZ	GPM	LWT (LBS)	PD (FT)	REMARKS
01	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
02	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
03	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
04	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
05	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2

MARK	MANUFACTURER MODEL	LOCATION	TYPE	CAPACITY (TONS)	AIR (CFM)	EAT (DB)	LAT	HP (HP)	RPM	VPHHZ	GPM	LWT (LBS)	PD (FT)	REMARKS
01	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
02	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
03	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
04	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2
05	REZOR WS	LOADING DOCK	VERTICAL	50.0	1250	80.0	84.4	0.15	1600	1207160	3.0	140	100	1.2



1. PROVIDE REFRIGERANT LINES SIZED PER MANUFACTURER'S RECOMMENDATIONS.  
 2. PROVIDE CLEARANCE AROUND UNIT PER MANUFACTURER'S RECOMMENDATIONS.  
 3. PROVIDE FLOOR AND ANCHORAGE SLOPE OF REFRIGERANT PIPING FOR OIL RETURN.  
 4. PROVIDE SAFETY CONTROLS.  
 5. PROVIDE TRIP IN REFRIGERANT ISOLATION LINES AS REQUIRED TO MEET REQUIREMENTS.  
 6. PROVIDE PRELIMINARY EFFICIENT MOTOR REQUIREMENTS.  
 7. PROVIDE SAEJ T/C CONTROL LINE TO PROVIDE WITH CONTROLS CONTRACTOR.  
 8. PROVIDE PRELIMINARY EFFICIENT MOTOR REQUIREMENTS.  
 9. PROVIDE CONDENSATE PUMP.  
 10. PROVIDE HEATER FOR REFRIGERANT ISOLATION LINES AS REQUIRED TO MEET REQUIREMENTS.  
 11. PROVIDE LOW AMBIENT FIT FOR UNIT OPERATION DOWN TO 29°F.  
 12. PROVIDE GAS INTERFACE INCHET PRO TOCOL.



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**CHEROKEE NATION ENTERTAINMENT**  
**TAHLEQUAH CASINO**  
TAHLEQUAH, OKLAHOMA

PROJECT PRICE	BID PACKAGE 05
DATE	06/03/18
REVISED	17:06
PROJECT NO.	MO.7
MECHANICAL SCHEDULES	

**MAU-1 TERMINAL BOX SCHEDULE**

MARK	MANUFACTURER MODEL	MAX. AIR FLOW (CFM)	INLET DIA. (IN)	VAV AIR PRESSURE (IN W.G.)	DISCHARGE			REHEAT COIL HEATING WATER			REMARKS	
					NC RATING @ 1" SP	MBH	CFM	CFM	CFM	CFM		CFM
REV 1	TILOS DS3V16	500	16	-	-	-	-	-	-	-	-	1
REV 2	TILOS DS3V12	2000	14	-	-	-	-	-	-	-	-	1
REV 3	TILOS DS3V14	1000	12	-	-	-	-	-	-	-	-	1
REV 4	TILOS DS3V14	200	14	-	-	-	-	-	-	-	-	1
REV 5	TILOS DS3V12	100	12	-	-	-	-	-	-	-	-	1

1. INLET SIZE SHALL BE AS SCHEDULED UNLESS NOTED OTHERWISE.

**KITCHEN EXHAUST FAN SCHEDULE**

MARK	MANUFACTURER MODEL	LOCATION	SERVICE	TYPE	FAN CFM (IN W.G.)	RPM	BHP	HP	FLA	V/PH/Hz	OPERATING WEIGHT (LBS)	REMARKS
REV 1	GREENHECK CBE20NP-3	ROOF	BAKERY	UPRAJST CENTRIFUGAL	3300	175	132	1.8	4.8	400/300	250	1,2,3,4,5
REV 2	GREENHECK CBE24NP-5	ROOF	BAKERY	UPRAJST CENTRIFUGAL	4000	175	112	-	5	400/300	300	1,2,3,4,5
REV 3	GREENHECK CBE30NP-5	ROOF	FREEDRINK KITCHEN	UPRAJST CENTRIFUGAL	4450	200	116	-	3.5	400/300	500	1,2,3,4,5
REV 4	GREENHECK CBE30NP-3	ROOF	FREEDRINK KITCHEN	UPRAJST CENTRIFUGAL	4300	175	110	2.5	3	400/300	300	1,2,3,4,5
REV 5	GREENHECK CBE30NP-5	ROOF	FREEDRINK KITCHEN	UPRAJST CENTRIFUGAL	5500	200	170	2.6	5	400/300	300	1,2,3,4,5

1. INLET SIZE SHALL BE AS SCHEDULED UNLESS NOTED OTHERWISE.

2. PROVIDE MICRO SWITCH AND CONTROL PANEL FOR AUTO ON/OFF OPERATION.

3. PROVIDE WALL MOUNTING BRACKET.

4. UL 782 RATING.

5. PROVIDE GREASE TRAP WITH ABSORBENT MATERIAL.

6. PROVIDE DISCONNECT SWITCH.

**EXHAUST FAN SCHEDULE**

MARK	MANUFACTURER MODEL	LOCATION	SERVICE	TYPE	FAN CFM (IN W.G.)	ESP (IN W.G.)	RPM	BHP	HP	FLA	V/PH/Hz	OPERATING WEIGHT (LBS)	REMARKS
REV 1	GREENHECK GB-813	ROOF	RESTROOMS	CENTRIFUGAL	700	0.75	130	1.02	1.72	3	400/300	200	1,2,3,4
REV 2	GREENHECK GB-813	ROOF	RESTROOMS	CENTRIFUGAL	700	0.5	110	0.15	0.1	7.2	115/90	90	1,2,3,4
REV 3	GREENHECK GB-813	ROOF	RESTROOMS	CENTRIFUGAL	500	0.5	110	0.11	0.1	7.2	115/90	90	1,2,3,4
REV 4	GREENHECK GB-813	ROOF	RESTROOMS	CENTRIFUGAL	1000	0.5	110	0.23	10	9.8	115/90	90	1,2,3,4
REV 5	GREENHECK GB-813	ROOF	RESTROOMS	CENTRIFUGAL	1300	0.5	110	0.26	12	9.8	115/90	90	1,2,3,4
REV 6	GREENHECK GB-813	ROOF	RESTROOMS	CENTRIFUGAL	800	0.5	130	0.18	10	9.8	115/90	90	1,2,3,4
REV 7	GREENHECK GB-800	CEILING	TOILET	CENTRIFUGAL	150	0.5	950	-	(172)	-	115/90	25	2,3,4

1. PROVIDE ROOF CURB.

2. PROVIDE MICRO SWITCH AND CONTROL PANEL FOR AUTO ON/OFF OPERATION.

3. PROVIDE DISCONNECT SWITCH.

4. PROVIDE BACKDRIFT DAMPER.

**AIR CURTAIN SCHEDULE**

MARK	MANUFACTURER MODEL	LOCATION	LENGTH	NOZZLE	NOZZLE DIA.	NOZZLE SPACING	NOZZLE HEIGHT	HP	FLA	V/PH/Hz	OPERATING WEIGHT (LBS)	REMARKS
REV 1	MASS 4535	ENTRANCE	4' 0"	400	400	1750	1	2.0	400/300	60	1,2	

1. PROVIDE MICRO SWITCH AND CONTROL PANEL FOR AUTO ON/OFF OPERATION.

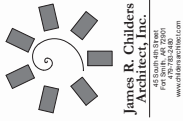
2. PROVIDE WALL MOUNTING BRACKET.

**AIR BALANCE SCHEDULE**

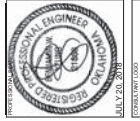
UNIT	KITCHEN			BUILDINGS		
	SUPPLY	RETURN	EXHAUST	SUPPLY	RETURN	EXHAUST
AHU-1	11000	11000	200	11000	11000	800
AHU-2	11000	11000	800	11000	11000	800
AHU-3	11000	11000	800	11000	11000	800
AHU-4	11000	11000	2317	11000	11000	2317
AHU-5	11000	11000	2317	11000	11000	2317
AHU-6	11000	11000	2317	11000	11000	2317
AHU-7	11000	11000	2317	11000	11000	2317
AHU-8	11000	11000	2317	11000	11000	2317
AHU-9	11000	11000	2317	11000	11000	2317
AHU-10	11000	11000	2317	11000	11000	2317
AHU-11	11000	11000	2317	11000	11000	2317
AHU-12	11000	11000	2317	11000	11000	2317
AHU-13	11000	11000	2317	11000	11000	2317
AHU-14	11000	11000	2317	11000	11000	2317
AHU-15	11000	11000	2317	11000	11000	2317
AHU-16	11000	11000	2317	11000	11000	2317
AHU-17	11000	11000	2317	11000	11000	2317
AHU-18	11000	11000	2317	11000	11000	2317
AHU-19	11000	11000	2317	11000	11000	2317
AHU-20	11000	11000	2317	11000	11000	2317
AHU-21	11000	11000	2317	11000	11000	2317
AHU-22	11000	11000	2317	11000	11000	2317
AHU-23	11000	11000	2317	11000	11000	2317
AHU-24	11000	11000	2317	11000	11000	2317
AHU-25	11000	11000	2317	11000	11000	2317
AHU-26	11000	11000	2317	11000	11000	2317
AHU-27	11000	11000	2317	11000	11000	2317
AHU-28	11000	11000	2317	11000	11000	2317
AHU-29	11000	11000	2317	11000	11000	2317
AHU-30	11000	11000	2317	11000	11000	2317
TOTAL	48300	21000	28133	33825	16800	102231

KITCHEN = SA - RA - EA = 5692 CFM  
BUILDING = SA - RA - EA = 42,367 CFM





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**CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA**

PROJECT FILE: **BID PACKAGE 05**

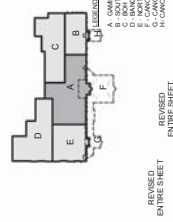
NO.	REVISION	DATE
1	ISSUE FOR BIDDING	07/20/2010
2	REVISED PER COMMENTS	07/20/2010
3	REVISED PER COMMENTS	07/20/2010
4	REVISED PER COMMENTS	07/20/2010

DATE: 06/03/18  
PROJECT NO: 17-06

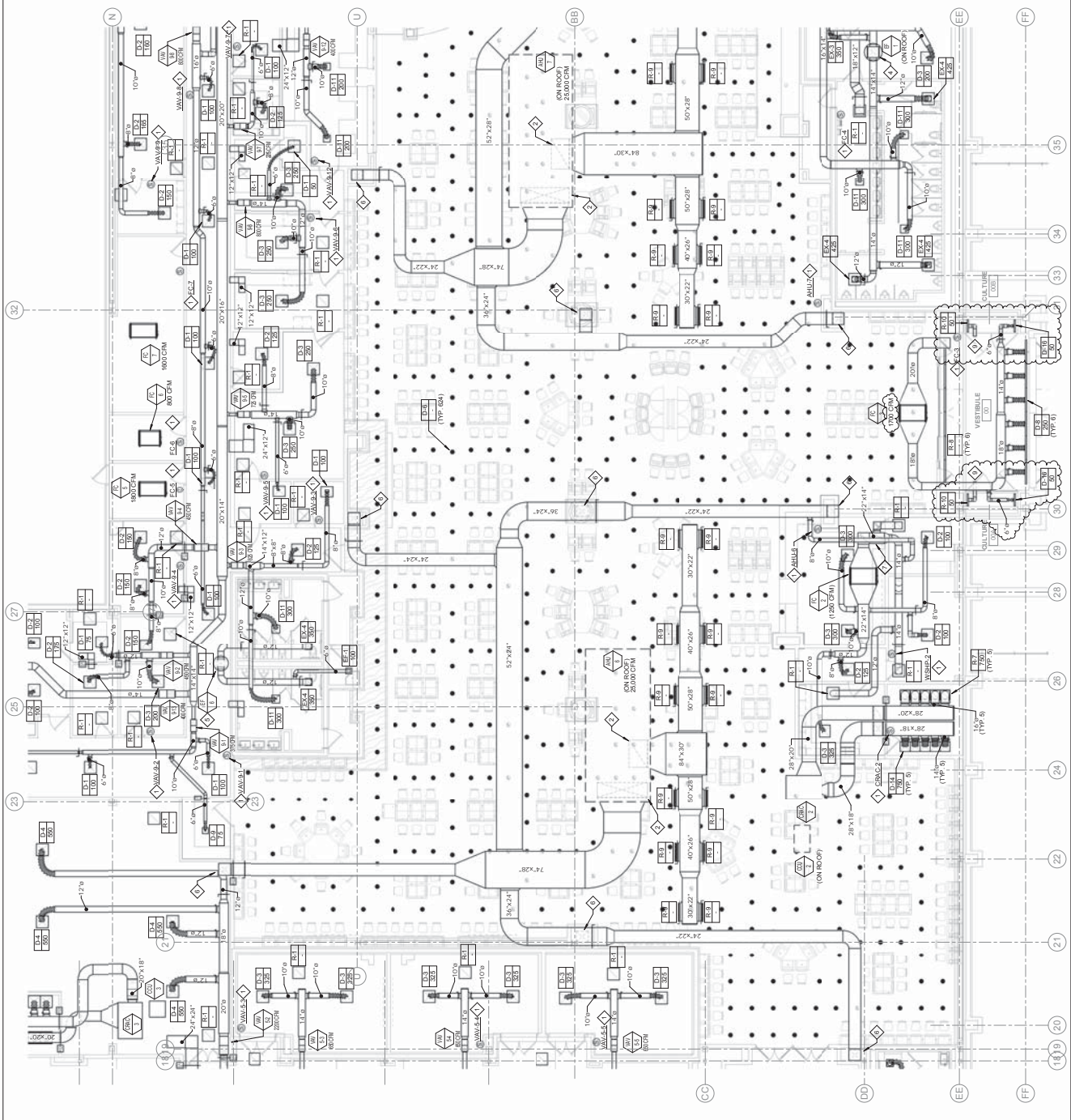
**M.1.1**  
**MECHANICAL ENLARGED FLOOR PLAN - GAMING**

- GENERAL NOTES:**
- ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE ROOFS. PROVIDE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
  - INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE MECHANICAL STANDARDS. PROVIDE LOCKING COVERS FOR T-SHAPED DAMPERS AND ACCESS DOORS WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
  - THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED HVAC EQUIPMENT AND DUCTWORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
  - NOT EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10' FROM ANY OUTSIDE AIR INTAKE. PROVIDE NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL MECHANICAL CODE (IMC).
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REFERRED TO IN THIS DRAWING.
  - THESE ENLARGED PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT REPRESENT A FINAL COMPARED TO THE BASE PLAN.

- SHEET NOTES:**
- PROVIDE SENSORS AND WIRING UP TO AIR HANDLING UNIT, FAN COIL UNIT, AND/OR VAV BOX AS INDICATED.
  - 7"X26" SUPPLY AIR, 4"X26" RETURN AIR UP TO AHU AND AHUZ
  - NOTE DELETED.
  - 24"X24" EXHAUST FAN UP TO E.L.
  - 14"X14" EXHAUST FAN UP TO E.L.
  - 24"X24" SUPPLY AIR DUCT DOWN TO RAISED FLOOR. TERMINATE 12" ABOVE FINISHED FLOOR.
  - 8"X8" OUTSIDE AIR DUCT (200 CFM).
  - 14"X14" OUTSIDE AIR DUCT (500 CFM).
  - 8"X8" RETURN AIR DUCT THROUGH WALL. TERMINATE WITH AIR SCREEN ABOVE CEILING.



REVISED ENTIRE SHEET  
REVISED ENTIRE SHEET



**MECHANICAL ENLARGED FLOOR PLAN - GAMING**  
1/8" = 1'-0"



NO.	DESCRIPTION	DATE
1	MECHANICAL FLOOR PLAN - SOUTH	11-06
2	MECHANICAL FLOOR PLAN - NORTH	11-06
3	MECHANICAL FLOOR PLAN - WEST	11-06
4	MECHANICAL FLOOR PLAN - EAST	11-06

PROJECT NO. M1.2

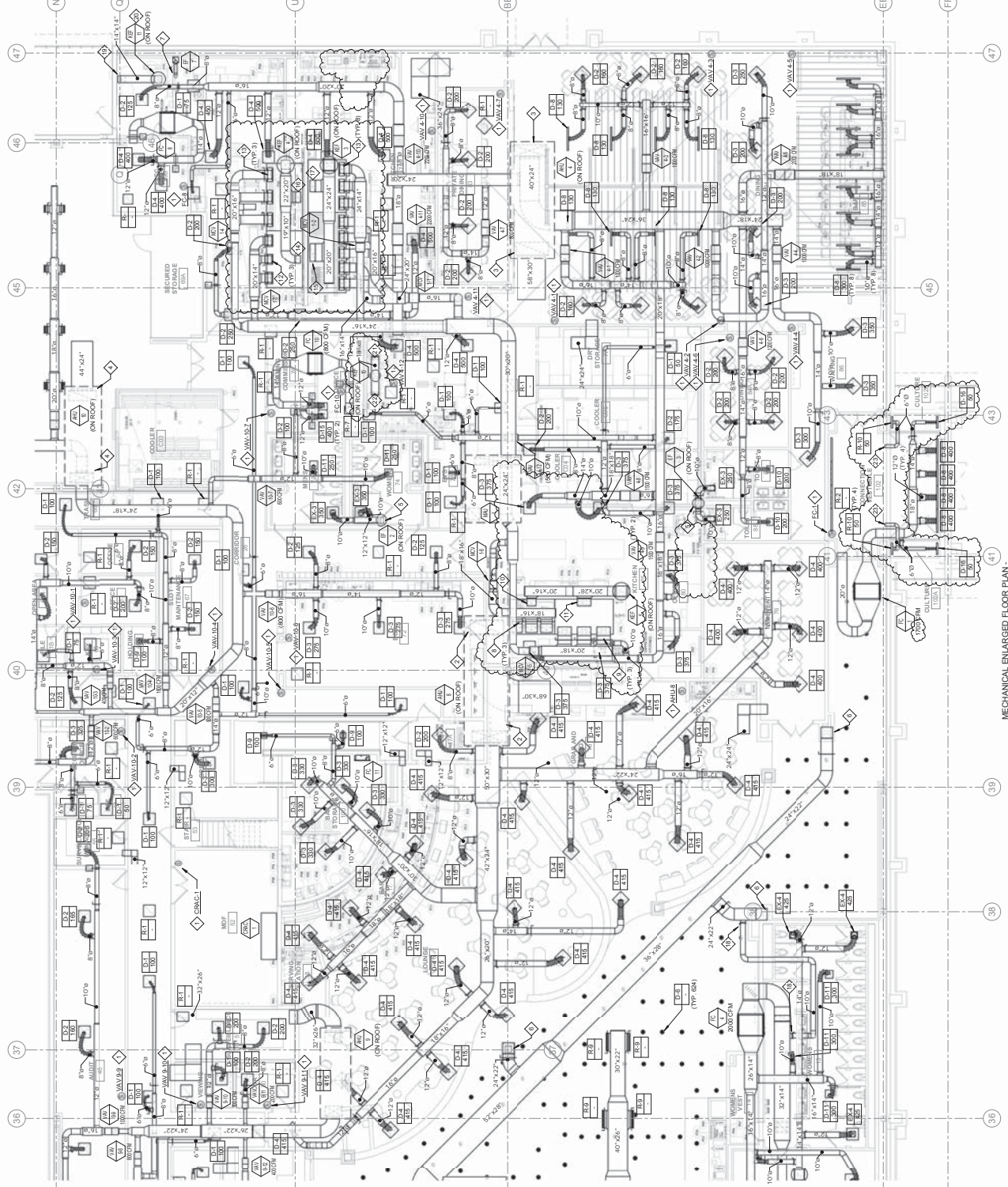
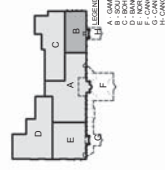
MECHANICAL FLOOR PLAN - SOUTH

### GENERAL NOTES:

- 1. ACCESSIBLE CEILING FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. COORDINATE WITH ARCHITECT. ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
- 2. ASSIGN PIPING TO INSTALLED. MONITOR WITH THERMISTATS B.W.P.F. IN ACCORDANCE WITH 1997 ASHRAE 90.1 AND 2009 ASHRAE 90.1.
- 3. VERIFY AND COORDINATE FRAME AND BORDER TYPE, MATERIAL AND FINISH WITH ARCHITECTURAL CEILING CONTRACTOR PRIOR TO INSTALLATION.
- 4. THE MECHANICAL CONTRACTOR SHALL VERIFY THE FRAME MATERIALS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK. COORDINATE LOCATION AND ROUTING OF HANGERS, EQUIPMENT AND WORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
- 5. ALL WORK SHALL BE ACCORDING TO THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE AND LOCAL ORDINANCES.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK. CONSULT ARCHITECT FOR ANY SPECIAL GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

### SHEET NOTES:

- 1. PROVIDE SENSORS AND WIRING UP TO AIR HANDLING UNIT.
- 2. FAN COIL UNIT AND/OR VAV BOXES INDICATED.
- 3. 50% OF SUPPLY AIR, 87°/70° RETURN AIR UP TO GULLY.
- 4. 40% OF SUPPLY AIR, 87°/70° RETURN AIR UP TO GULLY.
- 5. 12% OF SUPPLY AIR, 87°/70° RETURN AIR UP TO GULLY.
- 6. 24% OF SUPPLY AIR DUCT DOWN TO BASED FLOOR. TERMINATE 12" ABOVE FINISHED FLOOR.
- 7. 8" EXHAUST UP THROUGH ROOF WITH APPROVED AIR CAP.
- 8. 24% OF MAKE-UP AIR DOWN TO HOOD.
- 9. 19% OF GREASE EXHAUST DOWN TO HOOD.
- 10. PROVIDE WITH MANUAL VOLUME DAMPER ON VERTICAL TRANSITION TO 24" X 12" AT HOOD CONNECTION.
- 11. 12% OF GREASE EXHAUST DOWN TO HOOD.
- 12. 18% MAKE-UP AIR DOWN TO HOOD.
- 13. 18% MAKE-UP AIR DOWN TO HOOD.
- 14. PROVIDE WITH MANUAL VOLUME DAMPER ON VERTICAL TRANSITION TO 24" X 12" AT HOOD CONNECTION.
- 15. 40% OF GREASE EXHAUST DUCT DOWN TO HOOD. PROVIDE WITH MANUAL VOLUME DAMPER.
- 16. 22% OF GREASE EXHAUST DUCT DOWN TO HOOD. PROVIDE WITH MANUAL VOLUME DAMPER.
- 17. PROVIDE WITH MANUAL VOLUME DAMPER.
- 18. 14% OF GREASE EXHAUST DUCT DOWN TO CHIMNEY (ITEM 4). REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
- 19. 14% OF GREASE EXHAUST DUCT DOWN TO CHIMNEY (ITEM 4). REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
- 20. 19% STAINLESS STEEL EXHAUST DUCT DOWN TO DISHWASHER (A.C. IF ABOVE FINISHED CEILING (ITEM 12)).
- 21. 19% STAINLESS STEEL EXHAUST DUCT DOWN TO DISHWASHER (A.C. IF ABOVE FINISHED CEILING (ITEM 12)).
- 22. 19% STAINLESS STEEL EXHAUST DUCT DOWN TO DISHWASHER (A.C. IF ABOVE FINISHED CEILING (ITEM 12)).
- 23. 19% STAINLESS STEEL EXHAUST DUCT DOWN TO DISHWASHER (A.C. IF ABOVE FINISHED CEILING (ITEM 12)).



MECHANICAL FLOOR PLAN - SOUTH  
1/16" = 1'-0"



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**CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO**

TAHLEQUAH, OKLAHOMA

PROJECT NAME:  
**BID PACKAGE 05**

1. MECHANICAL FLOOR PLAN
2. MECHANICAL FLOOR PLAN
3. MECHANICAL FLOOR PLAN
4. MECHANICAL FLOOR PLAN
5. MECHANICAL FLOOR PLAN
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12. MECHANICAL FLOOR PLAN
13. MECHANICAL FLOOR PLAN
14. MECHANICAL FLOOR PLAN
15. MECHANICAL FLOOR PLAN
16. MECHANICAL FLOOR PLAN
17. MECHANICAL FLOOR PLAN
18. MECHANICAL FLOOR PLAN
19. MECHANICAL FLOOR PLAN
20. MECHANICAL FLOOR PLAN
21. MECHANICAL FLOOR PLAN
22. MECHANICAL FLOOR PLAN
23. MECHANICAL FLOOR PLAN
24. MECHANICAL FLOOR PLAN
25. MECHANICAL FLOOR PLAN
26. MECHANICAL FLOOR PLAN
27. MECHANICAL FLOOR PLAN

DATE: 06/03/18  
DRAWING NO.: 17-06

**M1.4**

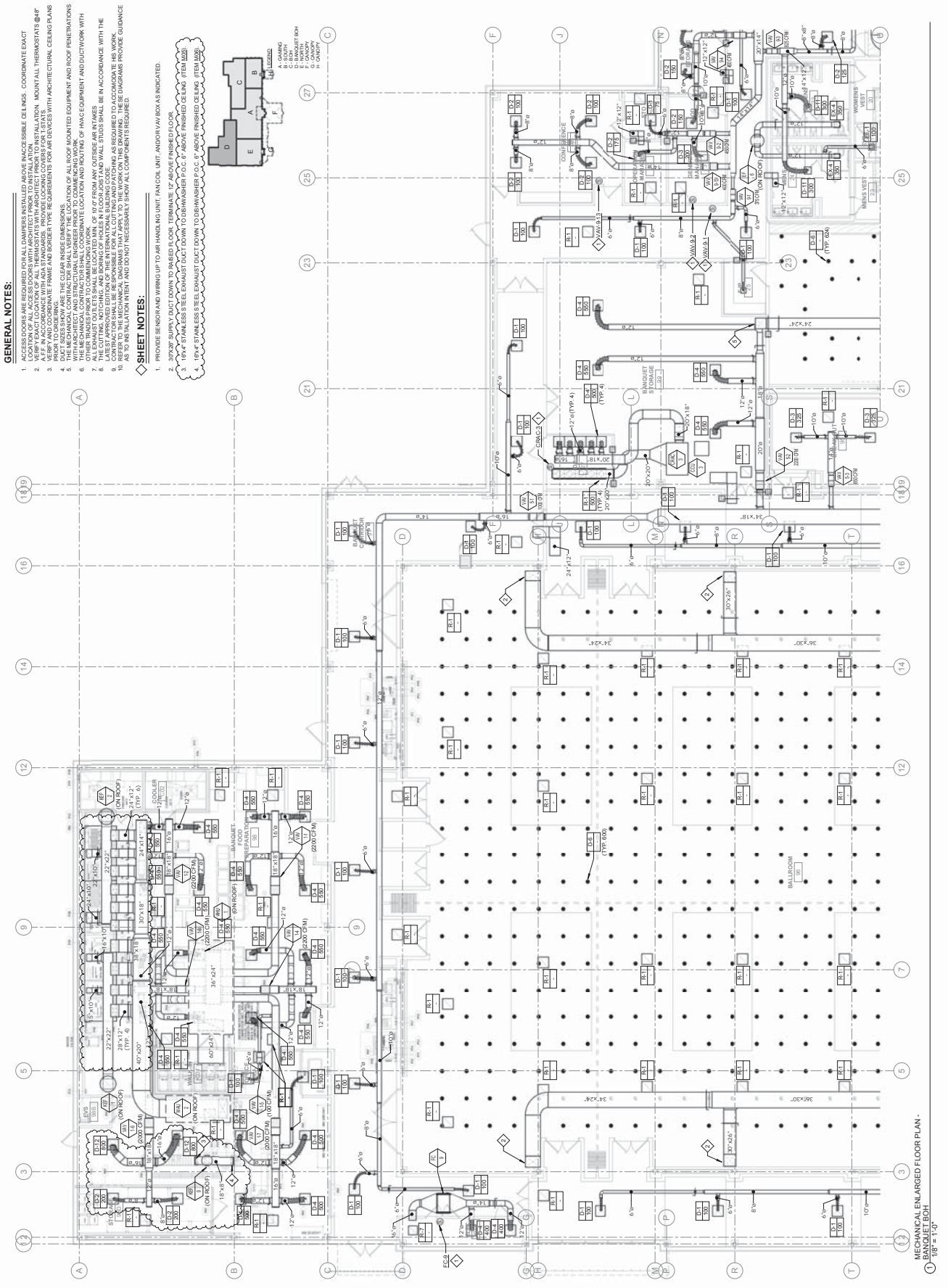
**MECHANICAL  
ENLARGED FLOOR PLAN - BANQUET ROOM**

**GENERAL NOTES:**

1. PROVIDE SENSORS AND WIRING UP TO AIR HANDLING UNIT, FAN COOL UNIT, AND/OR VAV BOX AS INDICATED.
2. VERIFY EXACT LOCATION OF ALL ACCESS FLOORS WITH ARCHITECT PRIOR TO INSTALLATION. MOUNT ALL THERMOSTATS @ 4'±
3. VERIFY AND COORDINATE FRAME AND EXPOSE TYPE REQUIREMENTS FOR AIR DEVICES WITH ARCHITECTURAL CEILING PLANS
4. DUCT SIZES SHOW ARE THE CLEAR INSIDE DIMENSIONS.
5. WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
6. OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL CUTTINGS, NOTINGS, AND REVISIONS UP TO 1/8" SHALL BE COORDINATED AND ALL WALL STATIONS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
8. REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THE SE DIAGRAMS PROVIDE GUIDANCE AS TO INSULATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

**SHEET NOTES:**

1. 300x24" SUPPLY DUCT DOWN TO BASED FLOOR. TERMINATE 12" ABOVE FINISHED FLOOR.
2. 18" x 6" FRANKS STEEL EXHAUST DUCT DOWN TO DISCHARGE TO EXTERIOR THROUGH ROOF PENETRATION.

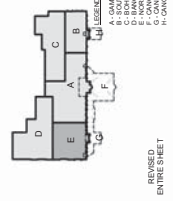
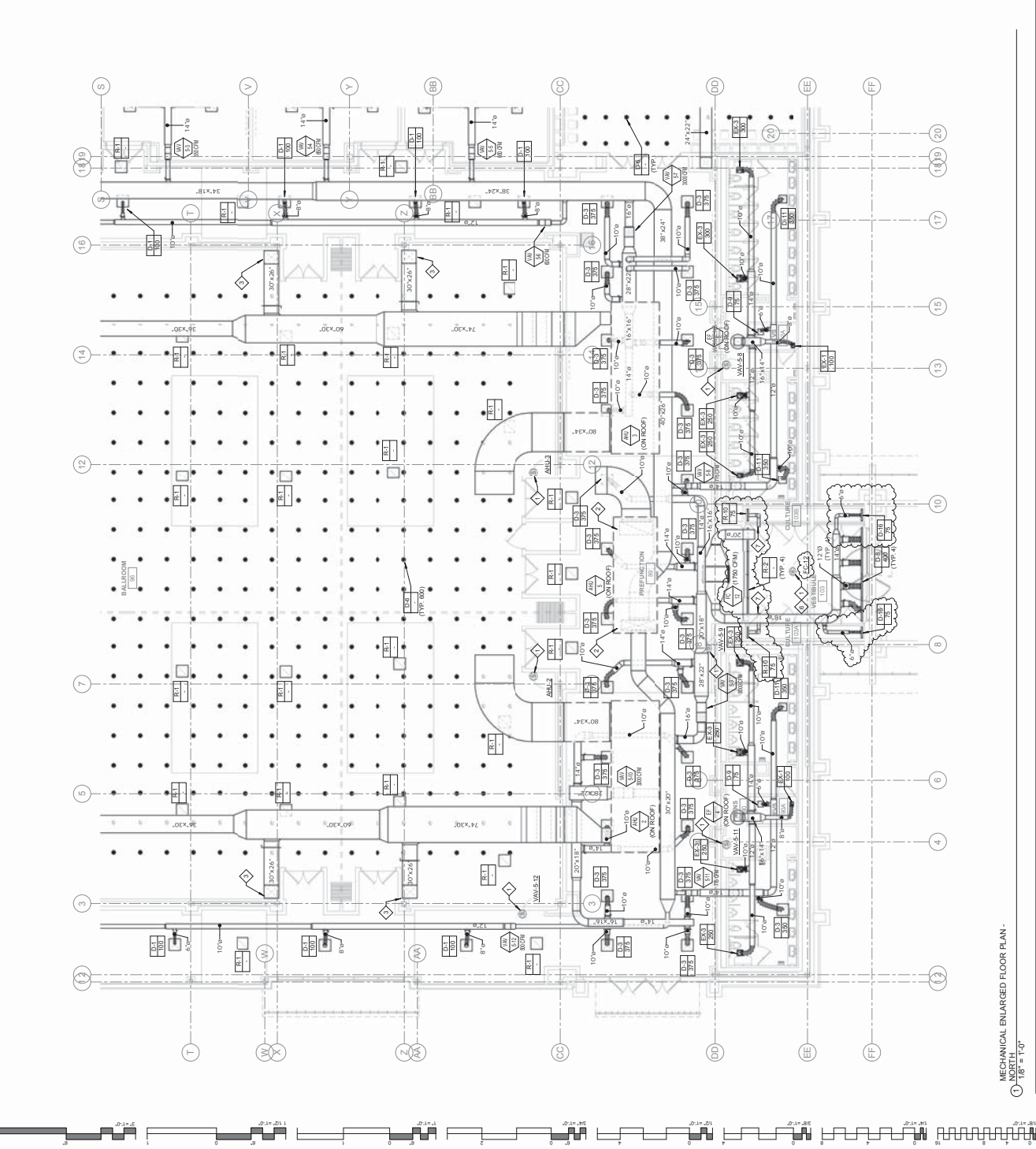


**MECHANICAL ENLARGED FLOOR PLAN -  
BANQUET ROOM**  
1/8" = 1'-0"

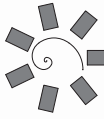


- GENERAL NOTES:**
1. PROVIDE SENSORS FOR ALL DAMPERS WITH CEILING. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO CONSTRUCTION. PROVIDE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO CONSTRUCTION. PROVIDE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO CONSTRUCTION.
  2. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  3. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  4. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10' FROM ANY OUTSIDE AIR INTAKE. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  5. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  6. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10' FROM ANY OUTSIDE AIR INTAKE. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  7. THE CUTTING, NOTCHING, AND BORING OF HOLES IN FLOOR, JOIST AND WALL STUDS SHALL BE ACCORDING TO THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  8. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10' FROM ANY OUTSIDE AIR INTAKE. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DUCT SIZES SHOWING THE CLEARANCE DIMENSIONS.
  9. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION WHEN AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

- SHEET NOTES:**
1. PROVIDE SENSORS AND WIRING UP TO AIR HANDLING UNIT, FAN COIL UNIT, AND/OR VAV BOX AS INDICATED.
  2. 12" O.D. SUPPLY AIR DUCT, 6" O.D. RETURN AIR DUCT UP TO 24" DIA.
  3. 12" O.D. SUPPLY AIR DUCT DOWN TO RAISED FLOOR. TERMINATE 12" ABOVE FINISHED FLOOR.
  4. ALL EXTERIOR DUCTWORK SHALL HAVE 2" INSULATION WITH JACKETS.
  5. FLOOR SUPPLY AIR DUCT DOWN TO RAISED FLOOR. TERMINATE 12" ABOVE FINISHED FLOOR.
  6. CEILING MOUNTED SENSORS.



MECHANICAL ENLARGED FLOOR PLAN - NORTH  
1/8" = 1'-0"



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CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO

PROJECT NAME: BID PACKAGE 05

NO.	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR BIDDING
2	05/03/18	ISSUED FOR BIDDING
3	05/03/18	ISSUED FOR BIDDING
4	05/03/18	ISSUED FOR BIDDING
5	05/03/18	ISSUED FOR BIDDING

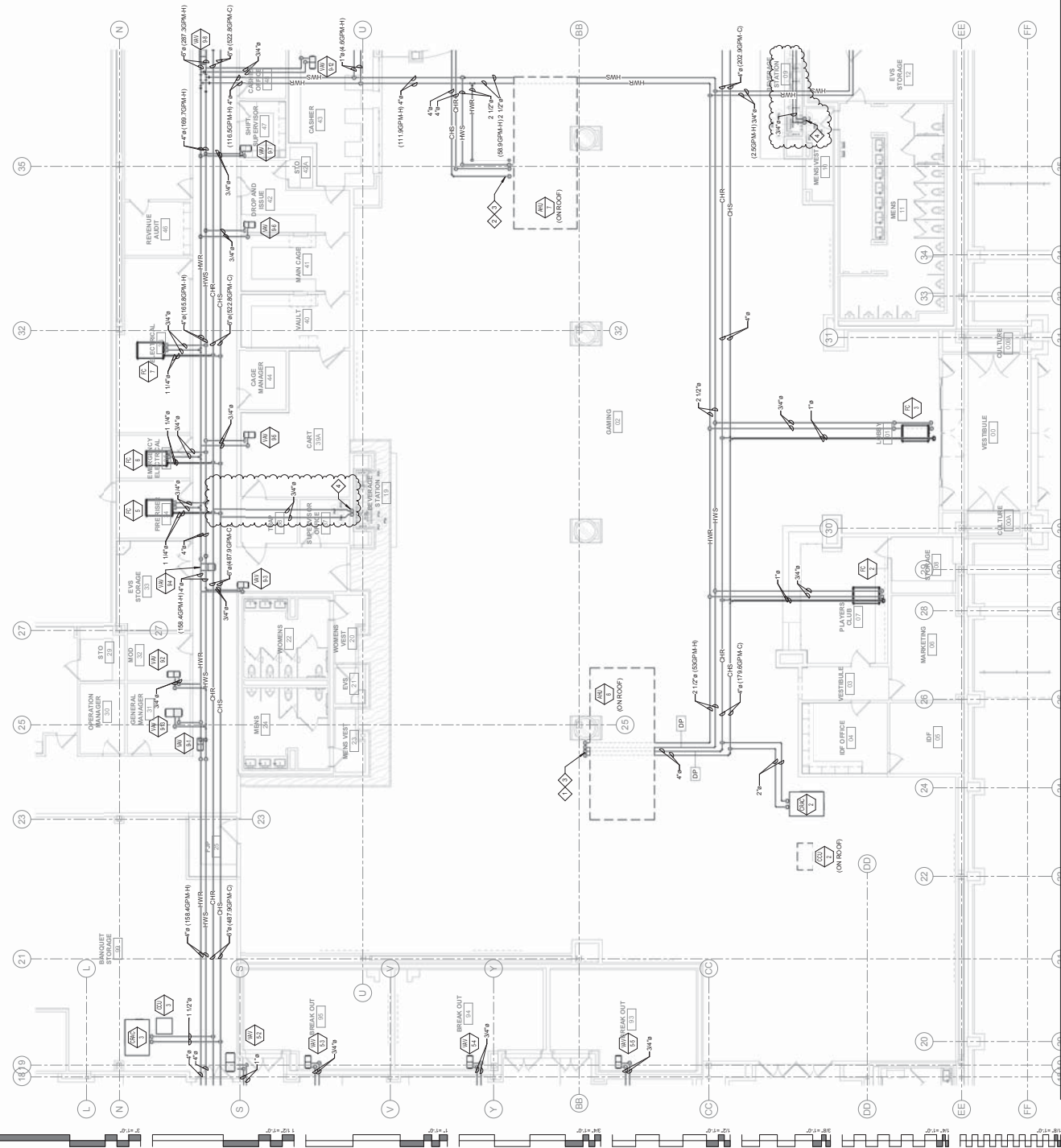
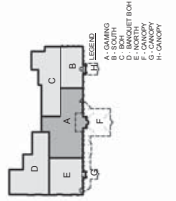
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M4.1

MECHANICAL PIPING  
ENLARGED FLOOR  
PLAN - GAMING

- GENERAL NOTES:**
1. VERIFY ALL MEASUREMENTS ON ALL WORK. VERIFY THE LOCATION OF ALL ROOF MOUNTED CEILING. COORDINATE THE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
  2. THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED CEILING. COORDINATE THE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO COMMENCING WORK.
  3. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOISTS AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
  4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE WORK.
  5. REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING FOR ALL MEASUREMENTS AND INSTALLATION WHEN APPLICABLE AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

- SHEET NOTES:**
1. 4" CHSCH8 & 2" HWHSWHP PIPING UP TO ASLS.
  2. 4" CHSCH8 & 2" HWHSWHP PIPING UP TO ASLS.
  3. PROVIDE 2-WAY VALVES.
  4. 3/4" CHSCH8 PIPING DOWN IN WALL TO ICE MAKER (ITEM 050502).



MECHANICAL ENLARGED FLOOR PLAN - GAMING





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CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT NAME: BID PACKAGE 05

NO.	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR BIDDING
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3	05/03/18	ISSUED FOR BIDDING
4	05/03/18	ISSUED FOR BIDDING

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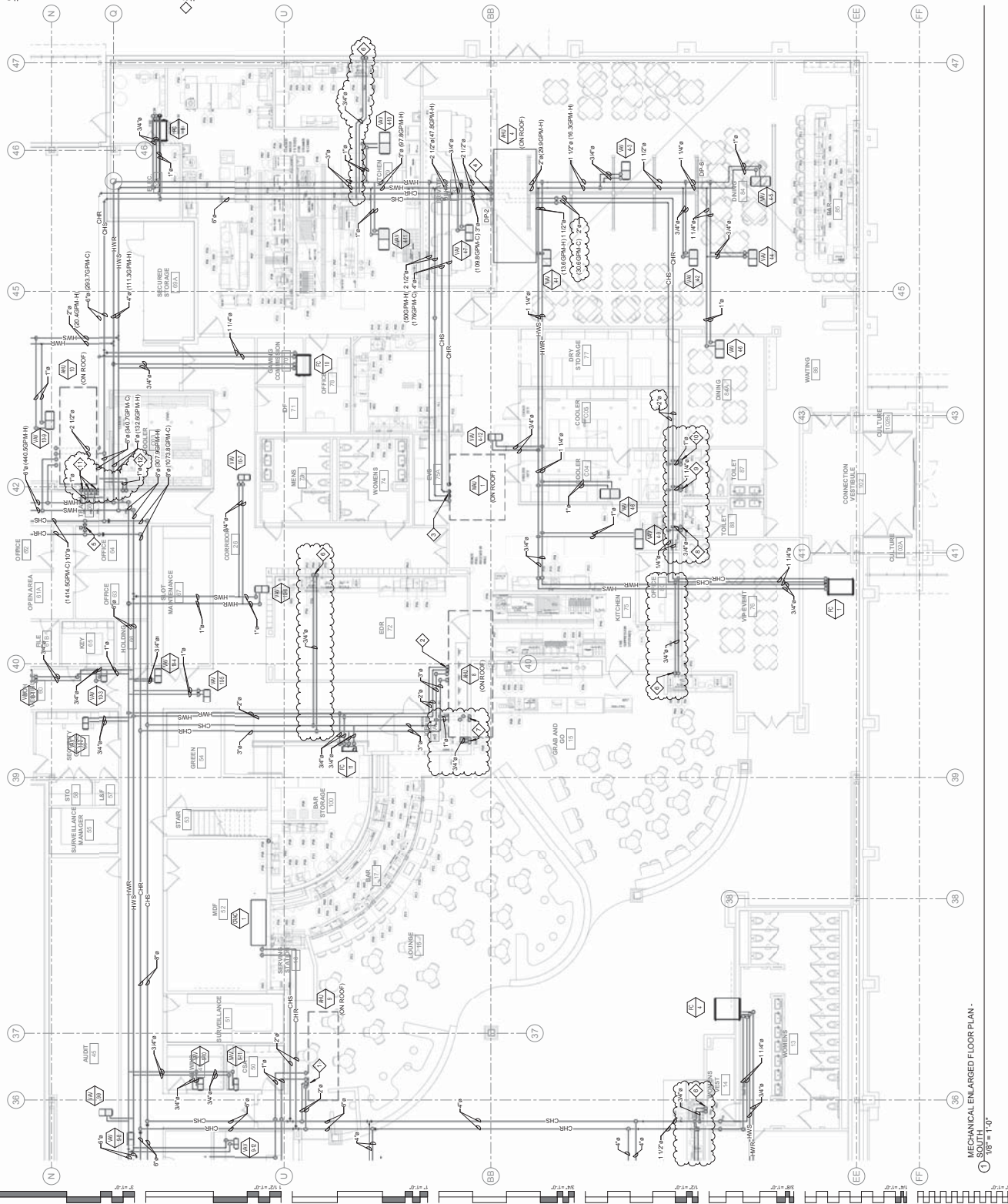
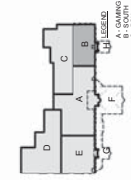
M4.2

MECHANICAL PIPING  
ENLARGED PLAN -  
SOUTH

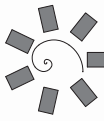
- GENERAL NOTES:**
- ACCESS DOORS ARE REQUIRED FOR ALL VALVES INSTALLED ABOVE ACCESSIBLE CEILING. COORDINATE EXACT ACCESS DOOR LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
  - THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL MECHANICAL EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
  - THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR, CEILING, WALLS, PARTITION WALLS, AND ROOF SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SETTING AND PILING AS REQUIRED TO ACCOMMODATE WORK.
  - REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE THE NECESSARY INFORMATION TO ACCOMMODATE WORK. NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

**SHEET NOTES:**

- 2" CHSCHR AND 1" HWSHWR PIPING UP TO RAULS
- 3" CHSCHR AND 2" HWSHWR PIPING UP TO RAULS
- 4" CHSCHR AND 1 1/2" HWSHWR PIPING UP TO WALL
- 4" CHSCHR AND 1 1/2" HWSHWR PIPING UP TO RAULS
- PROVIDE # 3 WALLS, 3" CONTROL VALVE
- 3/4" CHSCHR PIPING DOWN IN WALL TO ICE MAKER (ITEM 22422)
- 3/4" CHSCHR PIPING DOWN IN WALL TO ICE MAKER (ITEM 22423)
- 3/4" CHSCHR PIPING DOWN IN WALL TO ICE MAKER (ITEM 22424)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22425)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22426)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22427)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22428)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22429)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22430)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22431)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22432)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22433)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22434)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22435)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22436)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22437)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22438)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22439)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22440)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22441)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22442)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22443)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22444)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22445)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22446)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22447)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22448)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22449)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22450)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22451)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22452)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22453)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22454)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22455)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22456)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22457)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22458)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22459)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22460)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22461)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22462)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22463)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22464)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22465)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22466)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22467)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22468)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22469)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22470)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22471)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22472)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22473)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22474)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22475)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22476)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22477)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22478)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22479)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22480)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22481)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22482)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22483)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22484)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22485)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22486)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22487)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22488)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22489)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22490)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22491)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22492)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22493)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22494)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22495)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22496)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22497)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22498)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22499)
- 3/4" CHSCHR PIPING DOWN IN WALL TO WALK-IN FREEZER (ITEM 22500)



MECHANICAL ENLARGED FLOOR PLAN - SOUTH  
1/8" = 1'-0"



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**CHEROKEE NATION ENTERTAINMENT**  
**TAHLEQUAH CASINO**  
 TAHLEQUAH, OKLAHOMA

PROJECT NAME: **BID PACKAGE 05**

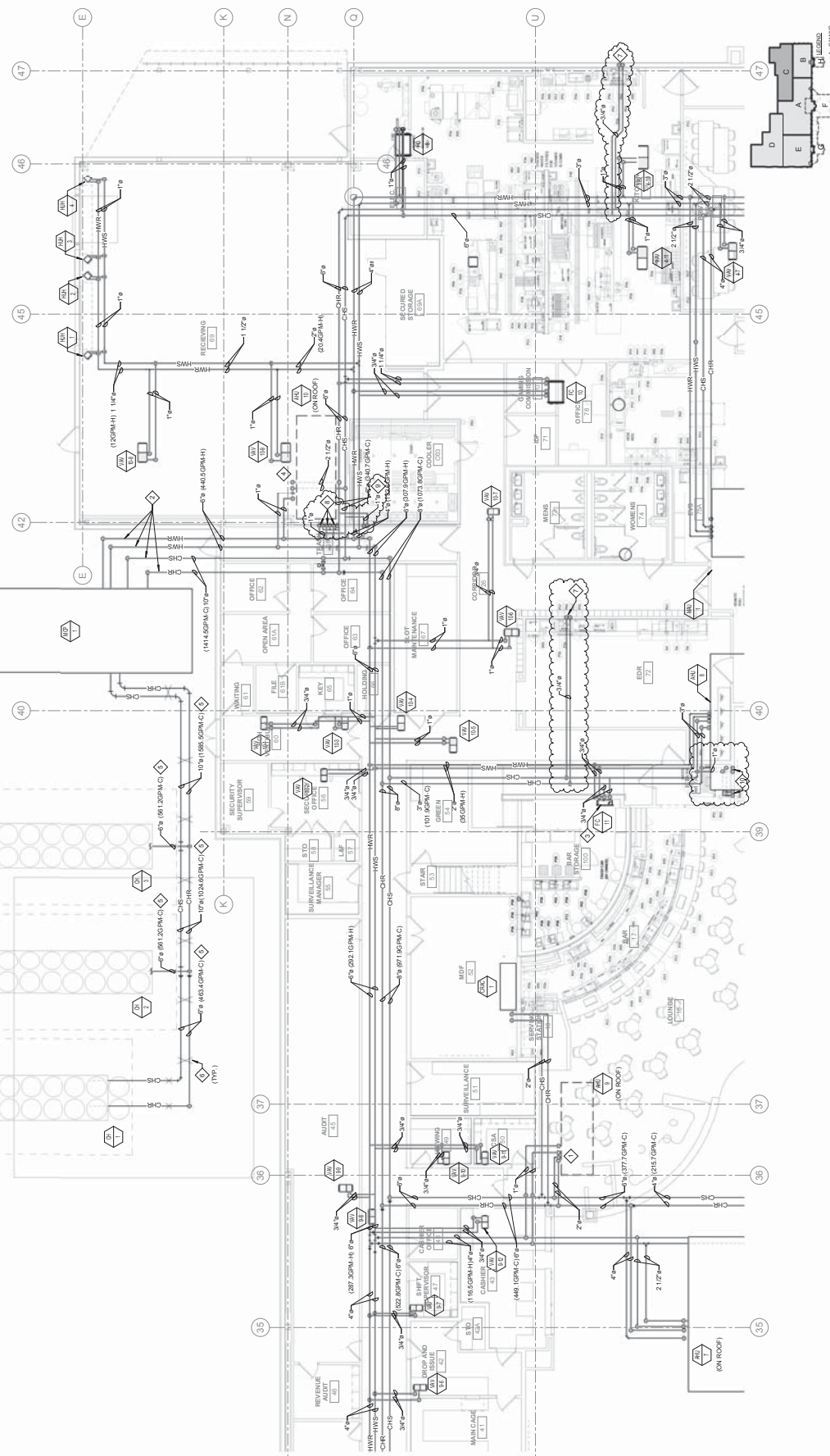
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3	05/03/18	ISSUE FOR BIDDING
4	05/03/18	ISSUE FOR BIDDING
5	05/03/18	ISSUE FOR BIDDING

DATE: **05/03/18**  
 TIME: **11:05**

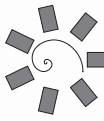
**M4.3**  
**MECHANICAL PIPING**  
**ENLARGED PLAN -**  
**BOH**

- GENERAL NOTES:**
- ACCESS DOORS ARE REQUIRED FOR ALL VALVES INSTALLED ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT.
  - THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
  - THE CUTTING, JACKING AND BRIMING OF OTHER EXISTING FLOOR JOISTS AND WALL STUDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE WORK.
  - THE SET DRAWINGS PROVIDE GUIDANCE AS TO THE INSTALLATION AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

- SHEET NOTES:**
- 2" CHRSR AND 2" HWSR PIPING UP TO 1 1/2" DIA.
  - ROUTE PIPING OVERHEAD. MECHANICAL CONTRACTOR TO PROVIDE SUPPORT AND BRACE FOR ALL PIPING.
  - 3" CHRSR AND 3" HWSR PIPING DOWN IN WALL TO FC IN AREA UNDER STAGE.
  - 3" CHRSR AND 3" HWSR PIPING DOWN IN WALL TO FC IN AREA UNDER STAGE.
  - PROVIDE 2" OF INSULATION IN WALL JACKET FOR ALL EXPOSED PIPING.
  - PROVIDE PORTABLE JACK SUPPORTS TO USE MAKER (ITEM 020324).
  - 3" CHRSR PIPING DOWN IN WALL TO REFR SYSTEM (ITEM 020324).
  - 3" CHRSR PIPING DOWN IN WALL TO REFR SYSTEM (ITEM 020324).
  - 3" CHRSR PIPING DOWN IN WALL TO REFR SYSTEM (ITEM 020324).
  - 3" CHRSR PIPING DOWN IN WALL TO REFR SYSTEM (ITEM 020324).
  - 3" CHRSR PIPING DOWN IN WALL TO REFR SYSTEM (ITEM 020324).



**MECHANICAL ENLARGED FLOOR PLAN -**  
**BOH**  
**1/8" = 1'-0"**



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CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

BID PACKAGE 05

1. GENERAL CONTRACTOR	
2. MECHANICAL CONTRACTOR	
3. ELECTRICAL CONTRACTOR	
4. PLUMBING CONTRACTOR	

DATE: 05/03/18  
PROJECT NO: 17-06

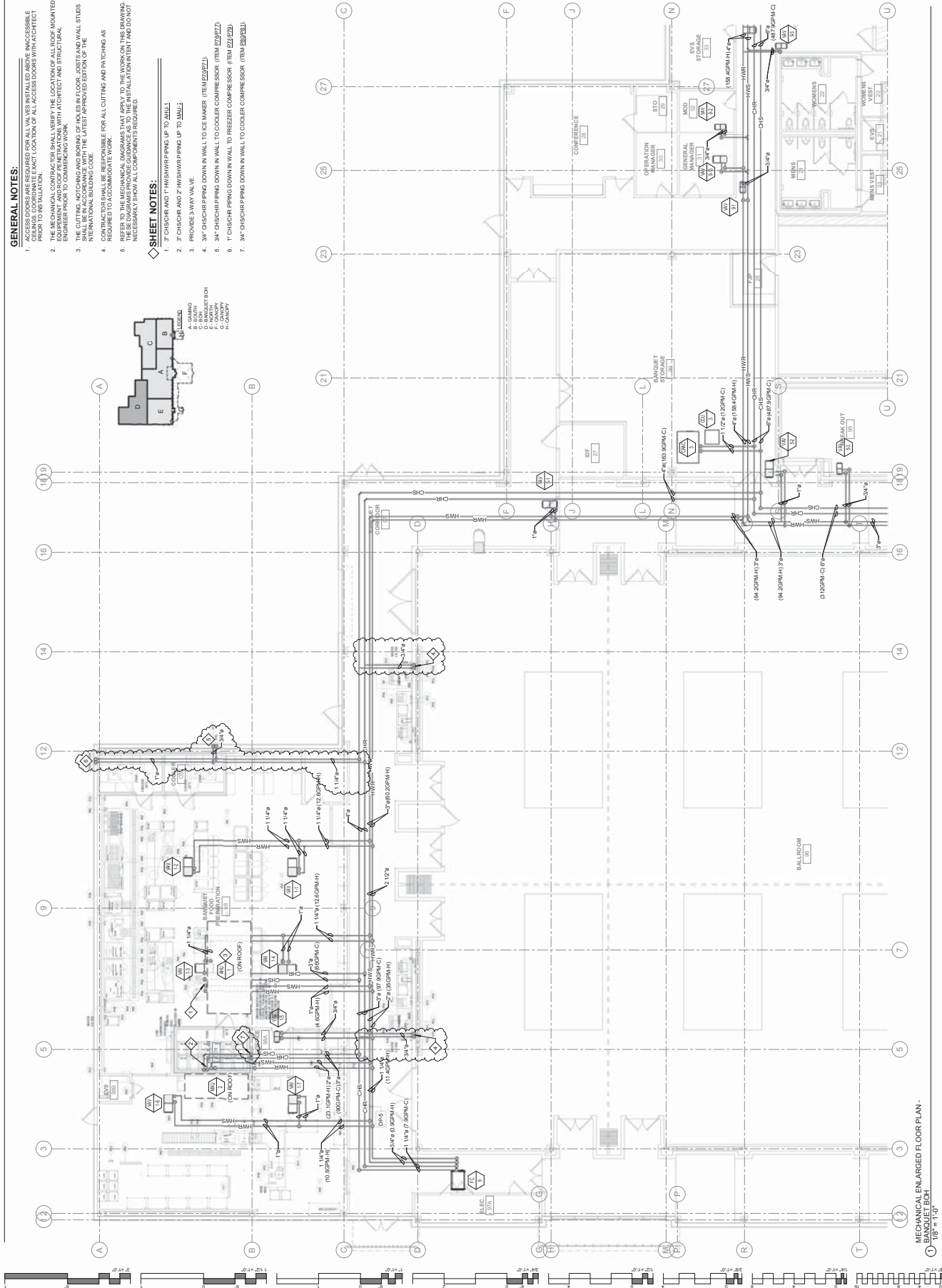
M4.4

MECHANICAL PIPING  
ELECTRICAL  
BANQUET BOH  
BANQUET BOH

- GENERAL NOTES:**
- ACCESS DOORS ARE REQUIRED FOR ALL VES INSTALLED ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT.
  - MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
  - THE CUTTING, JACKING AND BORING OF OTHER EXISTING FLOOR JOISTS AND WALL STUDS SHALL BE ACCORDANCE WITH THE LATEST APPLICABLE SECTION OF THE INTERNATIONAL BUILDING CODE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE WORK.
  - THESE DRAWINGS PROVIDE GUIDANCE AS TO THE INSTALLATION AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

**SHEET NOTES:**

- 3" CHS CRIP AND 2" HRS CRIP PIPING UP TO 24" LL.
- 3" CHS CRIP AND 2" HRS CRIP PIPING UP TO 24" LL.
- PROVIDE 3-WAY VALVE.
- 3/4" CHS CRIP PIPING DOWN IN WALL TO ICE MAKER (ITEM E220ZL).
- 3/4" CHS CRIP PIPING DOWN IN WALL TO COOLER COMPRESSOR (ITEM E220ZZ).
- 1" CHS CRIP PIPING DOWN IN WALL TO REFRIG COMPRESSOR (ITEM E220Z3).
- 3/4" CHS CRIP PIPING DOWN IN WALL TO COOLER COMPRESSOR (ITEM E220Z4).



MECHANICAL ENLARGED FLOOR PLAN -  
BANQUET BOH  
1/8" = 1'-0"





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CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT NAME: BID PACKAGE 05

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DATE: 05/03/18  
DRAWING NO.: 17-05

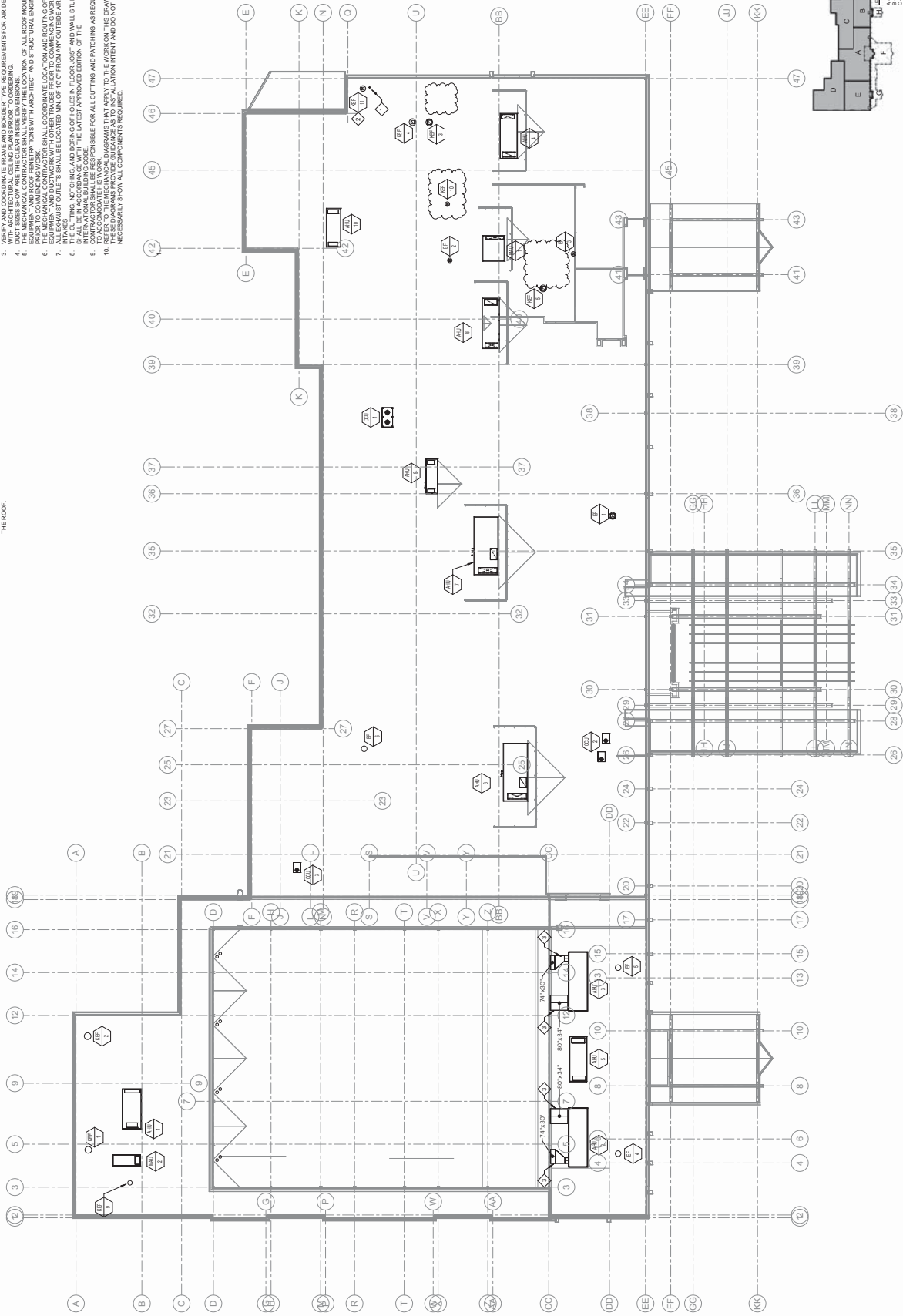
M6.1

MECHANICAL ROOF PLAN

- SHEET NOTES:**
- EXHAUST DUCT THROUGH ROOF TERMINATE ON ROOF WITH APPROVED ROOF CAP.
  - CREASE EXHAUST FAN SERVING SHAKES BELOW REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION AND SPECIFICATIONS.
  - PROVIDE Z OF INSULATION AND METAL JACKETING ON ALL EXPOSED DUCTWORK ON THE ROOF.

**GENERAL NOTES:**

- ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS INSTALLED ABOVE ACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT.
- VERIFY EXACT LOCATION OF ALL THERMIST IN ITS WITH ARCHITECT PRIOR TO STANDARD. PROVIDE LOCATIONS FOR TEST STAYS. ACCORDANCE WITH ASHRAE STANDARDS. PROVIDE LOCATIONS FOR TEST STAYS. ACCORDANCE WITH ASHRAE STANDARDS.
- WITH ARCHITECTURAL, CEILING AND FLOOR TO ORDERING.
- DUCT PENETRATIONS ARE TO BE CLEAR INSURE DIMENSIONED TO ACCOMMODATE LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC DUCTWORK WITH ARCHITECT AND STRUCTURAL ENGINEER.
- ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10' FROM ANY OUTSIDE AIR INTAKE.
- THE CUTTING, NOTCHING, AND BORING OF HOLES IN FLOOR, JOIST AND WALLS STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE MECHANICAL INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.



17-05-01  
M6.1 Mechanical Roof Plan  
11/20/2017