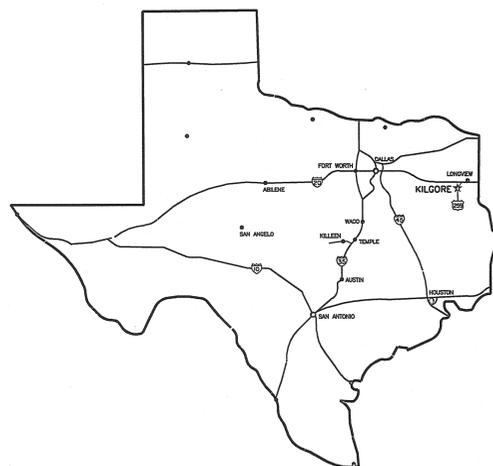


RENOVATION OF THE KILGORE COLLEGE RANGERETTE GYM

KILGORE, TEXAS

MARCH 29, 2001

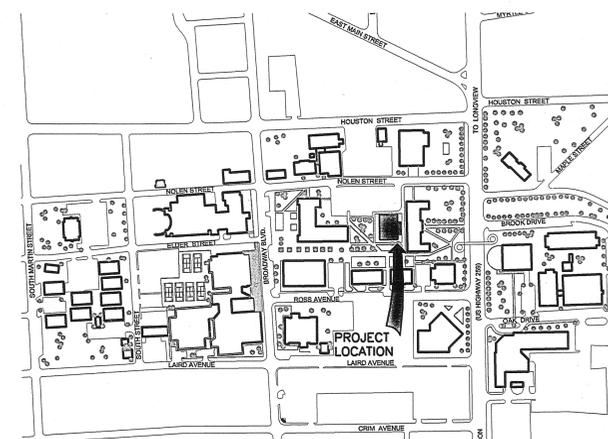


STATE MAP



SHEET INDEX

- | | |
|---------------|--|
| COVER | |
| ARCHITECTURAL | |
| A1 | ARCHITECTURAL SITE PLAN |
| A2 | GYM FLOOR PLAN |
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| A4 | LOUNGE DEMOLITION AND FLOOR PLANS |
| A5 | SECTIONS AND ELEVATIONS |
| A6 | T&S STANDARDS AND DOOR SCHEDULE |
| A7 | LOUNGE REFLECTED CEILING PLAN |
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| M0 | LEGEND AND ABBREVIATIONS |
| M1 | DEMOLITION UPPER AND LOWER LEVEL FLOOR PLANS |
| M2 | FLOOR PLAN- HVAC AND PLUMBING |
| M3 | SCHEDULES AND DETAILS |
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CAMPUS MAP





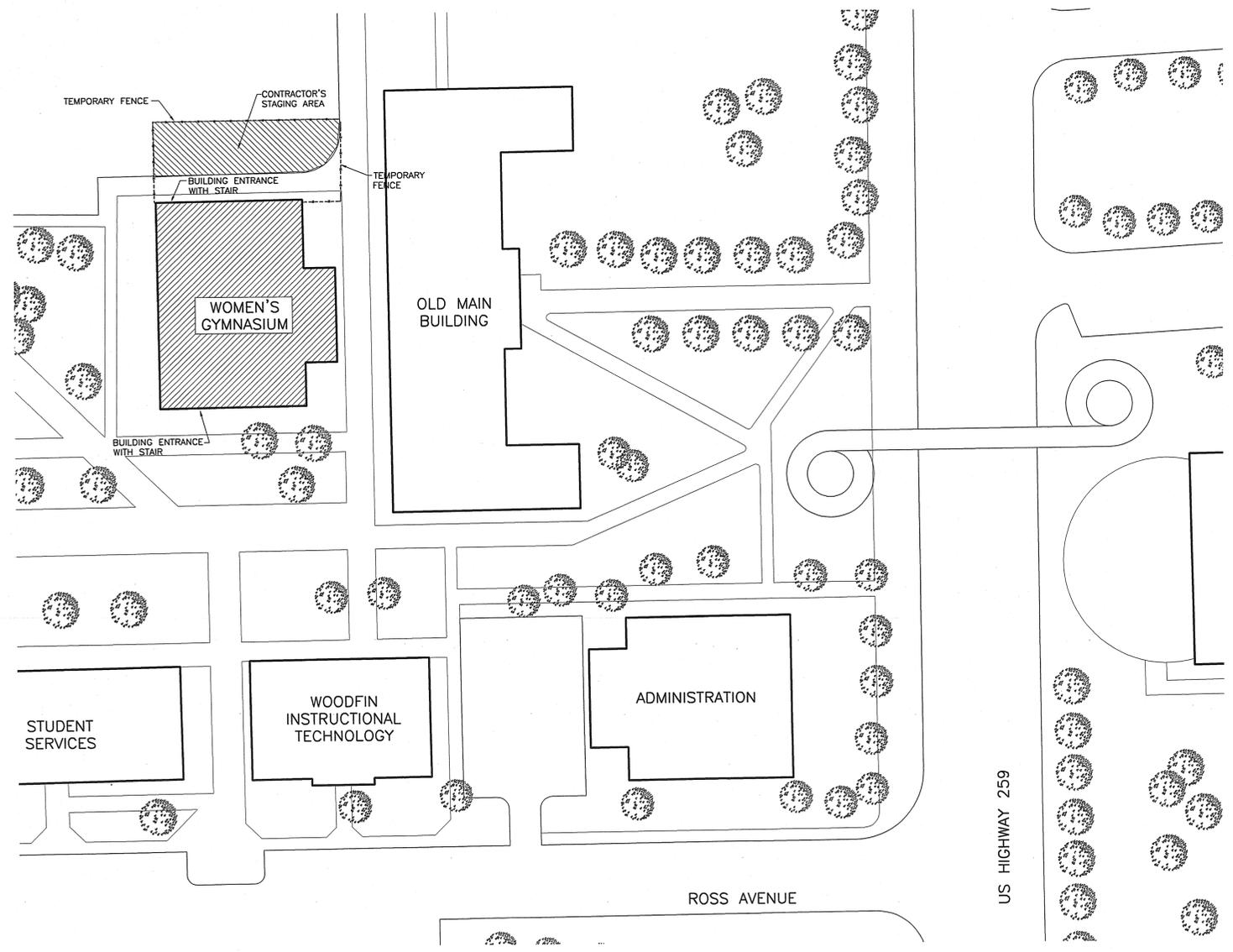
KILGORE COLLEGE RANGERETTE GYM
KILGORE, TEXAS

ARCHITECTURAL
SITE PLAN

NO.	REVISION	BY	DATE	PLAN JOB NO.	FILE	DATE	DESIGNED BY	REVISION	CHECKED
				KGCC00551	A1.DWG	03/29/01	NEL	NEL	
VERIFY SCALE: <input type="checkbox"/> Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.									
SHEET A1									
SEQ. 2 of 7A									

GENERAL NOTES

- CONTRACTOR SHALL RESTRICT VEHICULAR PARKING OF ALL CONSTRUCTION PERSONNEL TO THE STAGING AREA AS MUCH AS POSSIBLE.
- CONTRACTOR SHALL, AS MUCH AS POSSIBLE, RESTRICT BUILDING ACCESS AND EGRESS TO THE ONE ENTRANCE ON THE NORTH SIDE OF THE BUILDING AS INDICATED.





 ARCHITECTURAL SITE PLAN
 1"=30'

0 10' 20' 30' 60'
1"=30'

CAD: B4_15_01 (Architects Lock)
 User: NEL
 (KCC01143)\\N:\ARC\A10.DWG LTS: 1.00 PSLTS: 1
 MAR 11, 2001 10:15:44 A.M.
 3 REFERENCE FILES: N:\ARC\CAMPSMAP, N:\ARC\SEAL.GRD N:\STANDARD.BORDER



FREESE-NICHOLS
ARCHITECTURAL
Fort Worth, Texas 76104-4835
817-735-7300

KILGORE COLLEGE RANGERETTE GYM
KILGORE, TEXAS

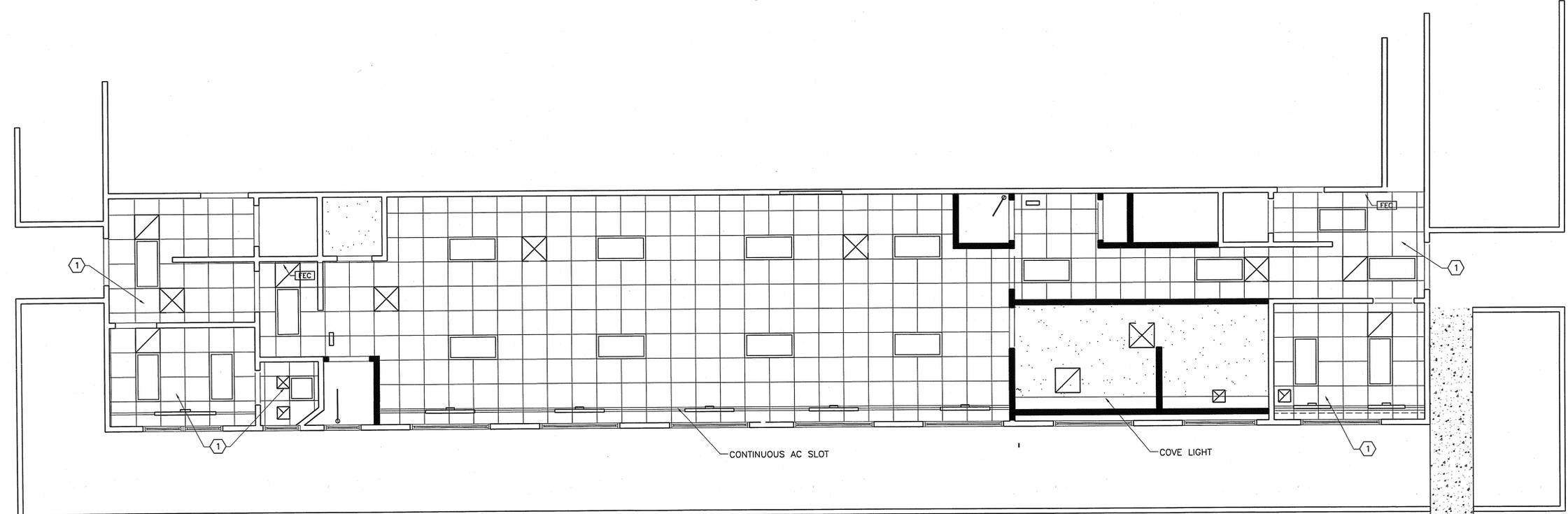
ARCHITECTURAL
LOUNGE REFLECTED CEILING PLAN

NOTES BY SYMBOL "1"

1. CEILING HEIGHT 9'-4" A.F.F.

GENERAL NOTES

1. CEILING HEIGHT 9'-0" A.F.F. UNLESS NOTED OTHERWISE



LOUNGE REFLECTED CEILING PLAN

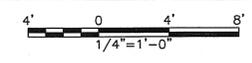


1
A7/A7

1/4"=1'-0"

LEGEND

-  SUSPENDED ACOUSTICAL TILE CEILING
-  SUSPENDED GYPSUM BOARD CEILING
-  2x4 FLUORESCENT
-  A/C SUPPLY GRILLE
-  RETURN
-  2x2 FLUORESCENT
-  EXHAUST FAN
-  AC SLOT



NO.	REVISION	BY	DATE	FILE	DATE	DESIGNED	DRAWN	REVIEWED	CHECKED
				A7.DWG	03/29/01	JWM	VLM		
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SHEET A7 SEQ. 7 of A7									

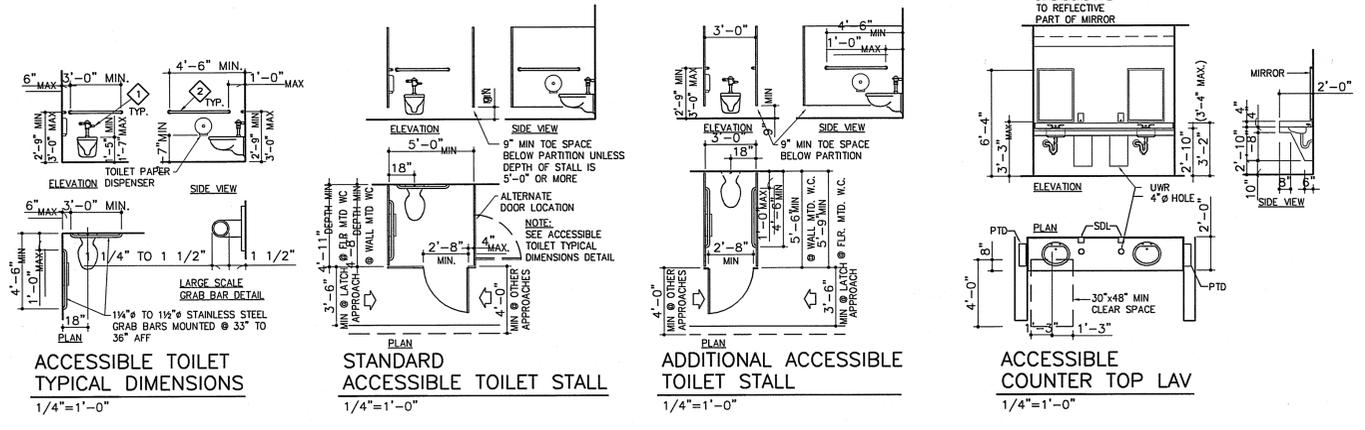
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 REFERENCE FILES: N:\ARC\BDRZ, N:\ARC\JMW, N:\ARC\LOUNGE\BASE, N:\ARC\LOUNGE\BASE, N:\ARC\STORAGE\BASE and N:\MECH\BASE

GENERAL NOTES:

- ALL FIXTURE HEIGHTS AND MOUNTING DIMENSIONS SHALL COMPLY WITH REQUIREMENTS OF TAS (ADA). CONTRACTOR MUST VERIFY EACH SUCH DIMENSION.
- ALL DOOR DIMENSIONS ARE CLEAR, FROM EDGE OF DOOR STOP TO EDGE OF DOOR IN OPEN POSITION.
- FAUCETS FOR LAVATORIES SHALL HAVE LEVER HANDLES.
- ANGLE STOPS, RISERS, TAIL PIECES & P-TRAPS NOT OTHERWISE ENCLOSED BY CABINETS OR OTHER ENCLOSURES SHALL HAVE ADA PROTECTIVE COVERS.
- TOILET PARTITION DOORS AT HANDICAPPED STALL MUST HAVE A MINIMUM CLEARANCE OF 32".

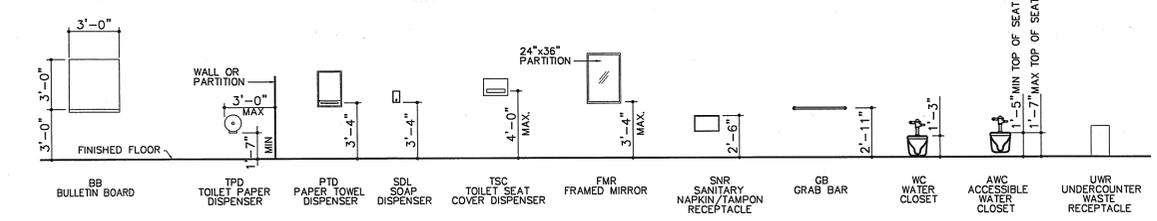
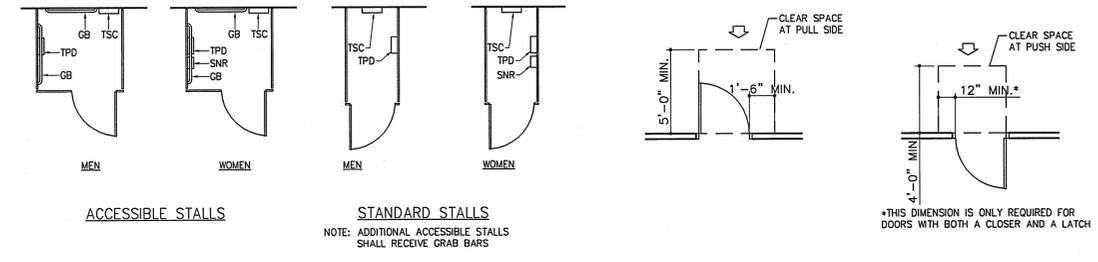
NOTES BY SYMBOL "◇":

- OPERATING HANDLE ON FLUSH TANK OR FLUSH VALVE WC MUST BE FURNISHED EITHER RIGHT OR LEFT HANDED SO THAT HANDLE OCCURS ON WIDE SIDE OF STALL OR SPACE AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE FINISHED FLOOR.
- GRAB BARS AND ASSOCIATED BLOCKING, ANCHORS, AND FASTENERS SHALL BE CAPABLE OF RESISTING A DOWNWARD FORCE OF 250 LBS. APPLIED AT ANY POINT ALONG THE HANDRAIL.

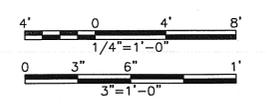
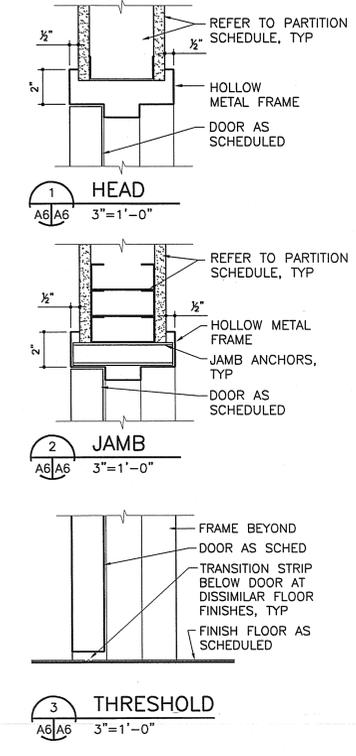
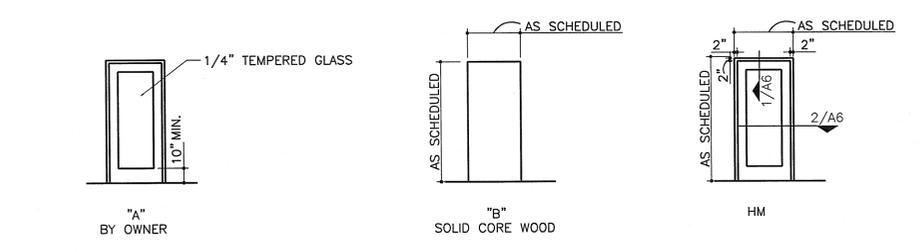


GENERAL NOTES:

- REFER TO INTERIOR ELEVATIONS FOR PLACEMENT OF MIRRORS.
- REFER TO FLOOR PLAN FOR LOCATION OF MOP HOLDERS, SANITARY NAPKIN DISPENSER, ELECTRIC WATER COOLERS, AND FIRE EXTINGUISHER CABINETS.
- REFER TO MILLWORK PLANS FOR LOCATIONS OF PTD AND SDL ACCESSORIES AT EACH COUNTER TOP.



MARK	DOOR DESCRIPTION		FRAME DESCRIPTION				UL LABEL	HARDWARE SET NO	COMMENTS					
	SIZE		KIND	TYPE	DOOR DETAILS									
	W	H			THK	HEAD				JAMB	THRESH			
E	3'-0"	7'-0"	-	EXIST	EXIST	-	-	-	EXISTING DOOR AND HARDWARE TO REMAIN					
1	3'-6"	7'-0"	1/4"	A	ALUM	-	-	-	BY OWNER					
2	3'-0"	7'-0"	1/4"	WOOD	B	HM	1	1/A6	2/A6	2/A6	3/A6	-	7	NEW DOOR AND HARDWARE
3	3'-6"	7'-0"	1/4"	WOOD	B	HM	1	1/A6	2/A6	2/A6	3/A6	-	7	NEW DOOR AND HARDWARE
4	3'-0"	7'-0"	1/4"	WOOD	B	HM	1	1/A6	2/A6	2/A6	3/A6	-	2	NEW DOOR AND HARDWARE
5	3'-0"	7'-0"	1/4"	WOOD	B	HM	1	1/A6	2/A6	2/A6	3/A6	-	4	NEW DOOR AND HARDWARE
6	3'-0"	7'-0"	1/4"	WOOD	B	HM	1	1/A6	2/A6	2/A6	3/A6	-	7	NEW DOOR AND HARDWARE
7	3'-0"	7'-0"	1/4"	-	EXIST	EXIST	-	-	-	-	-	-	8	EXISTING DOOR TO REMAIN WITH NEW HARDWARE



NO. REVISION	DATE	BY	FOR USE	FILE	DATE	DESIGNED	DRAWN	REVISION	CHECKED
			10/000091	A6.DWG	03/29/01	JWM	VLM		

Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.

VERIFY SCALE

SHEET **A6**
SEQ. 6 of 7A

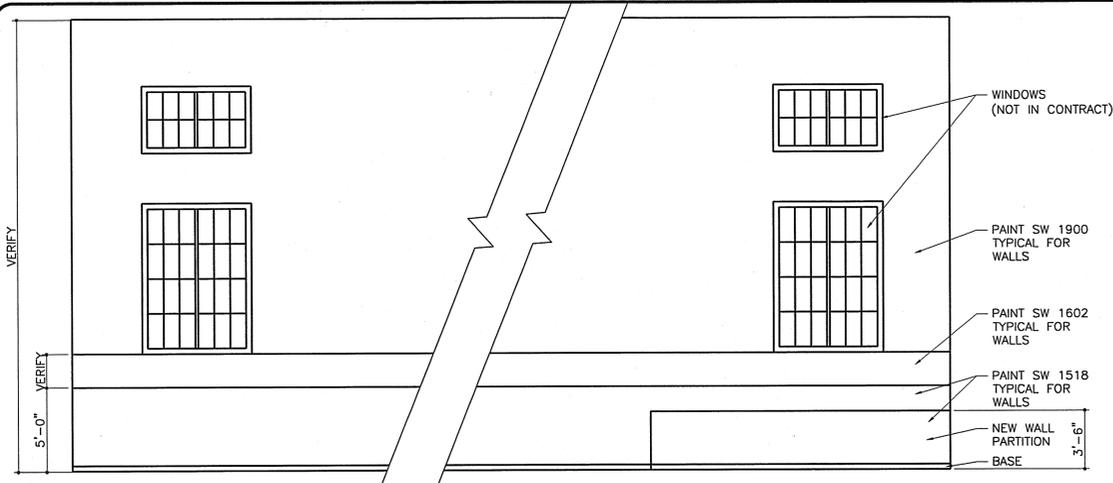
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2 REFERENCE FILES: BDR2 and N:\ARC\JWM



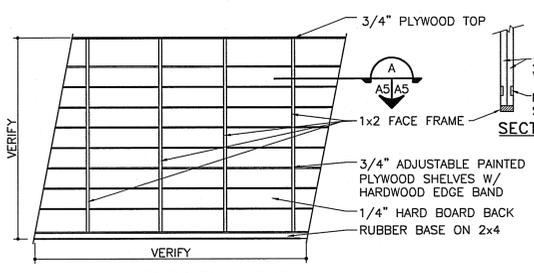
FRESE • NICHOLS
 ARCHITECTURAL
 4625 International Plaza, Suite 200
 Dallas, Texas 75246
 817-735-7200

KILGORE COLLEGE RANGERETTE GYM
 KILGORE, TEXAS

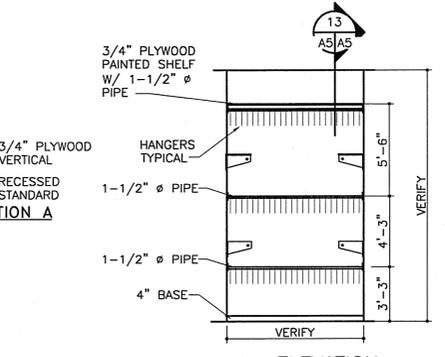
ARCHITECTURAL
 SECTIONS AND ELEVATIONS



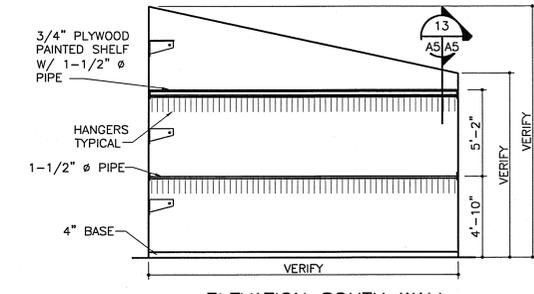
ELEVATION GYM SOUTH WALL
 1/4" = 1'-0"



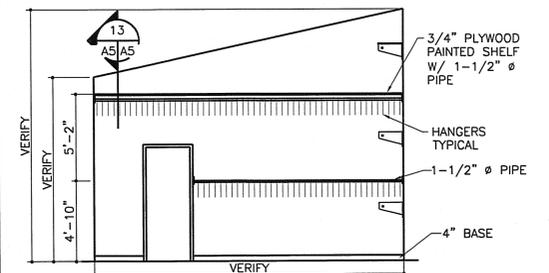
ELEVATION TYPICAL STORAGE ROOM 202
 1/4" = 1'-0"



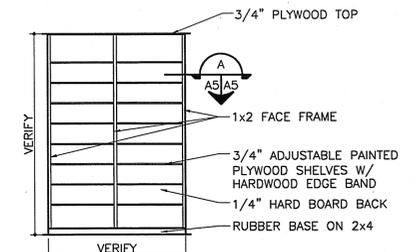
ELEVATION STORAGE ROOM 203
 1/4" = 1'-0"



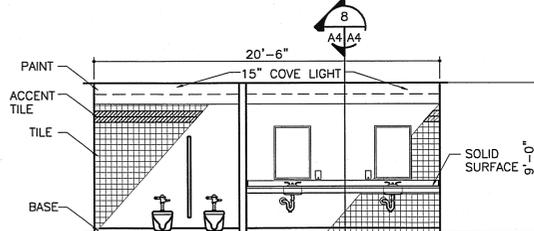
ELEVATION SOUTH WALL STORAGE ROOM 203
 1/4" = 1'-0"



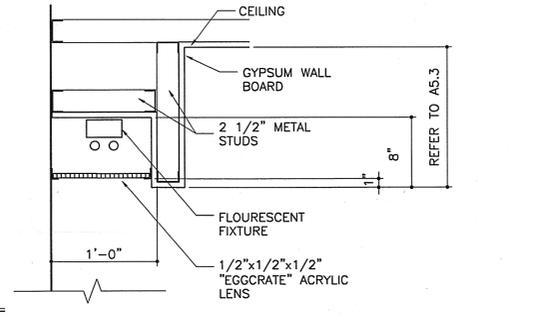
ELEVATION NORTH WALL STORAGE ROOM 203
 1/4" = 1'-0"



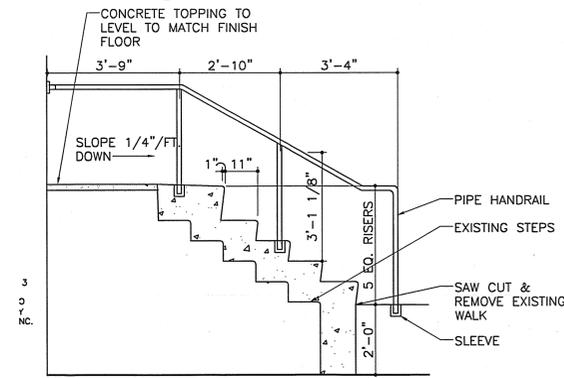
ELEVATION STORAGE ROOM 203
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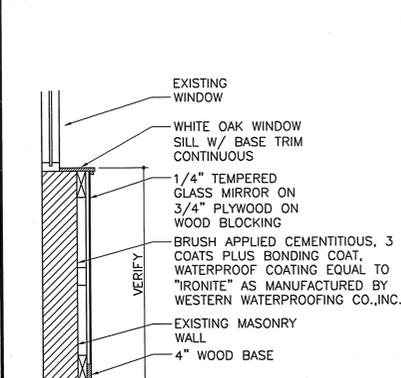
ELEVATION RESTROOM 105
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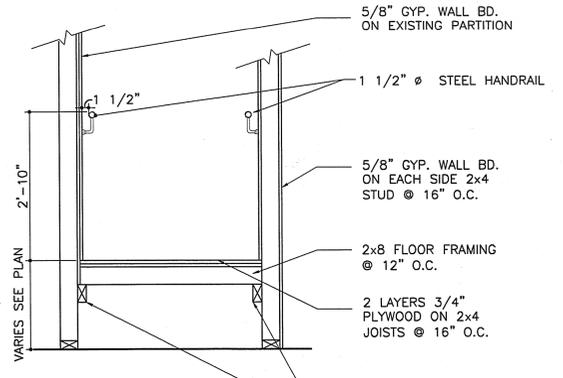
SECTION @ LAVATORY COUNTER
 1 1/2" = 1'-0"



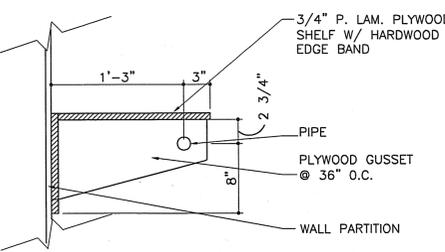
SECTION @ SOUTH STEPS
 1/2" = 1'-0"



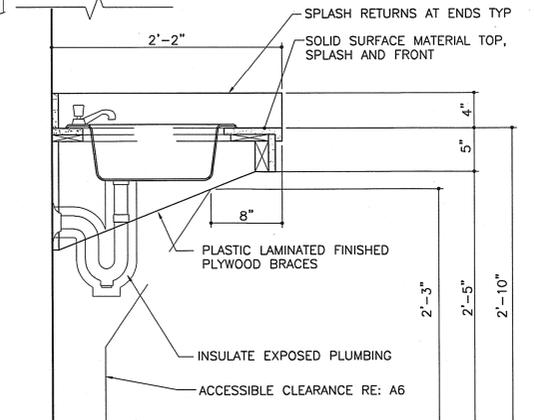
SECTION @ MIRROR WAINSCOT
 3/4" = 1'-0"



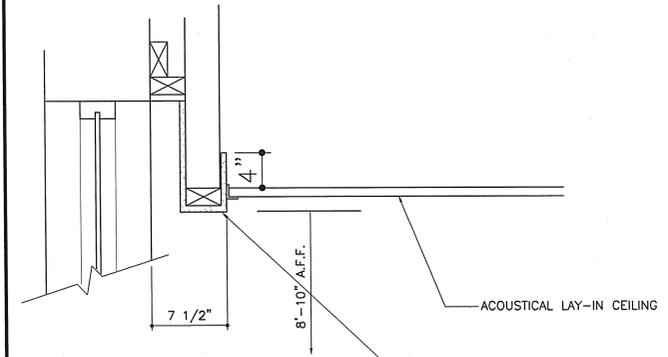
SECTION RAMP
 3/4" = 1'-0"



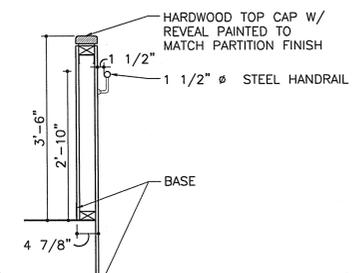
SECTION STORAGE CLOSET 203
 1 1/2" = 1'-0"



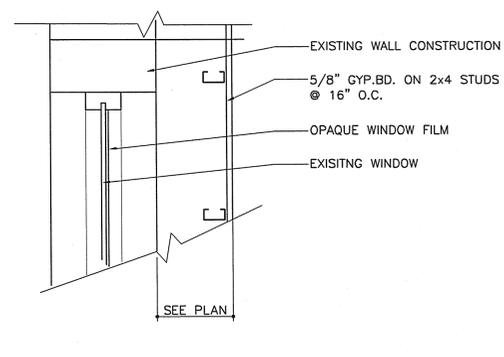
SECTION @ LOCKER
 3/4" = 1'-0"



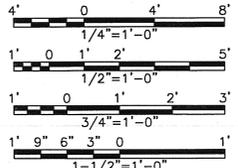
DETAIL FURR DOWN
 1 1/2" = 1'-0"



SECTION @ WALL PARTITION
 3/4" = 1'-0"



DETAIL WINDOW
 1 1/2" = 1'-0"



NO.	REVISION	DATE	BY

Bar is not a full scale dimension. If not one inch on this sheet, adjust scale.

VERIFY SCALE

SHEET **A5**

5 of 7A

USER: VLM
 DATE: 03/29/01
 TIME: 2:58:03 P.M.
 FILE: BDRG and N:\ARC\UNW

MECHANICAL SYMBOLS (ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
APPROX	APPROXIMATELY
ARCH	ARCHITECTURE
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
CFM	CUBIC FEET PER MINUTE
CD	CONDENSATE DRAIN
CLG	CEILING
CONN	CONNECTION
DWV	DRAINAGE WASTE AND VENT
DWGS	DRAWINGS
ELECT	ELECTRIC/ELECTRICAL
ENT	ENTERING
EAT	ENTERING AIR TEMPERATURE
EXH	EXHAUST
EXT	EXTERNAL/EXTERIOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HZ	HERTZ
HP	HORSEPOWER
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
MCA	MINIMUM CIRCUIT AMPACITY
MBH	BRITISH THERMAL UNITS (THOUSANDS)
MIN	MINIMUM
NC	NOISE CRITERIA
NOM	NOMINAL
NO	NUMBER
PH	PHASE
REC	RECOVERY
RE	REFER/REFERENCE
RPBFP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
SQ FT	SQUARE FEET
SP	STATIC PRESSURE
TAS	TEXAS ACCESSIBILITIES STANDARD
TEMP	TEMPERATURE
TNRCC	TEXAS NATURAL RESOURCES CONSERVATION COMMISSION
TP	TRAP PRIMER
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VDT	VERTICAL DRAW THRU
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
WTR	WATER
WC	WATER COLUMN, WATER CLOSET
W	WITH

DUCTWORK

	SUPPLY AIR DIFFUSER - ARROWS INDICATE PATTERN. NO PATTERN SHOWN EQUALS 4-WAY.
	RETURN AIR GRILLE
	EXHAUST GRILLE
	SUPPLY AIR SLOT
	ROUND DUCTWORK
	RECTANGULAR DUCTWORK. SIZE INDICATED IN INCHES.
	FLEXIBLE DUCT
	SUPPLY OR OUTSIDE AIR DUCT
	RETURN AIR DUCT
	RELIEF OR EXHAUST AIR DUCT
	DIFFUSER/GRILLE LABEL: A - TYPE/DESIGNATION 200 - AIRFLOW (CFM)
	90 DEGREE DUCTWORK ELBOW WITH VANES
	RADIUS DUCTWORK ELBOW - ROUND OR RECTANGULAR
	RECTANGULAR DUCTWORK BRANCH TAKE-OFF W/DAMPER AND 45 DEGREE BRANCH INLET
	SPIN-IN WITH DAMPER AND FLEX DUCT (DIFFUSER CONNECTION)
	ROUND DUCT BRANCH TAKE-OFF FROM RECTANGULAR OR FLAT OVAL MAIN WITH CONICAL TAP. PROVIDE BALANCE DAMPER FOR LOW PRESSURE DUCTWORK ONLY
	DUCTWORK SIZE TRANSITION.
	FLEXIBLE DUCT CONNECTION TO EQUIPMENT
	SUPPLY OR OUTSIDE AIR DUCT UP
	SUPPLY OR OUTSIDE AIR DUCT DOWN
	RETURN AIR DUCT UP
	RETURN AIR DUCT DOWN
	RELIEF OR EXHAUST AIR DUCT UP
	RELIEF OR EXHAUST AIR DUCT DOWN
	IN-LINE 90 DEGREE DROP (RISE) IN DUCT
	INCLINED RISE IN DUCT
	INCLINED DROP IN DUCT
	TURNING VANES
	MOTORIZED DAMPER
	MANUAL VOLUME (BALANCE) DAMPER
	SECURITY BARS
	FIRE DAMPER

PIPING SYMBOLS

	ELBOW UP
	ELBOW DOWN
	VALVE IN DROP
	VALVE IN CENTER DROP
	VALVE IN RISE
	DIRECTION OF FLOW
	DIRECTION OF SLOPE DOWN
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	TEE OUTLET UP
	TEE OUTLET DOWN
	UNION
	PIPE ANCHOR
	EXPANSION JOINT
	STRAINER WITH BLOWDOWN VALVE
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
	OS&Y VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	3 WAY SELF OPERATING VALVE
	2 WAY SELF OPERATING VALVE
	MOTOR OPERATED VALVE
	SOLENOID VALVE
	GAUGE COCK
	SHOCK ARRESTOR
	STEAM TRAP
	PIPE GUIDE
	CAP ON END LINE
	FLOW SWITCH
	PRESSURE SWITCH
	GAS VALVE
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	T&P RELIEF VALVE
	VACUUM BREAKER
	LINE CLEANOUT
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER
	WATER METER
	GAS REGULATOR
	FLEXIBLE CONNECTION
	PIPE FLANGE
	THERMOMETER WELL
	PRESSURE GAUGE

PIPING TYPES

	CHS	CHILLED WATER SUPPLY
	CHR	CHILLED WATER RETURN
	CD	CONDENSATE DRAIN (COLD)
	D	DRAIN
	MU	MAKE-UP WATER
		DOMESTIC COLD WATER
		DOMESTIC HOT WATER
		SANITARY WASTE
		SANITARY VENT
	G	NATURAL GAS
	HPS	HIGH PRESSURE STEAM (100 PSI)
	SC	STEAM CONDENSATE
	LPS	LOW PRESSURE STEAM
	PC	PUMPED CONDENSATE
	HWS	HEATING WATER SUPPLY
	HWR	HEATING WATER RETURN

MISCELLANEOUS

	T	THERMOSTAT (LOCAL CONTROL)
	P	STATIC PRESSURE SENSOR (DDC)
	H	HUMIDITY SENSOR (DDC)
	C	CO2 SENSOR (DDC)
	T	TEMPERATURE SENSOR (DDC)
	F	FIRESTAT
	Ⓢ	DUCT SMOKE DETECTOR.
	①	DRAWING NOTE REFERENCE
	∅	DIAMETER
	⊖	OVAL

DEMOLITION LEGEND

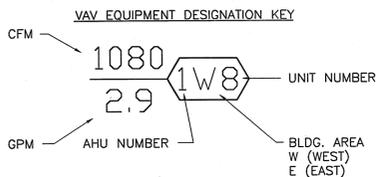
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	TO BE REMOVED

NEW WORK LEGEND

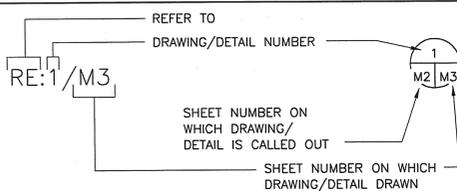
	EXISTING EQUIPMENT, PIPE, ETC.
	NEW OR RELOCATED WORK

EQUIPMENT DESIGNATIONS

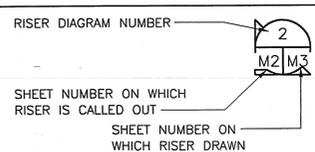
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EF-1	EXHAUST FAN #1
UH-1	UNIT HEATER #1
VF-1	VENTILATION FAN #1
HWP-1	HOT WATER PUMP #1
CHP-1	CHILLED WATER PUMP #1
HE-1	HEAT EXCHANGER #1



DRAWING/DETAIL REFERENCE KEY



PLUMBING RISER DIAGRAM DESIGNATOR



KILGORE COLLEGE RANGERETTE GYM
KILGORE, TEXAS

MECHANICAL
LEGEND AND ABBREVIATIONS

NO. REVISION	DATE	BY	FOR JOB NO.	FILE	DATE	DESIGNED	DRAWN	REVIEWED	CHECKED
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SEQ. 1 OF 4M									

Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.

VERIFY SCALE

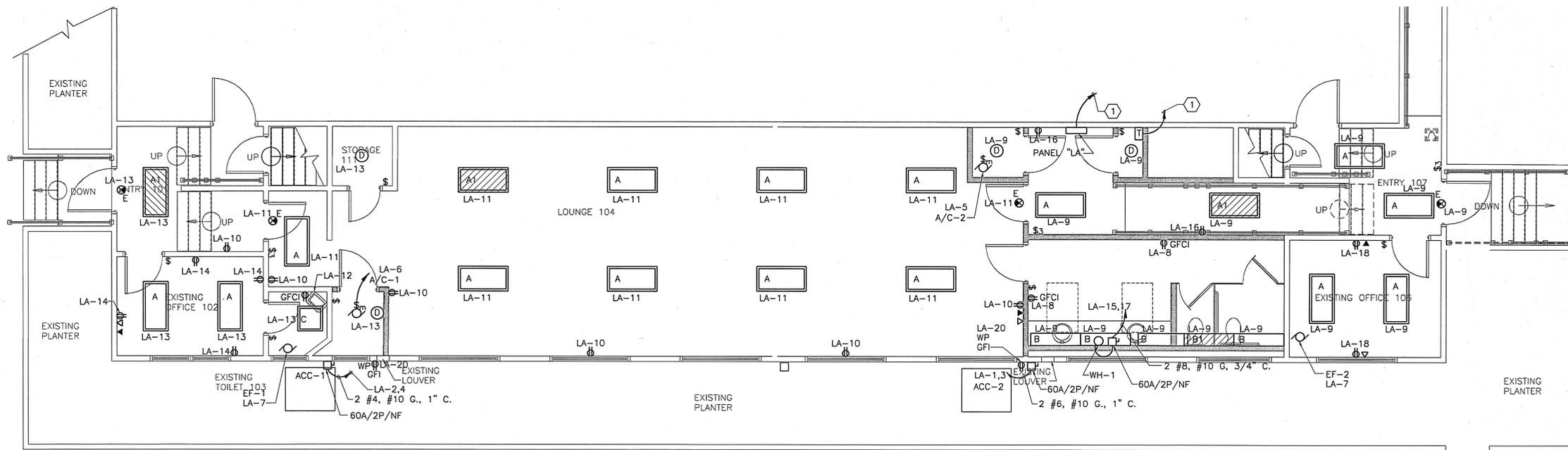
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2 REFERENCE FILES: 50163 and N:\KCBDR2



FREES & NICHOLS
 4035 International Plaza Suite 200
 Dallas, Texas 75244
 817-735-7300

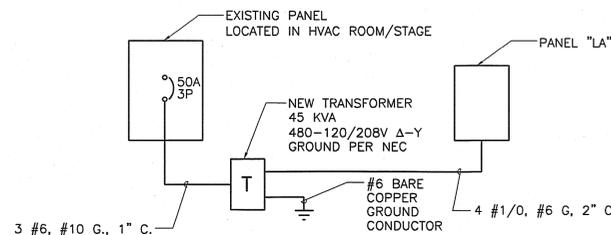
KILGORE COLLEGE RANGERETTE GYM
 KILGORE, TEXAS

ELECTRICAL
 LOUNGE FLOOR PLAN - ELECTRICAL AND SCHEDULES



1 LOUNGE FLOOR PLAN - ELECTRICAL
 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE					
TYPE	MAUFACTURER	CATALOG NO.	LAMP	VOLT	DESCRIPTION
A	COLUMBIA	J-24-4-32-G-FS-PC1-4EB8-120	(4) 32W T8	120	2'x 4' PARABOLIC
A1	COLUMBIA	J-24-4-32-G-FS-PC1-4EB8-120-EL	(4) 32W T8	120	2'x 4' PARABOLIC WITH BATTERY PACK
B	LITHONIA	RP-1-T8-PC2-120	(1) 32W T8	120	RECESSED PERIMETER SYSTEM
B1	LITHONIA	RP-1-T8-PC2-120-EL	(1) 32W T8	120	RECESSED PERIMETER SYSTEM WITH BATTERY PACK
C	COLUMBIA	J-22-2-32-G-FS-PC1-EBB-120	(2) 32W T8	120	2'x 2' PARABOLIC
D	LEVITON	8829-CW4	(1) 60W INCANDESCENT	120	OUTLET BOX LAMPHOLDER MEDIUMBASE
E	LITHONIA	LE-S-W-1-R-120/277-ELN	(1) LED	120	EXIT SIGN SINGLE FACE



2 RISER DIAGRAM
 NOT TO SCALE

NOTES BY SYMBOL " 1 "

- COORDINATE WITH OWNER FOR FIELD ROUTING OF CONDUIT APPROXIMATELY 100' PRIOR TO BID. RE: 2/E1.

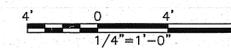
GENERAL NOTES:

- ALL 120V LIGHTING CIRCUIT HOMERUNS SHALL BE MINIMUM OF 2 #12, #12 G., 3/4" C. HOMERUNS LONGER THAN 100 FEET SHALL BE 2 #10, #10G., 3/4" C., AND HOMERUNS LONGER THAN 200 FEET SHALL BE 2 #8, #8G., 1" C. ALL 120V CIRCUIT HOMERUNS LONGER THAN 60 FEET SHALL BE 2 #10, #10 G., 3/4" C. ALL HOMERUNS LONGER THAN 90 FEET SHALL BE 2 #8, #10 G., 3/4" C. ALL HOMERUNS LONGER THAN 130 FEET SHALL BE 2 #6, #10 G., 3/4" C.
- REFER TO LIGHTING FIXTURE SCHEDULE THIS SHEET FOR LIGHTING FIXTURE DESCRIPTIONS AND MODEL NUMBERS.
- LOAD ALL CIRCUITS PER NEC ALLOWABLE LIMITS.
- COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL SHEETS.
- STUB UP CONDUIT FOR VOICE/DATA OUTLET 6" ABOVE CEILING.

ELECTRICAL LEGEND

- 2'x 4' LIGHT FIXTURE
- 2'x 4' LIGHT FIXTURE WITH BATTERY PACK
- 1'x 4' RECESSED COVE LIGHT FIXTURE
- 1'x 4' RECESSED COVE LIGHT FIXTURE WITH BATTERY PACK
- DOWNLIGHT FIXTURE
- EXIT LIGHT
- 3-WAY LIGHT SWITCH
- SINGLE POLE LIGHT SWITCH
- 20A RECEPTACLE
- COMPUTER/DATA OUTLET
- TELEPHONE OUTLET
- JUNCTION BOX
- MOTOR
- FAN MOTOR WITH SWITCH
- DISCONNECT SWITCH
- ELECTRICAL PANEL

PANEL NO. LA		MAIN 150 AMPS		LOCATION LOUNGE HALLWAY				
SERVICE VOLTAGE 120/208 VOLTS		BUS RATING 225 AMPS						
A.I.C. 14,000		NEUTRAL BUS 225 AMPS						
DESCRIPTION	BREAKER POLE AMP	VOLT AMPS A B C	CKT NO	BUS CONN	CKT NO	VOLT AMPS A B C	BREAKER POLE AMP	DESCRIPTION
ACC-1	2	3330	1	1	2	3330	2	ACC-2
	60	3330	3	1	4	3330	60	
A/C-1 FAN	1	1587	5	1	6	1587	1	A/C-2 FAN
EF-1, EF-2	1	182	7	1	8	360	1	RECEPTACLE RESTROOM
LIGHTS	1	1015	9	1	10	1080	1	RECEPTACLE ROOM 104
LIGHTS	1	1260	11	1	12	180	1	RECEPTACLE ROOM 103
LIGHTS	1	460	13	1	14	720	1	RECEPTACLE ROOM 102
WH-1	2	3565	15	1	16	360	1	RECEPTACLE CORRIDOR
	40	3565	17	1	18	360	1	RECEPTACLE ROOM 106
SPARE	1	-	19	1	20	360	1	RECEPTACLE OUTSIDE
SPARE	1	-	21	1	22	-	1	SPARE
SPARE	1	-	23	1	24	-	1	SPARE
SPARE	1	-	25	1	26	-	1	SPARE
SPARE	1	-	27	1	28	-	1	SPARE
SPARE	1	-	29	1	30	-	1	SPARE
		3972 7910 6412			4770 4770 2127			
CONNECTED BUS A	8742				DEMAND KVA 30			
CONNECTED BUS B	12680				DEMAND AMPS 106			
CONNECTED BUS C	8539							
CONNECTED TOTAL	29961							



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VERIFY SCALE 0

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET E1

1 OF E1

User: CGC
 ACAD: 15.05.08s (LMS Tech)
 KGC005917N; ELEC E2; DWG
 1. DATE: 03/29/01
 2. REFERENCE FILES: N:\ACV\ED02 and N:\ARC\LOUNGE\BASE



FREES-NICHOLS
MECHANICAL
4400 West Loop West
Houston, Texas 77027
817-735-7300

KILGORE COLLEGE RANGERETTE GYM
KILGORE, TEXAS
MECHANICAL
SCHEDULES AND DETAILS

AIR COOLED CONDENSING UNIT SCHEDULE

MARK	LOCATION	SENSIBLE CAPACITY BTUH	CAPACITY BTUH	COMPRESSOR DATA				CONDENSER DATA			UNIT ELECTRICAL DATA				MANUFACTURER & MODEL NUMBER	
				NO.	REFR TYPE	NO OF COMP.	SUCT. TEMP (F)	KW EACH	COND NO.	FANS HP EA	REFR CIRC	VOLTS	PH	HZ		MCA
ACCU-1	OUTDOOR	42,300	52,100	1	R22	1	40	-	1	1/4	1	208	1	60	60	TRANE TTP060C100A
ACCU-2	OUTDOOR	40,850	46,900	1	R22	1	40	-	1	1/4	1	208	1	60	60	TRANE TTP060C100A

GAS FURNACE UNIT SCHEDULE

MARK	CFM	OA CFM	OUTSIDE DESIGN D.B. (F)	ENTERING W.B. (F)	ENTERING D.B. (F)	MOTOR HP	E.S.P. IN W.G.	POWER CONN.			HEATING -BTUH		MANUFACTURER AND MODEL NO.	REMARKS
								V	PH	HZ	INPUT	OUTPUT		
A/C-1	1500	230	99	65.0	79.0	3/4	0.5	115	1	60	140,000	111,000	TRANE-TUD140C960B	①②③④
A/C-2	1610	140	99	64.2	77.9	3/4	0.5	115	1	60	140,000	111,000	TRANE-TUD140C960B	①②③④

- ① SIZE, ROUTE, INSULATE AND PROVIDE APPURTENANCES FOR DX PIPING SYSTEMS, PER MANUFACTURERS RECOMMENDATIONS.
- ② UNIT SHALL BE EQUIPPED WITH NATURAL GAS HEATING. ④ OR APPROVED EQUAL.
- ③ LISTED CAPACITIES ARE FOR THE COOLING COIL AND CONDENSING UNIT COMBINATION.

EXHAUST FAN SCHEDULE

MARK	SERVES	CFM	EXT SP (IN. WG)	MOTOR DATA				MAX INPUT WATTS	MAX. SONES	DRIVE	MFG. AND MODEL NO.	REMARKS	
				HP	RPM	V	PH						HZ
EF-1	TOILET	100	0.25	1/20	1700	115	1	60	86	5.6	DIRECT	ACE-D-70	①②③
EF-2	RESTROOM	200	0.25	1/20	1550	115	1	60	96	4.8	DIRECT	ACE-D-70	①②③

- ① ROOF MOUNTED
- ② INTERLOCK WITH A/C UNIT
- ③ OR APPROVED EQUADR APPROVED EQUAL

DIFFUSER, REGISTER AND GRILLE SCHEDULE

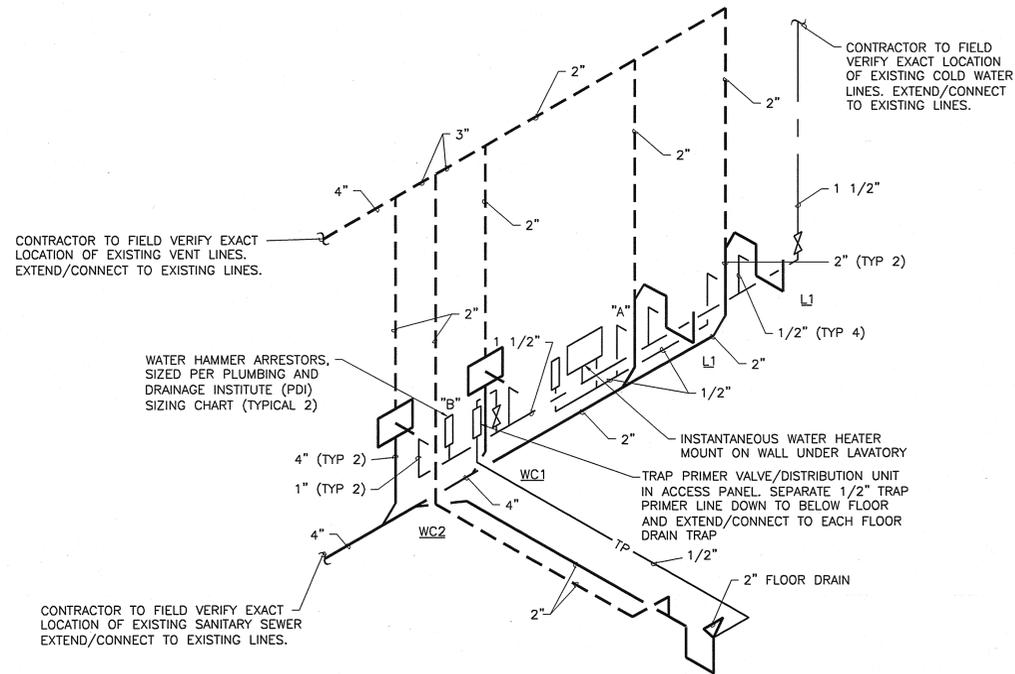
MARK	TYPE	FACE SIZE INCHES	NECK SIZE INCHES	MANUFACTURER AND MODEL NO.	REMARKS
A	LOUVER FACE CEILING SUPPLY AIR	24 X 24	④	TITUS - TMS	① ② ③
B	LOUVER FACE CEILING SUPPLY AIR	12 X 12	8" DIA	TITUS - TMS	① ② ③
C	DOUBLE DEFLECTION SIDEWALL SUPPLY AIR	38 X 6	36 X 4	TITUS - JFA-S	① ② ③
D	DOUBLE DEFLECTION SIDEWALL SUPPLY AIR	14 X 10	12 X 8	TITUS - 272RL	① ② ③
E	EGGCRATE FACE CEILING RETURN AIR	24 X 24	22 X 22	TITUS - 50F	① ② ③
F	EGGCRATE FACE CEILING RETURN AIR	24 X 12	22 X 10	TITUS - 50F	① ② ③
G	EGGCRATE FACE CEILING EXHAUST AIR	12 X 12	10 X 10	TITUS - 50F	① ② ③
H	EGGCRATE FACE CEILING EXHAUST AIR	24 X 24	22 X 22	TITUS - 50F	① ② ③
J	45° DEFLECTION FIXED RETURN AIR HORIZONTAL FACE BARS	20 X 8	18 X 6	TITUS - 3FL	① ② ③
K	45° DEFLECTION FIXED RETURN AIR HORIZONTAL FACE BARS	26 X 14	24 X 12	TITUS - 3FL	① ② ③
L	LOUVER FACE CEILING SUPPLY AIR	54" DIA	30" DIA	TITUS - TMR	① ② ③
M	45° DEFLECTION FIXED RETURN AIR HORIZONTAL FACE BARS	16 X 8	14 X 6	TITUS - 3FL	① ② ③
N	SUPPLY AIR SLOT DIFFUSER	48" X 1"	48" X 1"	TITUS - TBDI	① ② ③ ⑤

- ① UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING TYPES AND CONDITIONS.
- ② FINISH/PAINT COLOR SHALL BE AS DETERMINED BY OWNER'S REPRESENTATIVE.
- ③ SOUND VALUES SHALL NOT EXCEED 30 NC (ROOM), UNLESS OTHERWISE NOTED.
- ④ TYPE A DIFFUSER SCHEDULE
- ⑤ PROVIDE WITH 2-1" SLOTS

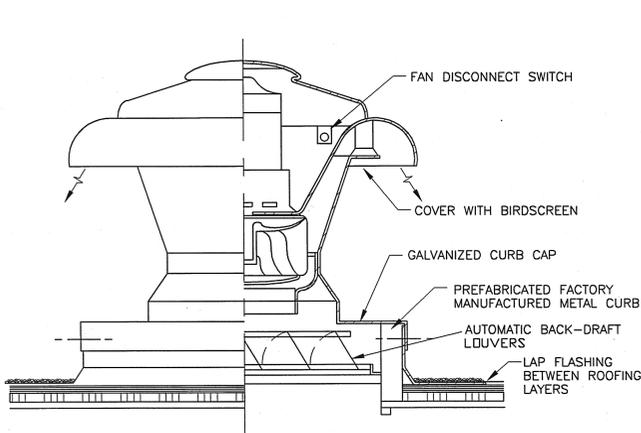
CFM RANGE	NECK
0 - 250	8"
250 - 500	10"
500 - 750	12"
750 - 900	15"

PLUMBING FIXTURE ROUGH-IN SCHEDULE

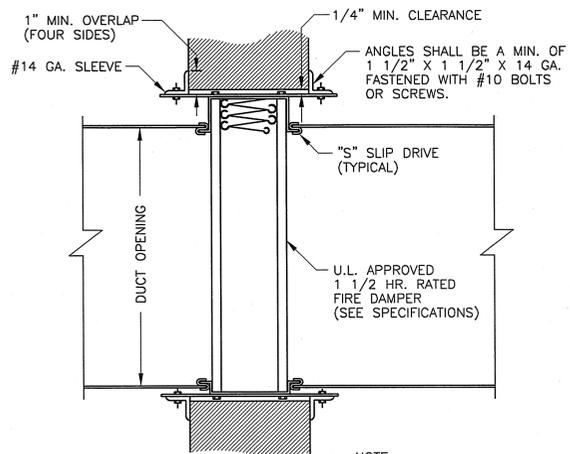
MARK	DESCRIPTION	ROUGH-IN (INCHES)				REMARKS
		W	V	HW	CW	
WC1	WATER CLOSET	4"	2"	-	1"	WALL MOUNTED
WC2	WATER CLOSET	4"	2"	-	1"	WALL MOUNTED, ADA/TAS ACCESSIBLE
L1	LAVATORY	2"	2"	1/2"	1/2"	WALL MOUNTED, ADA/TAS ACCESSIBLE



5 PLUMBING RISER DIAGRAM
NOT TO SCALE

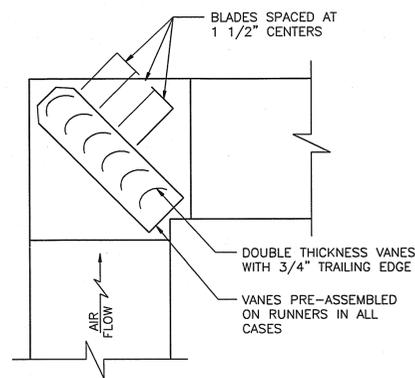


1 TYPICAL ROOF EXHAUSTER
NOT TO SCALE

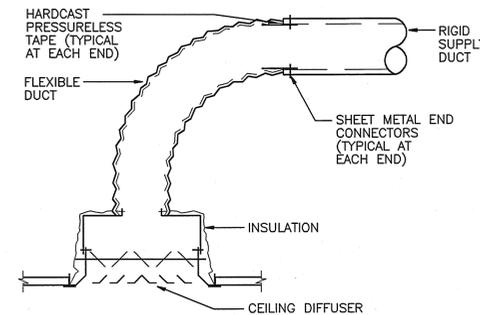


2 TYPICAL FIRE DAMPER
NOT TO SCALE

NOTE: FIRE DAMPERS SHALL BE FABRICATED & INSTALLED ACCORDING TO SMACNA, AND NFPA-90A RECOMMENDATIONS, AND REQUIREMENTS OF APPLICABLE CODE AUTHORITIES HAVING JURISDICTION.



3 TYPICAL SQUARE ELBOW
NOT TO SCALE



- INSTALLATION REQUIREMENTS
1. MAXIMUM LENGTH IS 6 FT. SPLICES ARE NOT PERMITTED.
 2. MAXIMUM CHANGE IN DIRECTION IS 50°, MINIMUM BEND RADIUS IS 1 1/2 TIMES DUCT DIAMETER. DO NOT CRIMP DUCT.

4 FLEXIBLE DUCT CONNECTION
NOT TO SCALE

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DATE: 03/29/01
DESIGNED: JEC/SYV
DRAWN: DBP
REVISED:
CHECKED: DWL

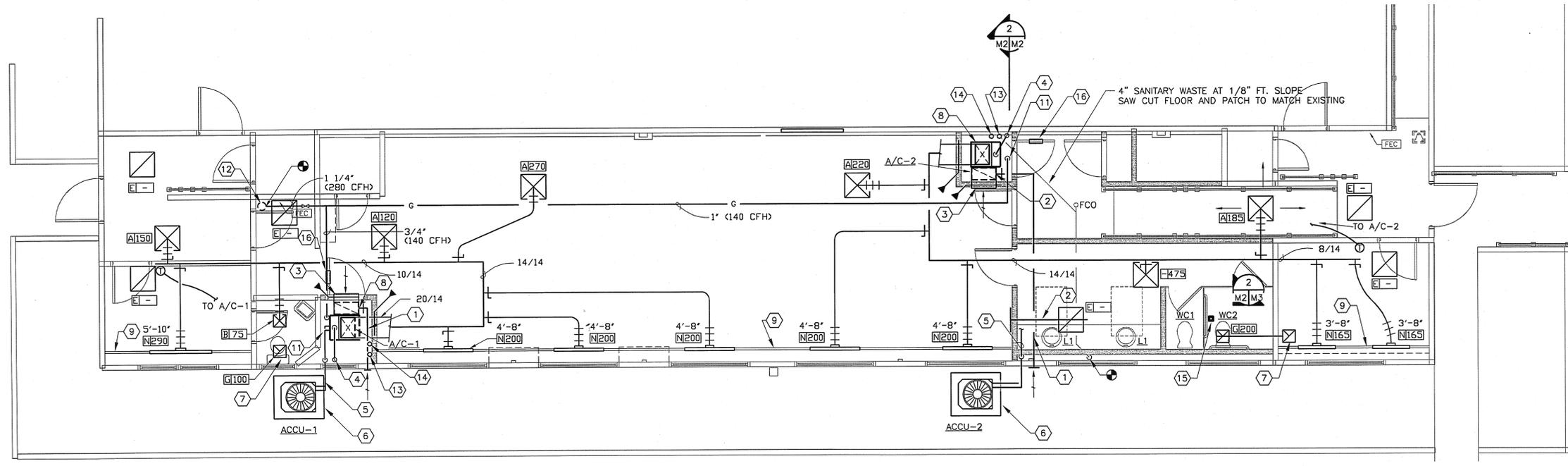
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KILGORE COLLEGE RANGERETTE GYM
KILGORE, TEXAS
MECHANICAL
FLOOR PLAN - HVAC AND PLUMBING



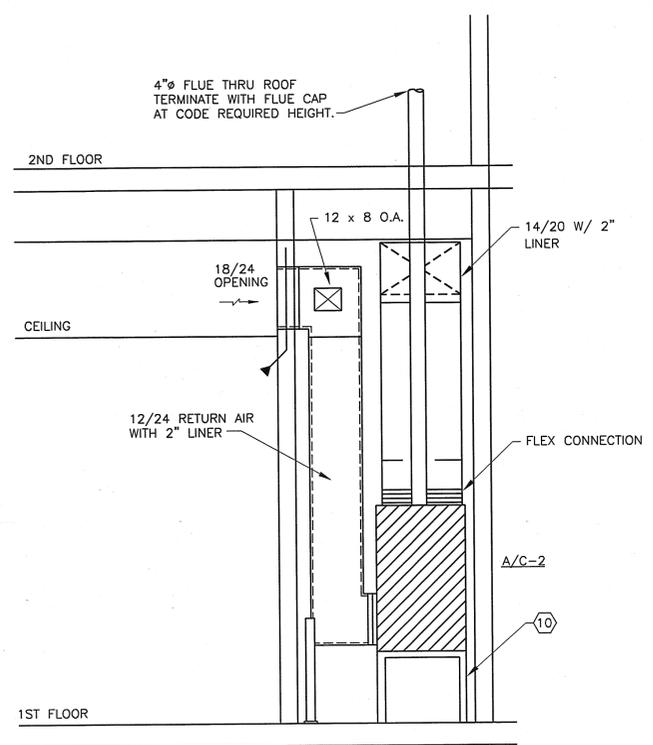
1 FLOOR PLAN - HVAC AND PLUMBING
1/4"=1'-0"

GENERAL NOTES:

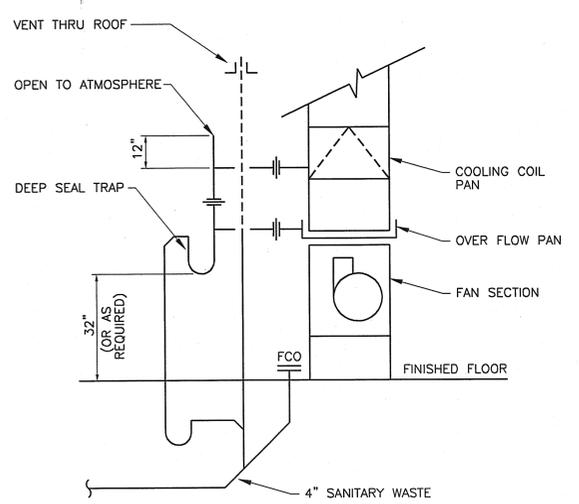
- ALL DUCTWORK SIZES SHOWN ARE FREE AIR STREAM DIMENSIONS (NET INSIDE CLEAR DIMENSIONS).
- COORDINATE WORK WITH ARCHITECTURAL FEATURES AND BETWEEN PIPING, DUCTWORK, EQUIPMENT, PLUMBING WORK, ELECTRICAL WORK, AND BUILDING STRUCTURE TO AVOID INTERFERENCES.
- REFER TO SHEET M1 FOR MECHANICAL DEMOLITION WORK.
- REFER TO PLUMBING RISER DIAGRAM ON SHEET M3 FOR PIPING IN RESTROOM.

NOTES BY SYMBOL "O"

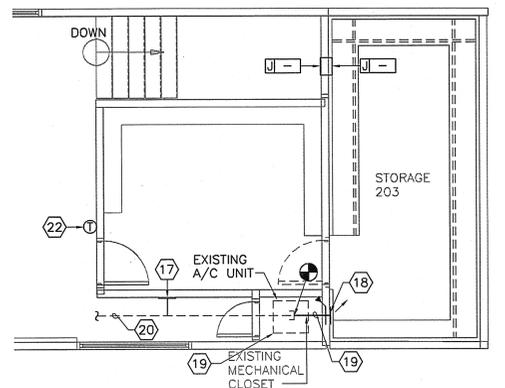
- 12"x8" OUTSIDE AIR DUCT FROM VENT ON WALL.
- 24"x6" TRANSFER AIR OPENING ABOVE CEILING.
- 24"x18" RETURN AIR OPENING ABOVE CEILING.
- 4" FLUE VENT FROM UNIT OFFSET TO WALL AND UP THRU ROOF TERMINATE WITH FLUE CAP AT CODE REQUIRED HEIGHT.
- REFRIGERANT LIQUID AND SUCTION LINES ABOVE CEILING TO THE A/C UNIT IN MECHANICAL CLOSET. SIZE LINES PER MANUFACTURER.
- CONCRETE EQUIPMENT PAD.
- PROVIDE 8"x8" EXHAUST AIR DUCT FROM GRILLE OFFSET UP TO FAN ON ROOF.
- PROVIDE 1 1/4" CONDENSATE DRAIN LINES FROM UNIT TO STANDPIPE. REFER TO 3/M2.
- CONTINUOUS SLOT. REFER TO ARCHITECTURAL DRAWINGS.
- PROVIDE SUPPORT FRAMING AS REQUIRED.
- 1/2" NATURAL GAS PIPING CONNECTION AT UNIT.
- 3/4" NATURAL GAS PIPING CONNECTION TO EXISTING PIPE.
- 3" STANDARD PIPE AT 32" AFF-EXTEND FAN/COIL DRAIN AND OVERFLOW DRAIN INTO TOP OF STANDPIPE. PROVIDE DEEP SEAL P-TRAP, CLEANOUT AND VENT IN ACCORDANCE WITH IPC-2000. RE:3/M2
- 2" VENT THROUGH ROOF
- 2" FLOOR DRAIN WITH TRAP PRIMER CONNECTION. RE:5/M3
- 12"x12" LOUVER IN THE DOOR. RE: ARCH.
- RELOCATE EXISTING SUPPLY AIR AS REGULATED. CAP DUCT MAIN.
- SUPPLY AIR GRILLE RELOCATED AS SHOWN. BALANCE TO 200 CFM.
- PROVIDE NEW FULLSIZE SUPPLY AIR DUCT TO RELOCATED GRILLE.
- EXISTING DUCTWORK TO REMAIN.
- REBALANCE A/C SYSTEM TO PROVIDE NEW AIR QUANTITIES AS SHOWN.
- T-STAT RELOCATED AS SHOWN.



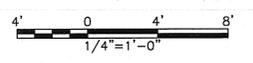
2 SECTION - MECHANICAL
NTS
NOTE: A/C-1 SIMILAR



3 A/C UNIT CONDENSATE DRAINAGE STANDPIPE DIAGRAM
NTS



4 PARTIAL-UPPER LEVEL PLAN - HVAC
1/4"=1'-0"



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FREES-NICHOLS
 ARCHITECTURAL
 817-735-7300

KILGORE COLLEGE RANGERETTE GYM
 KILGORE, TEXAS

ARCHITECTURAL
 LOUNGE DEMOLITION AND FLOOR PLANS

DEMOLITION NOTES BY SYMBOL

1. REMOVE PORTION OF EXISTING PARTITION ONLY UP TO A POINT ABOVE NEW CEILING.
2. REMOVE ALL EXISTING WALL MOUNTED BENCHES.
3. EXISTING FLOOR DRAIN TO REMAIN.
4. REMOVE EXISTING LIGHT FIXTURES & CEILING FANS.
5. REMOVE EXISTING WALL PARTITION.
6. REMOVE EXISTING DOOR & FRAME SHOWN DASHED.
7. REMOVE EXISTING DISPLAY BOARDS.
8. REMOVE EXISTING MILLWORK.
9. REFER TO DEMOLITION GENERAL NOTE 1 --PLUMBING.
10. REMOVE EXISTING HANDRAIL.
11. REMOVE FLOORING AND JOISTS PROVIDING BLOCKING & REINFORCEMENT OF EXISTING JOISTS TO ALLOW FOR INSTALLATION OF RAMP.
12. REMOVE ALL EXPOSED PIPING & CONDUIT NOT NECESSARY FOR THE PROPER OPERATION OF THE FACILITY.
13. REMOVE EXISTING CONCRETE LOCKER BASES.
14. REMOVE EXISTING STEEL GRILLAGE FROM WINDOW OPENINGS TYPICAL.
15. REMOVE EXISTING CARPET.
16. REMOVE EXISTING WALL TO ALLOW FOR 3'-0" x 7'-0" HIGH CASED OPENING. PROVIDE HEADER SUPPORT BEAM.

CONSTRUCTION NOTES BY SYMBOL

1. PAINT EXISTING EXTERIOR & INTERIOR HANDRAILS. REFER TO FINISH SCHEDULE.
2. INSTALL NEW DISPLAY BOARDS. REFER TO SPECS FOR SIZE.
3. PREP & LEVEL WALL FOR NEW VVC AS SCHEDULED.
4. CLEAN & REPAIR ALL LEADER HEADS AND DOWN SPOUTS.
5. AIR COOLED CONDENSING UNIT ASSOCIATED APPURTENANCES TO REMAIN.
6. PATCH WALL TO MATCH EXISTING CONSTRUCTION.
7. APPLY OPAQUE WINDOW FILM TO INSIDE OF WINDOW GLAZING BEFORE CONSTRUCTING PARTITION.

GENERAL NOTES

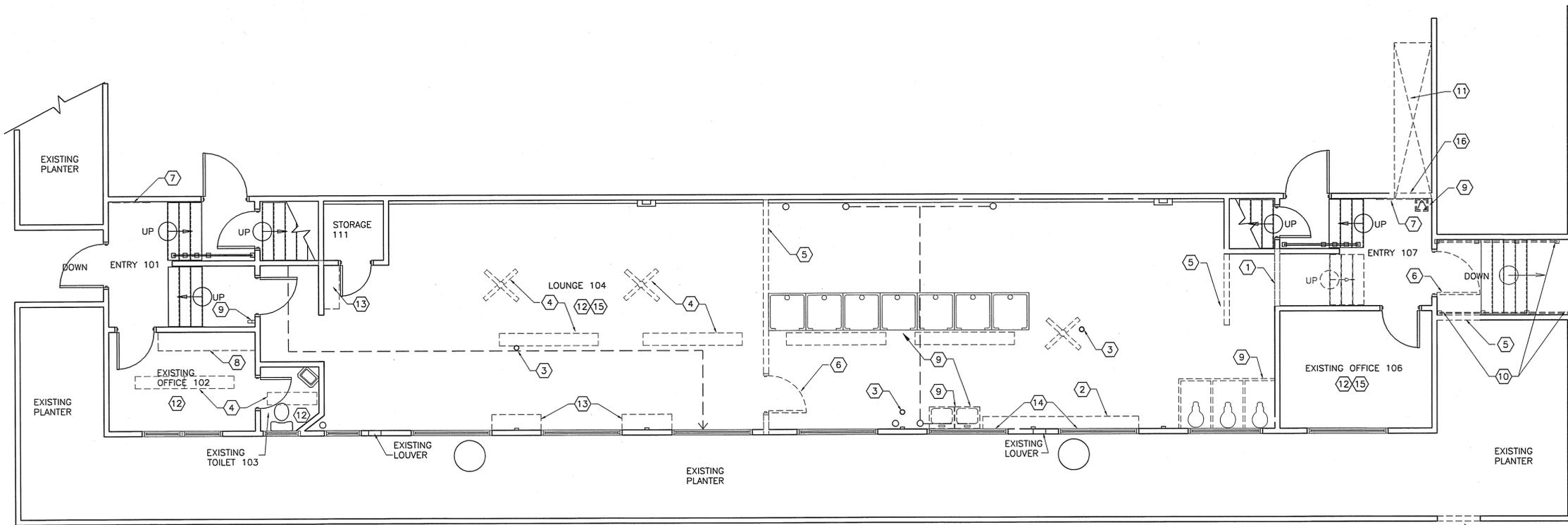
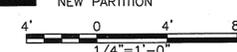
1. ALL DIMENSIONS ARE FINISH TO FINISH.
2. ALL NEW PARTITIONS ARE 5/8" GYPSUM BOARD ON 2x4 STUDS @ 16" O.C. W/ 2" ACOUSTICAL INSULATION FLOOR TO FLOOR ABOVE.
3. RAMPS TO SLOPE 1"x12' MAXIMUM.
4. REMOVE NAILS & SCREWS, CAULK CRACKING, SAND DOWN ROUGH FINISHES & FILL HOLES W/ SPACKEL PRIOR TO PAINTING.
5. RAISE ALL EXISTING GAS PIPES & CI VENTS ABOVE NEW CEILING GRID.

FINISH SCHEDULE

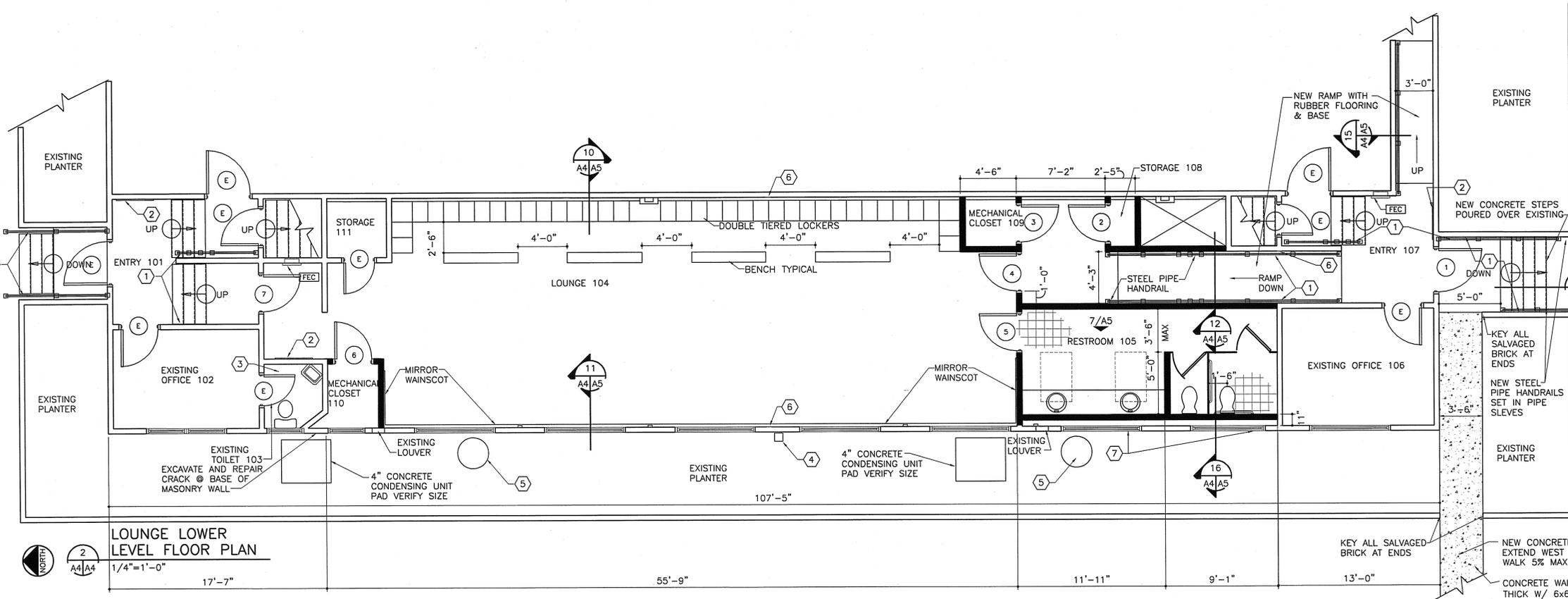
- ENTRY 101/107/STORAGE 108**
 RUBBER FLOORING- LONSEAL LONMESA 64 HORIZON BLUE
 PAINT- SHERWIN WILLIAMS SW 1910
- EXISTING OFFICE 102/EXISTING TOILET 103**
 VCT- MANNINGTON 410 BLUE TONES
 RUBBER BASE- JOHNSONITE 28 MEDIUM GREY (6")
 WALLCOVERING- VERSA MORINDA A36-003 WHITE WILLOW
- MECHANICAL 109/110**
 SEALED CONCRETE
 BASE- JOHNSONITE 28 MEDIUM GREY
 PAINT- SHERWIN WILLIAMS SW1901
- LOUNGE 104/STORAGE 111**
 CARPET- INTERFACE ZEN BASE 16661 2091 REED
 BASE- JOHNSONITE 28 MEDIUM GREY (6")
 PAINT- SHERWIN WILLIAMS SW1910
- LOCKERS/BENCHES- WILSONART D321-60 BRITANNY BLUE**
- RESTROOM 105**
 FLOOR TILE- FLORIDA NATURA TOUGH ONE 8719 PEARL
 WALL TILE- FLORIDA TILE 519 MATTE FINISH
 ACCENT WALL TILE- FLORIDA TILE 1266 MATTE FINISH
 COUNTERTOPS- WILSONART 9022-MG
 TOILET PARTITIONS- WILSONART D321-60 BRITNEY BLUE
 WALLCOVERING- VERSA MORINDA A36-372 HYSSOP FLOWER
- EXISTING OFFICE 106**
 CARPET- INTERFACE ZEN BASE 16661 2091 REED
 RUBBER BASE- JOHNSONITE 28 MEDIUM GREY (6")
 PAINT- SHERWIN WILLIAMS SW1910
- STORAGE 200/201**
 CARPET- INTERFACE ZEN BASE 16661 2091 REED
 RUBBER BASE- JOHNSONITE 28 MEDIUM GREY (6")
 PAINT- SHERWIN WILLIAMS SW1910
- STORAGE 202/203**
 EXISTING WOOD FLOOR
 RUBBER BASE- JOHNSONITE 28 MEDIUM GREY (6")
 PAINT- SHERWIN WILLIAMS SW1910

LEGEND

- DEMOLITION
- EXISTING PARTITION
- NEW PARTITION



DEMOLITION LOUNGE LOWER LEVEL FLOOR PLAN
 1/4"=1'-0"



LOUNGE LOWER LEVEL FLOOR PLAN
 1/4"=1'-0"

NO.	REVISION	DATE	BY	CHKD.

FILE: N:\ARC\BDRZ\N:\ARC\JMW and N:\ARC\LOUNGE\BDRZ
 DATE: 03/29/01
 DESIGNED: JMW
 DRAWN: VLM
 CHECKED: []

Bar is one inch on original drawing, not one inch on this sheet, adjust scale.

VERIFY SCALE

SHEET **A4**
 SEQ. 4 of 7A

ACD: R4 15:07 (Structure Lock)
 (KGC0058) N:\ARC\JMW\44.DWG
 MAR 30, 2001 3:33:05 P.M. LRS: 1.00
 3 REFERENCE FILES: N:\ARC\BDRZ, N:\ARC\JMW and N:\ARC\LOUNGE\BDRZ
 User: VLM



KILGORE COLLEGE RANGERRETTE GYM
 KILGORE, TEXAS
 ARCHITECTURAL
 GYM FLOOR PLAN

NO.	REVISION	BY	DATE	FRN JOB NO.	KCC00591
				FILE	A2.DWG
				DATE	03/29/01
				DESIGNED	JMM
				DRAWN	VLM
				REUSED	
				CHECKED	

Bar is one inch on original drawing if not one inch on this sheet, adjust scale.

VERIFY SCALE

SHEET A2

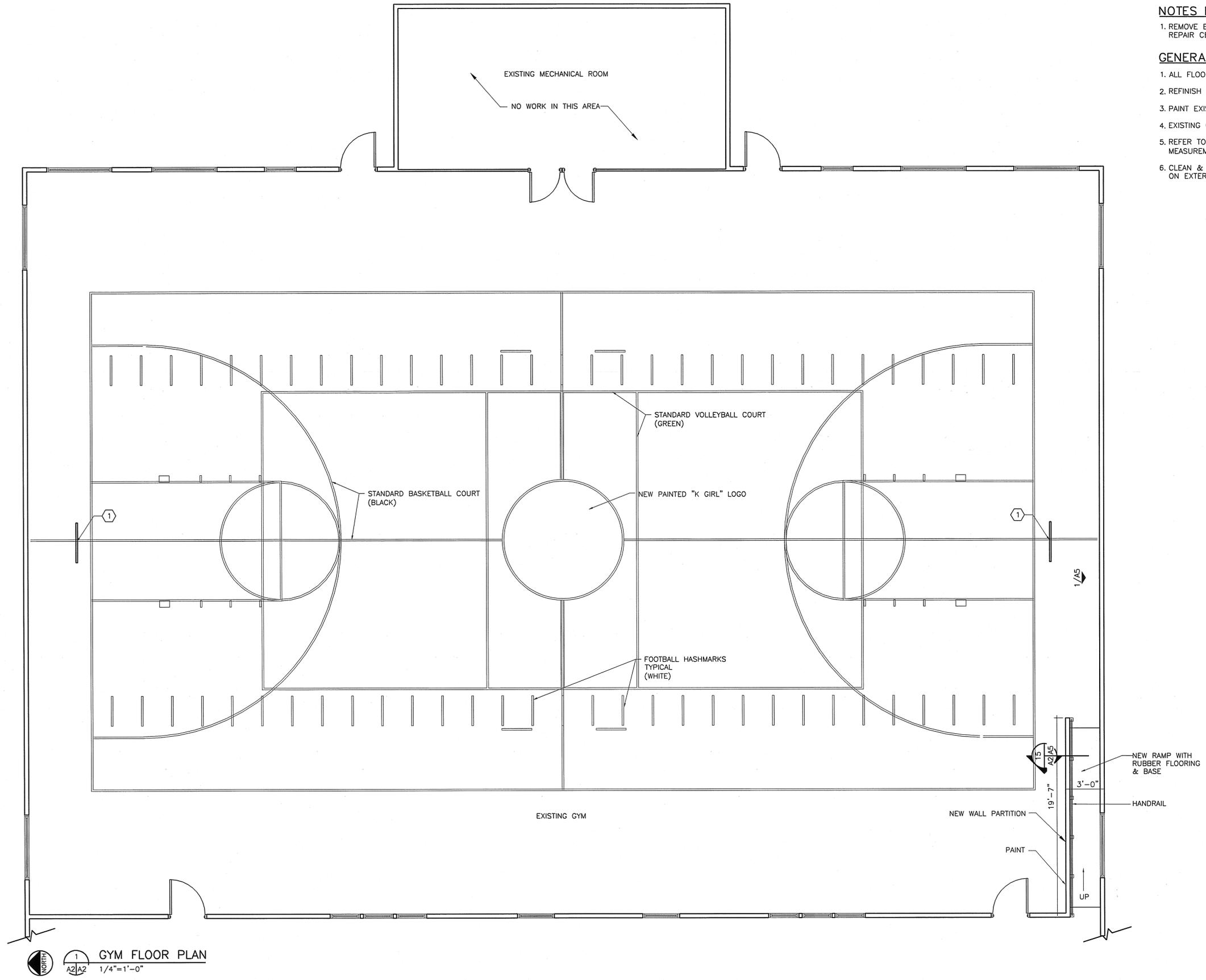
SEC. 2 of 7A

NOTES BY SYMBOL "O"

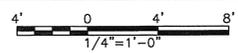
1. REMOVE EXISTING BASKETBALL GOALS. REPAIR CEILING AND WALL.

GENERAL NOTES

1. ALL FLOOR STRIPING TO BE STANDARD COURT SIZES.
2. REFINISH EXISTING WOOD FLOOR.
3. PAINT EXISTING WALLS REFER TO SHEET 1/A5.
4. EXISTING CEILING GRID AND LIGHT FIXTURES TO REMAIN.
5. REFER TO COLLEGE FOR EXACT DRAWING AND MEASUREMENTS OF "K GIRL".
6. CLEAN & REPAIR ALL LEADER HEADS & DOWN SPOUTS ON EXTERIOR WALLS.



GYM FLOOR PLAN
 1/A2 1/4"=1'-0"



ACAD Plot 15:00 (Structure Lock)
 [KCC00591]N:\ARC\GYM\FLOOR.DWG
 JAN 26, 2001 5:06:57 P.M. TWIST: 0.0
 Z REFERENCE FILES: C:\VICKI\KILGORE\RANGERRETTE\DRG and SHIMBASE
 User: VLM