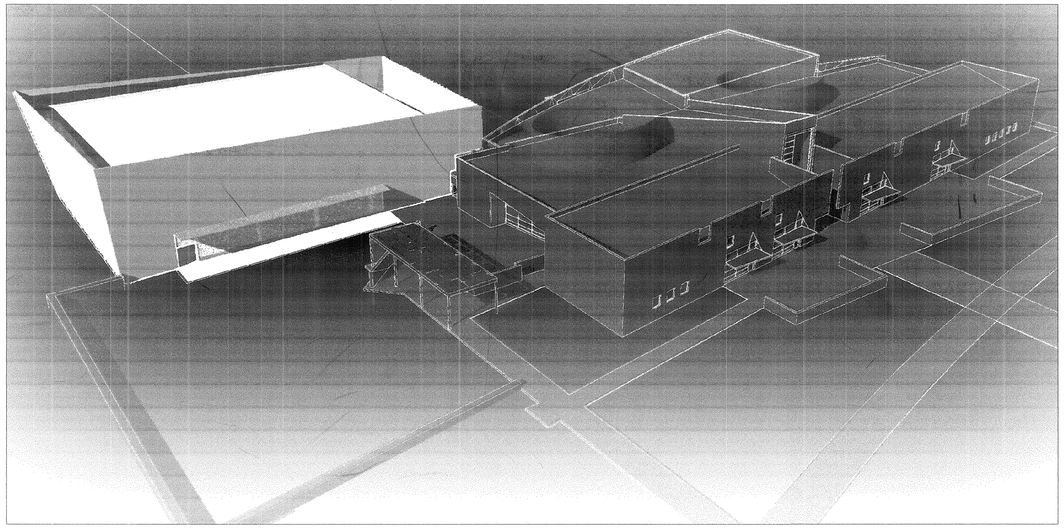
GYMNASIUM ADDITION

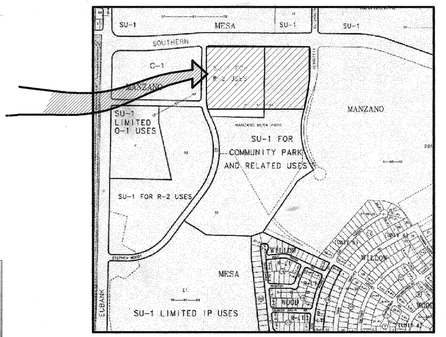
MANZANO MESA MULTI-GENERATIONAL CENTER

City of Albuquerque

Department of Senior Affairs
Department of Family and Community Services
Albuquerque, New Mexico

JULY 22, 2002





Vicinity Map L-21-Z

APPROVAL OF RECORD DRAWINGS
~~CHIEF CONSTRUCTION ENGINEER~~
DATE 10/21/05

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

DRAWING INDEX

GENERAL
1 G001 COVER SHEET
2 G002 CODE PLAN
3 G003 GENERAL NOTES & WALL TYPES

ARCHITECTURAL SITE
4 AS101 SITE PLAN

CIVIL
5 C1 GENERAL NOTES - CIVIL
6 C2 HYDROLOGY PLAN
7 C3 HORIZONTAL AND VERTICAL LAYOUTS

LANDSCAPE
8 L101 IRRIGATION PLAN
9 L102 PLANTING PLAN

STRUCTURAL
10 S0.0 GENERAL NOTES
11 S0.1 TYPICAL DETAILS
12 S1.1 FOUNDATION PLAN
13 S2.1 ROOF FRAMING PLAN
14 S2.2 PARAPET SUPPORT FRAMING PLAN
15 S3.1 SECTIONS/DETAILS
16 S4.1 SECTIONS/DETAILS
17 S4.2 SECTIONS/DETAILS
18 S5.1 BRACE FRAME ELEVATIONS

ARCHITECTURAL
19 A101 FLOOR PLAN
20 A110 ROOF PLAN
21 A120 REFLECTED CEILING PLAN
22 A201 ELEVATIONS
23 A301 SECTIONS
24 A310 INTERIOR ELEVATIONS
25 A401 WALL SECTIONS
26 A402 FRAME SCHEDULE
27 A410 FOYER PLANS AND ELEVATIONS
28 A411 COURT LAYOUT PLAN
29 A501 TOILET ROOM PLANS & ELEVATIONS
30 A601 ROOF DETAILS
31 A602 DETAILS
32 A603 DETAILS
33 A604 DETAILS
34 A605 DETAILS
35 A606 DETAILS
36 A801 FINISH SCHEDULE
37 A810 DOOR & WINDOW SCHEDULE

PLUMBING
38 P101 PLUMBING FLOOR PLAN
39 P102 ENLARGED PLUMBING PLAN AND DIAGRAMS
40 P103 PLUMBING SCHEDULE AND DETAILS

MECHANICAL
41 M101 HVAC FLOOR PLAN
42 M102 HVAC SCHEDULES
43 M103 HVAC SCHEDULES
44 M104 HVAC ROOF PLAN

ELECTRICAL
45 E 1.1 SITE UTILITIES PLAN
46 E 2.1 LIGHTING PLAN
47 E 3.1 POWER & SPECIAL SYSTEMS
48 E 4.1 ELECTRICAL DETAILS
49 E 4.2 SYMBOL LEGEND

SITE DEVELOPMENT PLAN - FOR REFERENCE ONLY.

Total Sheets : 82

Kells + Craig

Architects, Inc. • AIA • 400 GOLD SW, SUITE 880 • Albuquerque, New Mexico 87102 • (505) 243-2724

PROPERTY INFORMATION

Legal Description: Tract G-2, Manzano Mesa
Bernalillo County, NM

Address: 501 ELIZABETH SE

Zoning: SU-1

EPC Case No. for Site Development Plan Approval: Z-99-101

DRB Case No.: DRB-97-209, SV-97-61, 1000897

Total Site Area: 47.95 Acres (total site)

CONSULTANTS

Civil Engineering
Smith Engineering — 6400 Uptown Blvd. NE, Albuquerque, NM 87110, (505) 884-0700

Landscape Consultant
Consensus Planning — 924 Park Avenue SW, Albuquerque, NM 87102, (505) 764-9801

Structural Engineering
Red Mountain Engineering — 4600 Montgomery NE, Albuquerque, NM 87109, (505) 889-3004

Mechanical Engineering
Giomi Engineering — 3216 Silver SE, Albuquerque, NM 87106, (505) 268-5421

Electrical
CME — 6400 Uptown Blvd. NE, Albuquerque, NM 87110, (505) 884-0700

GENERAL NOTES

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ARCHTCT. STAMP & SIGNATURE

STATE OF NEW MEXICO — Jonathan S. Craig No. 1599 — 7.25.02 — REGISTERED ARCHITECT

APPROVALS	ENGINEER	DATE
DRC Chairman		8/1/02
Transportation		
Water/Wastewater		
Hydrology	N/A	
Parks		
Constr. Mngmt.		

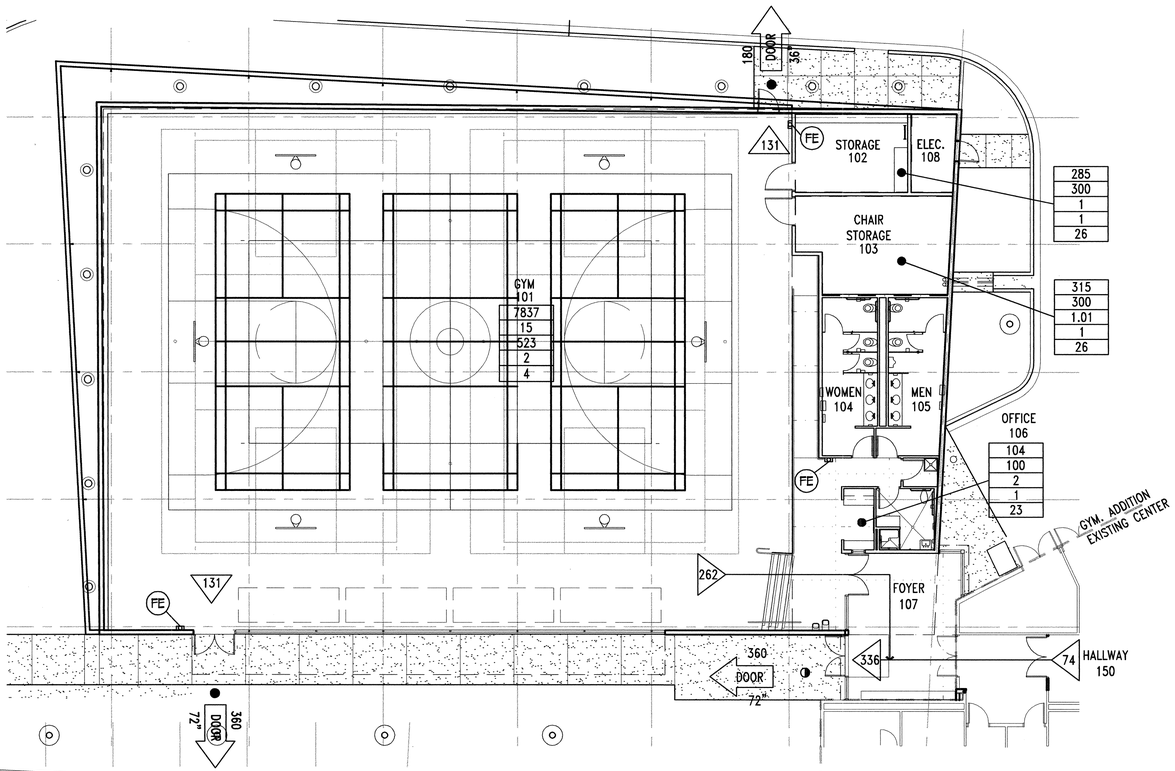
* * * * * * * * * * * * * *
APPROVED FOR CONSTRUCTION
City Architect — Date 8/1/2002
City Engineer — Date 8/1/02

City Project No. 5751.93
5751.93

Sheet 1 Of 49 ~~82~~
G001

TOTAL Sheets : 82

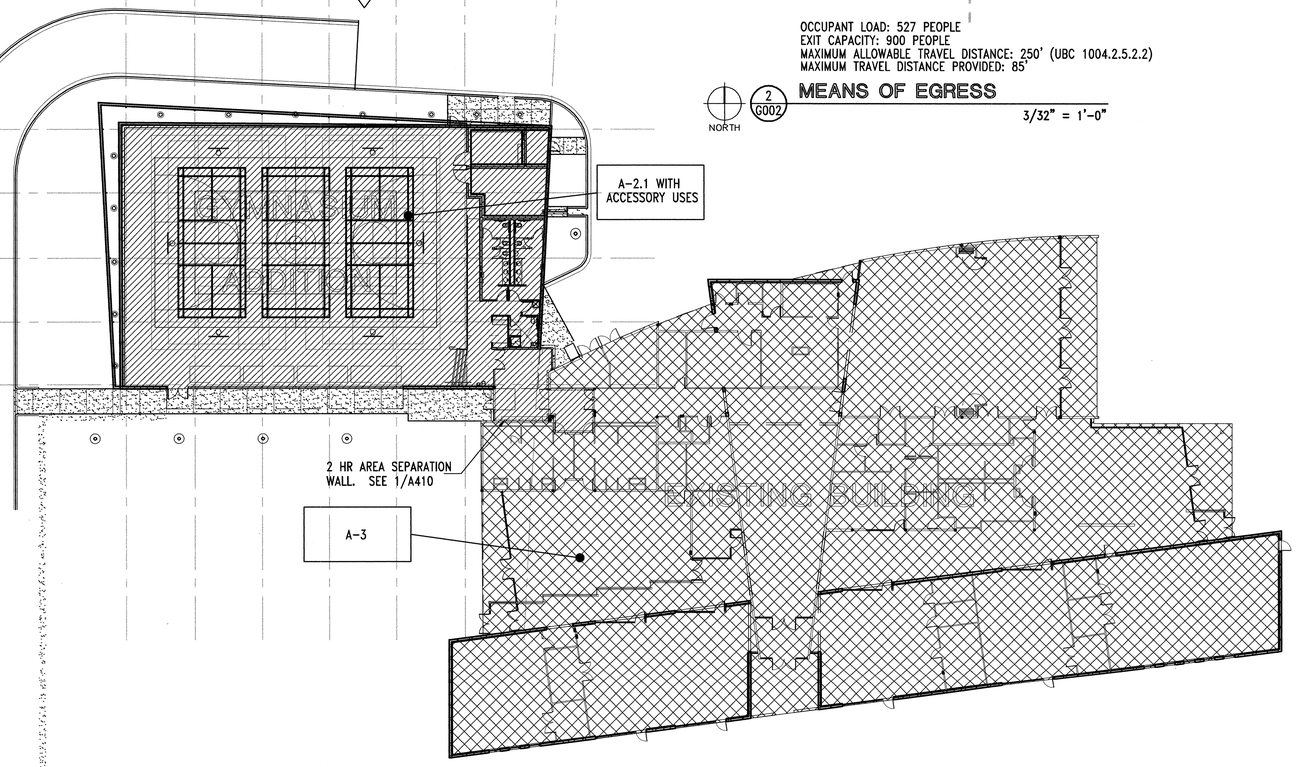
90



OCCUPANT LOAD: 527 PEOPLE
EXIT CAPACITY: 900 PEOPLE
MAXIMUM ALLOWABLE TRAVEL DISTANCE: 250' (UBC 1004.2.5.2.2)
MAXIMUM TRAVEL DISTANCE PROVIDED: 85'

MEANS OF EGRESS

3/32" = 1'-0"



OCCUPANCY CLASSIFICATION

3/64" = 1'-0"

CODE ANALYSIS

ADDRESS
501 ELIZABETH STREET SE
ALBUQUERQUE, NM

LEGAL DESCRIPTION
TRACT G-2, MANZANO MESA, CITY OF ALBUQUERQUE,
BERNALILLO COUNTY, NEW MEXICO

ZONING
SU-1 FOR COMMUNITY PARK AND RELATED FACILITIES
APPLICABLE CODE
UNIFORM BUILDING CODE 1997

SEISMIC ZONE 2B
GROSS FLOOR AREA OF EXISTING BUILDING AND GYMNASIUM ADDITION (EXCLUDING OVERHANGS): 35,228 SF
AREA OF ROOF OVERHANGS: 2262 SF
TOTAL FLOOR AREA OF EXISTING AND ADDITION (INCLUDING OVERHANGS): 37490 SF

GYMNASIUM ADDITION BUILDING AREA:
GROSS SQUARE FEET: 10,070 sf.
OVERHANGS: 15 sf.
TOTAL AREA: 10,085 sf.

GYMNASIUM ADDITION HEIGHT: 36'-6"
EXISTING BUILDING HEIGHT: 34'-6"
NO. OF STORIES: 1
LOT SIZE: 36.6 ACRES

GYMNASIUM ADDITION
CONSTRUCTION TYPE (UBC 606): TYPE V ONE-HOUR: SPRINKLER SUBSTITUTION FOR ONE-HOUR
MEANS OF EGRESS (UBC CHAPTER 10): SEE 2/G002

GYMNASIUM ADDITION OCCUPANCY CLASSIFICATION (UBC 3-A): SEE 1/G002

OCCUPANCY	CONSTRUCTION TYPE	AREA	BASE ALLOWABLE	FACTOR	ADJUSTED ALLOWABLE
A2.1	V1HR	10,085 SF	10,500	X1.5 +	15,750

EXISTING BUILDING OCCUPANCY CLASSIFICATION (UBC 3-A): SEE 1/G002

OCCUPANCY	CONSTRUCTION TYPE	AREA	BASE ALLOWABLE	FACTOR	ADJUSTED ALLOWABLE
A3	VN	25,176 SF	6,000	X4.5 +*	27,000

FACTOR OBTAINED AS FOLLOWS:
+ SEPARATION ON 2 SIDES 1.25% FOR EACH FOOT OVER 20, MAX. 50% (60-20)X1.25%=50% X1.5
* AUTOMATIC SPRINKLER SYSTEM X3

REQUIRED OCC. SEPARATIONS (UBC TABLE 3B)

	A2.1	A3	M	S1	S2
A2.1	•				
A3	0	•			
M	1HR	0	•		
S1	1HR	0	1HR	•	
S2	1HR	0	1HR	1HR	•

PLUMBING (UBC A-29-A)

PLUMBING FIXTURES (UBC A-29-A)
EXISITNG BUILDING AND GYM ADDITION

TOTAL REQUIRED	OCC. TYPE	OCC. FACTOR	AREA	OCC. LOAD	OCC. PER SEX	UNISEX W.C.'S	UNISEX LAV.'S	MEN'S W.C.'S	MEN'S LAV.'S	WOMEN'S W.C.'S	WOMEN'S LAV.'S
SOCIAL HALL	A30	30	4011.3								
EXCERCISE ROOM	A30	30	1622.5	548	274			5	5	5	5
GAMES & BILLIARDS	A30	30	1663.0								
SITTING ROOM	A30	30	1303.6								
GYM.	A30	30	7837								
ADMIN. AREA	B	200	1087.9	7.2	4			1	1	1	1
GIFT SHOP	M	200	249.6								
OFFICE, GYM	B	200	104								
CLASSROOM AREA	E	50	5309.9	106.2	54			2	2	2	2
KITCHEN AREA		200	797.3	3.99	*	1	1	(*<10 OCC., BUILDING OFFICIAL MAY APPROVE UNISEX)			
TOTAL REQUIRED				665.4		1	1	8	8	8	8

TOTAL PROVIDED	UNISEX W.C.'S	UNISEX LAV.'S	MEN'S W.C.'S	MEN'S URINALS	MEN'S LAV.'S	WOMEN'S W.C.'S	WOMEN'S LAV.'S
UNDESIGNATED	1	1	7	3*	10	10	10
KITCHEN AREA	1	1					

*NOTE: URINALS MAY BE SUBSTITUTED FOR UP TO 50% OF REQUIRED NO. OF MEN'S W.C.'S
DRINKING FOUNTAINS REQUIRED 665.4 OCC.X 1 DRINKING FOUNTAINS/150 OCC. = 5
DRINKING FOUNTAINS PROVIDED 5

PARKING

	AREA	OCC. LOAD	PARKING FACTOR	SPACES REQ'D.
GYM	7837	15	1/4 OCC.	131
OFFICE	104	100	1/2 OCC.	52
TOTAL REQUIRED				132

	TOTAL SPACES	ACCESSIBLE SPACES	VAN SPACES	BIKE SPACES
FACILITY TOTAL REQUIRED:	356	12	2	18
FACILITY TOTAL PROVIDED:	251*	16	3	18

*NOTE: SUPLIMENTAL OVERFLOW PARKING MAY BE PROVIDED TEMPORARILY IN PROPOSED NEW PARKING AREA UNTIL SITE PARKING IS COMPLETE

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

LEGEND

100 SF	APPROX. FLOOR AREA OF ROOM OR AREA
50	OCCUPANT LOAD FACTOR (UBC 10-A)
1	CALCULATED OCCUPANT LOAD
2	NUMBER OF EXITS REQUIRED (UBC 10-A)
30	USE CATEGORY (UBC 10-A)

X DOOR X — EGRESS CAPACITY OF DOOR AT 0.2"/PERSON; WIDTH OF DOOR OPENING (IN INCHES)
X — REQUIRED EXIT W/ ESTIMATED NUMBER OF PERSONS USING THIS DOOR
◑ ACCESSIBLE ENTRANCE / EXIT
● ACCESSIBLE EXIT (REQUIRED EXIT)
FE — FIRE EXTINGUISHER, SEE SPECS FOR TYPE
— — REQUIRED 1-HR OCCUPANCY SEPARATION (UBC 3-B)
— · — REQUIRED 1-HR OCCUPANCY SEPARATION BY FIRE MARSHAL
A-2.1 W/ ACCESSORY USES
A-3 W/ ACCESSORY USES

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7-25-02

NO.	DATE	REVISIONS/REMARKS	BY
1	07/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
CODE PLAN

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.99
Zone Map No. L-21-Z
Sheet 2 Of 49
G002

SYMBOLS LEGEND

- 1/A302 — ENLARGED FLOOR PLAN OR DETAIL
- 1/4 A100 2/3 — INTERIOR ELEVATION
- 5/A8 — INTERIOR ELEVATION
- 3 — DOOR NUMBER
- (3) — KEYNOTE
- 1/A302 — WALL SECTION
- 1/A302 — BUILDING SECTION
- 1/A302 — EXTERIOR ELEVATION
- 1DS — PARTITION TYPE
- 6 — WINDOW TYPE
- EDGE OF FLOOR FINISH (SEE FINISHES PLAN)
- A — TOILET ROOM ACCESSORY
- FE — FIRE EXTINGUISHER

- SUSPENDED FLOURESCENT LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- SURFACE MTD. FLOURESCENT LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- 2'X4' FLOURESCENT TROFFER. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- SOFFIT MOUNTED FLOURESCENT LIGHT W/ EGGCRATE DIFFUSER. SEE DETAIL 1/A506. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- RECESSED DOWN LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- RECESSED DIRECTIONAL DOWN LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- WALL MOUNTED LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- RECESSED WALL MOUNTED LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- SURFACE MOUNTED LIGHT. SEE ELECTRICAL SHEETS FOR MODEL AND MANUFACTURER.
- CEILING MOUNTED SUPPLY DIFFUSER
- CEILING MOUNTED RETURN DIFFUSER
- CEILING MOUNTED EXHAUST FAN
- GYP. BOARD OR STUCCO CEILING
- CORRUGATED METAL WALL PANEL

ABBREVIATIONS

@	AT
A.B.	ANCHOR BOLT
ACOUST.	ACOUSTICAL
ADA	AMERICANS WITH DISABILITIES ACT
A.F.F	ABOVE FINISHED FLOOR
AGG.	AGGREGATE
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
BD.	BOARD
BLDG.	BUILDING
BM.	BEAM
B.O.	BOTTOM OF
BOT.	BOTTOM
BRG.	BEARING
℄	CENTER LINE
CAB.	CABINET
CJ	CONTROL JOINT
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.A.	CITY OF ALBUQUERQUE
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CONT'D.	CONTINUED
DET.	DETAIL
DIA.	DIAMETER
DN.	DOWN
DTL.	DETAIL
DWGS.	DRAWINGS
EA.	EACH
EJ	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
EQ.	EQUAL
EXIST.	EXISTING
EXPAN.	EXPANSION
EXT.	EXTERIOR
FE	FIRE EXTINGUISHER
F.F	FINISH FLOOR
FIN.	FINISH
FLR.	FLOOR
F.O.F.	FACE OF FINISH
GA.	GAUGE OR GAGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
GYP.	GYPSUM
GSM.	GALVANISED SHEET METAL
HC	HANDICAPPED ACCESSIBILE
HGT.	HEIGHT
HM	HOLLOW METAL
HR	HOUR
HVAC	HEATING VENTILATION AND AIR CONDITONING
I.D.	INTERIOR DIAMETER
INFO.	INFORMATION
INT.	INTERIOR
JT.	JOINT
JST.	JOIST
MAX.	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MNT'D	MOUNTED
M.O.	MASONRY OPENING
MTL.	METAL
M.R.	MOISTURE RESISTANT
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
OCC.	OCCUPANCY
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPG.	OPENING
OPP.	OPPOSITE
P. LAM.	PLASTIC LAMINATE
PLYWD.	PLYWOOD
P.S.I.	POUNDS PER SQUARE INCH
REINF.	REINFORCED
REFL.	REFLECTED
REQ'D.	REQUIRED
RM.	ROOM
R.O.	ROUGH OPENING
SIM.	SIMILAR
SHT.	SHEET
SPECS.	SPECIFICATIONS
STL.	STEEL
STRUCT.	STRUCTURE
STOR.	STORAGE
SUSP.	SUSPENDED
THK.	THICK
T.O.	TOP OF
T.O.A.	TOP OF ASPHALT
T.O.C.	TOP OF CONCRETE
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PARAPET
T.O.WIN.	TOP OF WINDOW
TPO	THERMOPLASTIC POLYOLEFIN
T.S.	TUBE STEEL
TYP.	TYPICAL
U.L.	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VEST.	VESTIBULE
V.I.F.	VERIFY IN FIELD
W/	WITH
WIN.	WINDOW
WRT	WITH RESPECT TO
WWM	WELDED WIRE MESH

PARTITION SCHEDULE

NOTES:
- A SEE FINISH SCHEDULE FOR LOCATION OF TYPE X GYP. BD. AND M.R.
- B GYP. BD. AND ABUSE RESISTANT GYP. BD. GC TO PROVIDE AND INSTALL FIRE SAFING WHERE RATED
- C WALL PENETRATIONS ARE MADE BY OTHER TRADES, TYP. GC TO REFER TO MECH. AND PROVIDE OPENINGS IN PARTITIONS
- D AS SHOWN FOR RETURN AIR. WHERE STUD GAUGES SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS DO NOT CORRESPOND, THE HEAVIER GAUGE SHOWN WILL TAKE PRECEDENCE, TYP.

3 5/8" NON-RATED PARTITIONS

(1C) 3- 5/8", 25 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE. CARRY GYP. BD. TO 6" ABOVE HT. OF FINISHED CEILING.

(1CS) 3- 5/8", 25 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE AND 3-1/2" SOUND ATTENUATION BATT INSULATION. CARRY ENTIRE ASSEMBLY TO 6" ABOVE HT. OF CEILING.

(1CX) 3- 5/8", 20 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE. CARRY ENTIRE ASSEMBLY TO 6" ABOVE HT. OF CEILING.

6" NON-RATED PARTITIONS

(2C) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE. CARRY ENTIRE ASSEMBLY TO 6" ABOVE HT. OF FINISHED CEILING.

(2CX) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD ON OFFICE SIDE, 5/8" GYP. SHEATHING WITH 3 COAT CEMENT PLASTER ON OTHER SIDE, AND 3 1/2" SOUND ATTENUATION BATT INSULATION. CARRY ENTIRE ASSEMBLY TO 6" ABOVE HT. OF FINISHED CEILING.

(2CS) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE AND 3 1/2" SOUND ATTENUATION BATT INSULATION. CARRY ENTIRE ASSEMBLY TO 6" ABOVE HT. OF FINISHED CEILING.

(2D) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE. CARRY ENTIRE ASSEMBLY TO UNDERSIDE OF ROOF DECK. (UL #U465)

(2DS) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE AND 3-1/2" SOUND ATTENUATION BATT INSULATION. CARRY ENTIRE ASSEMBLY TO UNDERSIDE OF ROOF DECK. (UL #U465)

(3CS) 6", 20 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE AND 3 1/2" SOUND ATTENUATION BATT INSULATION. ASSEMBLY TO SUPPORT CEILING.

PLUMBING CHASE WALL

(P1) PLUMBING CHASE: (2) ROWS 3 5/8", 25 GA. METAL STUDS @ 16" O.C. W/ 5/8" TYPE "X" GYP. BD @ OUTSIDE FACES, W/ 3-1/2" SOUND ATTENUATION BATTS. CARRY ENTIRE ASSEMBLY TO 6" ABOVE HT. OF FINISHED CEILING. SEE PLANS FOR CHASE WIDTHS.

1 HOUR PARTITIONS (USE UL #U465)

(R1) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE. CARRY ENTIRE ASSEMBLY TO UNDERSIDE OF ROOF DECK.

(R1S) 6", 22 GA. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD EACH SIDE AND 3-1/2" SOUND ATTENUATION BATT INSULATION. CARRY ENTIRE ASSEMBLY TO UNDERSIDE OF ROOF DECK. (UL #U465)

2 HOUR PARTITIONS (USE UL #U425)

(R2) 3 5/8", 20 GA. METAL STUDS @ 16" O.C. WITH 2 LAYERS OF 5/8" TYPE "X" GYP. BD. EACH SIDE. CARRY ENTIRE ASSEMBLY TO UNDERSIDE OF ROOF DECK.

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.

B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.

C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.

D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.

E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:
MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.
GROUND TO GRID FACTOR: 0.99964485

BENCH MARK
C.O.A. BENCHMARK "8-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	

FROM SURVEYING CONTROL, INC.

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT

PLAN CHECK AND DRC REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY	
1	07/23/02			
			DESIGNED BY: SK	DATE: 7/22/02
			DRAWN BY: DF/JCS	DATE: 7/22/02
			CHECKED BY: PKH	DATE: 7/22/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

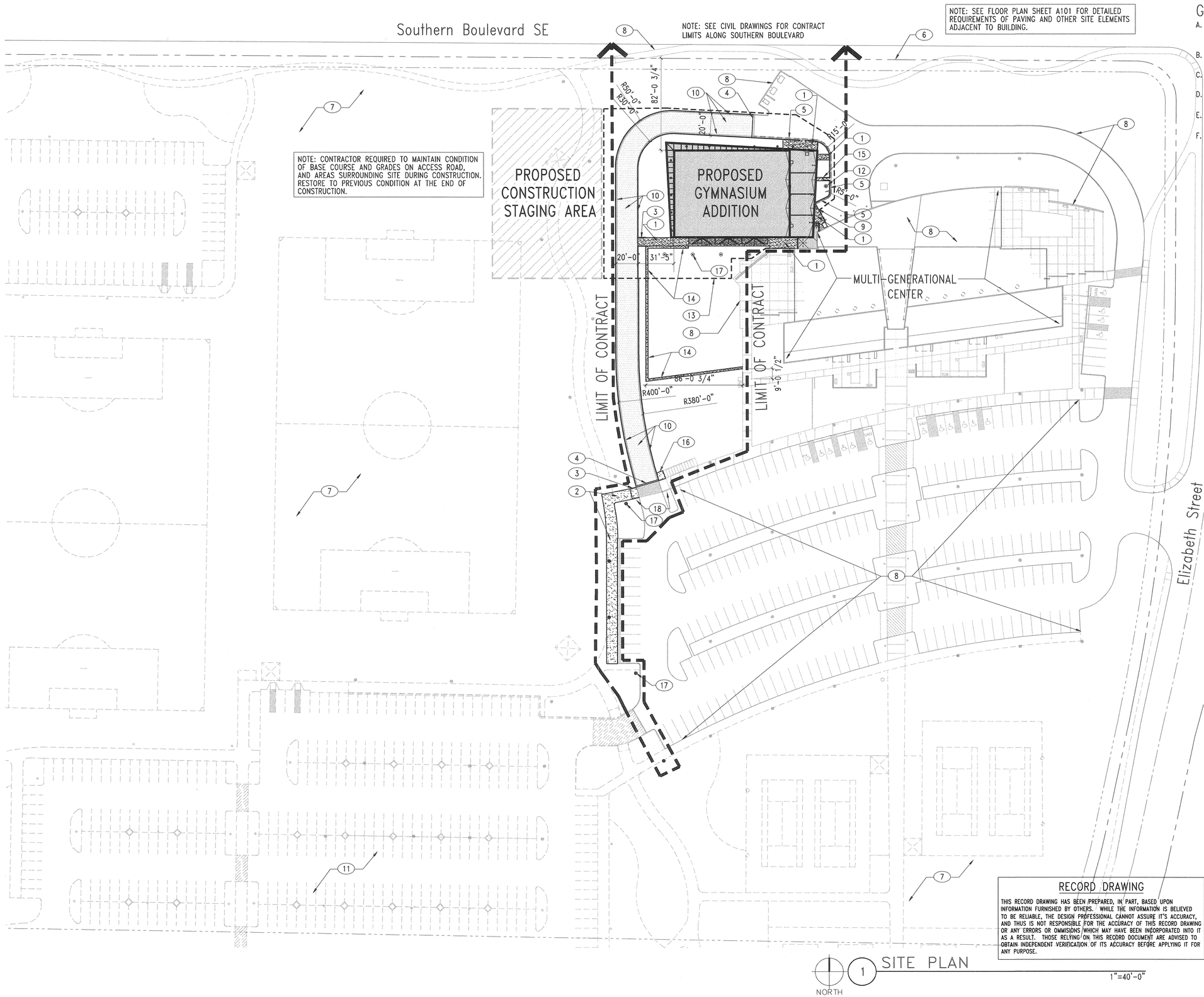
Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
GENERAL NOTES/ WALL TYPES

Design Review Committee — APPROVED — AUG 1 2002 — REVIEWED FOR CODE COMPLIANCE
City Engineer Approval — APPROVED — AUG - 1 2002
Last Design Update — MO./DAY/YR. — MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 3 Of 49
G003



GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.
F. ALL SITE CONCRETE TO BE 4000 PSI. INSTALL IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION U.N.O

KEYED NOTES

1 4" THICK 4000 PSI CONCRETE SIDEWALK. COLORED, SALT FINISH.
2 10' WIDE, 4" THICK 4000 PSI CONCRETE SIDEWALK. COLORED, SALT FINISH.
3 CURB RAMP WITH CURB RETURNS.
4 EXISTING CONCRETE PAVING EDGE TO REMAIN.
5 INSTALL CURB AND GUTTER.
6 PROPERTY LINE.
7 PROPOSED FUTURE CONSTRUCTION, TYP.
8 EXISTING WORK NOT IN CONTRACT.
9 CONCRETE-FILLED BOLLARD, SEE DETAIL 20/A606.
10 NEW ONE-WAY ASPHALT DRIVE WITH CONCRETE CURB AND GUTTER, SEE CIVIL DRAWINGS.
11 FUTURE ASPHALT PARKING AREA.
12 12' POLE MOUNTED LIGHT.
13 LOCATION OF TEMP. CONSTRUCTION FENCING
14 MOW STRIP, SEE DETAIL 16/A606
15 CONCRETE COVER OVER ROOF DRAIN OUTLETS, WITH CONCRETE RUN-DOWN, SEE CIVIL DRAWINGS
16 EXTEND 4" THICK 4000 PSI CONCRETE PAVING BETWEEN EXISTING BIKE LOCKERS AND SERVICE BUILDING. COLORED, SALT FINISH.
17 NEW POLE LIGHT, TYPICAL. SEE ELECTRICAL.
18 SIGN. TO READ "ONE WAY DO NOT ENTER" PER C.O.A. STANDARD DRAWING.

BUILDING & SITE AREAS

PHASE 1 STRUCTURE (UNDER CONSTRUCTION)	25,178 GSF
PHASE 2 STRUCTURE (GYM ADDITION)	10,085 GSF
TOTAL PHASE 1 + PHASE 2	35,263 GSF
SITE AREA (INCLUDES FUTURE PARK)	47.95 ACRES

LEGEND

TEMPORARY ASPHALT CURB
TEMP. CONSTUCTION FENCE
LIMIT OF CONTRACT
EXTENT OF NEW ASPHALT PAVING

NOTE: SEE CIVIL DRAWINGS FOR EXTENT OF GRADING, DRAINAGE AND CURB AND GUTTER WORK.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

NORTH
1 SITE PLAN
1"=40'-0"

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:
MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

NO.	DATE	REVISIONS/REMARKS	BY
1	7/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SITE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DEVELOPMENT REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 4 Of 49 | AS101

WED, JUN 20, 2001 05:10 P AG \\SERVER\SHARE\PROJECTS\9709\9709-GYM_ADD\9709_GYM_AS101.DWG X-REFS: 9709_GYM_TB.DWG, 9709_GYM_SITE.DWG, 9709_GYM_BASE.DWG, 9709_MMC_BASE.DWG

1 THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.

2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE FIELD ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE FIELD ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.

3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.

4 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

5 ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.

6 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.

7 THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.

8 ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

9 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

10 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.

11 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

12 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY. CONTRACTOR WILL COORDINATE THROUGH CITY UTILITY COORDINATOR.

13 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE CITY FIELD ENGINEER.

14 THE CONTRACTOR WILL NOTIFY THE UTILITY COMPANIES BY CALLING NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.

15 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.

16 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.

17 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.

18 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.

19 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.

20 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE C.O.A.

21 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.

22 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.

23 ALL REINFORCING STEEL TO BE GRADE 60.

24 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.

25 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

26 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE CITY FIELD ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

27 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.

28 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE CITY FIELD ENGINEER.

29 THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 764-1599, ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS PROJECT. ALL WORK ASSOCIATED WITH NEW TRAFFIC SIGNALIZATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

30 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.

31 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

32 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CITY FIELD ENGINEER.

33 THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

34 ALL CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

35 EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE CITY FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.

36 ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.

37 ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

38 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.

39 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

40 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.

41 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED

42 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.

43 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.

44 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE COA ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

45 ALL CLASSES OF SEEDING SHALL BE DRY LAND MIX PLACED AT 1.5 LBS/1000 S.F. WITH FERTILIZER 21-12-12 PLACED AT 5 LBS/1000 S.F.

46 PRE-WETTING OF THE EMBANKMENT FOUNDATION AND KEY TRENCH SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE EMBANKMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

47 ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.

48 ALL RIP-RAP MATERIAL USED ON THIS PROJECT SHALL BE A NATURAL ROCK MATERIAL CONFORMING TO THE SIZE AND MATERIAL PROPERTY REQUIREMENTS SET FORTH IN THE COA STANDARD SPECIFICATIONS. NO BROKEN CONCRETE OR RUBBLE WILL BE ACCEPTED.

EXISTING FEATURES LEGEND:

- EXISTING CHAIN-LINK FENCE
- EXISTING GAS LINE W/ VALVE
- EXISTING WATERLINE W/ VALVE
- EXISTING WATERLINE METER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER LINE W/ MANHOLE
- EXISTING STORM DRAIN
- EXISTING UTILITY POLE
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- EXISTING CURB & GUTTER
- EXISTING EDGE OF PAVEMENT
- EXISTING CONCRETE
- EXISTING BUILDING LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT LINE
- EXISTING R/W LINE

NEW FEATURES LEGEND:

- CONSTRUCTION CENTERLINE
- NEW CHAIN-LINK FENCE
- NEW GAS LINE W/ VALVE
- NEW WATERLINE W/ VALVE
- NEW WATERLINE METER
- NEW FIRE HYDRANT
- NEW SANITARY SEWER LINE W/ MANHOLE
- NEW STORM DRAIN
- NEW UTILITY POLE
- NEW 1' CONTOUR
- NEW 5' CONTOUR
- NEW CURB & GUTTER
- NEW CONCRETE
- NEW EASEMENT LINE
- POT HOLE LOCATION W/ NO.
- NEW EDGE OF PAVEMENT
- FL FLOWLINE
- T.A. TOP OF ASPHALT

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "8-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5500.67
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ENGINEERS STAMP
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
7/19/02

NO.	DATE	REVISIONS/REMARKS	BY
1	7/19/01	ADDENDUM #1	JAB
2	8/27/01	NEW SEWER FROM ENDING MH	JAB
3	11/06/01	ADDED FOR FUTURE CMU	PJC

DESIGNED BY: JAB DATE: 9/29/00
DRAWN BY: JAB DATE: 9/29/00
CHECKED BY: PJC DATE: 9/29/00

07/22/02 PLAN CHECK AND DRC REVISIONS

SEC PROJ. NO. 199207

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

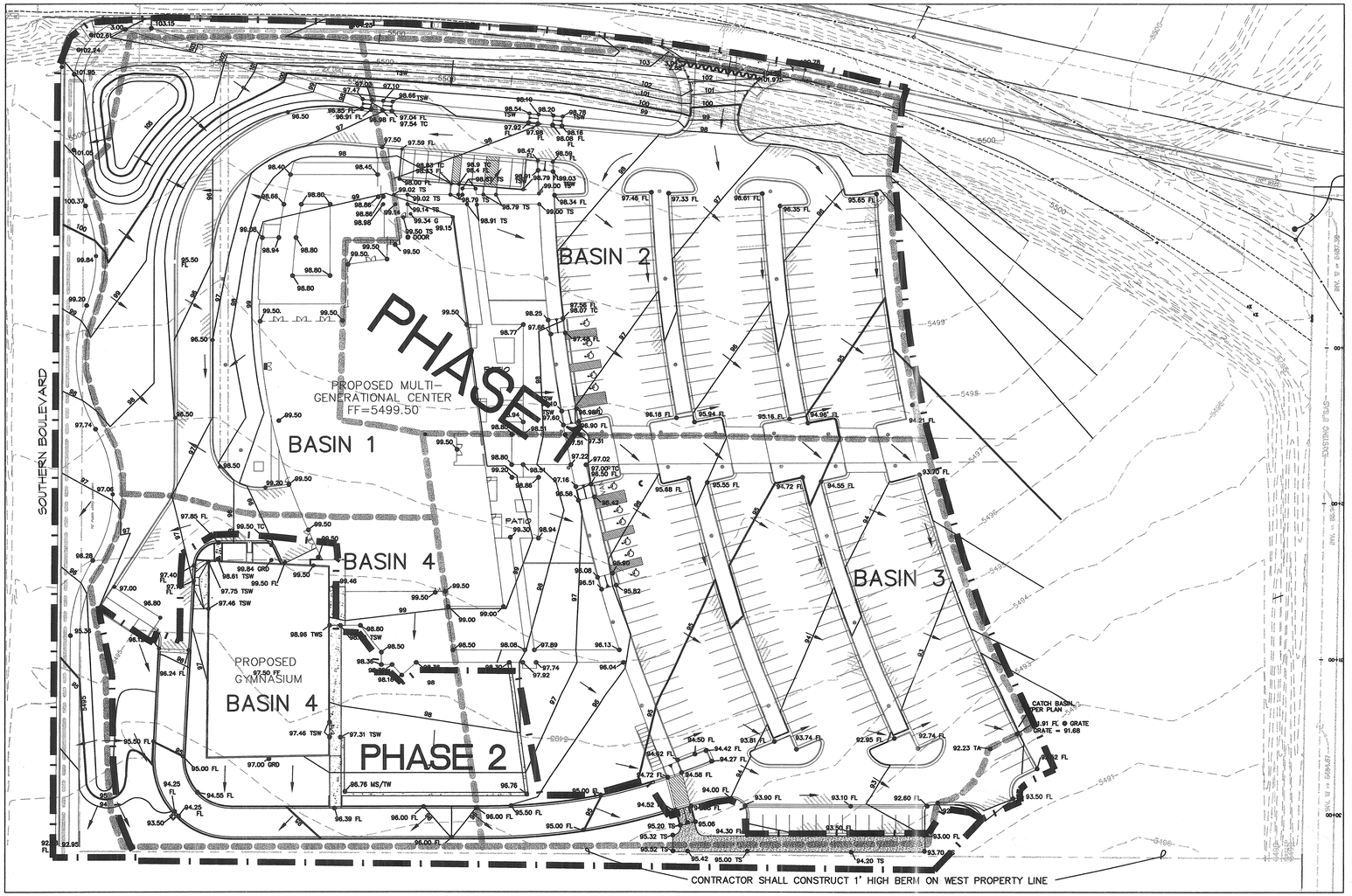
CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

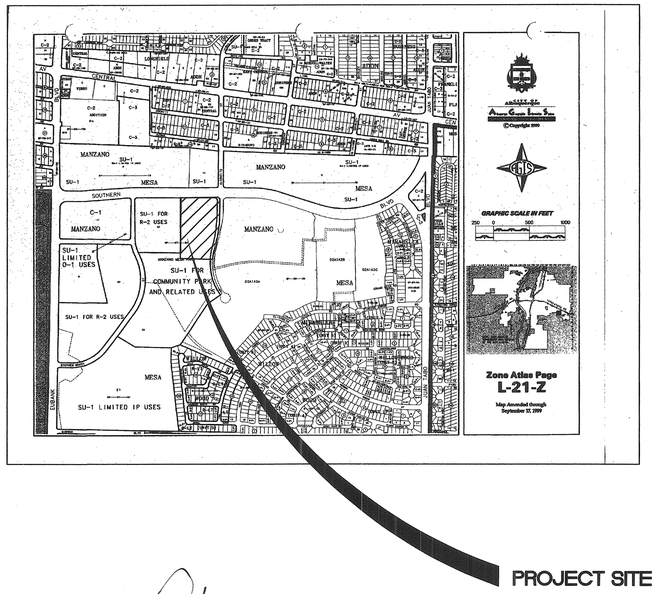
TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
GENERAL NOTES - CIVIL

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 5 of 49
C1 3

Z:\Civ_Cadd\199207d-mmgc-gym\option1\C1_Notes.dwg Fri Jul 19 10:23:30 2002 J. ALLEN BOLINGER





LEGEND

BASIN BOUNDRY

FLOW ARROW

PHASE LINE

I _____ of Smith Engineering Company a Registered Professional Engineer in the State of New Mexico, do hereby state that to the best of my knowledge and belief the grading and drainage has been constructed in general accordance with the hydrology plan and meets the original design intent of the approved hydrology plan, except as noted on the as-built construction drawings. This is based on the as-built survey information provided by TYREE Surveying Inc., (Ronald E. Tyree P.S. NMPS Number 3516).

PATRICK J. CONLEY NEW MEXICO 10141 LICENSED PROFESSIONAL ENGINEER

12/28/01

ONSITE BASIN HYDROLOGY – EXISTING CONDITIONS

BASIN	AREA (ACRES)	LAND USE AREA (ACRES)				EXISTING VOLUME 100-YR (AC-FT)	EXISTING Q100-YR (CFS)
		A	B	C	D		
1	1.5923	1.5923	0	0	0	0	3.00
2	1.7404	1.7404	0	0	0	0	3.35
3	1.9756	1.9756	0	0	0	0	3.81
4	1.1166	1.1166	0	0	0	0	2.10
TOTAL SITE	6.42	6.42	0	0	0	0.35	12.26

ONSITE BASIN HYDROLOGY – DEVELOPED CONDITIONS

BASIN	AREA (ACRES)	LAND USE AREA (ACRES)				DEVELOPED VOLUME 10-YR (AC-FT)
		A	B	C	D	
1	1.5923	0	0.7931	0	0.7992	–
2	1.7404	0	0.7197	0	1.0383	–
3	1.9756	0	0.5650	0	1.4106	–
4	1.1166	0	0.5559	0	0.5607	–
TOTAL SITE	6.42	0	2.31	0	4.11	0.44

BASIN	AREA (ACRES)	DEVELOPED Q 10-YR (CFS)	DEVELOPED VOLUME 100-YR (AC-FT)	DEVELOPED Q 100-YR (CFS)	DEVELOPED VOLUME 100-YR 10 DAY (AC-FT)
1	1.5923	3.65	–	6.07	–
2	1.7404	3.67	–	7.05	–
3	1.9756	3.62	–	8.81	–
4	1.1166	2.56	–	4.26	–
TOTAL SITE	6.42	10.94	0.81	24.22	1.31

MULTI-GENERATIONAL CENTER DRAINAGE ANALYSIS

GENERAL

Smith Engineering Company (SEC) has been retained by Kells & Craig Architect Inc. to develop the drainage and grading plan for the Multi-Generational Center. The Center is on a 6.52 acres tract of land located on the southeast side of Albuquerque, New Mexico. The site borders Southern Avenue on north, a future extension of Elizabeth Street on the east and is a 1200 feet east of Eubank Boulevard.

SITE LOCATION AND DESCRIPTION

The project area is located in Bernalillo County on the southeast side of the City of Albuquerque, New Mexico. The local climate is considered semi-desert and is hot and dry. Albuquerque receives less than 8 inches of rain per year. The project is located on the east mesa area near Kirtland Airforce Base. The area presently receives runoff from local upstream basins. The majority of the floods that effect the area come from thunderstorms that occurs in the months of July, August and September. The summer thunderstorms originate from the Gulf of Mexico. Less intense winter rainfall come from frontal activity that originates in the Pacific Ocean.

HYDROLOGIC ANALYSIS

The City of Albuquerque's Development Process Manual (DPM) Section 22.2 was used to compute the 100-year 6-hour peak flows and runoff volumes for the onsite basins. Precipitation Zone 3 along with Tables A-8, A-10 and A-11 were used for these calculations. The site was divided into four basins based on developed runoff patterns. The existing conditions flows were computed for comparison purposes only. The Rational Method was used to compute the peak flows for this analysis. The 100-year, 10-day storm was used to size the temporary pond.

A. Existing Conditions

The Multi-Generational Center is located in the north end of Manzano Mesa Park, which is zoned SU-1 for Park. The south end of the Park has been developed with five baseball diamonds, parking lots and the 45 acre-foot Manzano Mesa Detention Pond. The existing north end of the Park, where the Center is located, is undeveloped grass land overlying the sandy to gravely loam. The average slope of the existing grade is about 2% east to west. The Flood Insurance Rate Map (FIRM Panel # 35002 037C, Oct. 14, 1983) for the area delineates an existing 100-year flood plain (Zone AO) crossing the middle of the Manzano Mesa Park to the south of the Mult-Generational Center site. In April 1996 SEC completed a Conditional Letter of Map Revision (CLOMR) that proposes the elimination of this flood plain as a result of the proposed Juan Tabo Detention Basin and the existing Juan Tabo Storm Drain System located upstream. Land treatment 'A' was used to compute the existing conditions peak flow and runoff volumes. The results are summarized in the attached tables. The average 100-year peak flow is 12.26 cfs for the site.

B. Developed Conditions

The developed project site be constructed in one phase. There are provisions in the design to accommodate for future expansion of the facility. The Center is 27,764 sq. ft. building, with patios and sidewalks. The paved parking lot provides 226 parking spaces. The building, parking lot, sidewalks, patio, and service road total 170,320 sq. ft. of land treatment 'D' The remaining portion of the site is being landscaped. A small portion of the site drains to Southern Blvd. and Elizabeth Street. The site has been divided into four drainage basins. Basin 2 and 3 collect runoff by sheet flow in the parking lot. The parking lot, in each basin, is further divided into three sections by the landscape medians. The runoff is concentrated at the north curb and gutter of the medians and flows west to a 2' wide curb cut at the west end the each basin. The curb cuts discharge flow to the south. That runoff is eventually discharged to a swale at the south side of the site. The runoff in the swale then flows west to Drop Inlet # 3 and discharges to a 24" storm drain. Basin 1 collects flows via sheetflow to the service road. The flows are discharged to Drop Inlet #1 at the service road. Flows are carried through an 18" storm drain line west to Drop Inlet # 2. Basin 4 collects runoff by sheet flow to the service road and from Basin I, via the 18" stormdrain. Basin 4 discharges to Drop Inlet # 2, at the northwest end of the basin. The 24" storm drain, carries the runoff from Basins 1 and 4 and flows south to Manhole # 1 and into the temporary retention basin. Flow from Basin 3 move into Inlet #3 and then to the temporary retention pond. The pond will have a capacity of 1.31 acre-feet and a 100-year 10-day water depth of 5'. The pond is a temporary retention basin until the system can connect to the storm drain system in the park. This system will be constructed with the next phase of the park. This drainage concept is consistent with the concept provided in the analysis report for the South Eubank Storm Drain and Detention Basin prepared November, 1995.

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

BENCH MARK

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5500.67
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.999864485

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

PATRICK J. CONLEY NEW MEXICO 10141 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
1	1/16/01	ADDENDUM #1	PJC
2	10/23/01	NEW GRADES FOR PARKING	PJC
3	11/26/01	MODS FOR FUTURE GYM	PJC
4	07/22/02	MODS FOR FUTURE GYM	JAB

△ 07/22/02 PLAN CHECK AND DRC REVISIONS

DESIGNED BY: JAB DATE: 9/29/00
DRAWN BY: JAB DATE: 9/29/00
CHECKED BY: PJC DATE: 9/29/00

SEC PROJ. NO. 199207

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
HYDROLOGY PLAN

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: AUG 1 2002 CITY ENGINEER

Last Design Update: MO/DAY/YR. MO/DAY/YR.

City Project No. 5751.98
Zone Map No. L-21-Z
Sheet 6 of 49
C2 3

Z:\Civ_Cad\1992076-mmgc-gym\option1\C2_DRAINAGE MAP.dwg Tue Jul 23 15:51:32 2002 J. ALLEN BOLINGER

CURVE TABLE

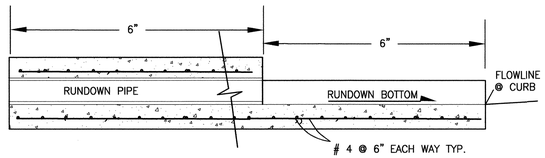
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH
C1	25°39'00"	3.15	5.00	5.62
C2	87°00'00"	14.2345	15.0000	22.78
C3	93°00'00"	31.6134	30.0000	48.69
C4	93°00'00"	52.6890	50.0000	81.16
C5	14°42'45"	53.6756	415.7656	106.76
C6	16°24'40"	54.7967	380.0000	108.84
C7	63°41'43"	12.4235	20.0000	22.23

LINE TABLE

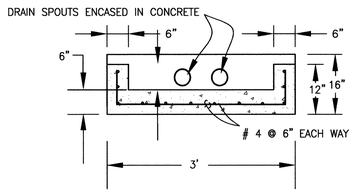
NUMBER	LENGTH (FT)	DESCRIPTION
L1	11.90	FLOWLINE @ MEDIAN CURB
L2	30.93	FLOWLINE @ MEDIAN CURB
L3	124.52	FLOWLINE @ MEDIAN CURB
L4	163.63	FLOWLINE @ MEDIAN CURB
L5	162.45	FLOWLINE @ MEDIAN CURB
L6	67.90	FLOWLINE @ MEDIAN CURB

NODE TABLE

Node ID	Northing	Easting	Elevation	Description
1	1480083.02	417696.28	5499.46	TOP OF SIDE WALK @ DOOR
2	1480116.60	417710.89	5499.50	FLOWLING @ END OF CURB
3	1480123.56	417723.60	5499.00	FLOW LINE @ MID POINT OF CURVE
4	1480135.59	417724.37	5498.53	FLOWLINE @ RUNDOWN
5	1480137.16	417724.39	5498.62	INVERT @ DRAIN PIPE
6	1480138.59	417724.37	5498.46	FLOWLINE @ RUNDOWN
7	1480157.15	417724.37	5497.85	FLOWLINE @ CL SIDEWALK
8	1480157.15	417712.87	5498.61	TOP OF SIDEWALK @ DOOR
9	1480163.39	417712.76	5497.75	TOP OF SIDEWALK @ BUILDING
10	1480169.29	417702.34	5497.30	ELEVATION @ BOTTOM OF RAMP
11	1480163.59	417699.80	5497.62	TOP OF SIDEWALK @ BUILDING
12	1480169.29	417697.34	5497.20	ELEVATION @ BOTTOM OF RAMP
13	1480163.67	417682.36	5497.46	TOP OF SIDEWALK @ BUILDING
14	1480173.58	417682.34	5496.84	FLOWLINE
15	1480172.80	417697.34	5497.14	FLOWLINE @ RAMP
16	1480172.54	417702.34	5497.24	FLOWLINE @ RAMP
17	1480172.13	417710.16	5497.40	FLOWLINE @ CURB RETURN
18	1480167.47	417720.25	5497.53	FL @ MID POINT CURVE
19	1480170.44	417563.60	5194.55	FL @ MID POINT CURB
20	1480178.64	417585.82	5495.~~00~~ 30	FL @ CURB RETURN
21	1480170.44	417563.60	5494.~~33~~ 92	FL @ MID POINT CURVE
22	1480198.61	417586.87	519~~4.91~~ 5.32	FL @ CURB RETURN
23	1480185.70	417550.64	549~~4.25~~ 3.50	FLOWLINE @ BEEHIVE
24	1480183.34	417548.21	5494.~~26~~ 47	FLOWLINE @ BEEHIVE
25	1480148.68	417554.25	5494.~~66~~ 78	FLOWLINE @ CURB RETURN
26	1480085.61	417554.25	5~~465.32~~ 95.31	FL @ RAMP
27	1480082.14	417554.25	5495.39	FL @ CL RAMP
28	1480078.24	417554.25	5495.46	FL @ RAMP
29	1480025.41	417554.25	5496.00	FLOWLINE
30	1479991.38	417554.25	5496.00	FLOWLINE
31	1480076.24	417563.30	5496.~~76~~ 64	EDGE OF MOW STRIP/WALL
32	1480078.24	417561.30	5496.72	EDGE OF MOW STRIPE/WALL
33	1480082.26	417596.24	5497.38	TOP OF RAMP @ CL
34	1480076.24	417598.30	5497.~~50~~ 20	EDGE OF MOW STRIP/WALL
35	1480085.66	417607.95	5497.30	EDGE SIDEWALK @ BUILDING
36	1480078.25	417608.64	5497.46	EDGE OF SIDEWALK
37	1480085.73	417598.46	5497.46	SIDEWALK @ BUILDING
38	1480085.74	417671.36	5498.96	SIDEWALK @ BUILDING
39	1480078.24	417671.36	5498.80	EDGE OF SIDEWALK
40	1480007.45	417554.25	5496.~~20~~ 60	FLOWLINE
41	1479986.23	417534.25	849~~5.75~~ 6.04	FLOWLINE @ CURB RETURN
42	1479985.05	417554.25	5495.~~92~~ 6.27	FLOWLINE @ CURB RETURN
43	1479958.29	417561.30	5496.72	EDGE OF MOW STRIP/WALL
44	1479960.57	417563.30	5496.~~76~~ 68	EDGE OF MOW STRIP/WALL
45	1479971.63	417647.29	5498.~~50~~ 17	EDGE OF MOW STRIP
46	1479930.82	417558.17	5495.~~84~~ 6.68	FLOWLINE @ MID-POINT OF CURVE
47	1479932.94	417537.66	5495.~~72~~ 6.54	FLOWLINE @ MIDPOINT OF CURVE
48	1480007.45	417534.25	5496.~~80~~ 6.25	FL @ MEDIAN CURB & GUTTER
49	1479860.93	417542.24	EX-FL +.05	TOP OF RAMP
50	1479851.82	417544.68	EX-FL +.05	TOP OF RAMP
51	1479667.14	417544.72	5493.50	FLOWLINE @ END OF NEW CURB
52	1479685.07	417555.86	EX-FL	FLOWLINE @ BEGIN NEW CURB
53	1480081.95	417596.24	5497.38	TOP OF RAMP



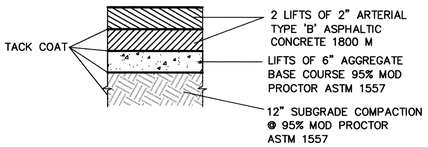
SIDE VIEW



FRONT/END VIEW

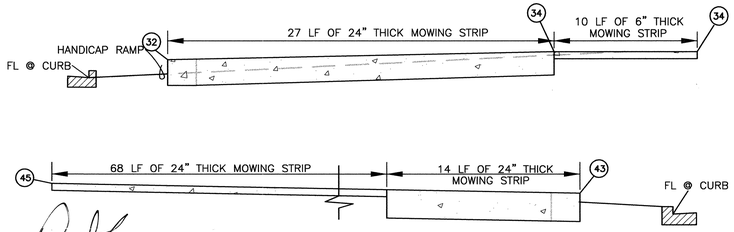
DRAIN SPOUT RUNDOWN/ENCASEMENT 'D'

SCALE: N.T.S.



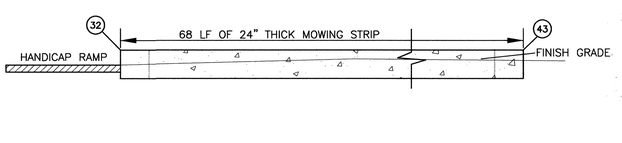
TYPICAL PAVEMENT SECTION 'B'

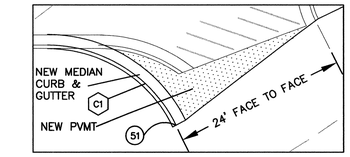
SCALE: N.T.S.



MOWING STRIP AND WALL DETAIL

SCALE: N.T.S.





WIDEN EXISTING DRIVEWAY FROM 18' TO 24'. REMOVE & DISPOSE OF 20 LF OF EX-MEDIAN CURB. INSTALL 22.5 LF OF MEDIAN CURB & GUTTER AT LOCATION SHOWN. PATCH ASPHALT PER PVMT SECTION 'B' THIS SHEET

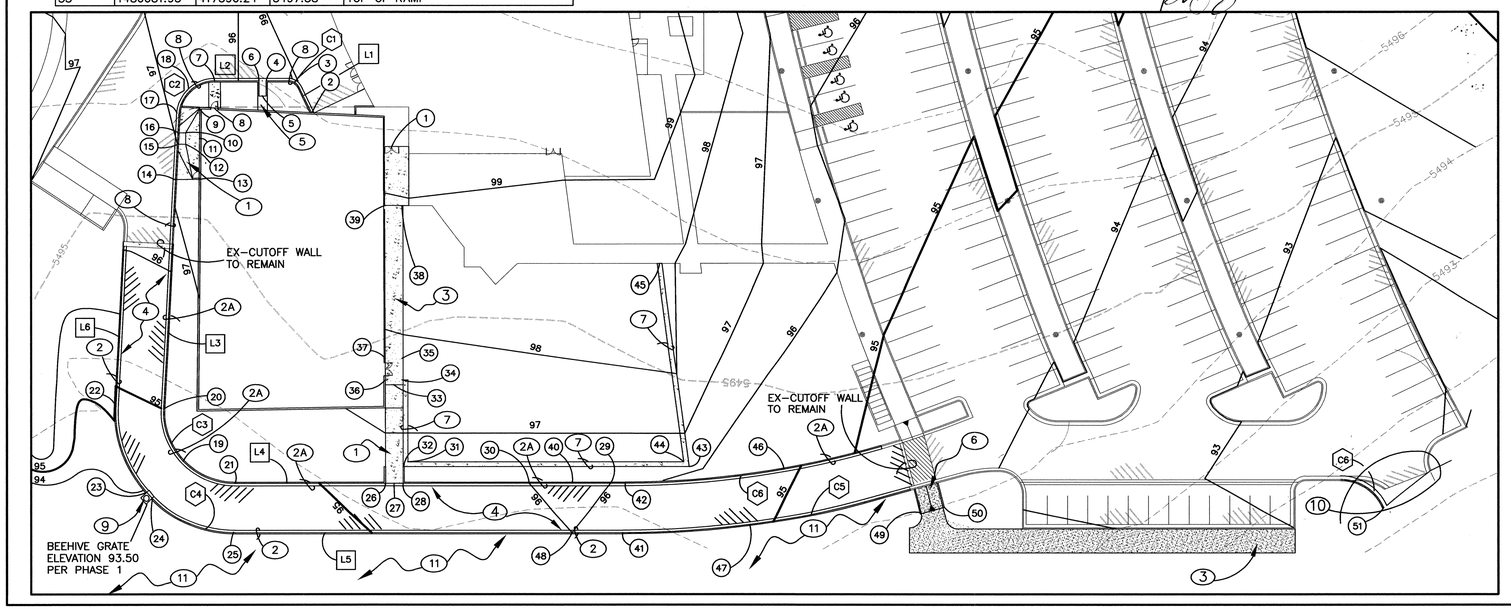
DRIVEWAY WIDENING

SCALE:1"=10'

I _____ of the Smith Engineering Company a Registered Professional Engineer in the State of New Mexico, do herby state that to the best of my knowledge and belief the grading has been constructed in general accordance with the grading and drainage plan and that the original design intent of the approved drainage and grading plan has been met, except as noted on the as-built construction drawings. This certification is based as-built survey information provided by TYREE Surveying Inc, (Ronald E. Tyree P.S.) NMPS Number 3516,

PATRICK J. CONLEY NEW MEXICO 10141 LICENSED PROFESSIONAL ENGINEER

12/29/00



SCALE: 1" = 30'

THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE W/ PARKING & DRIVE LAYOUTS SHOWN ON THE APPROVED PLANS.

STATE OF NEW MEXICO 12.19.02 JONATHAN S. CRAIG No. 1599 REGISTERED ARCHITECT

KEYED NOTES:

1. SPECIAL HANDICAP RAMP PER GRADES THIS SHEET. STD. DWG. #2415.
2. MEDIAN TYPE CURB & GUTTER PER C.O.A. STD. DWG. #2415. PAN TO MATCH ROAD CROSS SLOPE
2A. DEPRESSED MEDIAN TYPE CURB & GUTTER PER C.O.A. STD. DWG. #2415.
3. SIDEWALK PER ARCHITECTURAL PLANS
4. PAVEMENT SECTION 'B' SEE DETAIL THIS SHEET
5. CONCRETE RUNDOWN FOR ROOF DRAIN PER DETAIL THIS SHEET.
6. CONCRETE HANDICAP RAMP
7. MOW STRIP AND WALL PER DETAIL THIS SHEET.
8. SAWCUT 1' BACK FROM EDGE OF EXISTING PAVEMENT, INSTALL MEDIAN CURB & GUTTER, AND PATCH ASPHALT PVMT PER PAVEMENT SECTION THIS SHEET.
9. CONSTRUCT 2'-6" WIDE CURB-CUT AT EXISTING BEEHIVE INLET CONSTRUCTED IN PHASE 1. CONTRACTOR SHALL BE RESPONSIBLE TO INSURE STORM WATER FLOWS FREELY FROM CURB-CUT INTO BEEHIVE INLET. ALL CONCRETE WORK OR INLET MODIFICATIONS NECESSARY TO ACCOMPLISH THIS IS CONSIDERED INCIDENTAL TO MEDIAN CURB & GUTTER.
   GRATE INVERT ELEVATION = 5493.50
   N=1480189.10, E=417544.82
10. WIDEN DRIVE WAY PER DETAIL THIS SHEET. CONSTRUCT PAVEMENT SECTION 'B' THIS AREA
11. GRADE AREA BEHIND CURB TO MATCH TOP-OF-CURB

LEGEND

KEYNOTE NUMBER (XX)
CURVE NUMBER (XXX)
NODE NUMBER (XXX)
LINE NUMBER XXX

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO. —

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5500.67
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

ENGINEERS STAMP
PATRICK J. CONLEY NEW MEXICO 10141 LICENSED PROFESSIONAL ENGINEER
12/29/00

REVISIONS/REMARKS

NO	DATE	BY
1	7/19/02	JAB
2	9/29/00	JAB
3	9/29/00	PJC

DESIGNED BY: JAB DATE: 9/29/00
DRAWN BY: JAB DATE: 9/29/00
CHECKED BY: PJC DATE: 9/29/00

Δ 07/22/02 PLAN CHECK AND DRC REVISIONS

SEC PROJ. NO. 199207

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

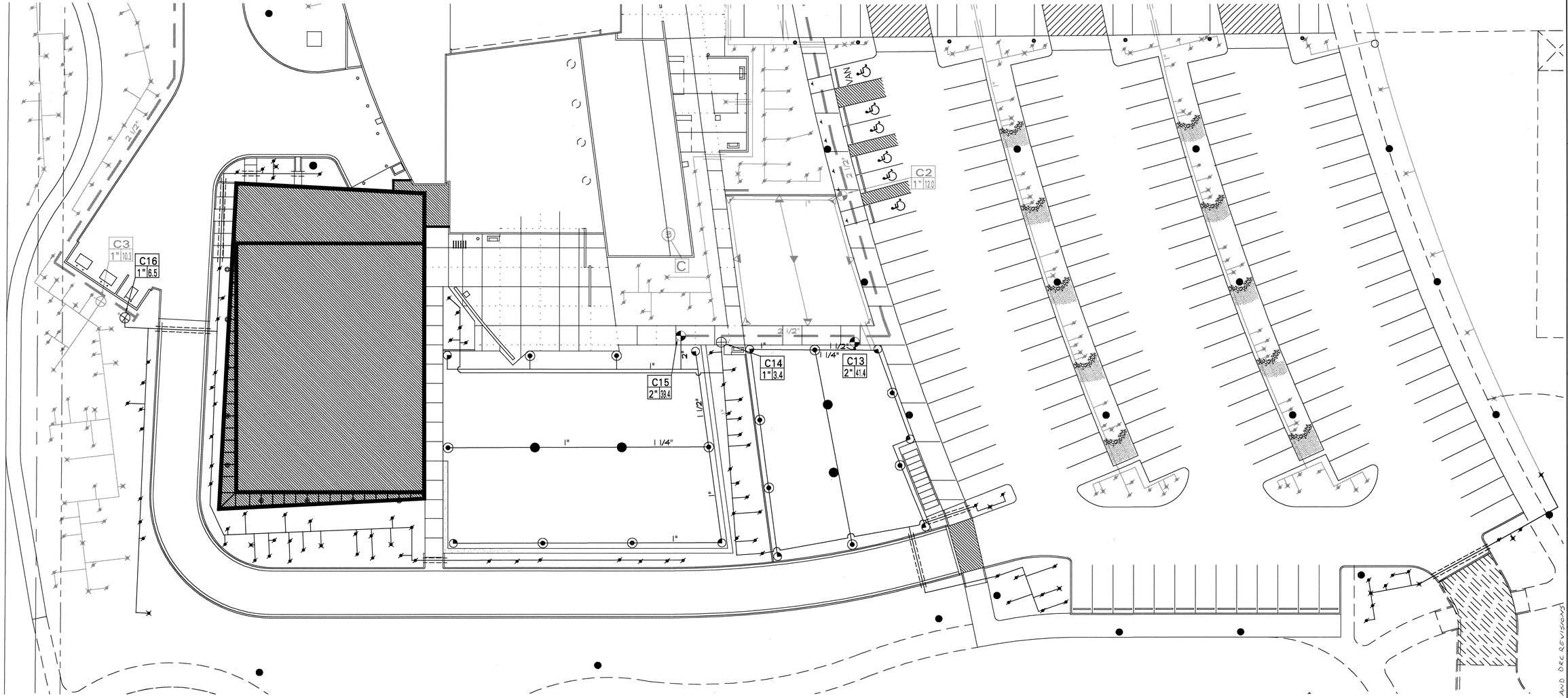
TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
HORIZONTAL & VERTICAL LAYOUT

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update: MO./DAY/YR. | MO./DAY/YR.

City Project No. 5751.95
Zone Map No. L-21-Z
Sheet 7 of 49
C3 3

Z:\Civ_Cadd\992070\d-mmgc-gym\option1\C3_Hor-Ver-layout.dwg Fri Jul 19 10:24:18 2002 J. ALLEN BOLINGER



IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
= = =	Sleeving: Class 200 PVC (2 sizes larger than pipe to be sleeved).
———	Lateral Pipe: Class 40 PVC, 18" Depth, 3/4" Unless Noted Otherwise
	Automatic Valve Assembly: Rain Bird PEB-PRS-B Series (size as noted) (COA Detail 2703)
	Pop-Up Sprinklers: Hunter I-20 Ultra Series (COA Detail 2709) I-20-ADV-XX, (90), Nozzle 2.0, 38' radius, 2.0 gpm @ 50 psi, I-20-ADV-XX, (180), Nozzle 3.5, 42' radius, 3.4 gpm @ 50 psi, I-20-36V-XX, (360), Nozzle 6.0, 46' radius, 5.5 gpm @ 50 psi
	Automatic Drip Valve Assembly: Rain Bird PEB-PRS-B Series, Rain Bird RBY-100-200MX Nyl Filter, and Rain Bird PSI-MBOX Pressure Regulator (COA Detail 2704-A)
	Emitter Device (shrubs): Rain Bird Xerl-Bird XBT-20 Multi-Outlet Xerl-Bug. (1) gph Xerl-Bug emitter per shrub
	Emitter Device (trees): Rain Bird Xerl-Bird Emission Device with Pressure Compensating Modules. (3) 5 gph PC-05 emitters per tree
	1/4" distribution tubing pinned at each tree and shrub.
C2 / 1" / 1.2	Indicates Controller and Station Number Indicates Lateral Discharge in GPM Indicates Remote Control Valve Size in Inches

GENERAL IRRIGATION NOTES

1. The system design assumes a minimum static pressure of 60 PSI at the 1-inch point-of-connection. The irrigation contractor shall verify pressure and flow on site prior to construction.
2. The irrigation contractor shall become thoroughly familiar with the specifications for this and related work prior to construction.
3. The irrigation contractor shall determine the exact location of underground utilities and electrical wiring prior to construction.
4. The irrigation contractor shall not install the sprinkler system when it is obvious in the field that obstructions or grade differences exist that might not have been considered in the engineering, or if the discrepancies in construction details, legend, notes, or specifications are discovered. All such obstructions or discrepancies shall be brought to the attention of the Owner's Representative.
5. The drawings are diagrammatic. In some cases, irrigation components may be shown outside of planting areas for clarity. The irrigation contractor shall avoid any conflicts between the irrigation system, planting materials, and above ground utilities. Irrigation pipe and wiring shall be installed in landscaped areas whenever possible.
6. All irrigation components shall be installed in accordance with section 1001- Landscape Irrigation System, and referenced details contained within the City of Albuquerque standard specifications manual, latest edition.

CONSTRUCTION NOTES

1) All irrigation components which are illustrated with screened lines are existing. Phase II installation assumes all components from Phase I have been installed per plans and details for Phase I construction.
2) The irrigation controller for this project has been installed as part of the Multi-Generation Center project. Values C3, C4, and C17 are already existing and have been wired to the controller.

VALVE LEGEND

Valve#	Head Type	Nozzle	Size	GPM
C1	PSM	.75, 1.5, 3.0	1.5"	18.0
C2	PSM	.75, 1.5, 3.0	1.0"	12.0
C3	Xerl-Bug/PC	XB-10/PC-05	1.5"	10.3
C4	Xerl-Bug/PC	XB-10/PC-05	1.0"	10.2
C5	Xerl-Bug/PC	XB-10/PC-05	1.0"	7.6
C6	Xerl-Bug/PC	XB-10/PC-05	1.0"	9.1
C7	Xerl-Bug/PC	XB-10/PC-05	1.0"	9.5
C8	Xerl-Bug/PC	XB-10/PC-05	1.0"	7.0
C9	Xerl-Bug/PC	XB-10/PC-05	1.0"	7.9
C10	Xerl-Bug/PC	XB-10/PC-05	1.0"	6.2
C11	Xerl-Bug/PC	XB-10/PC-05	1.0"	2.4
C12	Xerl-Bug/PC	XB-10/PC-05	1.0"	1.5
C13	I-20	2.0, 3.5, 6.0	2.0"	41.4
C14	Xerl-Bug/PC	XB-10/PC-05	1.0"	3.4
C15	I-20	2.0, 3.5, 6.0	1.0"	39.4
C16	Xerl-Bug/PC	XB-10/PC-05	1.0"	6.5
C24	Master	N/A	2.0"	

IRRIGATION SCHEDULE (FOR COMPLETE MULTI-GENERATIONAL CENTER SITE)

Program	Valves	PR Calc.	Runtime	Cycles	Total GPM	Remarks
1	C1,C2	.45	67	1	36.0	
2	C13	.40	75	1	41.4	
3	C15	.40	75	1	39.4	
4	C3,C4,C5,C6	N/A	N/A	1	37.2	Drip
5	C7,C8,C9	N/A	N/A	1	24.4	Drip
6	C10,C11,C12,C14,C16	N/A	N/A	1	18.9	Drip
99	C24				41.4	Max. Flow @ Master

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11589	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK

C.O.A. BENCHMARK "6-121"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99984485

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

ARCHITECT'S STAMP

STATE OF NEW MEXICO
CHRISTOPHER J. GREEN
12234
REGISTERED LANDSCAPE ARCHITECT
7-23-02

NO.	REVISIONS/REMARKS	BY	DATE
1	PLAN CHECK AND DRC REVISIONS	CG	7/23/02
2	07/23/02	BV	7/23/02
3		CG	7/23/02

DESIGNED BY: CG
DRAWN BY: BV
CHECKED BY: CG

10 0 20 40 north

CONSENSUS PLANNING
CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

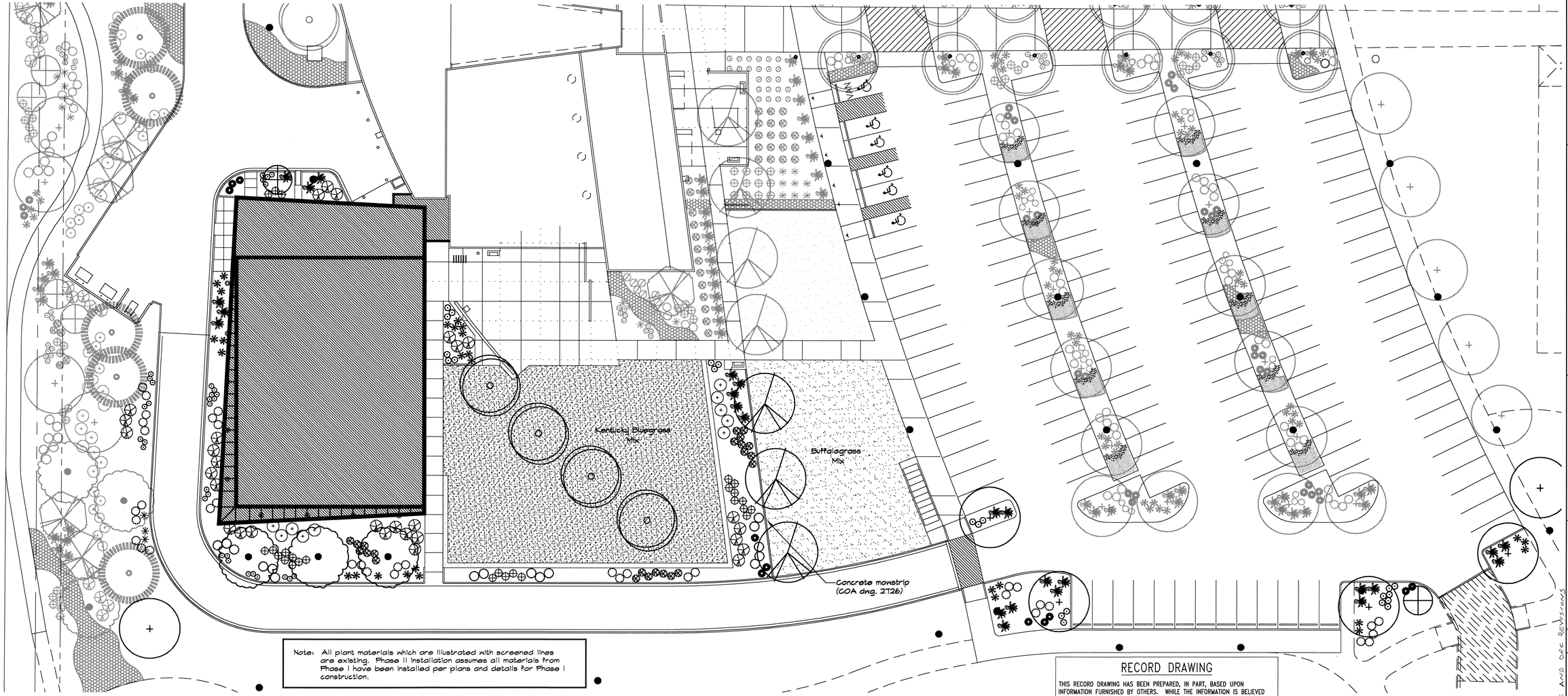
Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
IRRIGATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 8 Of 49
L101



Note: All plant materials which are illustrated with screened lines are existing. Phase II installation assumes all materials from Phase I have been installed per plans and details for Phase I construction.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

PLANT LEGEND

Quantity	Symbol	Scientific Name / Common Name	Size	Remarks	Water Use
6	+	Fraxinus vel. 'Modesto' Modesto Ash (female)	2" B&B	16' ht. x 6' spr.	Medium +
2	⊕	Forestiera neomexicana New Mexico Olive	15-Gal	8' ht. x 4' spr.	Medium
3	⊙	Gleditsia tri. 'Imperial' Imperial Honeylocust	2" B&B	16' ht. x 6' spr.	Medium +
4	⊙	Koelreteria paniculata Goldenrain Tree	2" B&B	14' ht. x 6' spr.	Medium
3	☮	Robinia 'Purple Robe' Purple Robe Locust	2" B&B	16' ht. x 6' spr.	Medium

Quantity	Symbol	Scientific Name / Common Name	Size	Remarks	Water Use
38	○	Artemesia 'Powis Castle' 'Powis Castle' Sage	1-Gal	3' o.c. 3' ht. x 3' spr.	Medium
16	○	Baccharis 'Starn' Thompson Baccharis	5-Gal	4' o.c. 2' ht. x 4' spr.	Low +
23	⊗	Caryopteris clandonensis Blue Mist	5-Gal	3' o.c. 3' ht. x 3' spr.	Medium
10	⊙	Chrysothamnus nauseosus Chamisa	1-Gal	5' o.c. 4' ht. x 4' spr.	Low
32	⊙	Ericameria laricifolia Turpentine Bush	1-Gal	2' o.c. 2' ht. x 2' spr.	Medium
22	⊙	Rosmarinus off. 'Prostratus' Prostrate Rosemary	5-Gal	3' o.c. 2' ht. x 3' spr.	Medium
29	⊛	Fallugia paradoxa Apache Plume	1-Gal	5' o.c. 4' ht. x 4' spr.	Low
25	✱	Juniperus sabina 'Buffalo' Buffalo Juniper (female)	5-Gal	6' o.c. 2' ht. x 6' spr.	Low +
11	⊙	Nolina microcarpa Beargrass	1-Gal	3' o.c. 3' ht. x 3' spr.	Medium
28	✱	Stipa tennissima Threadgrass	1-Gal	2' o.c. 2' ht. x 2' spr.	Medium
26	⊕	Salvia greggii Cherry Sage	1-Gal	3' o.c. 3' ht. x 3' spr.	Medium
3	✳	Hesperaloe parviflora Red Yucca	1-Gal	3' o.c. 3' ht. x 3' spr.	Medium

Quantity	Symbol	Description
5,190 S.F.		Buffalograss/Blue Grama Grass Mix COA Specification Section 1011-Turf Grass Seeding
9,380 S.F.		Kentucky Bluegrass/Fescue/Rye Turf Mix COA Specification Section 1011 - Turf Grass Seeding

GENERAL LANDSCAPE NOTES

1. Prior to beginning work on the project, the Landscape Contractor shall review the project in the field with the Owner's Representative.
2. If discrepancies occur between the drawings and the site, the Landscape Contractor shall notify the Owner's Representative for clarification prior to proceeding on that portion of work.
3. All planting areas are to have weeds and competitive vegetation removed prior to preparation for planting.
4. All existing plant materials shall be protected during construction. Damaged materials shall be replaced in kind at the Contractor's expense.
5. Plant quantities are provided for Contractor's convenience only, plans shall take precedence.
6. The Owner's Representative shall approve all plant material prior to planting. In addition, the Owner's Representative reserves the right to refuse any plant material deemed unacceptable. The Owner's Representative is to approve any and all substitutions prior to installation. Contact Jeff Hart, Park Management Division Urban Forester, at 857-8650 for plant inspections.
7. It is the Landscape Contractor's responsibility to locate all underground utilities prior to commencement of planting operations. Any damage to utilities will be repaired at Contractors expense.
8. Planting installation shall be in accordance with all City of Albuquerque standard specifications (Section 1005 - Planting) and details (Isolated Tree Planting - 2714, Tree Planting on Slope - 2716, and Isolated Shrub Planting - 2717).
9. Disturbed areas which do not contain landscaping materials shall be revegetated with native seed mix (non-irrigated) in accordance with all City of Albuquerque standard specifications (Section 1012 - Native Grass Seeding).
10. Planting areas shall be top dressed with a 3" layer of Santa Fe Brown rock mulch (3/4") unless noted otherwise. Areas receiving mulches shall be treated with two (2) applications of pre-emergent herbicide (Surflan).

10 0 20 40 north

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

NO.	DATE	REVISIONS/REMARKS	BY
△	07/22/02	PLAN CHECK AND DRC REVISIONS	
		DESIGNED BY: CG	DATE: 7/23/02
		DRAWN BY: BV	DATE: 7/23/02
		CHECKED BY: CG	DATE: 7/23/02

ARCHITECTS STAMP

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.08
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

7-23-02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
PLANTING PLAN

Design Review Committee: APPROVED AUG 1 200x DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 200x CITY E...
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.99
Zone Map No. L-21-Z
Sheet 9 Of 49
L102

STRUCTURAL GENERAL NOTES

1. GENERAL:

A. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS AND SAFETY OF WORKERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE ALL NECESSARY TEMPORARY SHORING AND BRACING TO SUPPORT ALL LOADS AND PARTS OF THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER COMPLETED CONSTRUCTION CONFIGURATION.

B. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND WORK.

C. NO OPENINGS NOR NOTCHES SHALL BE MADE IN ANY STRUCTURAL BEAM, JOIST, COLUMN, SUPPORT FLOOR, LOAD BEARING WALL OR PANEL, FOOTING, OR FOUNDATION WALL WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER. OPENINGS IN NON-LOAD BEARING WALLS REQUIRE THE ARCHITECT'S APPROVAL.

D. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.

E. MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF THE REQUIRED INSERTS WITH THE GENERAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR SUPPORTING STRUCTURE AND INSERTS. MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES FOR MECHANICAL EQUIPMENT, AND ALL NECESSARY HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.

F. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL CHASES, SLEEVES, OPENINGS, DUCTS, ETC., AS REQUIRED.

G. WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, NOTES, REFERENCED CODES, AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

H. SECTIONS AND DETAILS NOT SPECIFICALLY NOTED, SHALL BE CONSTRUCTED PER SECTIONS AND DETAILS SHOWN MOST APPLICABLE.

I. FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIREPROOFING METHODS AND MATERIALS.

J. SEISMIC RESTRAINT AND SEISMIC BRACING ELEMENTS FOR NON STRUCTURAL ITEMS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ITEMS' APPLICABLE DRAWINGS AND SPECIFICATIONS FOR SUCH WORK.

K. SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTING TO THE ARCHITECT FOR REVIEW. POORLY PREPARED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

L. ENGINEER'S REVIEW OF SHOP DRAWINGS SHALL BE FOR THE PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT, NOT FOR ACCURACY OR COMPLETENESS OF DETAILS OR QUANTITIES AND PROCEDURES. SHOP DRAWING ERRORS NOT DETECTED DURING ENGINEER'S REVIEW SHALL NOT BE CONSTRUED AS ALLOWING THE CONTRACTOR TO PROCEED KNOWINGLY IN ERROR. REGARDLESS OF ANY INFORMATION CONTAINED IN THE SHOP DRAWINGS, THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE NOT WAIVED OR SUPERSEDED IN ANY WAY BY THE SHOP DRAWING REVIEW.

2. DESIGN CRITERIA:

BUILDING CODES AND STANDARDS:

STATE OF NEW MEXICO 1997 BUILDING CODE
1997 UNIFORM BUILDING CODE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION 9TH EDITION, "MANUAL OF STEEL CONSTRUCTION, ASD"
AMERICAN CONCRETE INSTITUTE 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, "TIMBER CONSTRUCTION MANUAL"
AMERICAN IRON AND STEEL INSTITUTE; "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
AMERICAN CONCRETE INSTITUTE ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

3. DESIGN LOADS:

A. LIVE LOADS:
ROOFS: 20 PSF (NON-REDUCIBLE)

B. DEAD LOADS:
ROOF: 20 PSF

C. WIND LOADS: IN ACCORDANCE WITH 1997 UBC CODE
75 MPH BASIC WIND SPEED
CQ = 1.3, I = 1, QS = 15
CE = VARIES EXPOSURE 'C'

D. SEISMIC LOADING: IN ACCORDANCE WITH 1997 UBC CODE
ZONE 2B Z = 0.2
CA = 0.28 (SOIL PROFILE TYPE SD)
R = 4.5 MASONRY WALLS
= 2.8 METAL STUD WALLS

E. SOIL ALLOWABLE: SOIL BEARING = 2000 PSF DEAD LOAD
= 2500 PSF DEAD + LIVE LOAD

4. MATERIALS:

A. CONCRETE: F'C = 3000 PSI

B. STEEL:
1. WIDE FLANGE SHAPES: ASTM A36
2. STRUCTURAL STEEL TUBING: ASTM A500,GR B
3. MISCELLANEOUS STRUCTURAL STEEL: ASTM A36
4. STEEL PIPE: ASTM A53, TYPE E OR S, GR B
5. BOLTS (UNLESS OTHERWISE NOTED): ASTM A325
6. LIGHTGAGE METAL FRAMING (STUDS, HEADERS, STRAPS): ASTM A507 18 GA. GR 33, 16 GA. AND HEAVIER GR 50
7. METAL DECK: ASTM A446 OR A611 GR C
8. LAG BOLTS: FED. SPEC. FF-B-561
9. CONCRETE/MASONRY ANCHORS: ASTM A307
10. CONCRETE/MASONRY REINFORCEMENT: ASTM A615 GR 60
11. CONCRETE/MASONRY EXPANSION ANCHORS: FED SPEC. FF-S-325

C. MASONRY:
1. CONCRETE MASONRY UNITS (CMU): F'M = 1500 PSI (1900 PSI ON NET AREA) ASTM C90, GR N-1
2. MORTAR: 1900 PSI ASTM C270, TYPE S
3. GROUT: 2000 PSI ASTM C476

D. WOOD:

NOTE: ALL SAWN LUMBER SHALL HAVE A MOISTURE CONTENT OF 19% OR LESS AT TIME OF INSTALLATION.

1. FRAMING LUMBER: PONDEROSA PINE #1
2. EXPOSED LUMBER: DOUGLAS FIR – LARCH #2
3. PLYWOOD: C-D EXTERIOR GRADE
4. SILL PLATES: TREATED LUMBER
5. NAILS: FED. SPEC. FF-N-1-1 (EXTERIOR GALVANIZED)
6. POSTS: PONDEROSA PINE #1

E. CITY OF ALBUQUERQUE CONCRETE:

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE TECHNICAL SPECIFICATIONS OF THE STANDARD SPECIFICATIONS ARE HEREBY MADE A PART OF THE CONTRACT DOCUMENTS. WHERE A CONFLICT OCCURS BETWEEN THIS SUPPLEMENTAL TECHNICAL SPECIFICATION AND THE STANDARD SPECIFICATION. THE SUPPLEMENTAL TECHNICAL SPECIFICATION SHALL CONTROL.

TABLE 101 (SUPPLEMENTAL)
PORTLAND CEMENT CONCRETE DESIGN (1, 2)

DESIGN LIMITATIONS

TYPE OF PLACEMENT	USE IN SECTION	MINIMUM DESIGN STRENGTH (PSI) (3)	AIR ENTRAIN. %	CLASS FLYASH (FA) (4, 5)	SLUMP (IN.) (6)	MINIMUM CEMENT LBS/CY	MAX H2O TO C+F RATIO
PAVING	337	MR=600 F'C=4000	4-7	F REQUIRED	3	MAX 564	0.45
EXTERIOR STRUCT. SLAB ON GRADE, SIDEWALKS, CURB & GUTTERS, DRIVE PADS AND VALLEY GUTTERS	340	F'C=4000	4-7	F REQUIRED	4	MAX 520	0.45
INTERIOR STRUCTURES AND SLAB ON GRADE	510	F'C=3000	4-7	F REQUIRED	4	MAX 470	0.50
CHANNELS, DRAINAGE/HYD. STRUCTURES, BRIDGE DECKS & PARKING STRUCTURE DECKS	510 602	F'C=4000	4-7	F REQUIRED	4	MAX 564	0.40
SAS MANHOLES	920	F'C=4000	4-7	F REQUIRED	4	MAX 658 (8)	0.40
MISCELLANEOUS	402 702 802& 1500	F'C=4000	4-7	F REQUIRED	4	MAX 520	0.45

TABLE 101 (SUPPLEMENTAL)
PORTLAND CEMENT CONCRETE DESIGN
(CONT.)

NOTES:
1. USE OF INGREDIENTS NOT LISTED MUST BE AUTHORIZED BY THE ENGINEER AND THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT MATERIALS & TESTING LABORATORY.
2. MAXIMUM SIZE AGGREGATE SHALL BE IN ACCORDANCE WITH EITHER THE RECOMMENDATIONS OF ACI 318, TYPE OF PLACEMENT, SECTION AND COVER REQUIREMENTS, AND/OR THESE SPECIFICATIONS.
3. MODULUS OF RUPTURE (MR) OR COMPRESSIVE STRENGTH (F'C) AT 28 DAYS.
4. FLYASH SHALL BE CLASS F COMPLYING WITH THE REQUIREMENTS OF ASTM REACTIVITY WITH THE CEMENT ALKALIES: REDUCTION OF MORTAR BAR EXPANSION AT 14 DAYS, 70% (MIN) REQUIREMENTS.
5. FLYASH SHALL BE PROPORTIONED 1:4 BY WEIGHT, FLYASH (FA) TO PORTLAND CEMENT (C).
6. SLUMP RANGES MAY BE INCREASED AS AUTHORIZED BY THE ENGINEER WHEN HIGH RANGE WATER REDUCERS – HRWRDA (SUPER PLASTICIZERS) ARE USED. WHEN A HRWRDA IS PROPOSED, A DESIGN MIX WITH THE HRWRDA MUST BE SUBMITTED AND APPROVED BY THE ENGINEER, HRWRDA SHALL NOT BE USED IN A MIX IF THE HRWRDA WAS NOT PROPOSED IN THE DESIGN MIX.
7. MINIMUM TOTAL CEMENT, PORTLAND CEMENT BY WEIGHT, PER CUBIC YARD OF CONCRETE, AS DETERMINED BY ATM C138, TEST METHOD FOR UNIT WEIGHT, YIELD, AND AIR CONTENT (GRAVIMETRIC) OF CONCRETE, ADJUSTED FOR AIR ENTRAINMENT OF 5.5%.
8. TYPE V PORTLAND CEMENT MAY BE USED IN PLACE OF TYPE IIIA CEMENT IF TYPE V CEMENT IS USED, THE MINIMUM CEMENT CONTENT MAY BE REDUCED TO 564 LBS./C.Y.

5. CONCRETE NOTES:

A. SPECIFICATIONS:
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301 AND CITY OF ALBUQUERQUE TABLE 101 (SUPPLEMENTAL).
2. ALL HOT WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 305.
3. ALL COLD WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 306.
4. FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347. PROVIDE "CLASS A" TOLERANCE FOR CONCRETE SURFACES EXPOSED TO VIEW. PROVIDE "CLASS C" TOLERANCE FOR OTHER CONCRETE SURFACES.
5. USE AIR ENTRAINING ADMIXTURE 5% PLUS OR MINUS 1/2% FOR ALL EXTERIOR EXPOSED CONCRETE.

B. FOOTINGS:
1. UNLESS DIMENSIONED OTHERWISE, CENTER CONTINUOUS FOOTINGS ON WALL.
2. WHERE COLUMN AND WALL FOOTINGS INTERSECT, CAST THESE MONOLITHIC AND CONTINUE WALL FOOTING REINFORCING THROUGH THE COLUMN FOOTING.
3. CENTER COLUMN FOOTINGS ABOUT COLUMN CENTER LINES BOTH WAYS, UNLESS DIMENSIONED OTHERWISE.
4. EARTH FORMED FOOTINGS ARE ACCEPTABLE ONLY WHERE TRENCH SIDES ARE STABLE AND APPROVAL HAS BEEN GRANTED BY THE ENGINEER. SPECIAL CARE SHALL BE TAKEN TO ASSURE THAT CONCRETE IS PLACED INTO CLEAN TRENCHES AND THAT PLACING OPERATIONS DO NOT CAUSE SLOUGHING OR LOSS OF TRENCH SIDE INTEGRITY. MAINTAIN PROPER FOOTING DIMENSIONS AS SHOWN ON DRAWINGS.

C. CONCRETE REINFORCING:
1. PROVIDE VERTICAL DOWELS IN CONTINUOUS FOOTING, SAME SIZE AND SPACING AS THE VERTICAL WALL STEEL.
2. FOR OPENINGS 1'-0" AND LARGER IN WALLS AND STRUCTURAL SLABS UNLESS NOTED, PROVIDE NO. 5 X 4'-0" ALL CORNERS, TWO NO. 5 AT EACH SIDE, TOP AND BOTTOM.
3. UNLESS OTHERWISE NOTED PROVIDE CORNER BARS THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING AT THE CORNERS AND INTERSECTION OF ALL WALLS, BEAMS, AND FOOTINGS.
4. UNLESS OTHERWISE NOTED, REBAR SPLICES SHALL BE 40 BAR DIAMETER LAP SPLICES. AT ALL BEAMS AND STRUCTURAL SLABS, REINFORCING SPLICES SHALL BE LAPPED A MINIMUM OF 2'-0". FOR THE TOP REINFORCING STEEL, THE SPLICE SHALL BE PLACED AT THE MIDSPAN. FOR THE BOTTOM REINFORCING STEEL, THE SPLICE SHALL BE PLACED OVER THE BEARING POINT OF THE BEAM OR SLAB.

D. CONSTRUCTION JOINTS:
1. UNLESS OTHERWISE NOTED, CONSTRUCTION JOINTS FOR STRUCTURAL SLABS (INCLUDING COMPOSITE DECK SLABS), BEAMS AND GRADE BEAMS SHALL BE LOCATED AT MIDSPAN. CONTINUE REINFORCING THROUGH CONSTRUCTION JOINT UNLESS NOTED OTHERWISE. SUBMIT PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS TO ENGINEER FOR REVIEW.

E. SLABS ON GRADE
1. CONCRETE MIX DESIGN
A. USE THE LARGEST ALLOWABLE COARSE AGGREGATE SIZE IN ACCORDANCE WITH THE FOLLOWING:
4" SLAB 1" MAXIMUM AGGREGATE
5" OR MORE 1 1/2" MAXIMUM AGGREGATE
B. DO NOT EXCEED 5" CONCRETE SLUMP AT POINT OF PLACEMENT. LIMIT ANY WATER ADDED AT SITE SO AS TO NOT CAUSE THE WATER CEMENT RATIO TO EXCEED THAT OF THE APPROVED CONCRETE MIX DESIGN AND THEREBY CAUSE OBJECTIONABLE SLAB SHRINKAGE AND/OR CURLING.
2. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR FLOOR DRAINS, FLOOR SLOPES AND RECESSED AREAS.
3. DO NOT ADD MOISTURE TO FINISHED SUBGRADE PRIOR TO PLACEMENT OF SLAB, AS SUCH MOISTURE WILL INCREASE SLAB CURLING AND LONG TERM SHRINKAGE CRACKING.
4. BEGIN SPECIFIED CURING OPERATIONS IMMEDIATELY AFTER FINAL TROWELING.
5. MAINTAIN SURFACE FLATNESS, WITH A MAXIMUM VARIATION OF 1/8" IN 10 FEET. WHERE SPECIFIED, FLOOR FLATNERS F(F) AND FLOOR LEVELNESS F(L) NUMBERS SHALL GOVERN OVER 1/8" IN 10 FEET CRITERION.
6. IN AREAS WITH FLOOR DRAINS, MAINTAIN FLOOR LEVEL AT WALLS AND SLOPE SURFACES UNIFORMLY TO DRAINS.

F. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR CAST-IN-PLACE CONCRETE REINFORCEMENT, UNLESS NOTED OTHERWISE.

	MINIMUM COVER, IN.
1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH...	3
2. CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #11 BARS.....	2
#5 BAR AND SMALLER	1-1/2
3. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS: #11 BAR AND SMALLER	3/4
BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1-1/2

4. FOR SINGLE MAT OF REINFORCING IN SLABS AND WALLS, PLACE REINFORCING IN CENTER UNLESS OTHERWISE DIMENSIONED.

G. CURING
1. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.

H. FINISHES
1. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES AND REQUIRED RECESSES FOR FINISHES.

6. LIGHTGAGE METAL FRAMING:

A. ALL LIGHTGAGE METAL FRAMING SHOWN ON STRUCTURAL DRAWINGS SHALL BE CONSIDERED AS STRUCTURAL LOAD BEARING METAL FRAMING.

B. FABRICATION OF ALL LIGHTGAGE METAL FRAMING SHALL COMPLY WITH THE REQUIREMENTS IN AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".

C. FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANELS PRIOR TO ERECTION.

D. STUDS SHALL NOT BE SPLICED. STUDS SHALL FIT SECURELY INTO TOP AND BOTTOM TRACKS WITH THE END OF THE STUD POSITIONED AGAINST THE INSIDE TRACK WEB. WEB CUTOUTS ARE NOT PERMITTED WITHIN 12" OF EITHER END OF STUDS OR LINTELS. ALL FRAMING MEMBERS SHALL BE CUT SQUARELY OR AT AN ANGLE AS REQUIRED, TO FIT SECURELY AGAINST ABUTTING MEMBERS. ATTACHMENT OF COMPONENTS SHALL BE ACCOMPLISHED BY WELDING, UNLESS OTHERWISE NOTED ON DRAWINGS. DOUBLED OR TRIPLED STUDS SHALL BE TACK WELDED TOGETHER AT THE FLANGES AT 24" ON CENTR MAXIMUM ALONG THE LENGTH OF THE STUDS.

E. ALL DOUBLE AND TRIPLE BUILT-UP STUDS SHALL BE FASTENED TOGETHER AT BOTH WALL FACES AT A SPACING OF 24" ON CENTER MAXIMUM ALONG THE FULL HEIGTH OF THE STUDS. BUILT-UP JOISTS SHALL BE FASTENED TOGETHER IN THE SAME MANNER.

F. TRACKS SHALL BE ANCHORED TO THE SUPPORTING STRUCTURE TO TRANSFER IMPOSED LOADS. COMPLETE, UNIFORM, AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE BOTTOM TRACK AT EACH STUD LOCATION IN WALLS. UNEVEN BEARING SURFACES SHALL BE REPAIRED BY GRINDING AND/OR CONTINUOUS GROUT LEVELING BED. ALL TRACK BUTT JOINTS EXCEPT FOUNDATION LEVEL, SHALL BE FULLY BUTT WELDED TOGETHER.

G. PROVIDE DOUBLE STUD HEADERS PER DETAILS WHEREVER A STUD IS INTERRUPTED AT AN OPENING. USE MINIMUM 8"-16 GA. UNLESS OTHERWISE NOTED ON LINTEL SCHEDULE.

H. UNLESS OTHERWISE NOTED OR DETAILED, MINIMUM REQUIRED SECTION PROPERTIES FOR STUDS:

SIZE	I	S
3 5/8"X18 GA.	0.68	0.36
3 5/8"X16 GA.	0.84	0.43
4"X18 GA.	0.86	0.41
4"X16 GA.	1.06	0.49
6"X18 GA.	2.23	0.71
6"X16 GA.	2.76	0.86
8"X18 GA.	4.46	1.07
8"X16 GA.	5.54	1.30
8"X14 GA.	6.89	1.66

I. ALL LOAD BEARING JOISTS AND/OR UPPER STORY LEVEL LOAD BEARING STUDS SHALL BE DIRECTLY ALIGNED OVER LOAD BEARING STUD(S) BELOW, UNLESS OTHERWISE NOTED OR DETAILED.

J. PROVIDE BRIDGING PER MANUFACTURER'S DIRECTIONS. UNLESS GIVEN MORE STRINGENT REQUIREMENTS BY MANUFACTURER, PROVIDE 1/2" CHANNEL BRIDGING IN CONTINUOUS ROWS WELDED TO EACH STUD AND SPACED AT 4'-0" ON CENTER MAXIMUM.

K. METAL STUD FRAMING SYSTEM DEPICTED ON DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER COMPLETED STRUCTURAL CONFIGURATION, INCLUDING COMPLETE LIGHTGAGE METAL FRAMING, BRACING AND CONNECTED FLOOR AND ROOF DIAPHRAGMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE PROPER TEMPORARY BRACING TO MAINTAIN STABILITY DURING CONSTRUCTION.

7. STEEL FRAMING NOTES:

A. STRUCTURAL STEEL SHALL BE SHOP FABRICATED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION. WELDING SHALL COMPLY WITH AWS 1.1 "STRUCTURAL WELDING CODE".

B. FIELD CONNECTIONS OF STRUCTURAL STEEL SHALL BE ACCOMPLISHED BY BOLTING, USING HIGH STRENGTH BOLTS IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS" PROVIDE 3/4" DIAMETER A325 BOLTS WITH DOUBLE SHEAR FRAMING ANGLES. PROVIDE 7/8" DIAMETER A325 BOLTS WITH SINGLE SHEAR TABS(UNLESS OTHERWISE INDICATED).

C. STEEL CONNECTIONS NOT DETAILED ON THE PLANS SHALL BE THE FABRICATOR'S STANDARD CONNECTIONS AND SHALL BE IN ACCORDANCE WITH THE AISC SPECIFICATIONS. ALL BOLTED CONNECTIONS SHALL CONTAIN AT LEAST 2 BOLTS PER CONNECTED MEMBER.

D. PROVIDE MIN. 3/16" CAP PLATE WELDED TO END OF ALL STRUCTURAL PIPES, TUBES AND PRISMATIC SECTIONS, UNLESS OTHERWISE NOTED. PROVIDE WEEP HOLES ON UNDERSIDE OR NEAR BOTTOM OF SUCH ELEMENTS WHERE ELEMENTS ARE LOCATED OUTSIDE OF THE HEATED BUILDING ENVELOPE.

E. UNLESS OTHERWISE NOTED, ALL JOISTS SUPPORTING THE FLOOR OR ROOF DECK SHALL BE FIELD WELDED TO SUPPORTING MEMBERS OR TO PRESET BEARING PLATES, EXCEPT WHERE STEEL JOIST INNSTITUTE OR OTHER GOVERNING CODES OR AGENCIES REQUIRE BOLTED CONNECTION.

F. UNLESS OTHERWISE NOTED OR DETAILED, PROVIDE HORIZONTAL AND/OR CROSS BRIDGING AT ALL STEEL JOISTS IN ACCORDANCE WITH SJI SPECIFICATIONS AND OTHER GOVERNING CODES AND AGENCIES.

G. CAMBER ALL STEEL JOISTS PER SJI'S RECOMMENDED APPROXIMATE CAMBER TABLES.

H. JOIST MANUFACTURER SHALL DESIGN ALL JOIST EXTENDED ENDS AND JOIST EXTENSIONS FOR SPECIFIED DISTRIBUTED ROOF OR FLOOR LOADS PLUS WEIGHT OF WALLS, PARAPETS, FASCIA AND/OR SOFFITS SUPPORTED BY THE EXTENSIONS. WHERE REQUIRED FOR STRENGTH OR DEFLECTION, PROVIDE INCREASED JOIST BEARING DEPTH. IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY REQUIRED BEARING DEPTH INCREASES. DEFLECTION CRITERIA UNLESS NOTED OTHERWISE ARE: LIVE LOAD DEFL. NOT TO EXCEED L/360 AND TOTAL LOAD DEFL. NOT TO EXCEED L/240.

I. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS STRUCTURAL ANGLE SUPPORT AT ALL METAL DECK EDGES, DISCONTINUITIES OR SPAN DIRECTION CHANGES.

J. ALL OPENINGS IN STEEL DECKING HAVING A DIMENSION OF 1'-0" OR GREATER PERPENDICULAR TO THE DECK SPAN SHALL BE FRAMED BY 5"x3"x3/8" ANGLES, LONG LEG VERTICAL, UNLESS NOTED OTHERWISE. ANGLES SHALL BE WELDED TO THE TOP CHORD OF JOISTS, PLACED AT PANEL POINTS OR FIELD WELD 1-1/2"x1-1/2"x3/16" ANGLE FROM POINT OF LOAD TO NEAREST PANEL POINT OF BOTTOM CHORD. ANGLE ARE DESIGNED TO SUPPORT ROOF DECK AND VERY LIGHT EQUIPMENT LOADS ONLY. EQUIPMENT WEIGHING MORE THAN 400 POUNDS SHALL BE SUPPORTED BY A SEPARATE FRAME CAPABLE OF TRANSFERRING THE FORCES TO THE BUILDING FRAMING.

K. METAL DECK CONNECTIONS:
1. TYPE 'B' DECK TO OPEN WEB JOISTS
A. 5/8" DIAM. PUDDLE WELDS AT 12" O.C. AT DECK EDGES AND END SUPPORTS
B. 5/8" DIAM. PUDDLE WELDS AT 12" O.C. AT INTERMEDIATE SUPPORTS
C. TEKS #10 SCREWS AT 24" O.C. MAX. AT SIDELAPS

MECHANICAL FASTENERS MAY BE SUBSTITUTED FOR PUDDLE WELDS WHERE EQUIVALENT DIAPHRAGM STRENGTH CAN BE DEMONSTRATED. SUBMIT MANUFACTURER'S TECHNICAL AND INSTALLATION DATA FOR REVIEW BY ENGINEER.

DECK GAUGE	DECK SPAN	FRAME FASTENING	STITCH CONNECTORS	DESIGN SHEAR
22	4'-0"	36/4	2	305 PLF
22	5'-0"	36/4	3	290 PLF
22	6'-0"	36/4	3	250 PLF
20	4'-0"	36/4	2	370 PLF
20	5'-0"	36/4	3	350 PLF
20	6'-0"	36/4	3	300 PLF

L. ALL FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY A QUALIFIED INDEPENDENT TESTING LABORATORY. CONTRACTOR SHALL PAY FOR SUCH TESTING.

8. CMU NOTES:

A. UNLESS OTHERWISE NOTED, PROVIDE GALVANIZED STANDARD TRUSS TYPE DUR-O-WAL OR EQUAL AT ALTERNATE COURSES FOR HORIZONTAL JOINT REINFORCING IN C.M.U. PROVIDE PREFABRICATED DUR-O-WAL CORNER AND INTERSECTION PIECES LAPPED 6" MINIMUM. PROVIDE CONTINUOUS BOND BLOCK CONCRETE FILLED WITH TWO NO. 4 CONTINUOUS AT TOP OF ALL MASONRY WALLS AND CONTINUOUS AT ALL JOIST BEARING AND DECK BEARING ELEVATIONS. FIRST COURSE ABOVE FOOTING SHALL BE A REINFORCED BOND BEAM UNLESS CONTINUOUS # 4 REBAR MINIMUM IS PLACED IN TOP OF CONCRETE FOOTING. EXTEND VERTICAL REINFORCING THRU BOND BLOCK COURSES UNLESS OTHERWISE NOTED. PROVIDE CORNER BARS LAPPED 40 BAR DIAMETERS SAME SIZE AND NUMBER AS BOND BEAM, CONTINUOUS REINFORCING AT ALL BOND BEAM CORNERS AND INTER-SECTIONS.

B. UNLESS OTHERWISE NOTED OR DETAILED, VERTICAL REINFORCING AT ALL CONCRETE MASONRY WALLS SHALL BE:

ALL CMU WALLS SHALL BE REINFORCED AS FOLLOWS, UNLESS OTHERWISE NOTED:
NO. 4 REBAR MIN. (SECTIONS AND DETAILS INDICATING LARGER BAR SIZE GOVERN OVER NO. 4 BAR MIN.)
3 VERTICALS AT ALL CORNERS.
1 VERTICAL AT END OF ALL DISCONTINUOUS WALL RUNS.
1 VERTICAL EACH SIDE OF ALL MASONRY WALL OPENINGS.
1 VERTICAL AT 32" O.C. IN ALL STRAIGHT WALL RUNS.
(SECTIONS AND DETAILS INDICATING A DIFFERENT BAR SPACING GOVERN OVER 32" SPACING.)
1 VERTICAL EACH SIDE OF ALL CONTROL JOINTS.
PROVIDE VERTICAL DOWELS SAME AS VERTICAL BARS TOP AND BOTTOM OF EACH VERTICAL EXTENDING 30 DIA. INTO ABUTTING CONCRETE CONSTRUCTION AND 50 DIA. INTO CONCRETE FILLED MASONRY CELLS. ALL REBAR LAP SPLICES SHALL BE A MINIMUM OF 50 BAR DIAMETERS IN LENGTH. REINFORCEMENT SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING BY WIRE POSITIONERS OR OTHER SUITABLE DEVICES AT INTERVALS NOT EXCEEDING 200 BAR DIAMETERS.

C. UNLESS OTHERWISE SHOWN, PROVIDE MASONRY CONTROL JOINTS, NO. 8 WIDE FLANGE RAPID CONTROL JOINT IN MASONRY WALLS AT THE FOLLOWING LOCATIONS:

AT 12'-0" FROM ALL CORNERS,AT 32'-0" O.C. IN ALL STRAIGHT WALL RUNS.

D. ALL MASONRY WORK SHALL HAVE A MINIMUM OF 1/2" CLEARANCE TO STEEL CONSTRUCTION, UNLESS OTHERWISE NOTED.

E. TAKE SPECIAL CARE TO ENSURE THAT ALL ANCHORS INTO CMU ARE EMBEDDED INTO GROUTED CELLS. IF LOCATION OF ANCHOR DOES NOT COINCIDE WITH BOND BEAM OR GROUTED VERICAL REBAR, PROVIDE ADDITIONAL GROUT FOR SUITABLE EMBEDMENT OF ANCHOR.

F. PROVIDE OPENINGS AND LINTELS PER SCHEDULE WHERE REQUIRED FOR DOORS, WINDOWS, DUCTWORK, ETC., REGARDLESS OF WHETHER OR NOT SPECIFIC OPENINGS OR LINTELS ARE INDICATED ON THE STRUCTURAL DRAWINGS.

G. CMU WALLS HAVE BEEN DESIGNED FOR STABILITY UNDER COMPLETED STRUCTURAL CONFIGURATION INCLUDING FULLY CURED GROUT AND CONNECTION TO COMPLETED FLOOR AND ROOF DIAPHRAGMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE PROPER TEMPORARY BRACING AND SHORING TO MAINTAIN STABILITY DURING CONSTRUCTION.

STRUCTURAL EARTHWORK NOTES

THE BUILDING FOUNDATIONS HAVE BEEN DESIGNED BASED UPON THE RECOMMENDATIONS OF THE REPORT BY GEO-TEST, INC., "MANZANO MESA MULTI-GENERATIONAL CENTER", ALBUQUERQUE, NM,REPORT #1-91101, DATED DEC. 22, 1999.

1A. A COPY OF THIS REPORT MAY BE OBTAINED FROM THE OWNER. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE REPORT AND COMPLY WITH THE RECOMMENDATIONS IN THE REPORT. THIS REPORT IS A REPRESENTATION OF SOIL CONDITIONS ENCOUNTERED DURING THE TEST BORING SAMPLING AND MAY NOT COMPLETELY REPRESENT THE SOILS TO BE ENCOUNTERED DURING CONSTRUCTION. IF SOIL CONDITIONS ARE ENCOUNTERED WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER FOR ALTERNATE RECOMMENDATIONS.

1B. THE CONTRACTOR SHALL EMPLOY THE SERVICES OF AN INDEPENDANT TESTING AGENCY, APPROVED BY THE ARCHITECT/ENGINEER TO MAKE OBSERVATIONS AND TESTS AS CONSIDERED NECESSARY FOR QUALITY CONTROL. WHERE FLOOR SLABS ARE TO BE SUPPORTED ON ENGINEERED FILL, CONTINUOUS OBSERVATIONS AND TESTS OF GRADING OPERATIONS SHALL BE MADE BY THE GEOTECHNICAL ENGINEER. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES SET FORTH IN THE CURRENT BOOK OF STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM).

2. PRIOR TO CONSTRUCTION OF STRUCTURAL FILLS, SLAB AND FOOTING BEARING SURFACES SHOULD BE OVEREXCAVATED A MINIMUM OF 2 FEET, OR 2 FEET BELOW EXISTING GRADE, WHICHEVER IS GREATER, WITH THE EXCAVATED SOILS BEING REPLACED AS COMPACTED STRUCTURAL FILL. THE OVEREXCAVATION SHOULD EXTEND A MINIMUM OF 2 FEET HORIZONTALLY FROM THE EDGES OF THE FOOTINGS.

3. ALL EXISTING FILL, VEGETATION, DEBRIS, AND DISTURBED NATURAL SOILS IN AREAS FOR SUPPORT OF FOOTINGS, FLOOR SLABS OR PAVEMENTS SHALL BE EXCAVATED TO E

STRUCTURAL GENERAL NOTES

1. GENERAL:

A. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS AND SAFETY OF WORKERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE ALL NECESSARY TEMPORARY SHORING AND BRACING TO SUPPORT ALL LOADS AND PARTS OF THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER COMPLETED CONSTRUCTION CONFIGURATION.

B. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND WORK.

C. NO OPENINGS NOR NOTCHES SHALL BE MADE IN ANY STRUCTURAL BEAM, JOIST, COLUMN, SUPPORT FLOOR, LOAD BEARING WALL OR PANEL, FOOTING, OR FOUNDATION WALL WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER. OPENINGS IN NON-LOAD BEARING WALLS REQUIRE THE ARCHITECT'S APPROVAL.

D. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.

E. MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF THE REQUIRED INSERTS WITH THE GENERAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR SUPPORTING STRUCTURE AND INSERTS. MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES FOR MECHANICAL EQUIPMENT, AND ALL NECESSARY HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.

F. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL CHASES, SLEEVES, OPENINGS, DUCTS, ETC., AS REQUIRED.

G. WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, NOTES, REFERENCED CODES, AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

H. SECTIONS AND DETAILS NOT SPECIFICALLY NOTED, SHALL BE CONSTRUCTED PER SECTIONS AND DETAILS SHOWN MOST APPLICABLE.

I. FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIREPROOFING METHODS AND MATERIALS.

J. SEISMIC RESTRAINT AND SEISMIC BRACING ELEMENTS FOR NON STRUCTURAL ITEMS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ITEMS' APPLICABLE DRAWINGS AND SPECIFICATIONS FOR SUCH WORK.

K. SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTING TO THE ARCHITECT FOR REVIEW. POORLY PREPARED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

L. ENGINEER'S REVIEW OF SHOP DRAWINGS SHALL BE FOR THE PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT, NOT FOR ACCURACY OR COMPLETENESS OF DETAILS OR QUANTITIES AND PROCEDURES. SHOP DRAWING ERRORS NOT DETECTED DURING ENGINEER'S REVIEW SHALL NOT BE CONSTRUED AS ALLOWING THE CONTRACTOR TO PROCEED KNOWINGLY IN ERROR. REGARDLESS OF ANY INFORMATION CONTAINED IN THE SHOP DRAWINGS, THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE NOT WAIVED OR SUPERSEDED IN ANY WAY BY THE SHOP DRAWING REVIEW.

2. DESIGN CRITERIA:

BUILDING CODES AND STANDARDS:

STATE OF NEW MEXICO 1997 BUILDING CODE
1997 UNIFORM BUILDING CODE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION 9TH EDITION, "MANUAL OF STEEL CONSTRUCTION, ASD"
AMERICAN CONCRETE INSTITUTE 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, "TIMBER CONSTRUCTION MANUAL"
AMERICAN IRON AND STEEL INSTITUTE, "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
AMERICAN CONCRETE INSTITUTE ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

3. DESIGN LOADS:

A. LIVE LOADS:
ROOFS: 20 PSF (NON-REDUCIBLE)

B. DEAD LOADS:
ROOF: 20 PSF

C. WIND LOADS: IN ACCORDANCE WITH 1997 UBC CODE
75 MPH BASIC WIND SPEED
CQ = 1.3, I = 1, QS = 1S
CE = VARIES EXPOSURE 'C'

D. SEISMIC LOADING: IN ACCORDANCE WITH 1997 UBC CODE
ZONE 2B Z = 0.2
CA = 0.28 (SOIL PROFILE TYPE SD)
R = 4.5 MASONRY WALLS
= 2.8 METAL STUD WALLS

E. SOIL ALLOWABLE: SOIL BEARING = 2000 PSF DEAD LOAD
= 2500 PSF DEAD + LIVE LOAD

4. MATERIALS:

A. CONCRETE: F'C = 3000 PSI

B. STEEL:
1. WIDE FLANGE SHAPES: ASTM A36
2. STRUCTURAL STEEL TUBING: ASTM A500,GR B
3. MISCELLANEOUS STRUCTURAL STEEL: ASTM A36
4. STEEL PIPE: ASTM A53, TYPE E OR S, GR B
5. BOLTS (UNLESS OTHERWISE NOTED): ASTM A325
6. LIGHTGAGE METAL FRAMING
(STUDS, HEADERS, STRAPS): ASTM A507
18 GA. GR 33
16 GA. AND HEAVIER GR 50
7. METAL DECK: ASTM A446 OR A611 GR C
8. LAG BOLTS: FED. SPEC. FF-B-561
9. CONCRETE/MASONRY ANCHORS: ASTM A307
10. CONCRETE/MASONRY REINFORCEMENT: ASTM A615 GR 60
11. CONCRETE/MASONRY EXPANSION ANCHORS: FED SPEC. FF-S-325

C. MASONRY:
1. CONCRETE MASONRY UNITS (CMU): F'M = 1500 PSI (1900 PSI ON NET AREA) ASTM C90, GR N-1
2. MORTAR: 1900 PSI ASTM C270, TYPE S
3. GROUT: 2000 PSI ASTM C476

D. WOOD:

NOTE: ALL SAWN LUMBER SHALL HAVE A MOISTURE CONTENT OF 19% OR LESS AT TIME OF INSTALLATION.

1. FRAMING LUMBER: PONDEROSA PINE #1
2. EXPOSED LUMBER: DOUGLAS FIR – LARCH #2
3. PLYWOOD: C-D EXTERIOR GRADE
4. SILL PLATES: TREATED LUMBER
5. NAILS: FED. SPEC. FF-N-1-1 (EXTERIOR GALVANIZED)
6. POSTS: PONDEROSA PINE #1

E. CITY OF ALBUQUERQUE CONCRETE:

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE TECHNICAL SPECIFICATIONS OF THE STANDARD SPECIFICATIONS ARE HEREBY MADE A PART OF THE CONTRACT DOCUMENTS. WHERE A CONFLICT OCCURS BETWEEN THIS SUPPLEMENTAL TECHNICAL SPECIFICATION AND THE STANDARD SPECIFICATION. THE SUPPLEMENTAL TECHNICAL SPECIFICATION SHALL CONTROL.

TABLE 101 (SUPPLEMENTAL)
PORTLAND CEMENT CONCRETE DESIGN (1, 2)

DESIGN LIMITATIONS

TYPE OF PLACEMENT	USE IN SECTION (3)	MINIMUM DESIGN STRENGTH (PSI)	AIR ENTRAIN. %	CLASS FLYASH (FA) (4, 5)	SLUMP (IN.) (6)	MINIMUM CEMENT (7), (C) LBS/CY	MAX H2O TO C+F RATIO
PAVING	337	MR=600 F'C=4000	4-7	F REQUIRED	3 MAX	564	0.45
EXTERIOR STRUCT. SLAB ON GRADE, SIDEWALKS, CURB & GUTTERS, DRIVE PADS AND VALLEY GUTTERS	340	F'C=4000	4-7	F REQUIRED	4 MAX	520	0.45
INTERIOR STRUCTURES AND SLAB ON GRADE	510	F'C=3000	4-7	F REQUIRED	4 MAX	470	0.50
CHANNELS, DRAINAGE/HYD. STRUCTURES, BRIDGE DECKS & PARKING STRUCTURE DECKS	510	F'C=4000	4-7	F REQUIRED	4 MAX	564	0.40
SAS MANHOLES	920	F'C=4000	4-7	F REQUIRED	4 MAX	658 (8)	0.40
MISCELLANEOUS	402 702 800& 1500	F'C=4000	4-7	F REQUIRED	4 MAX	520	0.45

TABLE 101 (SUPPLEMENTAL)
PORTLAND CEMENT CONCRETE DESIGN
(CONT.)

NOTES:
1. USE OF INGREDIENTS NOT LISTED MUST BE AUTHORIZED BY THE ENGINEER AND THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT MATERIALS & TESTING LABORATORY.
2. MAXIMUM SIZE AGGREGATE SHALL BE IN ACCORDANCE WITH EITHER THE RECOMMENDATIONS OF ACI 318, TYPE OF PLACEMENT, SECTION AND COVER REQUIREMENTS, AND/OR THESE SPECIFICATIONS.
3. MODULUS OF RUPTURE (MR) OR COMPRESSIVE STRENGTH (F'C) AT 28 DAYS.
4. FLYASH SHALL BE CLASS F COMPLYING WITH THE REQUIREMENTS OF ASTM REACTIVITY WITH THE CEMENT ALKALIES: REDUCTION OF MORTAR BAR EXPANSION AT 14 DAYS, 70% (MIN) REQUIREMENTS.
5. FLYASH SHALL BE PROPORTIONED 1:4 BY WEIGHT, FLYASH (FA) TO PORTLAND CEMENT (C).
6. SLUMP RANGES MAY BE INCREASED AS AUTHORIZED BY THE ENGINEER WHEN HIGH RANGE WATER REDUCERS – HRWRDA (SUPER PLASTICIZERS) ARE USED. WHEN A HRWRDA IS PROPOSED, A DESIGN MIX WITH THE HRWRDA MUST BE SUBMITTED AND APPROVED BY THE ENGINEER, HRWRDA SHALL NOT BE USED IN A MIX IF THE HRWRDA WAS NOT PROPOSED IN THE DESIGN MIX.
7. MINIMUM TOTAL CEMENT, PORTLAND CEMENT BY WEIGHT, PER CUBIC YARD OF CONCRETE, AS DETERMINED BY ATM C138, TEST METHOD FOR UNIT WEIGHT, YIELD, AND AIR CONTENT (GRAVIMETRIC) OF CONCRETE, ADJUSTED FOR AIR ENTRAINMENT OF 5.5%.
8. TYPE V PORTLAND CEMENT MAY BE USED IN PLACE OF TYPE IIIA CEMENT IF TYPE V CEMENT IS USED, THE MINIMUM CEMENT CONTENT MAY BE REDUCED TO 564 LBS./C.Y.

5. CONCRETE NOTES:

A. SPECIFICATIONS:
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301 AND CITY OF ALBUQUERQUE TABLE 101 (SUPPLEMENTAL).
2. ALL HOT WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 305.
3. ALL COLD WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 306.
4. FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347. PROVIDE "CLASS A" TOLERANCE FOR CONCRETE SURFACES EXPOSED TO VIEW. PROVIDE "CLASS C" TOLERANCE FOR OTHER CONCRETE SURFACES.
5. USE AIR ENTRAINING ADMIXTURE 5% PLUS OR MINUS 1/2% FOR ALL EXTERIOR EXPOSED CONCRETE.

B. FOOTINGS:
1. UNLESS DIMENSIONED OTHERWISE, CENTER CONTINUOUS FOOTINGS ON WALL.
2. WHERE COLUMN AND WALL FOOTINGS INTERSECT, CAST THESE MONOLITHIC AND CONTINUE WALL FOOTING REINFORCING THROUGH THE COLUMN FOOTING.
3. CENTER COLUMN FOOTINGS ABOUT COLUMN CENTER LINES BOTH WAYS, UNLESS DIMENSIONED OTHERWISE.
4. EARTH FORMED FOOTINGS ARE ACCEPTABLE ONLY WHERE TRENCH SIDES ARE STABLE AND APPROVAL HAS BEEN GRANTED BY THE ENGINEER. SPECIAL CARE SHALL BE TAKEN TO ASSURE THAT CONCRETE IS PLACED INTO CLEAN TRENCHES AND THAT PLACING OPERATIONS DO NOT CAUSE SLOUGHING OR LOSS OF TRENCH SIDE INTEGRITY. MAINTAIN PROPER FOOTING DIMENSIONS AS SHOWN ON DRAWINGS.

C. CONCRETE REINFORCING:
1. PROVIDE VERTICAL DOWELS IN CONTINUOUS FOOTING, SAME SIZE AND SPACING AS THE VERTICAL WALL STEEL.
2. FOR OPENINGS 1'-0" AND LARGER IN WALLS AND STRUCTURAL SLABS UNLESS NOTED, PROVIDE NO. 5 X 4'-0" ALL CORNERS, TWO NO. 5 AT EACH SIDE, TOP AND BOTTOM.
3. UNLESS OTHERWISE NOTED PROVIDE CORNER BARS THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING AT THE CORNERS AND INTERSECTION OF ALL WALLS, BEAMS, AND FOOTINGS.
4. UNLESS OTHERWISE NOTED, REBAR SPLICES SHALL BE 40 BAR DIAMETER LAP SPLICES. AT ALL BEAMS AND STRUCTURAL SLABS. REINFORCING SPLICES SHALL BE LAPPED A MINIMUM OF 2'-0". FOR THE TOP REINFORCING STEEL, THE SPLICE SHALL BE PLACED AT THE MIDSPAN. FOR THE BOTTOM REINFORCING STEEL, THE SPLICE SHALL BE PLACED OVER THE BEARING POINT OF THE BEAM OR SLAB.

D. CONSTRUCTION JOINTS:
1. UNLESS OTHERWISE NOTED, CONSTRUCTION JOINTS FOR STRUCTURAL SLABS (INCLUDING COMPOSITE DECK SLABS), BEAMS AND GRADE BEAMS SHALL BE LOCATED AT MIDSPAN. CONTINUE REINFORCING THROUGH CONSTRUCTION JOINT UNLESS NOTED OTHERWISE. SUBMIT PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS TO ENGINEER FOR REVIEW.

E. SLABS ON GRADE
1. CONCRETE MIX DESIGN
A. USE THE LARGEST ALLOWABLE COARSE AGGREGATE SIZE IN ACCORDANCE WITH THE FOLLOWING:
4" SLAB 1" MAXIMUM AGGREGATE
5" OR MORE 1 1/2" MAXIMUM AGGREGATE
B. DO NOT EXCEED 5" CONCRETE SLUMP AT POINT OF PLACEMENT. LIMIT ANY WATER ADDED AT SITE SO AS TO NOT CAUSE THE WATER CEMENT RATIO TO EXCEED THAT OF THE APPROVED CONCRETE MIX DESIGN AND THEREBY CAUSE OBJECTIONABLE SLAB SHRINKAGE AND/OR CURLING.
2. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR FLOOR DRAINS, FLOOR SLOPES AND RECESSED AREAS.
3. DO NOT ADD MOISTURE TO FINISHED SUBGRADE PRIOR TO PLACEMENT OF SLAB, AS SUCH MOISTURE WILL INCREASE SLAB CURLING AND LONG TERM SHRINKAGE CRACKING.
4. BEGIN SPECIFIED CURING OPERATIONS IMMEDIATELY AFTER FINAL TROWELING.
5. MAINTAIN SURFACE FLATNESS, WITH A MAXIMUM VARIATION OF 1/8" IN 10 FEET. WHERE SPECIFIED, FLOOR FLATNERS F(F) AND FLOOR LEVELNESS F(L) NUMBERS SHALL GOVERN OVER 1/8" IN 10 FEET CRITERION.
6. IN AREAS WITH FLOOR DRAINS, MAINTAIN FLOOR LEVEL AT WALLS AND SLOPE SURFACES UNIFORMLY TO DRAINS.

F. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR CAST-IN-PLACE CONCRETE REINFORCEMENT, UNLESS NOTED OTHERWISE.

	MINIMUM COVER, IN.
1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH...	3
2. CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #11 BARS.....	2
#5 BAR AND SMALLER	1-1/2
3. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS: #11 BAR AND SMALLER	3/4
BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1-1/2

4. FOR SINGLE MAT OF REINFORCING IN SLABS AND WALLS, PLACE REINFORCING IN CENTER UNLESS OTHERWISE DIMENSIONED.

G. CURING
1. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.

H. FINISHES
1. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES AND REQUIRED RECESSES FOR FINISHES.

6. LIGHTGAGE METAL FRAMING:

A. ALL LIGHTGAGE METAL FRAMING SHOWN ON STRUCTURAL DRAWINGS SHALL BE CONSIDERED AS STRUCTURAL LOAD BEARING METAL FRAMING.

B. FABRICATION OF ALL LIGHTGAGE METAL FRAMING SHALL COMPLY WITH THE REQUIREMENTS IN AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".

C. FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANELS PRIOR TO ERECTION.

D. STUDS SHALL NOT BE SPLICED. STUDS SHALL FIT SECURELY INTO TOP AND BOTTOM TRACKS WITH THE END OF THE STUD POSITIONED AGAINST THE INSIDE TRACK WEB. WEB CUTOUTS ARE NOT PERMITTED WITHIN 12" OF EITHER END OF STUDS OR LINTELS. ALL FRAMING MEMBERS SHALL BE CUT SQUARELY OR AT AN ANGLE AS REQUIRED, TO FIT SECURELY AGAINST ABUTTING MEMBERS. ATTACHMENT OF COMPONENTS SHALL BE ACCOMPLISHED BY WELDING, UNLESS OTHERWISE NOTED ON DRAWINGS. DOUBLED OR TRIPLED STUDS SHALL BE TACK WELDED TOGETHER AT THE FLANGES AT 24" ON CENTR MAXIMUM ALONG THE LENGTH OF THE STUDS.

E. ALL DOUBLE AND TRIPLE BUILT-UP STUDS SHALL BE FASTENED TOGETHER AT BOTH WALL FACES AT A SPACING OF 24" ON CENTER MAXIMUM ALONG THE FULL HEIGTH OF THE STUDS. BUILT-UP JOISTS SHALL BE FASTENED TOGETHER IN THE SAME MANNER.

F. TRACKS SHALL BE ANCHORED TO THE SUPPORTING STRUCTURE TO TRANSFER IMPOSED LOADS. COMPLETE, UNIFORM, AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE BOTTOM TRACK AT EACH STUD LOCATION IN WALLS. UNEVEN BEARING SURFACES SHALL BE REPAIRED BY GRINDING AND/OR CONTINUOUS GROUT LEVELING BED. ALL TRACK BUTT JOINTS EXCEPT FOUNDATION LEVEL, SHALL BE FULLY BUTT WELDED TOGETHER.

G. PROVIDE DOUBLE STUD HEADERS PER DETAILS WHEREVER A STUD IS INTERRUPTED AT AN OPENING. USE MINIMUM 8"-16 GA. UNLESS OTHERWISE NOTED ON LINTEL SCHEDULE.

H. UNLESS OTHERWISE NOTED OR DETAILED, MINIMUM REQUIRED SECTION PROPERTIES FOR STUDS:

SIZE	I	S
3 5/8"X18 GA.	0.68	0.36
3 5/8"X16 GA.	0.84	0.43
4"X18 GA.	0.86	0.41
4"X16 GA.	1.06	0.49
6"X18 GA.	2.23	0.71
6"X16 GA.	2.76	0.86
8"X18 GA.	4.46	1.07
8"X16 GA.	5.54	1.30
8"X14 GA.	6.89	1.66

I. ALL LOAD BEARING JOISTS AND/OR UPPER STORY LEVEL LOAD BEARING STUDS SHALL BE DIRECTLY ALIGNED OVER LOAD BEARING STUD(S) BELOW, UNLESS OTHERWISE NOTED OR DETAILED.

J. PROVIDE BRIDGING PER MANUFACTURER'S DIRECTIONS. UNLESS GIVEN MORE STRINGENT REQUIREMENTS BY MANUFACTURER, PROVIDE 1/2" CHANNEL BRIDGING IN CONTINUOUS ROWS WELDED TO EACH STUD AND SPACED AT 4'-0" ON CENTER MAXIMUM.

K. METAL STUD FRAMING SYSTEM DEPICTED ON DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER COMPLETED STRUCTURAL CONFIGURATION, INCLUDING COMPLETE LIGHTGAGE METAL FRAMING, BRACING AND CONNECTED FLOOR AND ROOF DIAPHRAGMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE PROPER TEMPORARY BRACING TO MAINTAIN STABILITY DURING CONSTRUCTION.

7. STEEL FRAMING NOTES:

A. STRUCTURAL STEEL SHALL BE SHOP FABRICATED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION. WELDING SHALL COMPLY WITH AWS 1.1 "STRUCTURAL WELDING CODE".

B. FIELD CONNECTIONS OF STRUCTURAL STEEL SHALL BE ACCOMPLISHED BY BOLTING, USING HIGH STRENGTH BOLTS IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS" PROVIDE 3/4" DIAMETER A325 BOLTS WITH DOUBLE SHEAR FRAMING ANGLES. PROVIDE 7/8" DIAMETER A325 BOLTS WITH SINGLE SHEAR TABS(UNLESS OTHERWISE INDICATED).

C. STEEL CONNECTIONS NOT DETAILED ON THE PLANS SHALL BE THE FABRICATOR'S STANDARD CONNECTIONS AND SHALL BE IN ACCORDANCE WITH THE AISC SPECIFICATIONS. ALL BOLTED CONNECTIONS SHALL CONTAIN AT LEAST 2 BOLTS PER CONNECTED MEMBER.

D. PROVIDE MIN. 3/16" CAP PLATE WELDED TO END OF ALL STRUCTURAL PIPES, TUBES AND PRISMATIC SECTIONS, UNLESS OTHERWISE NOTED. PROVIDE WEEP HOLES ON UNDERSIDE OR NEAR BOTTOM OF SUCH ELEMENTS WHERE ELEMENTS ARE LOCATED OUTSIDE OF THE HEATED BUILDING ENVELOPE.

E. UNLESS OTHERWISE NOTED, ALL JOISTS SUPPORTING THE FLOOR OR ROOF DECK SHALL BE FIELD WELDED TO SUPPORTING MEMBERS OR TO PRESET BEARING PLATES, EXCEPT WHERE STEEL JOIST INSTITUTE OR OTHER GOVERNING CODES OR AGENCIES REQUIRE BOLTED CONNECTION.

F. UNLESS OTHERWISE NOTED OR DETAILED, PROVIDE HORIZONTAL AND/OR CROSS BRIDGING AT ALL STEEL JOISTS IN ACCORDANCE WITH SJI SPECIFICATIONS AND OTHER GOVERNING CODES AND AGENCIES.

G. CAMBER ALL STEEL JOISTS PER SJI'S RECOMMENDED APPROXIMATE CAMBER TABLES.

H. JOIST MANUFACTURER SHALL DESIGN ALL JOIST EXTENDED ENDS AND JOIST EXTENSIONS FOR SPECIFIED DISTRIBUTED ROOF OR FLOOR LOADS PLUS WEIGHT OF WALLS, PARAPETS, FASCIA AND/OR SOFFITS SUPPORTED BY THE EXTENSIONS. WHERE REQUIRED FOR STRENGTH OR DEFLECTION, PROVIDE INCREASED JOIST BEARING DEPTH. IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY REQUIRED BEARING DEPTH INCREASES. DEFLECTION CRITERIA UNLESS NOTED OTHERWISE ARE: LIVE LOAD DEFL. NOT TO EXCEED L/360 AND TOTAL LOAD DEFL. NOT TO EXCEED L/240.

I. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS STRUCTURAL ANGLE SUPPORT AT ALL METAL DECK EDGES, DISCONTINUITIES OR SPAN DIRECTION CHANGES.

J. ALL OPENINGS IN STEEL DECKING HAVING A DIMENSION OF 1'-0" OR GREATER PERPENDICULAR TO THE DECK SPAN SHALL BE FRAMED BY 5"x3"x3/8" ANGLES, LONG LEG VERTICAL, UNLESS NOTED OTHERWISE. ANGLES SHALL BE WELDED TO THE TOP CHORD OF JOISTS, PLACED AT PANEL POINTS OR FIELD WELD 1-1/2"x1-1/2"x3/16" ANGLE FROM POINT OF LOAD TO NEAREST PANEL POINT OF BOTTOM CHORD. ANGLE ARE DESIGNED TO SUPPORT ROOF DECK AND VERY LIGHT EQUIPMENT LOADS ONLY. EQUIPMENT WEIGHING MORE THAN 400 POUNDS SHALL BE SUPPORTED BY A SEPARATE FRAME CAPABLE OF TRANSFERRING THE FORCES TO THE BUILDING FRAMING.

K. METAL DECK CONNECTIONS:

1. TYPE 'B' DECK TO OPEN WEB JOISTS
A. 5/8" DIAM. PUDDLE WELDS AT 12" O.C. AT DECK EDGES AND END SUPPORTS
B. 5/8" DIAM. PUDDLE WELDS AT 12" O.C. AT INTERMEDIATE SUPPORTS
C. TEKS #10 SCREWS AT 24" O.C. MAX. AT SIDELAPS

MECHANICAL FASTENERS MAY BE SUBSTITUTED FOR PUDDLE WELDS WHERE EQUIVALENT DIAPHRAGM STRENGTH CAN BE DEMONSTRATED. SUBMIT MANUFACTURER'S TECHNICAL AND INSTALLATION DATA FOR REVIEW BY ENGINEER.

DECK GAUGE	DECK SPAN	FRAME FASTENING	STITCH CONNECTORS	DESIGN SHEAR
22	4'-0"	36/4	2	305 PLF
22	5'-0"	36/4	3	290 PLF
22	6'-0"	36/4	3	250 PLF
20	4'-0"	36/4	2	370 PLF
20	5'-0"	36/4	3	350 PLF
20	6'-0"	36/4	3	300 PLF

L. ALL FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY A QUALIFIED INDEPENDENT TESTING LABORATORY. CONTRACTOR SHALL PAY FOR SUCH TESTING.

8. CMU NOTES:

A. UNLESS OTHERWISE NOTED, PROVIDE GALVANIZED STANDARD TRUSS TYPE DUR-O-WAL OR EQUAL AT ALTERNATE COURSES FOR HORIZONTAL JOINT REINFORCING IN C.M.U. PROVIDE PREFABRICATED DUR-O-WAL CORNER AND INTERSECTION PIECES LAPPED 6" MINIMUM. PROVIDE CONTINUOUS BOND BLOCK CONCRETE FILLED WITH TWO NO. 4 CONTINUOUS AT TOP OF ALL MASONRY WALLS AND CONTINUOUS AT ALL JOIST BEARING AND DECK BEARING ELEVATIONS. FIRST COURSE ABOVE FOOTING SHALL BE A REINFORCED BOND BEAM UNLESS CONTINUOUS # 4 REBAR MINIMUM IS PLACED IN TOP OF CONCRETE FOOTING. EXTEND VERTICAL REINFORCING THRU BOND BLOCK COURSES UNLESS OTHERWISE NOTED. PROVIDE CORNER BARS LAPPED 40 BAR DIAMETERS SAME SIZE AND NUMBER AS BOND BEAM, CONTINUOUS REINFORCING AT ALL BOND BEAM CORNERS AND INTER-SECTIONS.

?

B. UNLESS OTHERWISE NOTED OR DETAILED, VERTICAL REINFORCING AT ALL CONCRETE MASONRY WALLS SHALL BE: "ASTM-A615-60".

ALL CMU WALLS SHALL BE REINFORCED AS FOLLOWS, UNLESS OTHERWISE NOTED:
NO. 4 REBAR MIN. (SECTIONS AND DETAILS INDICATING LARGER BAR SIZE GOVERN OVER NO. 4 BAR MIN.)
3 VERTICALS AT ALL CORNERS.
1 VERTICAL AT END OF ALL DISCONTINUOUS WALL RUNS.
1 VERTICAL EACH SIDE OF ALL MASONRY WALL OPENINGS.
1 VERTICAL AT 32" O.C. IN ALL STRAIGHT WALL RUNS.
(SECTIONS AND DETAILS INDICATING A DIFFERENT BAR SPACING GOVERN OVER THE 32" SPACING.)
1 VERTICAL EACH SIDE OF ALL CONTROL JOINTS.
PROVIDE VERTICAL DOWELS SAME AS VERTICAL BARS TOP AND BOTTOM OF EACH VERTICAL EXTENDING 30 DIA. INTO ABUTTING CONCRETE CONSTRUCTION AND 50 DIA. INTO CONCRETE FILLED MASONRY CELLS. ALL REBAR LAP SPLICES SHALL BE A MINIMUM OF 50 BAR DIAMETERS IN LENGTH. REINFORCEMENT SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING BY WIRE POSITIONERS OR OTHER SUITABLE DEVICES AT INTERVALS NOT EXCEEDING 200 BAR DIAMETERS.

C. UNLESS OTHERWISE SHOWN, PROVIDE MASONRY CONTROL JOINTS, NO. 8 WIDE FLANGE RAPID CONTROL JOINT IN MASONRY WALLS AT THE FOLLOWING LOCATIONS:

AT 12'-0" FROM ALL CORNERS,AT 32'-0" O.C. IN ALL STRAIGHT WALL RUNS.

D. ALL MASONRY WORK SHALL HAVE A MINIMUM OF 1/2" CLEARANCE TO STEEL CONSTRUCTION, UNLESS OTHERWISE NOTED.

E. TAKE SPECIAL CARE TO ENSURE THAT ALL ANCHORS INTO CMU ARE EMBEDDED INTO GROUTED CELLS. IF LOCATION OF ANCHOR DOES NOT COINCIDE WITH BOND BEAM OR GROUTED VERICAL REBAR, PROVIDE ADDITIONAL GROUT FOR SUITABLE EMBEDMENT OF ANCHOR.

F. PROVIDE OPENINGS AND LINTELS PER SCHEDULE WHERE REQUIRED FOR DOORS, WINDOWS, DUCTWORK, ETC., REGARDLESS OF WHETHER OR NOT SPECIFIC OPENINGS OR LINTELS ARE INDICATED ON THE STRUCTURAL DRAWINGS.

G. CMU WALLS HAVE BEEN DESIGNED FOR STABILITY UNDER COMPLETED STRUCTURAL CONFIGURATION INCLUDING FULLY CURED GROUT AND CONNECTION TO COMPLETED FLOOR AND ROOF DIAPHRAGMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE PROPER TEMPORARY BRACING AND SHORING TO MAINTAIN STABILITY DURING CONSTRUCTION.

STRUCTURAL EARTHWORK NOTES

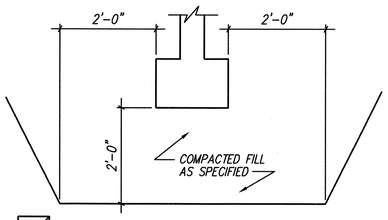
THE BUILDING FOUNDATIONS HAVE BEEN DESIGNED BASED UPON THE RECOMMENDATIONS OF THE REPORT BY GEO-TEST, INC., "MANZANO MESA MULTI-GENERATIONAL CENTER", ALBUQUERQUE, NM,REPORT #1-91101, DATED DEC. 22, 1999.

1A. A COPY OF THIS REPORT MAY BE OBTAINED FROM THE OWNER. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE REPORT AND COMPLY WITH THE RECOMMENDATIONS IN THE REPORT. THIS REPORT IS A REPRESENTATION OF SOIL CONDITIONS ENCOUNTERED DURING THE TEST BORING SAMPLING AND MAY NOT COMPLETELY REPRESENT THE SOILS TO BE ENCOUNTERED DURING CONSTRUCTION. IF SOIL CONDITIONS ARE ENCOUNTERED WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER FOR ALTERNATE RECOMMENDATIONS.

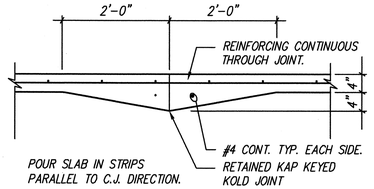
1B. THE CONTRACTOR SHALL EMPLOY THE SERVICES OF AN INDEPENDANT TESTING AGENCY, APPROVED BY THE ARCHITECT/ENGINEER TO MAKE OBSERVATIONS AND TESTS AS CONSIDERED NECESSARY FOR QUALITY CONTROL. WHERE FLOOR SLABS ARE TO BE SUPPORTED ON ENGINEERED FILL, CONTINUOUS OBSERVATIONS AND TESTS OF GRADING OPERATIONS SHALL BE MADE BY THE GEOTECHNICAL ENGINEER. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES SET FORTH IN THE CURRENT BOOK OF STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM).

2. PRIOR TO CONSTRUCTION OF STRUCTURAL FILLS, SLAB AND FOOTING BEARING SURFACES SHOULD BE OVEREXCAVATED A MINIMUM OF 2 FEET, OR 2 FEET BELOW EXISTING GRADE, WHICHEVER IS GREATER, WITH THE EXCAVATED SOILS BEING REPLACED AS COMPACTED STRUCTURAL FILL. THE OVEREXCAVATION SHOULD EXTEND A MINIMUM OF 2 FEET HORIZONTALLY FROM THE EDGES OF THE FOOTINGS.

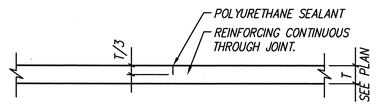
3. ALL EXISTING FILL, VEGETATION, DEBRIS, AND DISTURBED NATURAL SOILS IN AREAS FOR SUPPORT OF FOOTINGS, FLOOR SLABS OR PAVEMEN



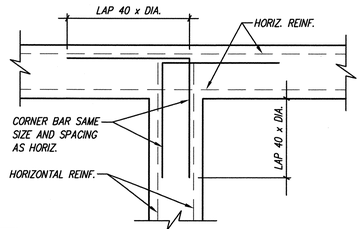
1/S0.1 TYP. OVEREXCAVATION DETAIL



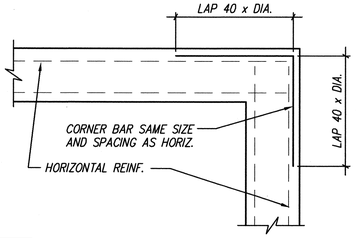
2/S0.1 TYP. CONSTRUCTION JOINT (C.J.)



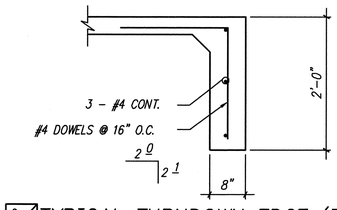
3/S0.1 TYPICAL TOOLED JOINT (T.J.)



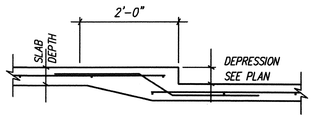
4/S0.1 TYPICAL INTERSECTION AT CONC. FOOTINGS AND WALLS



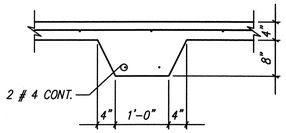
5/S0.1 TYPICAL CORNER AT CONCRETE FOOTINGS AND WALLS



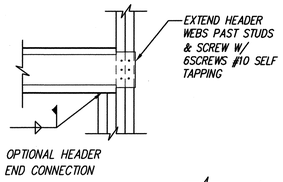
6/S0.1 TYPICAL TURNDOWN EDGE (TD)

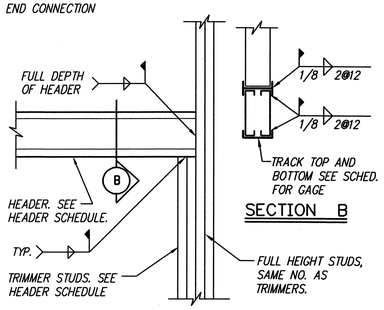


7/S0.1 TYPICAL DEPRESSED SLAB



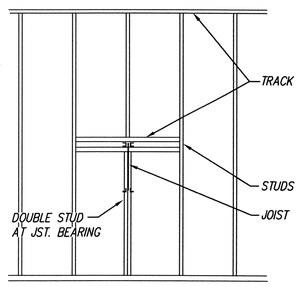
8/S0.1 TYPICAL THICKENED SLAB



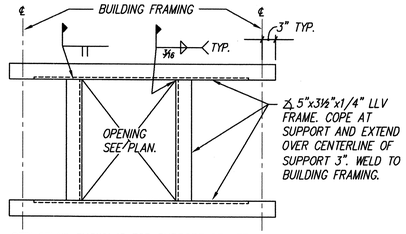


9/S0.1 TYPICAL HEADER BEARING DETAIL

STEEL STUD HEADER SCHEDULE					
OPENING	SIZE	GAUGE	S_xIN.^{3}	I_xIN.^{4}	TRIMMERS EA. SIDE
LESS THAN 4'-0"	2-6"	16 GA.	2.00	6.06.	1 STUD
4'-0" TO 5'-11"	2-8"	16 GA.	3.04	12.20	2 STUDS
6'-0" TO 7'-11"	2-10"	14 GA.	5.12	25.60	2 STUDS
*8'-0" TO 9'-11"	2-12"	14 GA.	8.54	51.20	2 STUDS
*10'-0" TO 12'-0"	2-12"	14 GA.	8.54	51.20	2 STUDS
* AT NON- BEARING WALLS ONLY U.N.O					



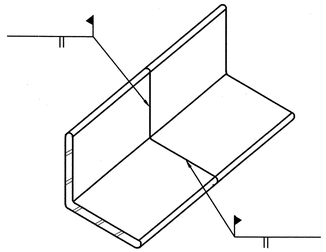
10/S0.1 TYP. JOIST BEARING DETAIL



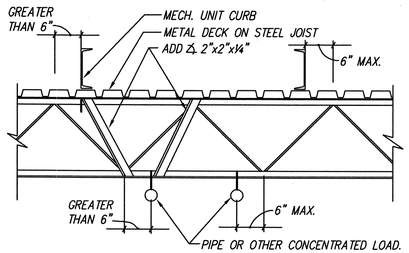
STRUCTURE SHOWN IS FOR SUPPORT OF METAL DECK. MECHANICAL UNITS MAY REQUIRE ADDITIONAL SUPPORT TO DISTRUBUTE LOADS TO THE BUILDING FRAME. COORD. W/ MECH. DRAWINGS AND MECH. UNIT MANUFACTURER RECOMMENDATIONS.

11/S0.1 TYP. METAL DECK OPENING SUPPORT

(APPLIES AT ALL OPENINGS IN METAL DECK HAVING A MAX. DIMENSION OF 1'-0" OR LARGER)

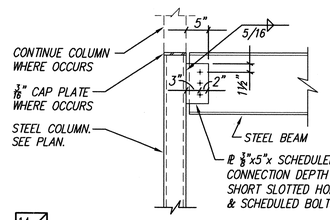


12/S0.1 TYP. PERIMETER DECK ANGLE SPLICE



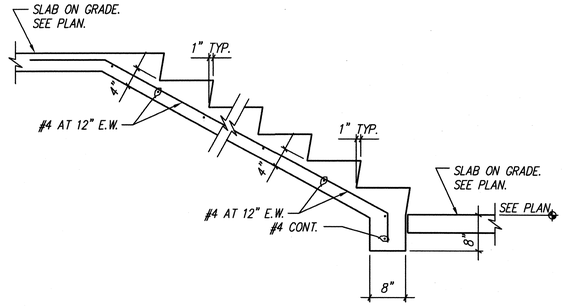
NOTE:
ALL CONCENTRATED LOADS TO THE STEEL JOIST SHALL BE CONNECTED WITHIN 6" OF THE JOIST TOP OR BOTTOM CHORD PANEL POINT. ADD A DIAGONAL ANGLE WHERE THE CONCENTRATED LOAD IS NOT WITHIN 6" OF A TOP OR BOTTOM CHORD PANEL POINT.

13/S0.1 STL. JST.–CONCENTRATED LOADS

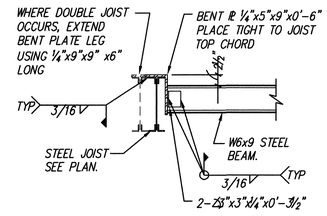


14/S0.1 TYPICAL FRAMED BEAM TO COLUMN CONNECTION DETAIL

FRAMED BEAM TO COLUMN CONNECTION SCHEDULE		
FRAMED BEAM SIZE	CONNECTION DEPTH	* NO. OF BOLT ROWS
C9 & W10	6½"	2
C12 & W12,14	9½"	3
C15 & W16	12½"	4
W18, W21	15½"	5
W24	18½"	6
W27 – W36	21½"	7
* ALL BOLTS TO BE 1"ø A325N. PROVIDE HARDENED WASHERS AT ALL SLOTTED HOLES.		



15/S0.1 TYPICAL CONCRETE STAIR ON GRADE



16/S0.1 TYPICAL JOIST HEADER DETAIL

AS BUILT INFORMATION

CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

MICRO-FILM INFORMATION

RECORDED BY — DATE:
NO.

BENCH MARK

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: DHS	DATE:07/03/2002
		DRAWN BY: JBH	DATE:07/03/2002
		CHECKED BY: RME	DATE:07/03/2002

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Red Mountain Engineers, Inc. — JOB NO.: 00039.350 BY: DHS/rme/JBH — (505) fax 889-2797 ph 889-3004 — 2835 Pan American Freeway NE Suite C — Albuquerque, NM 87107

Kells + Craig

400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102

Architects, Inc. AIA
(505) 243-2724

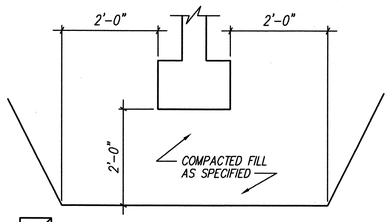
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
STRUCTURAL TYPICAL DETAILS

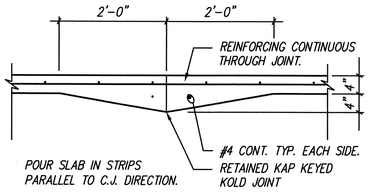
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 11 Of 49 | S0.1

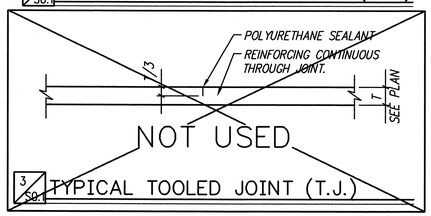
J:\Structr\Projects\Kells#4Craig\2004-xxxx.xxx - Manzano Mesa Gym-As Builts\S0-1.dwg, 06/02/2004 01:14:27 PM



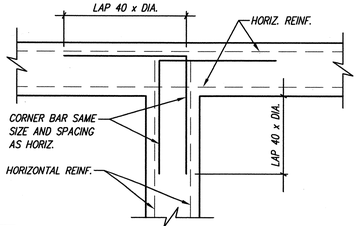
1/S0.1 TYP. OVEREXCAVATION DETAIL



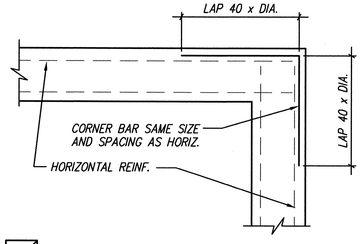
2/S0.1 TYP. CONSTRUCTION JOINT (C.J.)



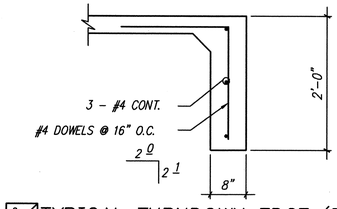
3/S0.1 TYPICAL TOOLED JOINT (T.J.)



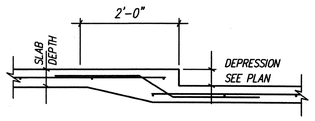
4/S0.1 TYPICAL INTERSECTION AT CONC. FOOTINGS AND WALLS



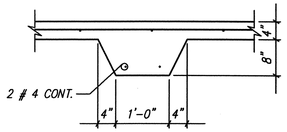
5/S0.1 TYPICAL CORNER AT CONCRETE FOOTINGS AND WALLS



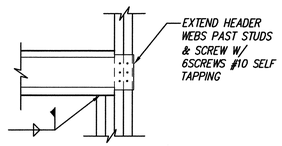
6/S0.1 TYPICAL TURNDOWN EDGE (TD)

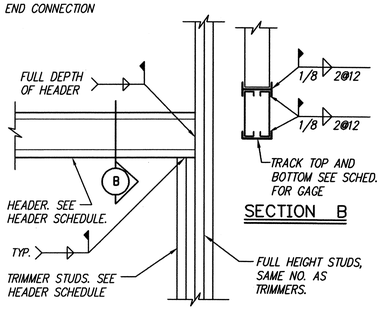


7/S0.1 TYPICAL DEPRESSED SLAB



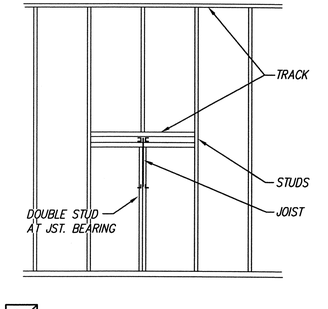
8/S0.1 TYPICAL THICKENED SLAB



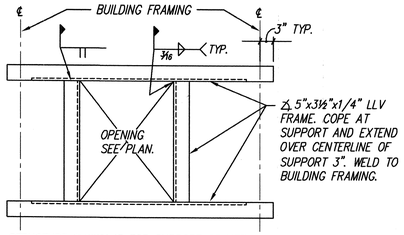


9/S0.1 TYPICAL HEADER BEARING DETAIL

STEEL STUD HEADER SCHEDULE					
OPENING	SIZE	GAUGE	S_xIN.^{3}	I_xIN.^{4}	TRIMMERS EA. SIDE
LESS THAN 4'-0"	2-6"	16 GA.	2.00	6.06.	1 STUD
4'-0" TO 5'-11"	2-8"	16 GA.	3.04	12.20	2 STUDS
6'-0" TO 7'-11"	2-10"	14 GA.	5.12	25.60	2 STUDS
*8'-0" TO 9'-11"	2-12"	14 GA.	8.54	51.20	2 STUDS
*10'-0" TO 12'-0"	2-12"	14 GA.	8.54	51.20	2 STUDS
* AT NON- BEARING WALLS ONLY U.N.O					



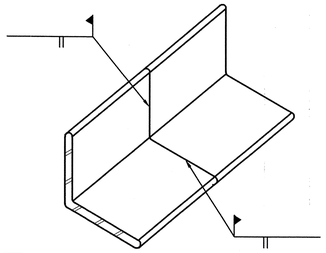
10/S0.1 TYP. JOIST BEARING DETAIL



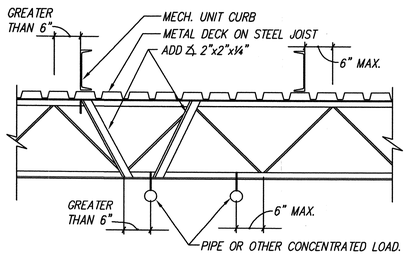
STRUCTURE SHOWN IS FOR SUPPORT OF METAL DECK. MECHANICAL UNITS MAY REQUIRE ADDITIONAL SUPPORT TO DISTRUBUTE LOADS TO THE BUILDING FRAME. COORD. W/ MECH. DRAWINGS AND MECH. UNIT MANUFACTURER RECOMMENDATIONS.

11/S0.1 TYP. METAL DECK OPENING SUPPORT

(APPLIES AT ALL OPENINGS IN METAL DECK HAVING A MAX. DIMENSION OF 1'-0" OR LARGER)

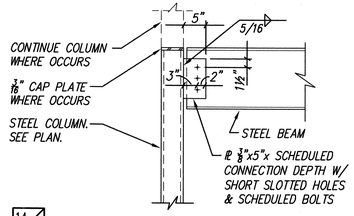


12/S0.1 TYP. PERIMETER DECK ANGLE SPLICE



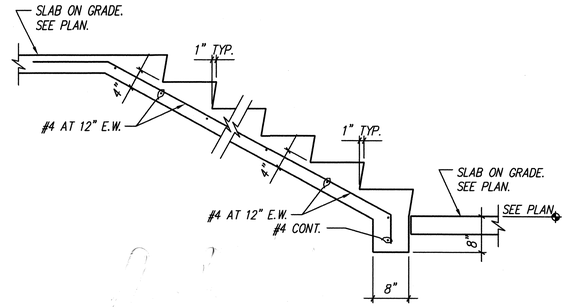
NOTE:
ALL CONCENTRATED LOADS TO THE STEEL JOIST SHALL BE CONNECTED WITHIN 6" OF THE JOIST TOP OR BOTTOM CHORD PANEL POINT. ADD A DIAGONAL ANGLE WHERE THE CONCENTRATED LOAD IS NOT WITHIN 6" OF A TOP OR BOTTOM CHORD PANEL POINT.

13/S0.1 STL. JST.-CONCENTRATED LOADS

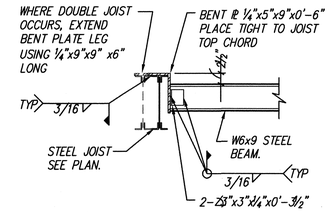


14/S0.1 TYPICAL FRAMED BEAM TO COLUMN CONNECTION DETAIL

FRAMED BEAM TO COLUMN CONNECTION SCHEDULE		
FRAMED BEAM SIZE	CONNECTION DEPTH	* NO. OF BOLT ROWS
C9 & W10	6½"	2
C12 & W12,14	9½"	3
C15 & W16	12½"	4
W18, W21	15½"	5
W24	18½"	6
W27 - W36	21½"	7
* ALL BOLTS TO BE 1"ø A325N. PROVIDE HARDENED WASHERS AT ALL SLOTTED HOLES.		



15/S0.1 TYPICAL CONCRETE STAIR ON GRADE



16/S0.1 TYPICAL JOIST HEADER DETAIL

BENCH MARK	
C.O.A. BENCHMARK "6-L21"	
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY	
GO DIRECTLY EAST 292'	
ELEVATION = 5471.78'	
GROUND COORDINATES:	NORTHING = 1,481,746.33
	EASTING = 418,123.51
GRID COORDINATES:	NORTHING = 1,481,220.09
	EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485	

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

D.V.I.D H. SULLENS
NEW MEXICO
13512
REGISTERED PROFESSIONAL ENGINEER
7/3/02

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: DHS	DATE:07/03/2002
		DRAWN BY: JBH	DATE:07/03/2002
		CHECKED BY: RME	DATE:07/03/2002

Δ 07/3/02 PLAN CHECK AND SPECIFIER'S COMMENTS

Red Mountain Engineers, Inc. Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107
rmeabq@aol.com

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

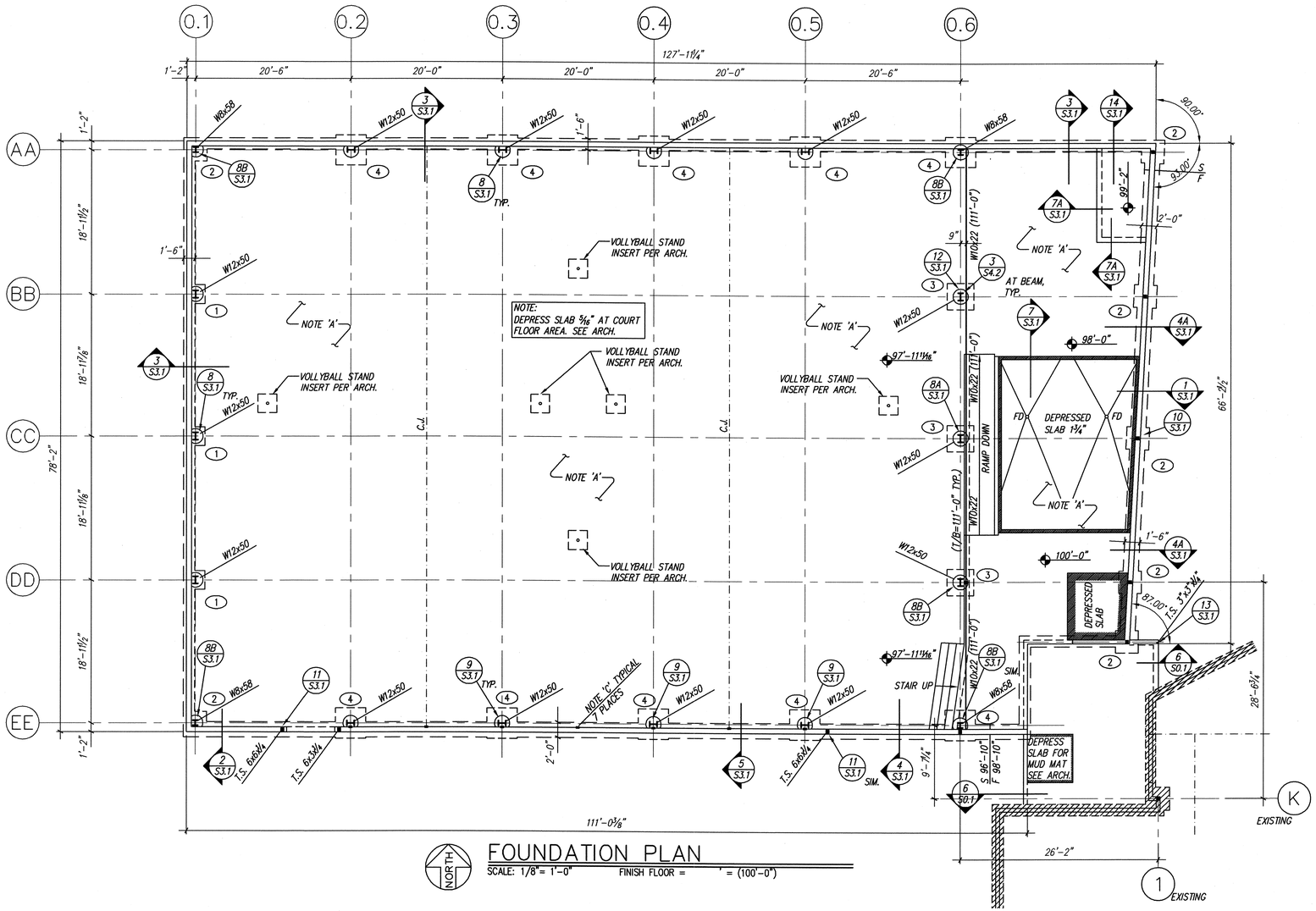
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
STRUCTURAL TYPICAL DETAILS

Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 11 Of 44
S0.1

J:\Jobs\Projects\2000\ (601-140)Kells & Craig\00039.350-Manzano\S0-1.dwg, 07/03/2002 02:29:21 PM, james



FOUNDATION PLAN

SCALE: 1/8"= 1'-0" FINISH FLOOR = ' = (100'-0")

AS PER ADD. #1 05/30/02.

NOTE 'A' 4" CONCRETE SLAB ON GRADE W/ #3 AT 16" O.C. E.W. AT MID-DEPTH OF SLAB ON 2" SAND CHAIRS OVER 4" COMPACTED GRAVEL FILL. TYPICAL THRUOUT UNLESS NOTED OTHERWISE. CONTINUE REBAR THRU ALL SLAB JOINTS.

NOTE 'B' DESIGNATES SLAB ON GRADE JOINT LOCATION. CONTRACTOR SHALL HAVE OPTION TO CHOOSE BETWEEN TYP. CONSTRUCTION JOINT AND TYP. CONTROL JOINT AS DETAIL ON SHEET S0.1.

NOTE 'C' T.S. 4"x2"x¼" COLUMN. CENTER ON WIDE FLANGE SOLUMN AND AT 10'-0" O.C. SEE SECTION 5/S3.1.

C.J. INDICATES TYPICAL CONSTRUCTION JOINT. SEE SHEET S0.1 FOR DETAIL.

CTR. JT. INDICATES TYPICAL CONTRACTION JOINT. SEE SHEET S0.1 FOR DETAIL.

F.D. INDICATES FLOOR DRAIN IN SLAB ON GRADE. SLOPE SLAB TO DRAIN.

⬭ INDICATES CONCRETE SPOT FOOTING. SEE SCHEDULE THIS SHEET FOR SIZE AND REINFORCING.

■ INDICATES T.S. 5"x5"x⅜" COLUMN UNLESS OTHERWISE NOTED.

NOTE 'S' STEEL FABRICATOR SHALL PROVIDE STAIR FRAMING LAYOUT AND DETAILING FOR APPROVAL BY ENGINEER. STAIRS SHALL SUPPORT 100 PSF LIVE LOAD AND L.L. DEFLECTION SHALL NOT EXCEED: SPAN/360 IN ANY STAIR MEMBER. CONTRACTOR SHALL INCLUDE STAIR FRAMING AND ALL NECESSARY SUPPORT COLUMNS AND CONNECTION ITEMS IN THE BID PRICE.

▭ INDICATES METAL STUD WALL.

Ⓒ INDICATES 'X' BRACING SHEAR WALL. SEE SHEET S0.1 FOR SCHEDULE AND STRAP SIZE.

S 00.0' / F 00.0' INDICATES STEP FOOTING. ELEVATIONS ARE TO TOP OF FOOTING. CONTRACTOR IS TO VERIFY LOCATION AND ELEVATIONS TO MAINTAIN A MINIMUM OF 24" TO BOTTOM OF FOOTING FROM LOWEST ADJACENT GRADE. SEE SHEET S0.1 FOR TYPICAL STEP FOOTING DETAIL.

NOTE: SEE STRUCTURAL GENERAL NOTES, STRUCTURAL EARTHWORK NOTES, AND TYPICAL DETAILS LOCATED AT START OF STRUCTURAL DRAWINGS. NOTES THEREIN ARE APPLICABLE WHETHER OR NOT REFERENCE IS MADE TO THEM ELSEWHERE.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
1	2'-6" x 2'-6" x 10"	3 - # 4 EA. WAY
2	3'-0" x 3'-0" x 10"	4 - # 4 EA. WAY
3	3'-6" x 3'-6" x 10"	5 - # 4 EA. WAY
4	4'-0" x 4'-0" x 10"	4 - # 5 EA. WAY

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:

BENCH MARK	
C.O.A. BENCHMARK "8-L21"	
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY	
GO DIRECTLY EAST 292'	
ELEVATION = 5471.78'	
GROUND COORDINATES:	NORTHING = 1,481,746.33
	EASTING = 418,123.51

MICRO-FILM INFORMATION	
GRID COORDINATES:	NORTHING = 1,481,220.09
	EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485	

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

NO.	DATE	REVISIONS/REMARKS	BY
		12/1/00 PLAN CHECK & DRC REVISIONS	
		DESIGNED BY:	DHS
		DRAWN BY:	JBH
		CHECKED BY:	DHS

ARCHITECTS STAMP

DATE:07/03/2002
DATE:07/03/2002
DATE:07/03/2002

Red Mountain Engineers, Inc. — Engineers · Surveyors — JOB NO.: 00039.350 BY: DHS/rme/jbh — (505) fax 889-2797 ph 889-3004 — 2835 Pan American Freeway Suite C Albuquerque, NM 87107

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

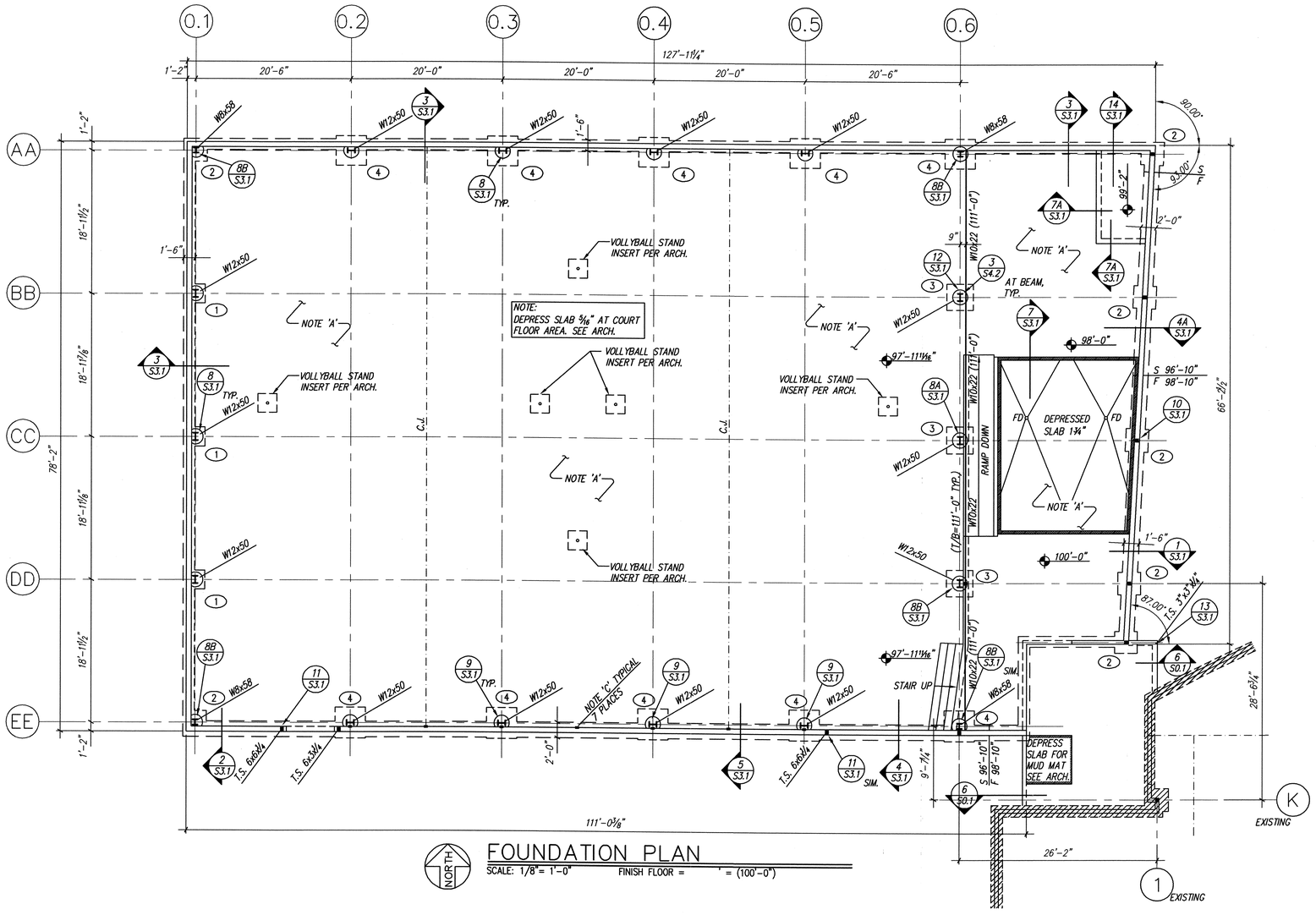
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
FOUNDATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 12 Of 49 | S1.1

Z:\Structl\Projects\Kells&Craig\2004-xxxx.xxx - ManzanoMesa&gym-As Built's\S1-1.dwg, 06/02/2004 01:17:47 PM



FOUNDATION PLAN

SCALE: 1/8"= 1'-0" FINISH FLOOR = ' = (100'-0")

NOTE 'A' 4" CONCRETE SLAB ON GRADE W/ #3 AT 16" O.C. E.W. AT MID-DEPTH OF SLAB ON 2" SAND CHAIRS OVER 4" COMPACTED GRAVEL FILL. TYPICAL THRUOUT UNLESS NOTED OTHERWISE. CONTINUE REBAR THRU ALL SLAB JOINTS.

NOTE 'B' DESIGNATES SLAB ON GRADE JOINT LOCATION. CONTRACTOR SHALL HAVE OPTION TO CHOOSE BETWEEN TYP. CONSTRUCTION JOINT AND TYP. CONTROL JOINT AS DETAIL ON SHEET S0.1.

NOTE 'C' T.S. 4"x2"x¼" COLUMN. CENTER ON WIDE FLANGE SOLUMN AND AT 10'-0" O.C. SEE SECTION 5/S3.1.

C.J. INDICATES TYPICAL CONSTRUCTION JOINT. SEE SHEET S0.1 FOR DETAIL.

CTR. JT. INDICATES TYPICAL CONTRACTION JOINT. SEE SHEET S0.1 FOR DETAIL.

F.D. INDICATES FLOOR DRAIN IN SLAB ON GRADE. SLOPE SLAB TO DRAIN.

INDICATES CONCRETE SPOT FOOTING. SEE SCHEDULE THIS SHEET FOR SIZE AND REINFORCING.

INDICATES T.S. 5"x5"x⅜" COLUMN UNLESS OTHERWISE NOTED.

NOTE 'S' STEEL FABRICATOR SHALL PROVIDE STAIR FRAMING LAYOUT AND DETAILING FOR APPROVAL BY ENGINEER. STAIRS SHALL SUPPORT 100 PSF LIVE LOAD AND L.L. DEFLECTION SHALL NOT EXCEED: SPAN/360 IN ANY STAIR MEMBER. CONTRACTOR SHALL INCLUDE STAIR FRAMING AND ALL NECESSARY SUPPORT COLUMNS AND CONNECTION ITEMS IN THE BID PRICE.

INDICATES METAL STUD WALL.

INDICATES 'X' BRACING SHEAR WALL. SEE SHEET S0.1 FOR SCHEDULE AND STRAP SIZE.

S 00.0' / F 00.0' INDICATES STEP FOOTING. ELEVATIONS ARE TO TOP OF FOOTING. CONTRACTOR IS TO VERIFY LOCATION AND ELEVATIONS TO MAINTAIN A MINIMUM OF 24" TO BOTTOM OF FOOTING FROM LOWEST ADJACENT GRADE. SEE SHEET S0.1 FOR TYPICAL STEP FOOTING DETAIL.

NOTE: SEE STRUCTURAL GENERAL NOTES, STRUCTURAL EARTHWORK NOTES, AND TYPICAL DETAILS LOCATED AT START OF STRUCTURAL DRAWINGS. NOTES THEREIN ARE APPLICABLE WHETHER OR NOT REFERENCE IS MADE TO THEM ELSEWHERE.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
1	2'-6" x 2'-6" x 10"	3 - #4 EA. WAY
2	3'-0" x 3'-0" x 10"	4 - #4 EA. WAY
3	3'-6" x 3'-6" x 10"	5 - #4 EA. WAY
4	4'-0" x 4'-0" x 10"	4 - #5 EA. WAY

07/22/02 PLAN CHECK AND DRC REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: DHS	DATE: 07/03/2002
		DRAWN BY: JBH	DATE: 07/03/2002
		CHECKED BY: DHS	DATE: 07/03/2002

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER
7/3/02

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:

BENCH MARK	
C.O.A. BENCHMARK "6-L21"	
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'	
ELEVATION = 5471.78'	
GROUND COORDINATES:	NORTHING = 1,481,746.33
	EASTING = 418,123.51
GRID COORDINATES:	NORTHING = 1,481,220.09
	EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485	

MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

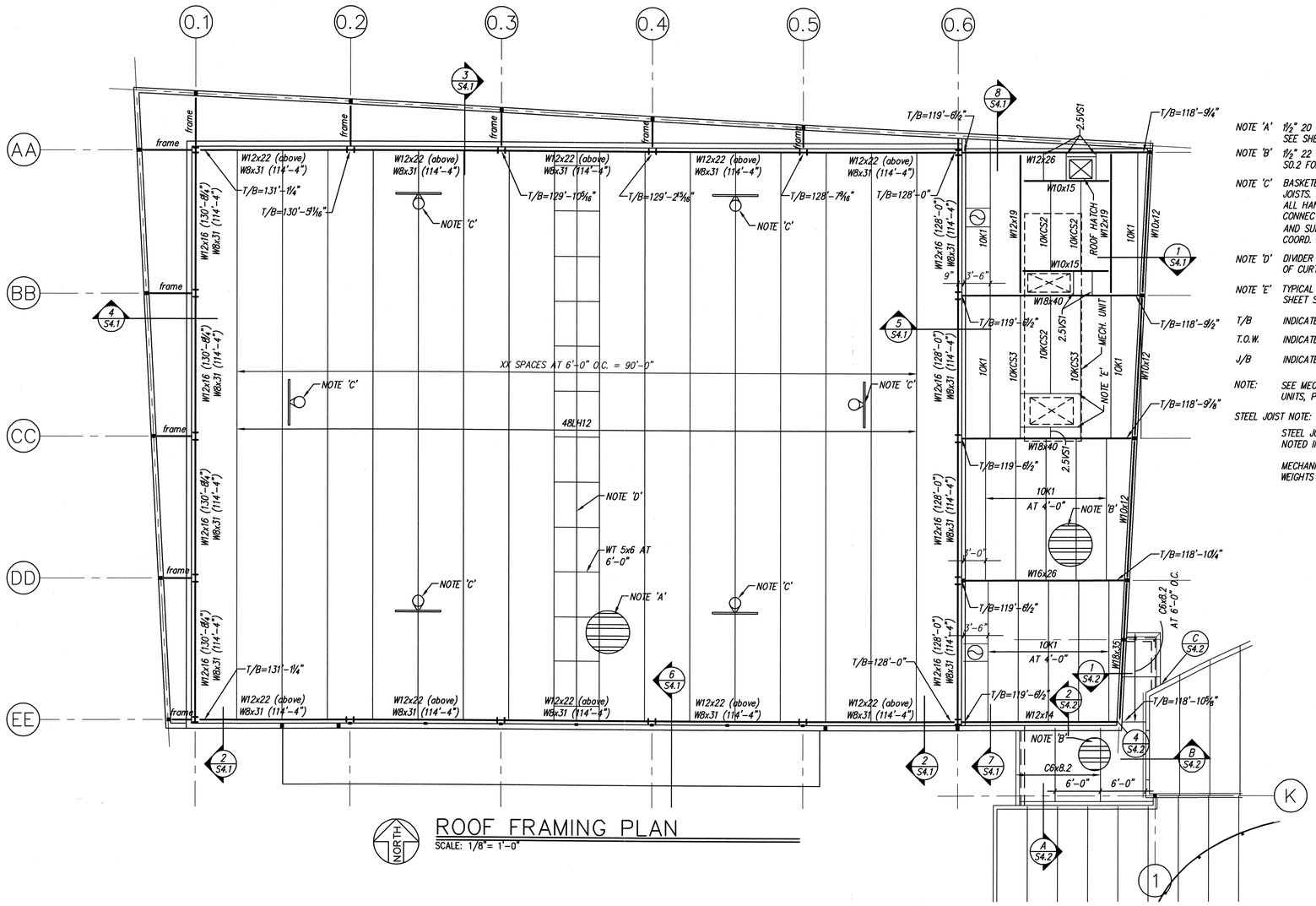
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
FOUNDATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet 12 Of 49
5751.93	L-21-Z	S1.1

...\Data\Projects\00001-00100\00039.350-Manzano\S1-1.dwg 07/03/2002 02:41:19 PM james



NOTE 'A' 1½" 20 GA. ACOUSTIC PAINTED METAL DECK. SEE SHEET S0.2 FOR DECK WELDS.

NOTE 'B' 1½" 22 GA. PAINTED METAL DECK. SEE SHEET S0.2 FOR DECK WELDS.

NOTE 'C' BASKETBALL GOALS SUSPENDED FROM ROOF JOISTS. GOAL MANUFACTURER SHALL PROVIDE ALL HANGING SUPPORT MEMBERS AND CONNECTIONS. ESTIMATED WEIGHT OF GOALS AND SUPPORT FRAMING IS 1000#. (EACH) COORD. EXACT LOCATION WITH ARCH.

NOTE 'D' DIVIDER CURTAIN BELOW. ESTIMATED WEIGHT OF CURTAIN AND MOTORS = 1500 LBS.

NOTE 'E' TYPICAL JOIST HEADER PER DETAIL ON SHEET S0.1

T/B INDICATES TOP OF BEAM ELEVATION

T.O.W. INDICATES TOP OF WALL ELEVATION

J/B INDICATES JOIST BEARING ELEVATION

NOTE: SEE MECHANICAL DRAWINGS FOR ROOF TOP UNITS, PENETRATIONS, ETC.

STEEL JOIST NOTE:

STEEL JOISTS HAVE BEEN SIZED FOR LOADS NOTED IN DESIGN CRITERIA ON SHEET S0.1.

MECHANICAL UNIT ROOF LOCATIONS AND WEIGHTS ARE APPROXIMATE.

ROOF FRAMING PLAN

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

NORTH

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:

BENCH MARK	
C.O.A. BENCHMARK "6-L21"	
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY	
GO DIRECTLY EAST 292'	
ELEVATION = 5471.78'	
GROUND COORDINATES: NORTHING = 1,481,746.33	
EASTING = 418,123.51	
GRID COORDINATES: NORTHING = 1,481,220.09	
EASTING = 417,975.01	
GROUND TO GRID FACTOR: 0.99964485	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

MICRO-FILM INFORMATION	
RECORDED BY	DATE:
NO.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: DHS DATE:07/03/2002
DRAWN BY: J8H DATE:07/03/2002
CHECKED BY: RME DATE:07/03/2002

Red Mountain Engineers, Inc.
JOB NO.: 00039.350 BY: DHS/rme/j8h
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ROOF FRAMING PLAN

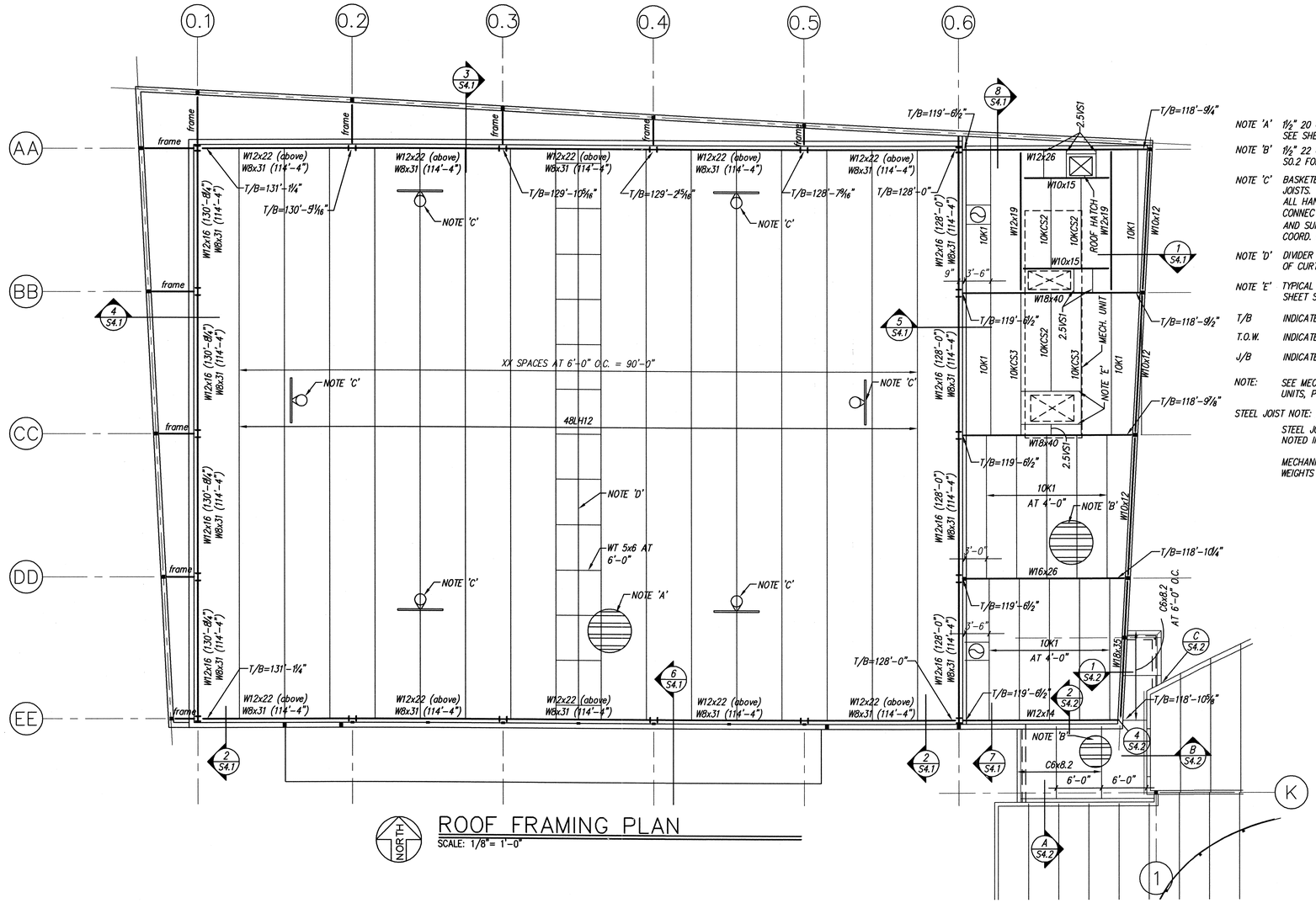
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet 13 Of 49
5751.93	L-21-Z	S2.1

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Z:\Structl\Projects\Kells4Craig\2004-xxxx.xxx - ManzanoMesaGym-As Builts\S2-1.dwg, 06/02/2004 01:16:54 PM



NOTE 'A' 1½" 20 GA. ACOUSTIC PAINTED METAL DECK. SEE SHEET S0.2 FOR DECK WELDS.

NOTE 'B' 1½" 22 GA. PAINTED METAL DECK. SEE SHEET S0.2 FOR DECK WELDS.

NOTE 'C' BASKETBALL GOALS SUSPENDED FROM ROOF JOISTS. GOAL MANUFACTURER SHALL PROVIDE ALL HANGING SUPPORT MEMBERS AND CONNECTIONS. ESTIMATED WEIGHT OF GOALS AND SUPPORT FRAMING IS 1000#. (EACH) COORD. EXACT LOCATION WITH ARCH.

NOTE 'D' DIVIDER CURTAIN BELOW. ESTIMATED WEIGHT OF CURTAIN AND MOTORS = 1500 LBS.

NOTE 'E' TYPICAL JOIST HEADER PER DETAIL ON SHEET S0.1

T/B INDICATES TOP OF BEAM ELEVATION

T.O.W. INDICATES TOP OF WALL ELEVATION

J/B INDICATES JOIST BEARING ELEVATION

NOTE: SEE MECHANICAL DRAWINGS FOR ROOF TOP UNITS, PENETRATIONS, ETC.

STEEL JOIST NOTE:

STEEL JOISTS HAVE BEEN SIZED FOR LOADS NOTED IN DESIGN CRITERIA ON SHEET S0.1.

MECHANICAL UNIT ROOF LOCATIONS AND WEIGHTS ARE APPROXIMATE.

NORTH

ROOF FRAMING PLAN

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

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:
MICRO-FILM INFORMATION	
RECORDED BY	DATE:
NO.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF ELBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVETING CONTROL, INC.	

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER

7/3/02

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY:	DHS
		DRAWN BY:	JBH
		CHECKED BY:	RME

△ 07/22/02 PLAN CHECK AND DRC REVISIONS

DATE:07/03/2002
DATE:07/03/2002
DATE:07/03/2002

Red Mountain Engineers, Inc. — JOB NO.: 00039.350 BY: DHS/rme/jbh — (505) fax 889-2797 ph 889-3004 — 2835 Pan American Freeway Suite C Albuquerque, NM 87107

Kells + Craig

400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102

Architects, Inc. AIA
(505) 243-2724

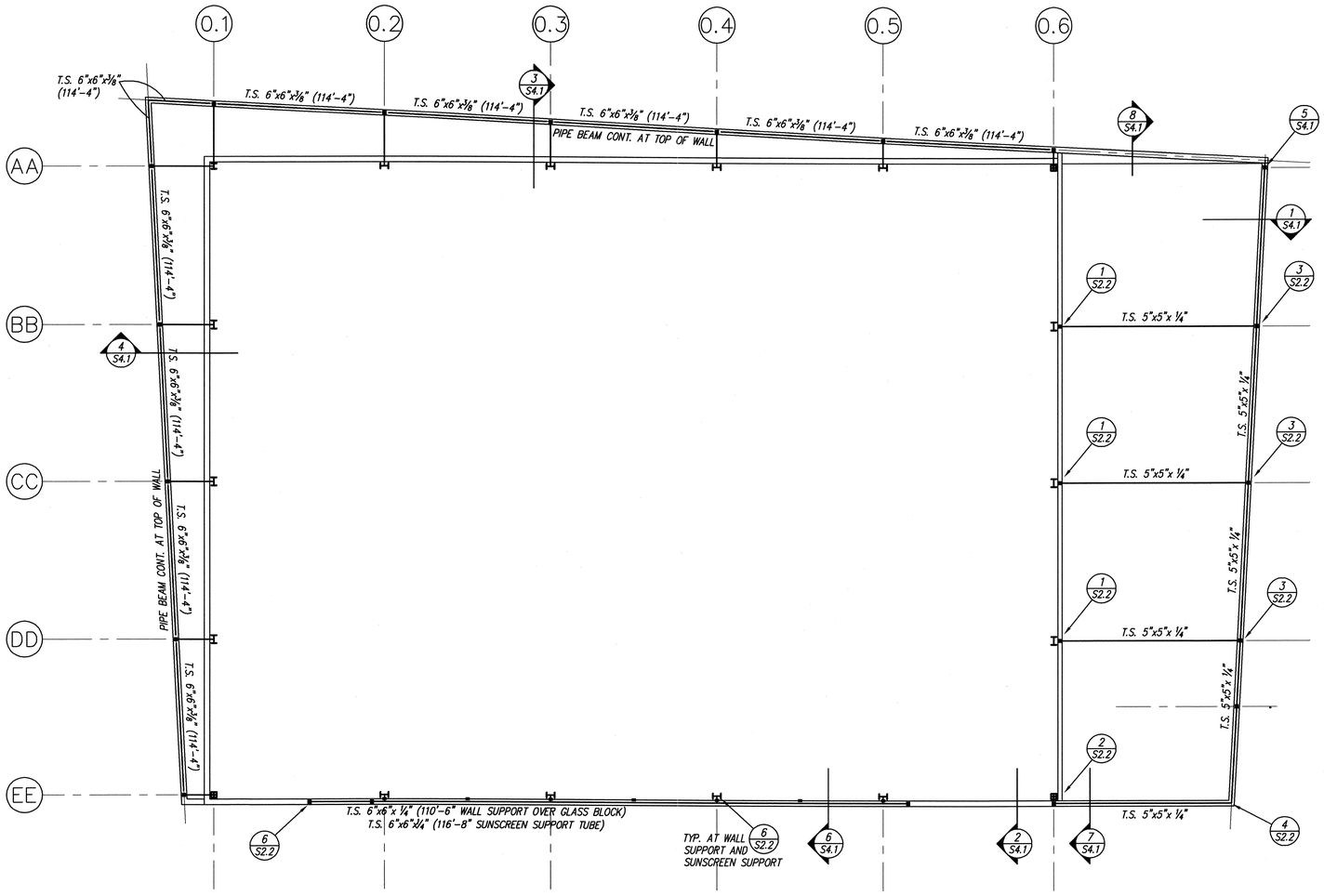
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ROOF FRAMING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 13 Of 49 | S2.1

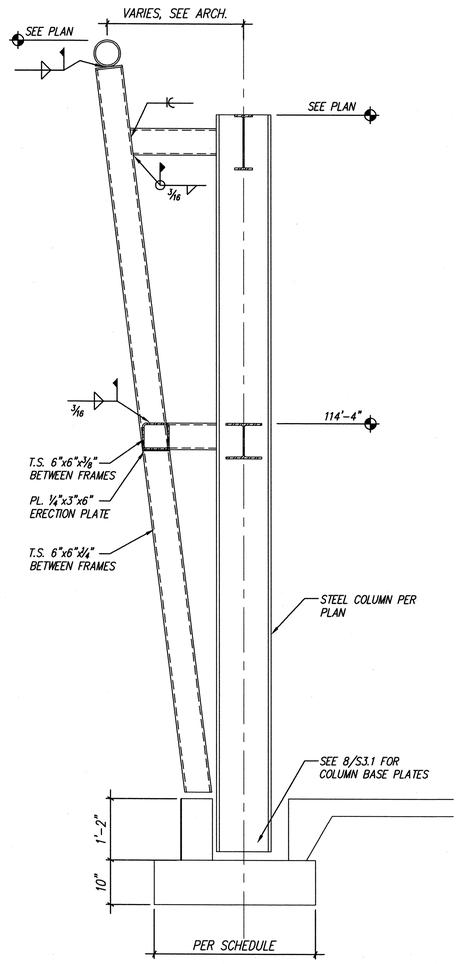
J:\...\Projects\2000\ 001-492 \Kells & Craig\00039.350\Manzano\S2-1.dwg, 07/03/2002 02:35:01 PM, james



NORTH

PARAPET SUPPORT FRAMING PLAN / WALL SUPPORT OVER GLASS BLOCK

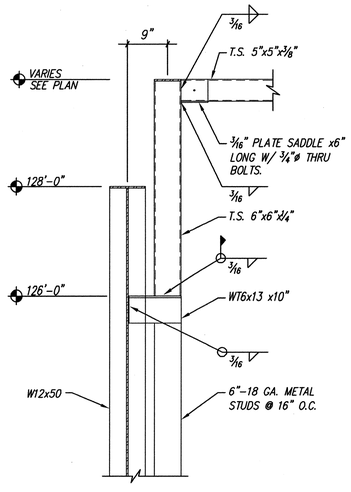
SCALE: 1/8" = 1'-0"



TYPICAL FRAME ELEVATION

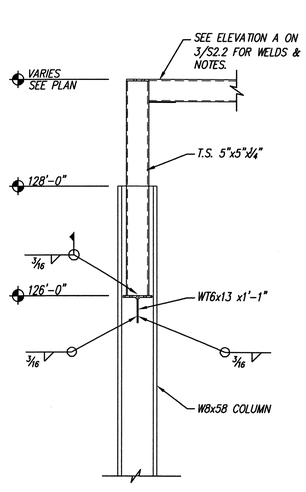
NOT TO SCALE

NOTE: SEE ARCHITECTURAL SHEET A402 FOR FRAME DIMENSION SCHEDULE



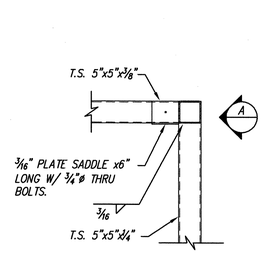
DETAIL 1 S2.2

SCALE : 3/4" = 1'-0"



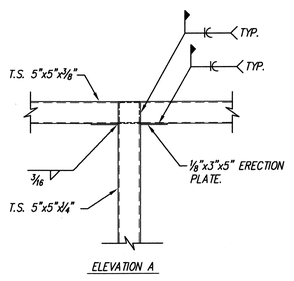
DETAIL 2 S2.2

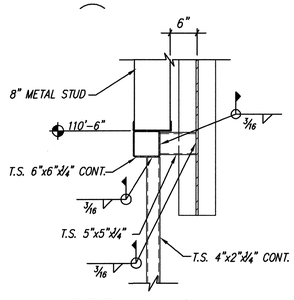
SCALE : 3/4" = 1'-0"



DETAIL 3 S2.2

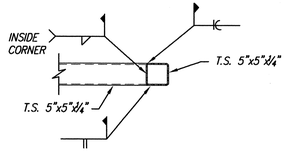
SCALE : 3/4" = 1'-0"





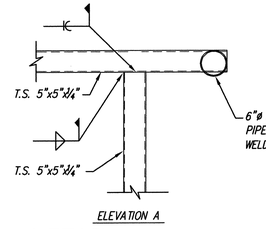
DETAIL 6 S2.2

SCALE : 3/4" = 1'-0"



DETAIL 4 S2.2

SCALE : 3/4" = 1'-0"



DETAIL 5 S2.2

SCALE : 3/4" = 1'-0"

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "B-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:
MICRO-FILM INFORMATION	
RECORDED BY	DATE:
NO.	
GROUND TO GRID FACTOR: 0.99964485	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: DHS DATE:07/03/2002
DRAWN BY: JBH DATE:07/03/2002
CHECKED BY: RME DATE:07/03/2002

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway
Suite C
Albuquerque, NM 87107

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

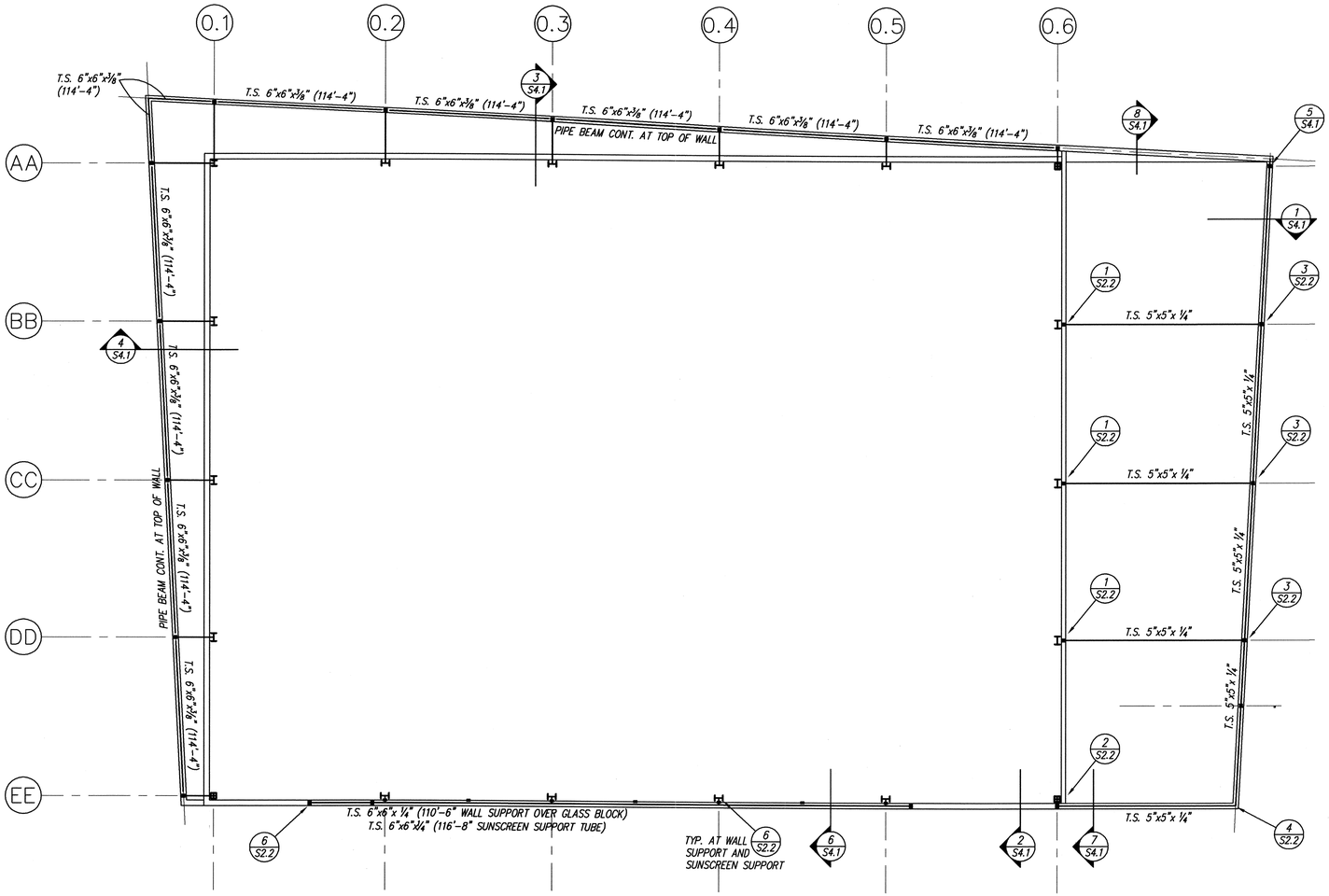
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI-GENERATIONAL CENTER
PARAPET SUPPORT FRAMING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

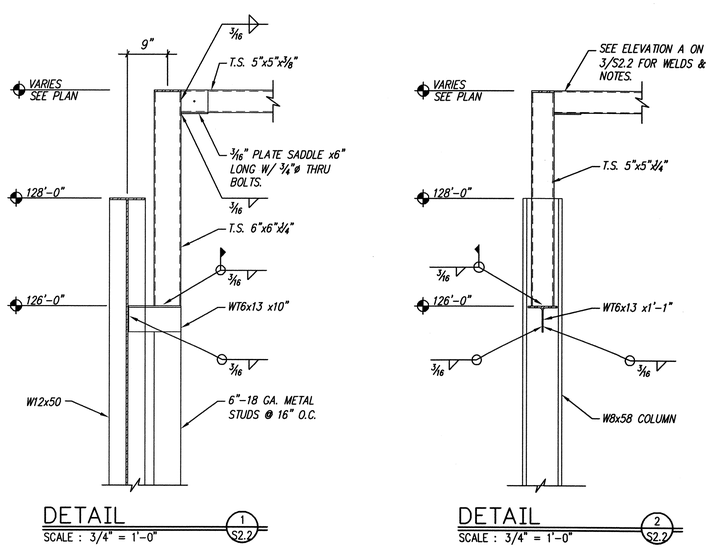
City Project No.	Zone Map No.	Sheet	Of
5751.93	L-21-Z	S2.2	49

Z:\structProjects\Kells&Craig\2004-xxxx.xxx - ManzanoMesaGym-As Builts\S2-2.dwg, 06/02/2004 01:19:43 PM



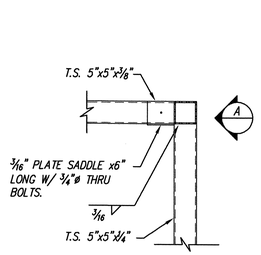
PARAPET SUPPORT FRAMING PLAN / WALL SUPPORT OVER GLASS BLOCK

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

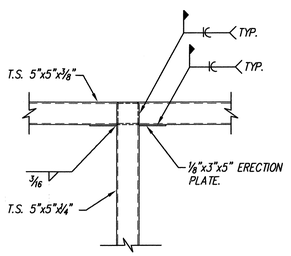


DETAIL 1 S2.2
SCALE : 3/4" = 1'-0"

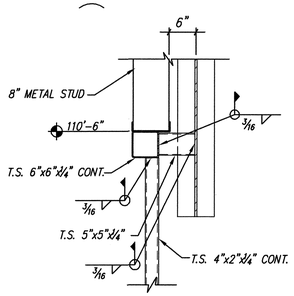
DETAIL 2 S2.2
SCALE : 3/4" = 1'-0"



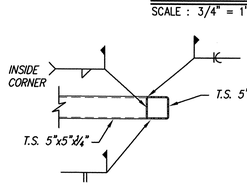
DETAIL 3 S2.2
SCALE : 3/4" = 1'-0"



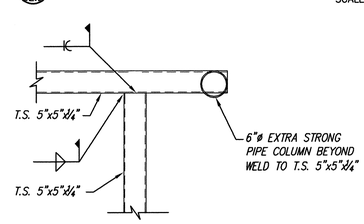
ELEVATION A



DETAIL 6 S2.2
SCALE : 3/4" = 1'-0"

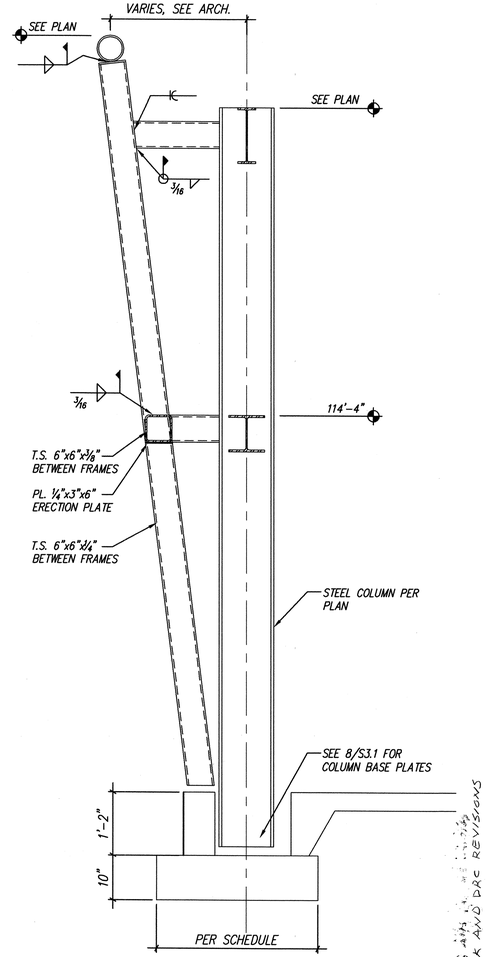


DETAIL 4 S2.2
SCALE : 3/4" = 1'-0"



ELEVATION A

DETAIL 5 S2.2
SCALE : 3/4" = 1'-0"



TYPICAL FRAME ELEVATION

NOT TO SCALE

NOTE: SEE ARCHITECTURAL SHEET A402 FOR FRAME DIMENSION SCHEDULE

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:
MICRO-FILM INFORMATION	
RECORDED BY	DATE:
NO.	

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER 7/3/02

NO.	DATE	REVISIONS/REMARKS	BY
1	07/02/02	PLAN CHECK AND DRC REVISIONS	DHS

DESIGNED BY: DHS DATE: 07/03/2002
DRAWN BY: JBH DATE: 07/03/2002
CHECKED BY: RME DATE: 07/03/2002

Red Mountain Engineers, Inc.
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

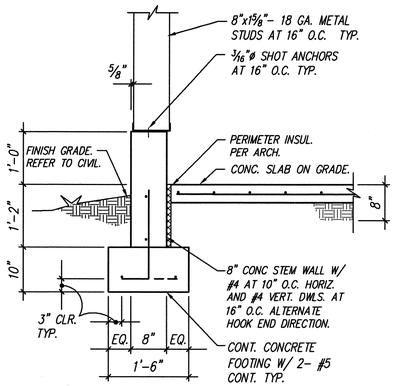
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
PARAPET SUPPORT FRAMING PLAN

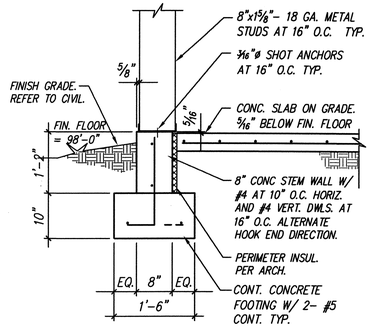
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 14 Of 49 | S2.2

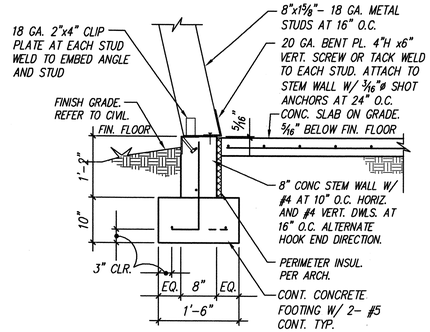
...ments\Projects\2000\ (001-492) Wells & Craig\00039.350\Manzano\S2.2.dwg, 07/03/2002 02:38:02 PM, james



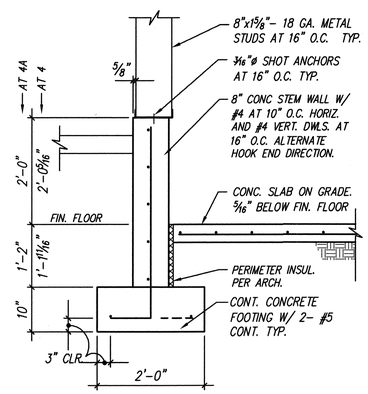
SECTION 1 S3.1
SCALE : 3/4" = 1'-0"



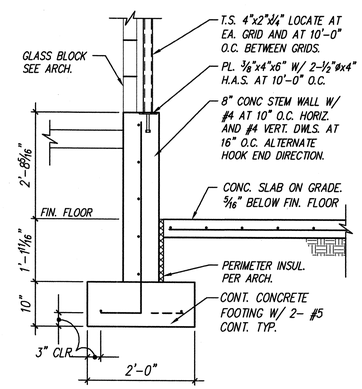
SECTION 2 S3.1
SCALE : 3/4" = 1'-0"



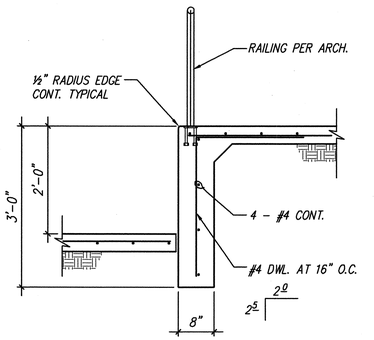
SECTION 3 S3.1
SCALE : 3/4" = 1'-0"



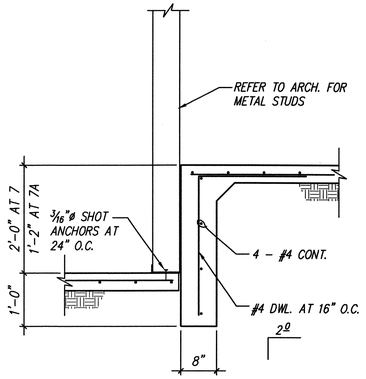
SECTION 4 4A S3.1
SCALE : 3/4" = 1'-0"



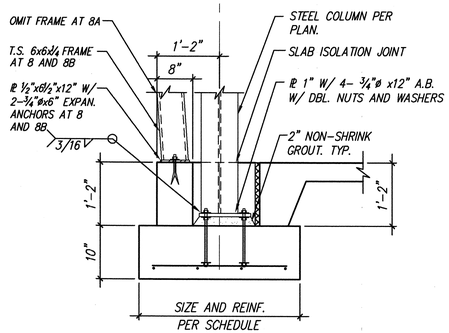
SECTION 5 S3.1
SCALE : 3/4" = 1'-0"



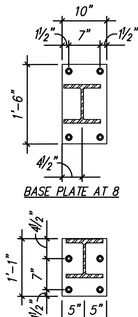
SECTION 6 S3.1
SCALE : 3/4" = 1'-0"



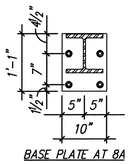
SECTION 7 7A S3.1
SCALE : 3/4" = 1'-0"



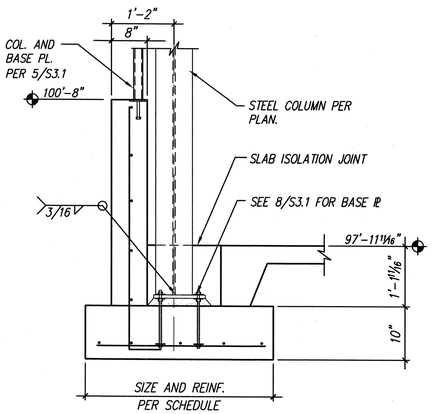
DETAIL 8 8A 8B S3.1
SCALE : 3/4" = 1'-0"



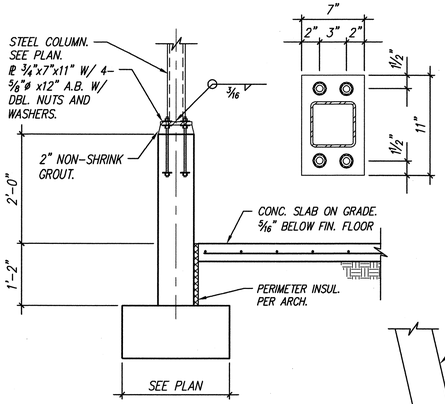
BASE PLATE AT 8



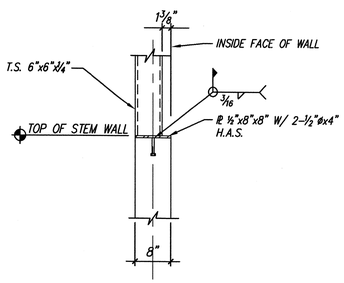
BASE PLATE AT 8A



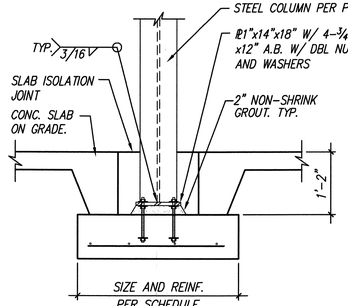
DETAIL 9 S3.1
SCALE : 3/4" = 1'-0"



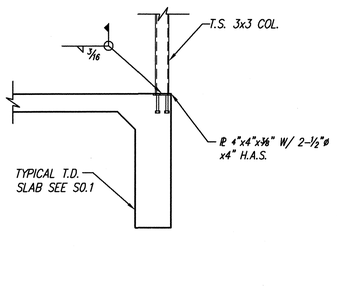
DETAIL 10 S3.1
SCALE : 3/4" = 1'-0"



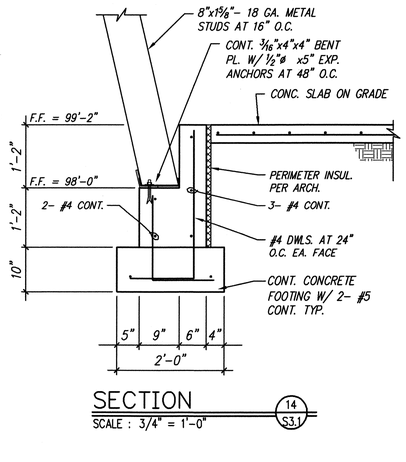
DETAIL 11 S3.1
SCALE : 3/4" = 1'-0"



DETAIL 12 S3.1
SCALE : 3/4" = 1'-0"



DETAIL 13 S3.1
SCALE : 3/4" = 1'-0"



SECTION 14 S3.1
SCALE : 3/4" = 1'-0"

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Red Mountain Engineers, Inc.
JOB NO.: 00039.350 BY: DHS/rme/jBH
(505) fax 889–2797 ph 889–3004
2635 Pan American Freeway
Suite C
Albuquerque, NM 87107

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:
MICRO–FILM INFORMATION
RECORDED BY — DATE:
NO.

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
1	12/1/00	PLAN CHECK & DRC REVISIONS	

DESIGNED BY: DHS DATE:07/03/2002
DRAWN BY: JBH DATE:07/03/2002
CHECKED BY: RME DATE:07/03/2002

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243–2724

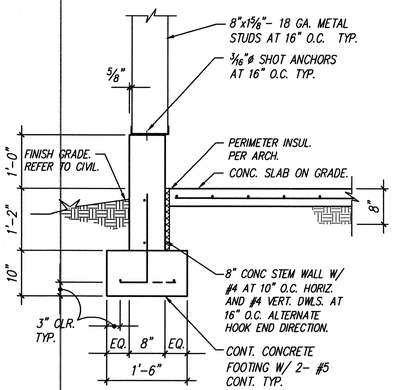
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI–GENERATIONAL CENTER
SECTION / DETAILS

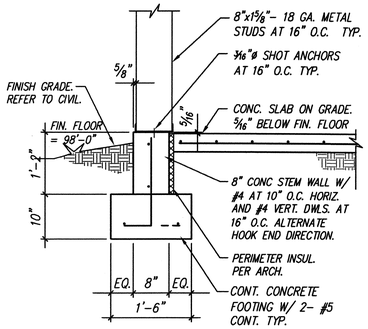
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.93 | Zone Map No. L–21–Z | Sheet 15 Of 49 | S3.1

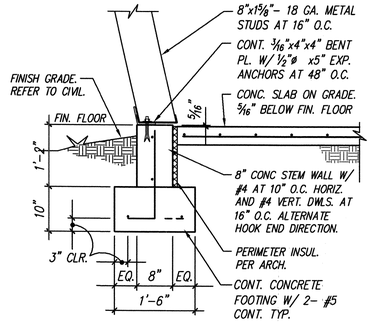
Z:\Structl\Projects\Kells&Craig\2004-xxxx.xxx - Manzano Mesa\Gym-As Builts\S3-1.dwg, 06/02/2004 01:22:31 PM



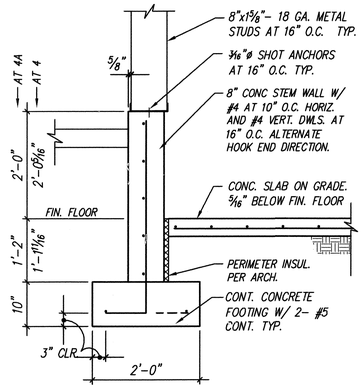
SECTION 1 S3.1
SCALE : 3/4" = 1'-0"



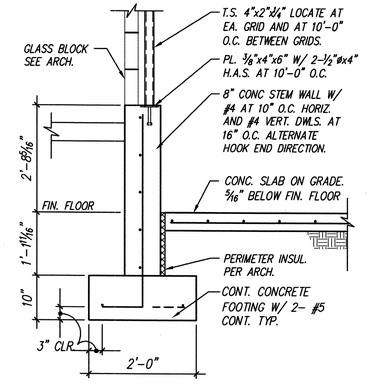
SECTION 2 S3.1
SCALE : 3/4" = 1'-0"



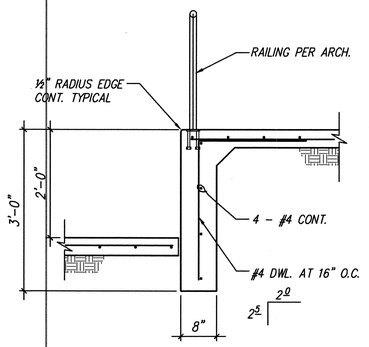
SECTION 3 S3.1
SCALE : 3/4" = 1'-0"



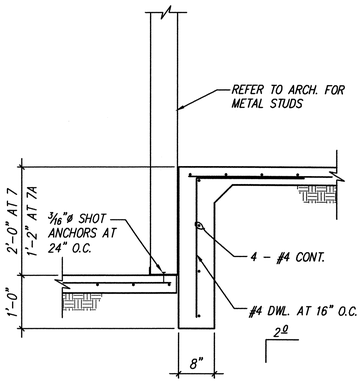
SECTION 4 S3.1 4A S3.1
SCALE : 3/4" = 1'-0"



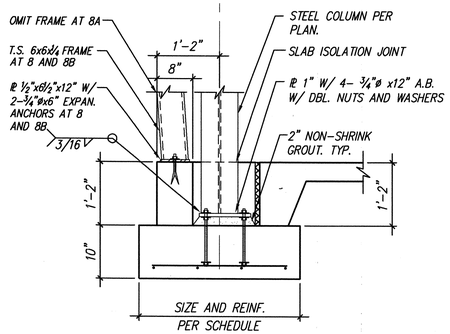
SECTION 5 S3.1
SCALE : 3/4" = 1'-0"



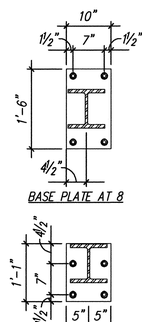
SECTION 6 S3.1
SCALE : 3/4" = 1'-0"

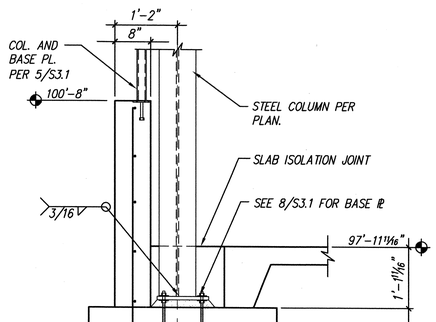


SECTION 7 S3.1 7A S3.1
SCALE : 3/4" = 1'-0"

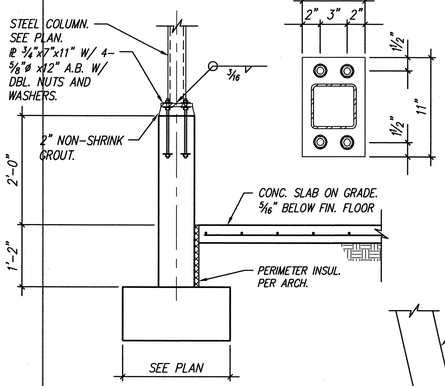


DETAIL 8 S3.1 8A S3.1 8B S3.1
SCALE : 3/4" = 1'-0"

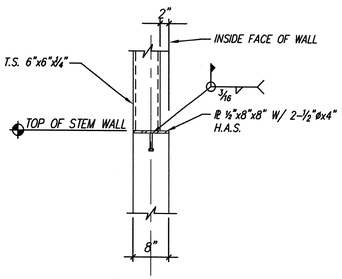




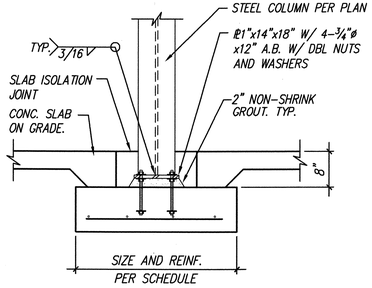
DETAIL 9 S3.1
SCALE : 3/4" = 1'-0"



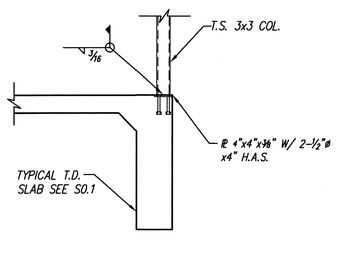
DETAIL 10 S3.1
SCALE : 3/4" = 1'-0"



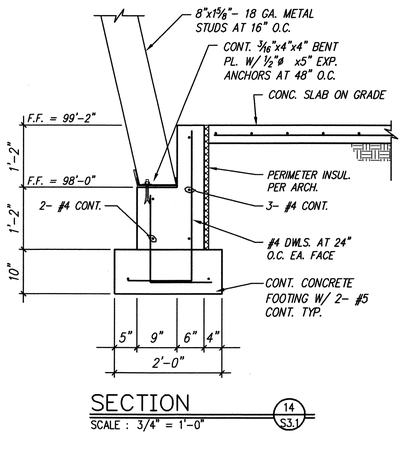
DETAIL 11 S3.1
SCALE : 3/4" = 1'-0"



DETAIL 12 S3.1
SCALE : 3/4" = 1'-0"



DETAIL 13 S3.1
SCALE : 3/4" = 1'-0"



SECTION 14 S3.1
SCALE : 3/4" = 1'-0"

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11569	STEPHEN JAMES TOLER, FROM SURVETING CONTROL, INC.	

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER
1/3/02

NO.	DATE	REVISIONS/REMARKS	BY	
		DESIGNED BY: DHS		DATE:07/03/2002
		DRAWN BY: JBH		DATE:07/03/2002
		CHECKED BY: RME		DATE:07/03/2002

△ 07/23/02 BID/CHECK AND DRC REVISIONS

GROUND TO GRID FACTOR: 0.99964485

Red Mountain Engineers, Inc. — JOB NO.: 00039.350 BY: DHS/rme/jbh — (505) fax 889–2797 ph 889–3004 — 2835 Pan American Freeway NE Suite C Albuquerque, NM 87107

Kells + Craig — Architects, Inc. AIA
400 Gold S.W. Suite 880 Albuquerque, New Mexico 87102 — (505) 243-2724

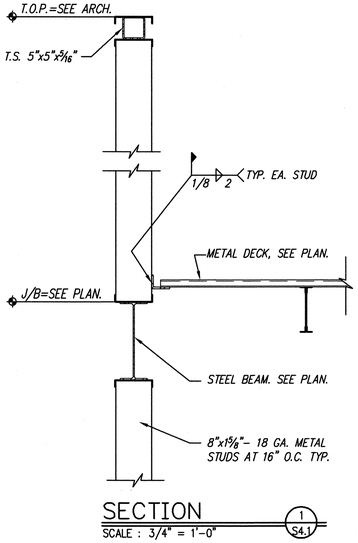
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI–GENERATIONAL CENTER
SECTION / DETAILS

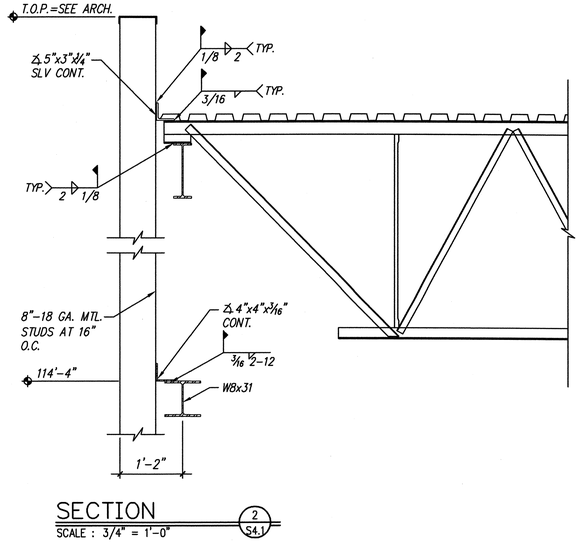
Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG – 1 2002 CITY ENGINEER
Last Design Update: MO/DAY/YR. | MO/DAY/YR.

City Project No. 5751.93
Zone Map No. L–21–Z
Sheet 15 Of 49
S3.1

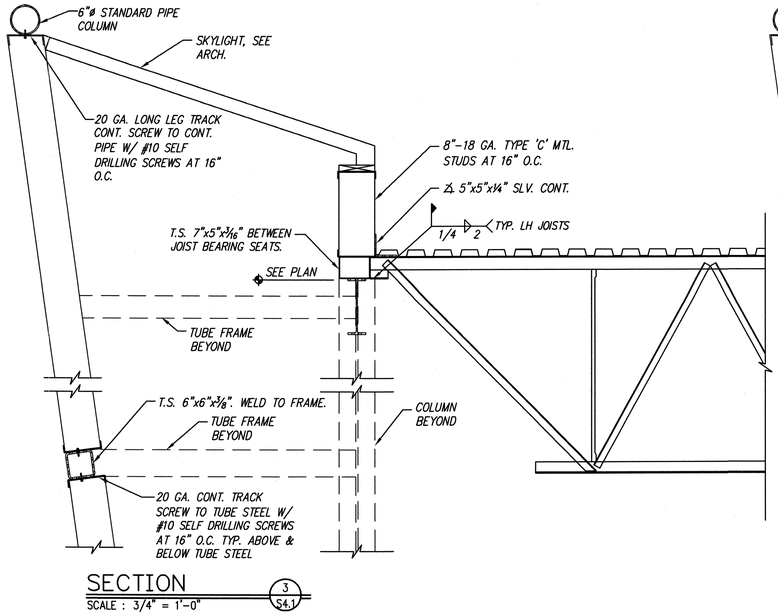
J:\Projects\2000\ (00)-1-192 JKells & Craig\00039.350-Manzano\S3-1.dwg, 07/03/2002 02:37:09 PM, james



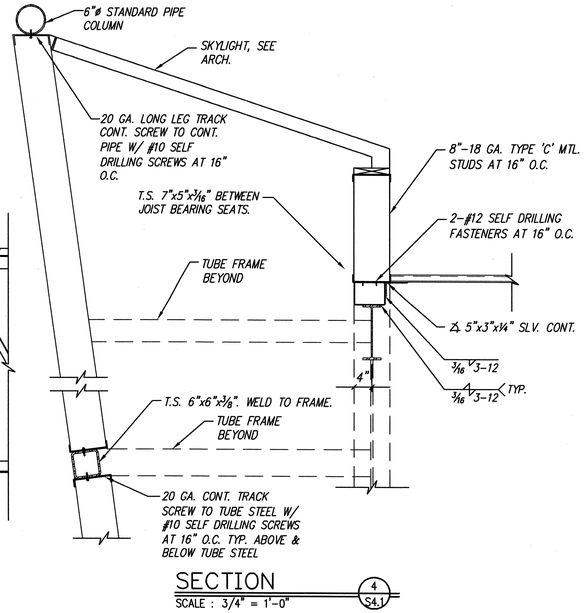
SECTION 1 S4.1
SCALE : 3/4" = 1'-0"



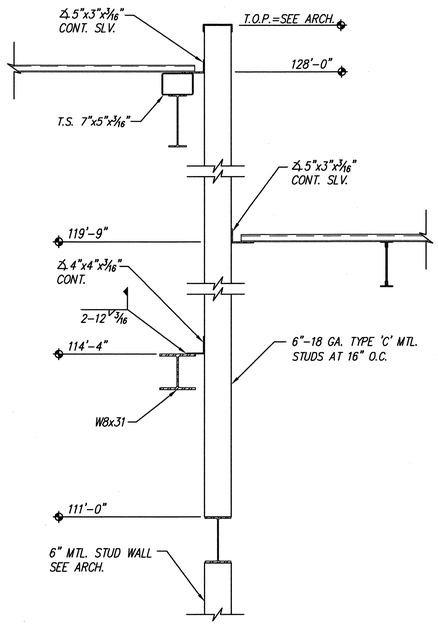
SECTION 2 S4.1
SCALE : 3/4" = 1'-0"



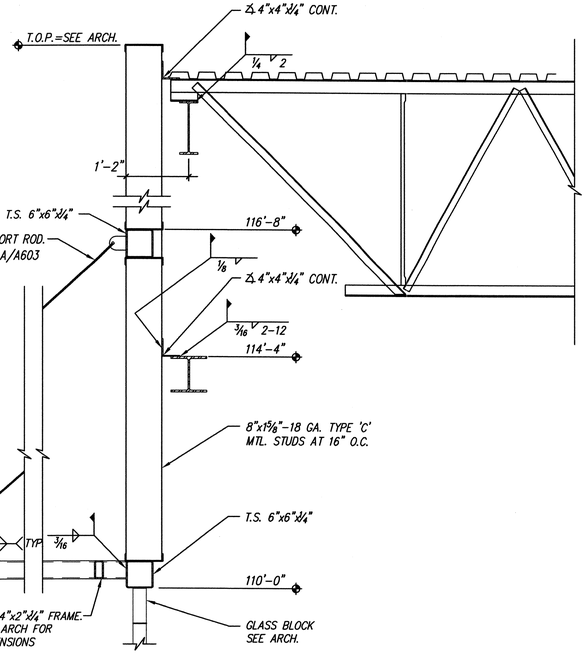
SECTION 3 S4.1
SCALE : 3/4" = 1'-0"



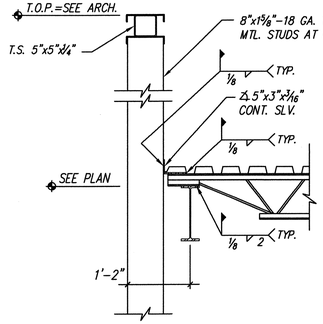
SECTION 4 S4.1
SCALE : 3/4" = 1'-0"



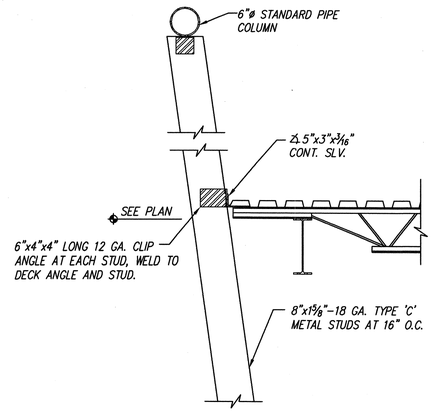
SECTION 5 S4.1
SCALE : 3/4" = 1'-0"



SECTION 6 S4.1
SCALE : 3/4" = 1'-0"



SECTION 7 S4.1
SCALE : 3/4" = 1'-0"



SECTION 8 S4.1
SCALE : 3/4" = 1'-0"

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

SURVEY INFORMATION

BENCH MARK
C.O.A. BENCHMARK "6-121"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: DHS	DATE:07/03/2002
		DRAWN BY: J8H	DATE:07/03/2002
		CHECKED BY: RME	DATE:07/03/2002

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/j8h
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107

Kells + Craig — Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SECTIONS / DETAILS

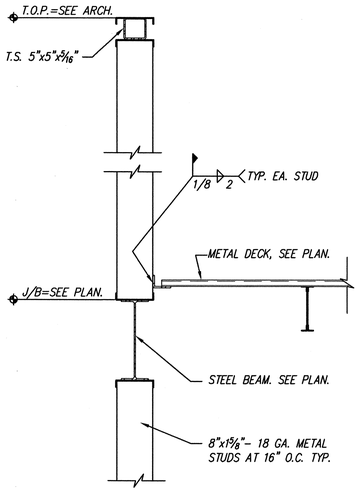
Design Review Committee	City Engineer Approval	Last Design Update	MO/DAY/YR.	MO/DAY/YR.

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 16 Of 49 | S4.1

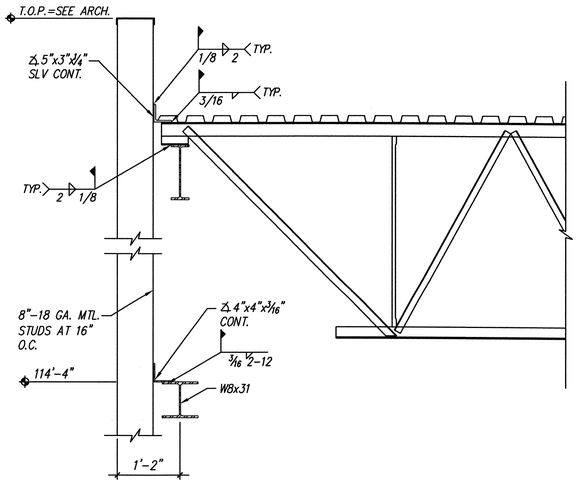
RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

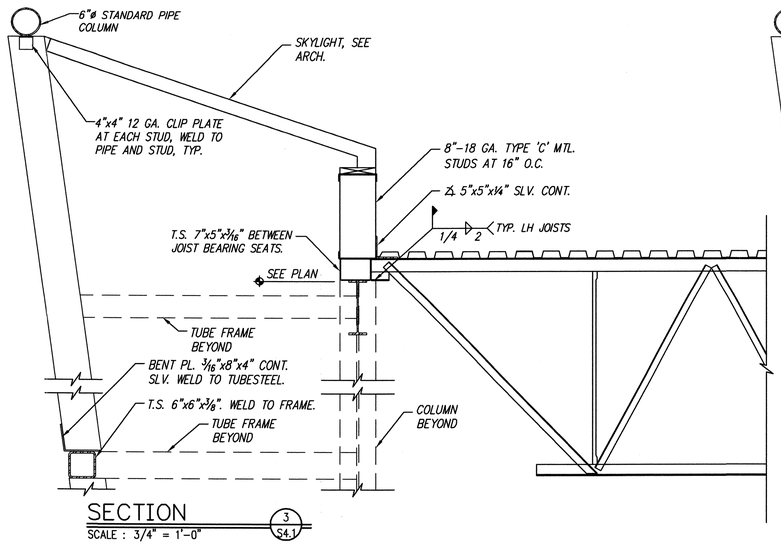
Z:\structProjects\Kells#Craig\2004-xxxx.xxx - ManzanoMesaGym-As Builts\S4-1.dwg, 06/02/2004 01:26:00 PM



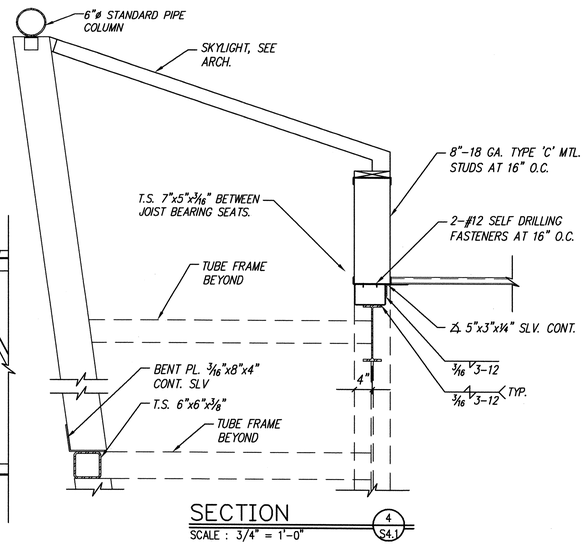
SECTION 1 S4.1
SCALE : 3/4" = 1'-0"



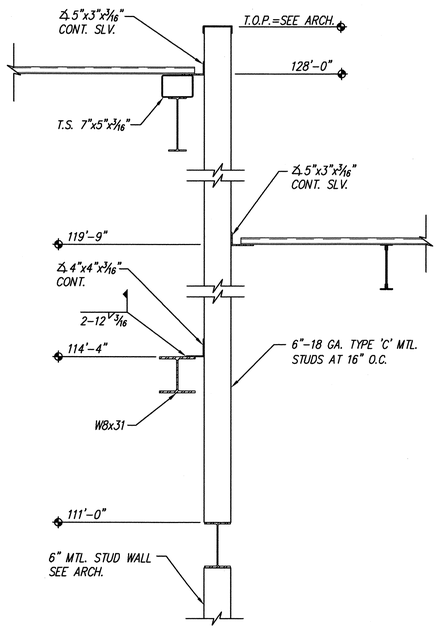
SECTION 2 S4.1
SCALE : 3/4" = 1'-0"



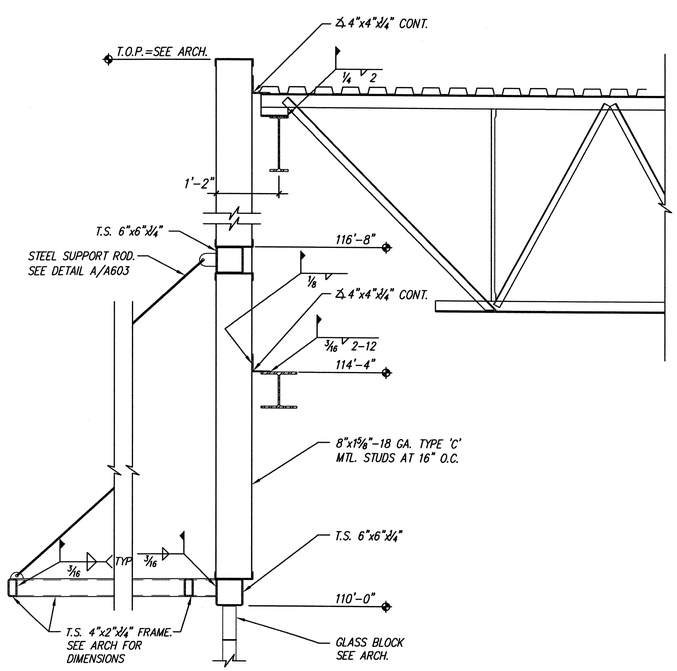
SECTION 3 S4.1
SCALE : 3/4" = 1'-0"



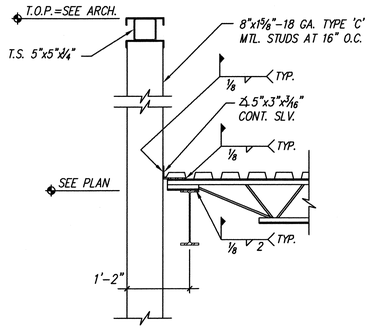
SECTION 4 S4.1
SCALE : 3/4" = 1'-0"



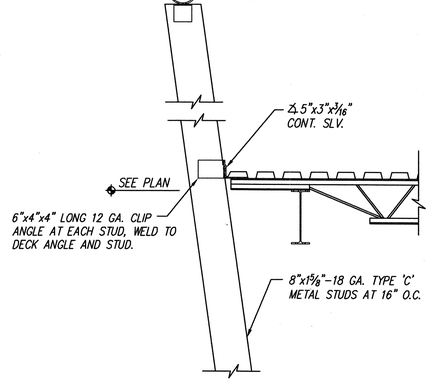
SECTION 5 S4.1
SCALE : 3/4" = 1'-0"



SECTION 6 S4.1
SCALE : 3/4" = 1'-0"



SECTION 7 S4.1
SCALE : 3/4" = 1'-0"



SECTION 8 S4.1
SCALE : 3/4" = 1'-0"

4 07/22/02 PLAN CHECK AND DRC REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY:
		DATE:07/03/2002	DHS
		DATE:07/03/2002	J&H
		DATE:07/03/2002	RME

DESIGNED BY: DHS
DRAWN BY: J&H
CHECKED BY: RME

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11569	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

DAVID H. SULLENS
NEW MEXICO
13512
REGISTERED PROFESSIONAL ENGINEER
7/3/02

Red Mountain Engineers, Inc.
Engineers • Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway
Suite C
Albuquerque, NM 87107

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

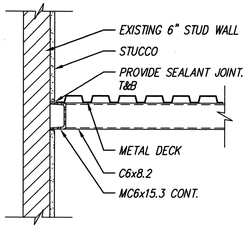
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SECTIONS / DETAILS

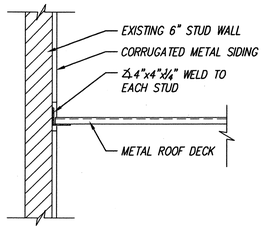
Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 16 Of 19
S4.1

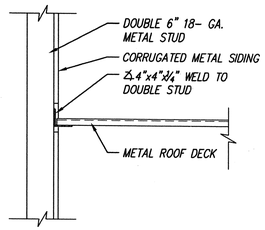
I:\acd\Projects\00039.350\ (001-492) Kells & Craig\00039.350-Manzano\S4-1.dwg, 07/03/2002 02:38:13 PM, james



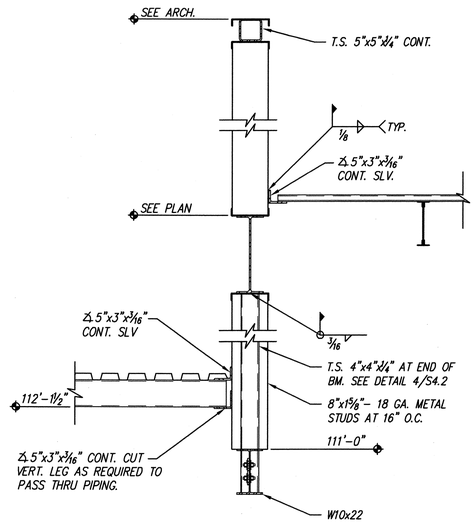
SECTION
SCALE : 3/4" = 1'-0"



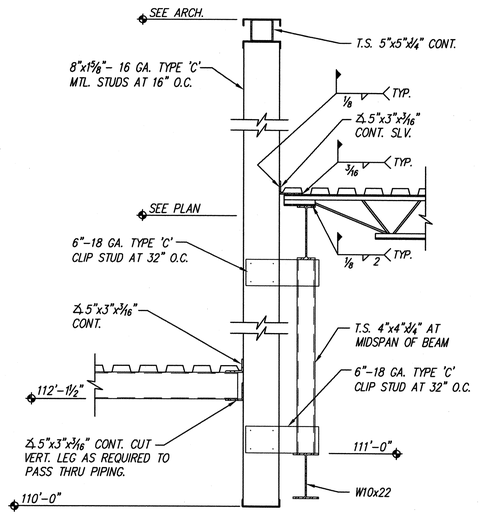
SECTION
SCALE : 3/4" = 1'-0"



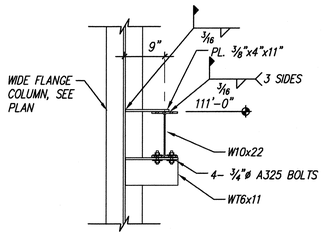
DETAIL
SCALE : 3/4" = 1'-0"



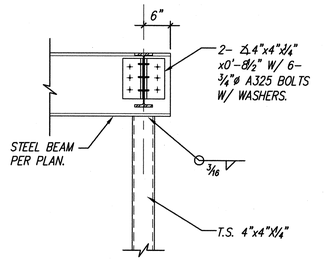
SECTION
SCALE : 3/4" = 1'-0"



SECTION
SCALE : 3/4" = 1'-0"



DETAIL
SCALE : 3/4" = 1'-0"



DETAIL
SCALE : 3/4" = 1'-0"

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

AS BUILT INFORMATION

CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:

BENCH MARK

C.O.A. BENCHMARK "8-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO-FILM INFORMATION

RECORDED BY	DATE:
NO.	
GROUND TO GRID FACTOR: 0.99964485	

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: DHS DATE: 07/03/2002
DRAWN BY: JBH DATE: 07/03/2002
CHECKED BY: RME DATE: 07/03/2002

ARCHITECTS STAMP

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway, Suite C
Albuquerque, NM 87107

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

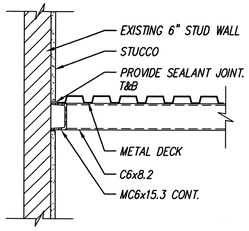
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SECTIONS / DETAILS

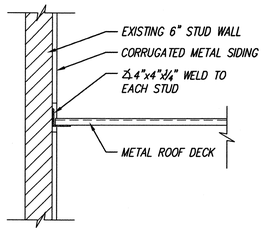
Design Review Committee	City Engineer Approval	Last Design Update	MO/DAY/YR.	MO/DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 17 Of 49
S4.2

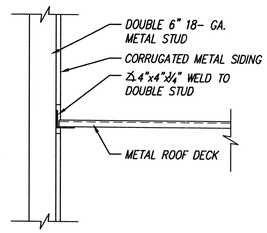
Z:\Structr\Projects\Kells+Craig\CU04-xxxx.xxx - Manzano Mesa Gym-As Builts\S4-2.dwg, 06/02/2004 01:33:44 PM



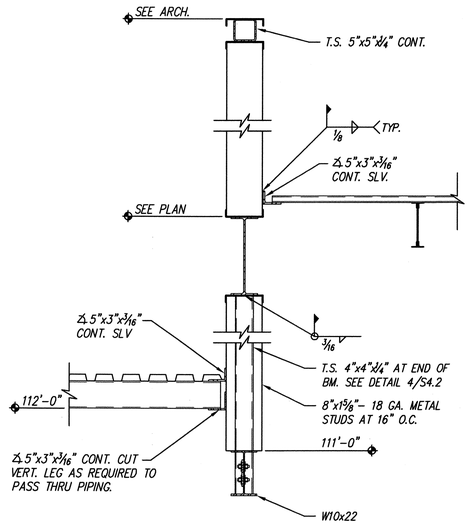
SECTION A S4.2
SCALE : 3/4" = 1'-0"



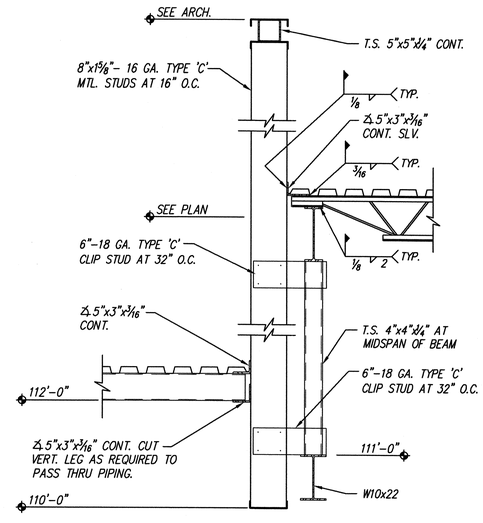
SECTION B S4.2
SCALE : 3/4" = 1'-0"



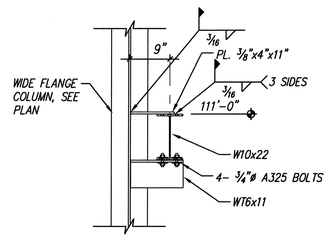
DETAIL C S4.2
SCALE : 3/4" = 1'-0"



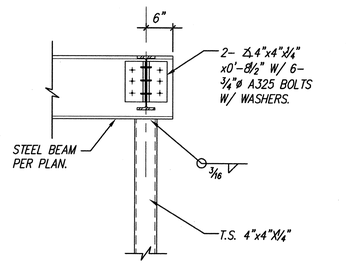
SECTION 1 S4.2
SCALE : 3/4" = 1'-0"



SECTION 2 S4.2
SCALE : 3/4" = 1'-0"



DETAIL 3 S4.2
SCALE : 3/4" = 1'-0"



DETAIL 4 S4.2
SCALE : 3/4" = 1'-0"

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER. FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ARCHITECT
7/3/02

NO.	DATE	REVISIONS/REMARKS	BY
1	7/3/02	PLAN CHECK 2ND SUBMITTAL	DHS
2	7/3/02	PLAN CHECK 2ND SUBMITTAL	DHS

DESIGNED BY: DHS
DRAWN BY: JBH
CHECKED BY: RME

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2635 Pan American Freeway Suite C
Albuquerque, NM 87107

Kells + Craig — Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

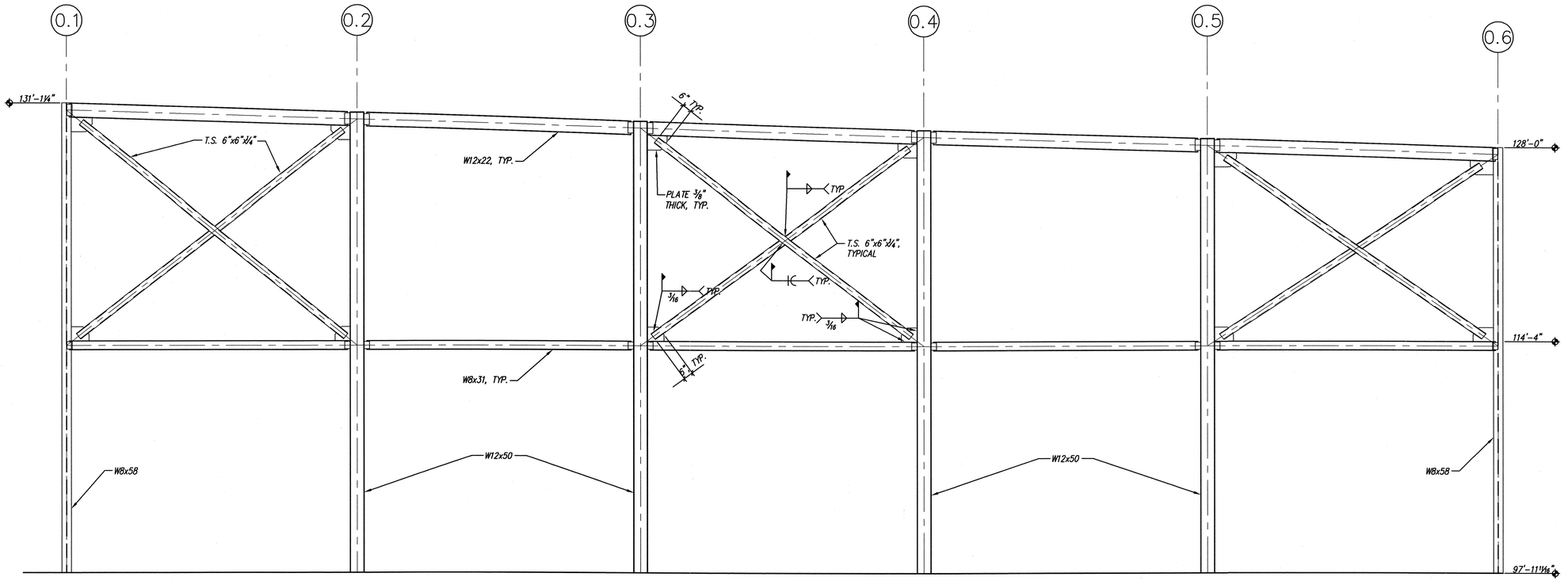
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SECTIONS / DETAILS

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update: MO./DAY/YR. | MO./DAY/YR.

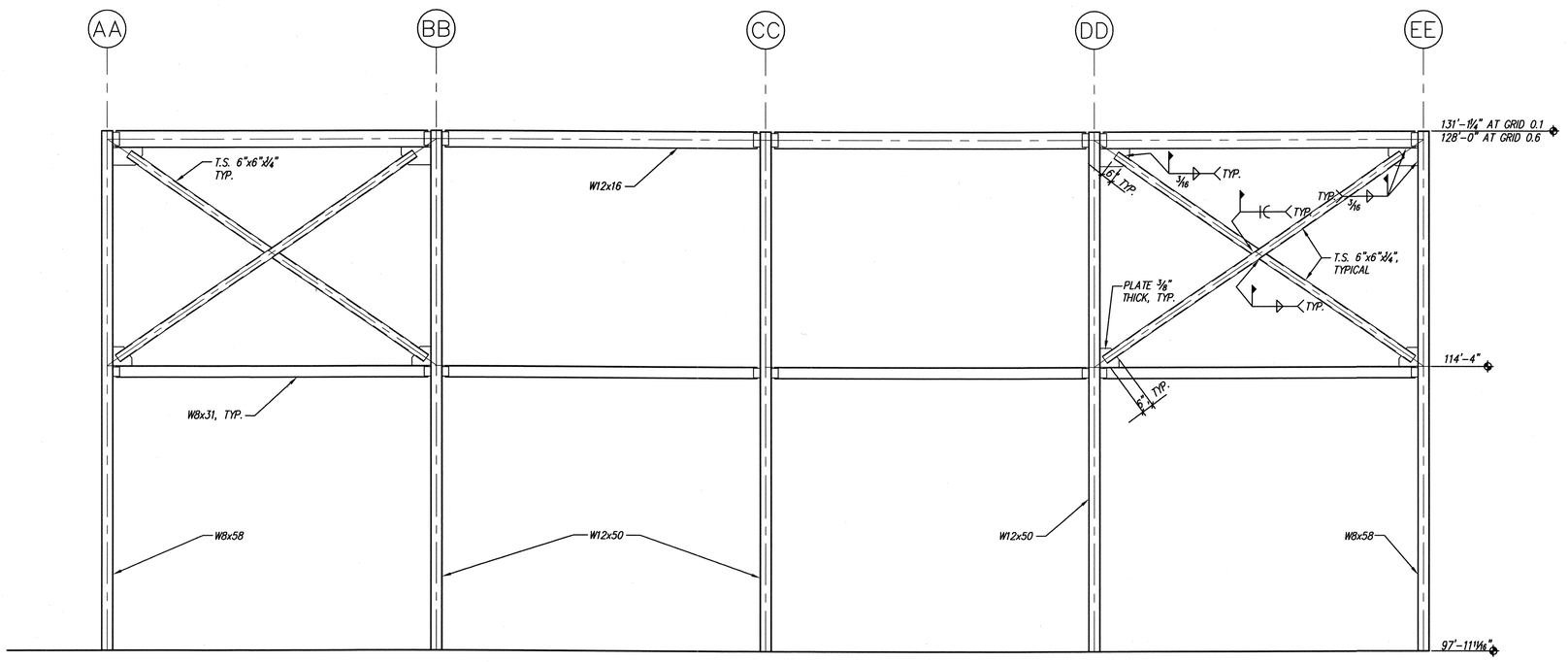
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 17 Of 49
S4.2

Z:\...\Projects\2000\001-492 \Wells fr Craig\00039.350\Manzano\S4-2.dwg, 07/03/2002 9:13:55 PM, james



BRACED FRAME AT GRIDS AA AND EE

SCALE: 1/4" = 1'-0"



BRACED FRAME AT GRIDS 0.1 AND 0.6

SCALE: 1/4" = 1'-0"

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jBh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "5-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

DAVID H. SULLEN
NEW MEXICO
13512
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
1	12/1/00	PLAN CHECK & DRC REVISIONS	

DESIGNED BY: DHS DATE:07/03/2002
DRAWN BY: RJC DATE:07/03/2002
CHECKED BY: RMF DATE:07/03/2002

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

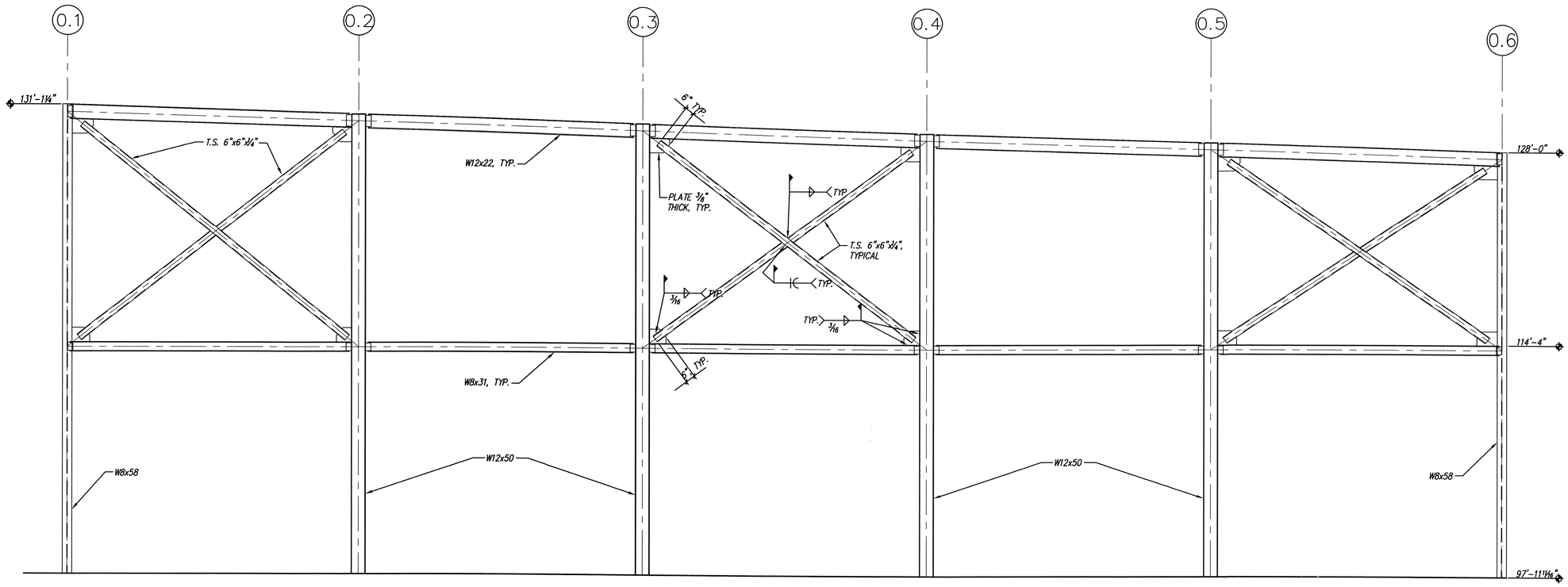
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
BRACE FRAME ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

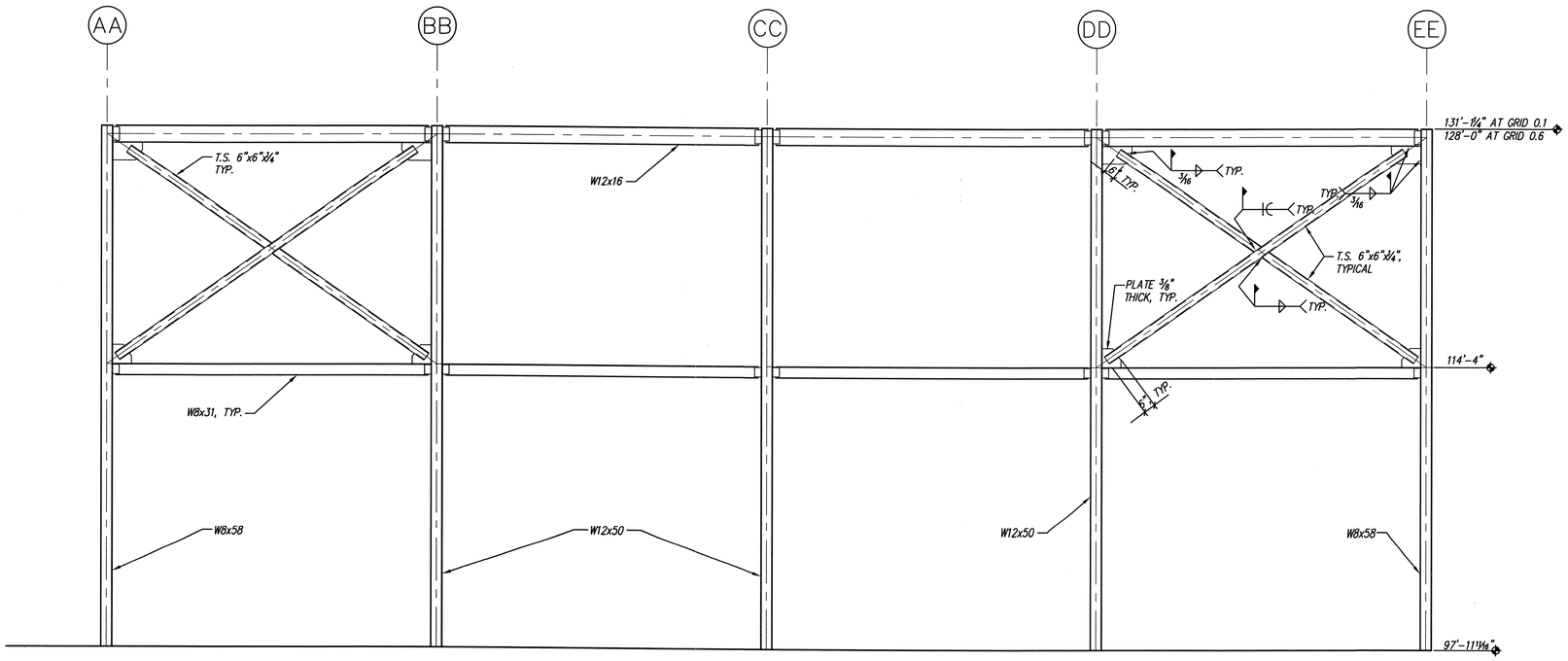
City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 18 Of 49 | S5.1

Z:\Struct\Projects\Kells+Craig\2004-xxxx.xxx - ManzanoMesaGym-As Builts\S5.1.dwg, 06/02/2004 01:34:59 PM



BRACED FRAME AT GRIDS AA AND EE

SCALE: 1/4" = 1'-0"



BRACED FRAME AT GRIDS 0.1 AND 0.6

SCALE: 1/4" = 1'-0"

Δ 07/22/02 PLAN CHECK AND DRC REVISIONS

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:

MICRO-FILM INFORMATION

RECORDED BY: DATE:

NO.

BENCH MARK	
C.O.A. BENCHMARK "6-L21"	
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY	
GO DIRECTLY EAST 292'	
ELEVATION = 5471.78'	
GROUND COORDINATES:	NORTHING = 1,481,746.33
	EASTING = 418,123.51
GRID COORDINATES:	NORTHING = 1,481,220.09
	EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485	

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11569	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

ARCHITECTS STAMP

DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER
7/3/02

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: DHS	DATE: 07/03/2002
		DRAWN BY: RJC	DATE: 07/03/2002
		CHECKED BY: RMF	DATE: 07/03/2002

Red Mountain Engineers, Inc. — Engineers · Surveyors
JOB NO.: 00039.350 BY: DHS/rme/jbh
(505) fax 889-2797 ph 889-3004
2835 Pan American Freeway Suite C
Albuquerque, NM 87107

Kells + Craig — Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

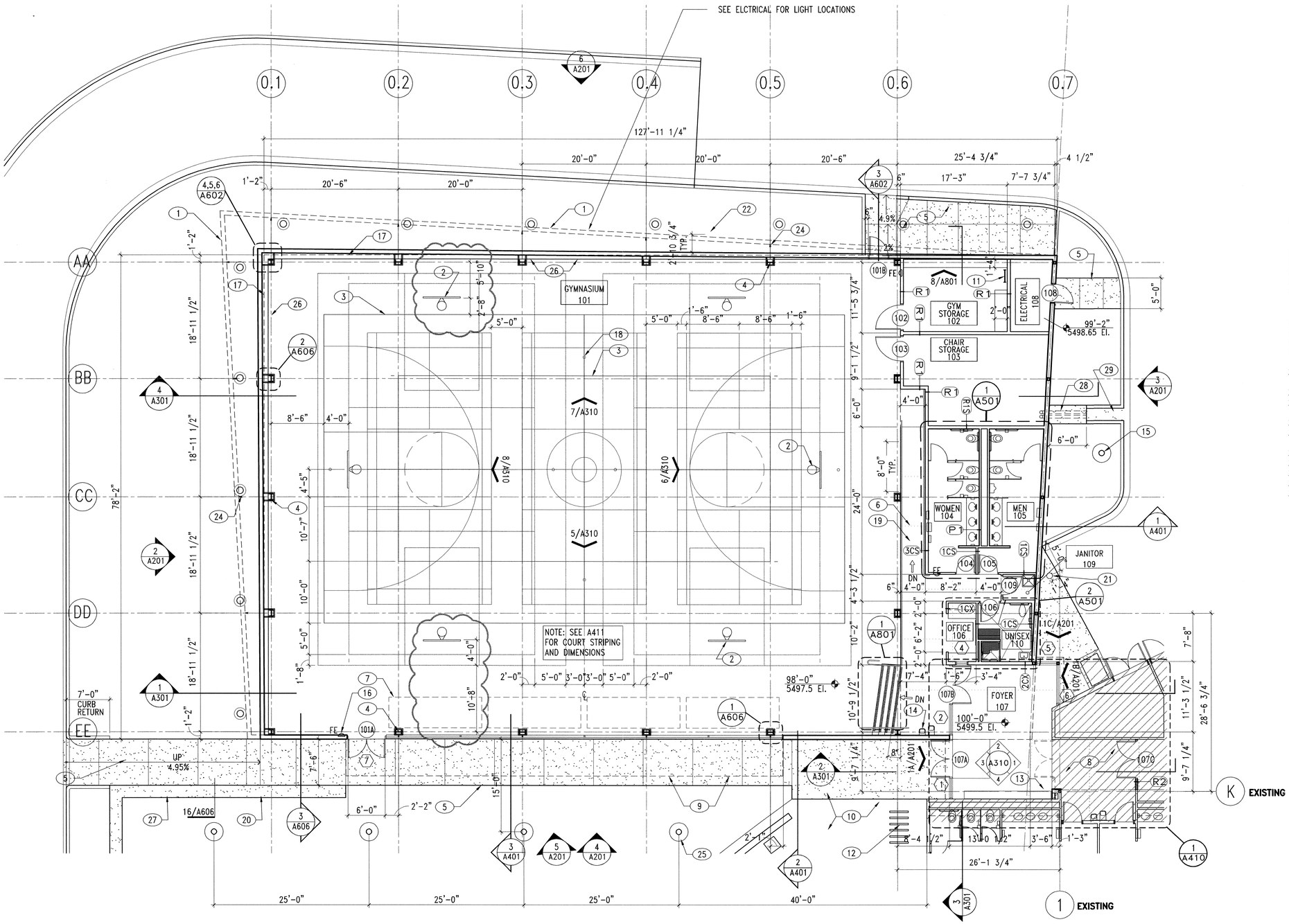
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
BRACE FRAME ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet
5751.93	L-21-Z	18 Of 49 S5.1

I:\cad\Projects\2000\ [001-492]Kells & Craig\00039.350\Manzano\S5.1.dwg, 07/03/2002 02:39:58 PM, james



1 GYMNASIUM PLAN
1/8"=1'-0"
NORTH

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. LINE OF WALL AT PARAPET ABOVE
2. BASKETBALL GOAL, TYP.
3. COURT STRIPING, SEE A411 FOR DIMS
4. STEEL COLUMN, TYP.
5. CONCRETE PAVING
6. ACCESSIBLE RAMP
7. TILT & ROLL PORTABLE BLEACHERS BY OTHERS
8. PORTION OF PROJECT DELINEATED IN SEPARATE CONTRACT DOCUMENTS
9. METAL SHADE CANOPY ABOVE
10. SEE SITE PLAN, CIVIL DRAWINGS FOR SCOPE OF EXTERIOR PAVING AND OTHER SITE WORK
11. ROOF LADDER, SEE DETAIL 1/A602
12. EXISTING BIKE LOOPS, SEE SITE PLAN
13. METAL LOCKERS, SEE SPEC'S
14. DRINKING FOUNTAIN
15. EXISTING 12' POLE MOUNTED LIGHT BASE, INSTALL OWNER SUPPLIED LIGHT AND POLE THIS CONTRACT-SEE ELECTRICAL.
16. FIRE EXTINGUISHER TYPICAL, SEE DETAIL 1/A801
17. LINE OF EXTERIOR WALL AT LEVEL OF FLOOR
18. VOLLEYBALL NET SUPPORT FLOOR SLEEVE, TYP.
19. CONTROL JOINT. SEE DETAIL17/A606 AND LAYOUT PLAN 1/A411 FOR DIMENSIONS
20. EXTEND MOW STRIP TO PAVING AT DOOR SEE DETAIL 16/A606 & CIVIL DRAWINGS
21. BOLLARD, SEE DETAIL 20/A606
22. IN-GROUND LIGHT, SEE DETAIL 10/A606, & ELECTRICAL CENTER IN STRUCTURAL BAYS, TYP.
23. NOT USED.
24. DRYWALL CONTROL JOINT, TYP. AT EACH GRID LINE ON NORTH AND WEST WALLS.
25. POLE LIGHT-TYP. OF 4-SEE ELECTRICAL.
26. LINE OF INSIDE FACE OF WALL AT F.F. ELEVATION
27. CONCRETE MOW STRIP. SEE DETAIL 16/A606.
28. 4000 PSI CONCRETESURROUNDING ROOF DRAIN PIPING.
29. CONCRETE CURB AND CHANNEL FOR ROOF DRAIN RUN OFF. SEE CIVIL DRAWINGS.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

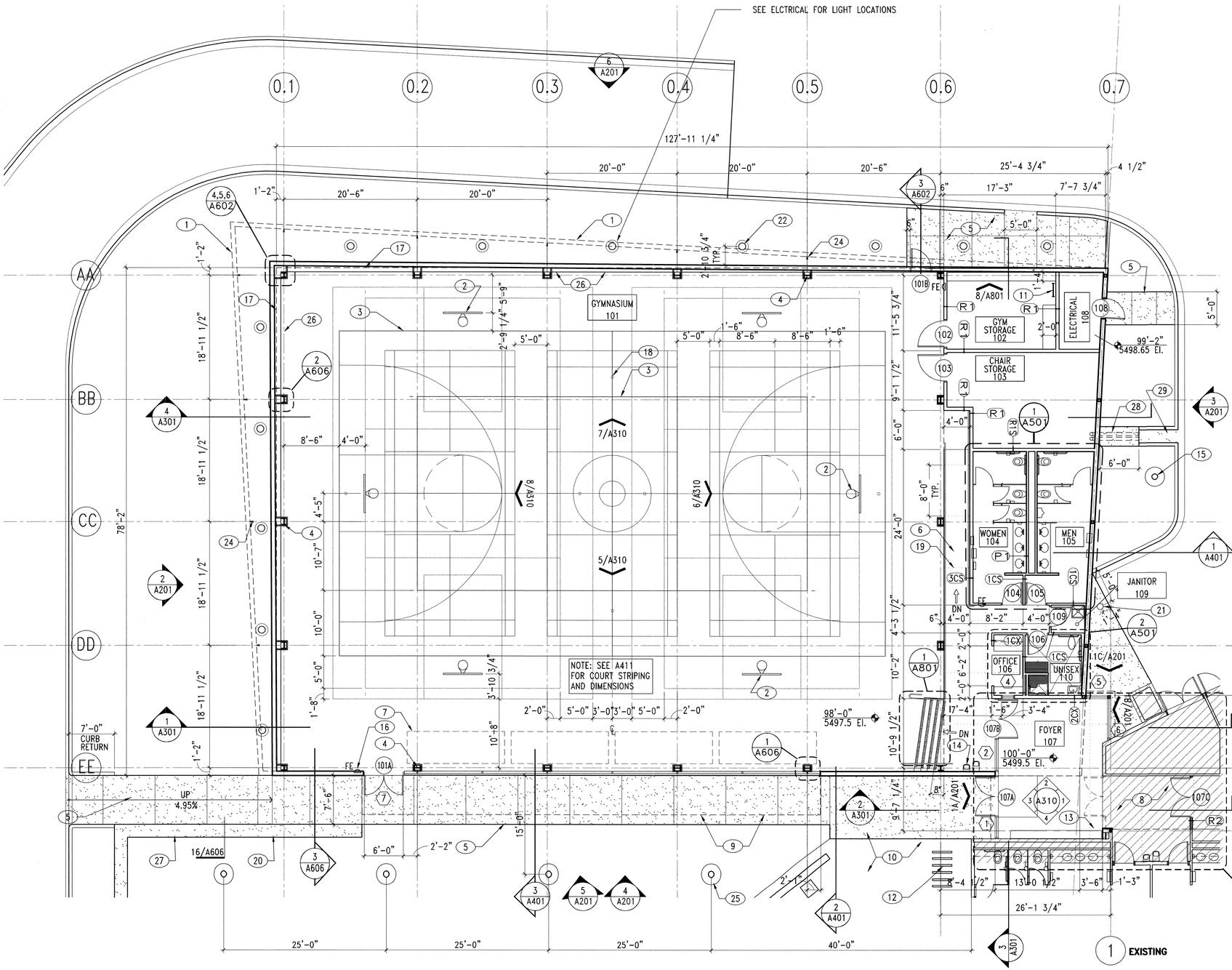
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92 | Zone Map No. L-21-Z | Sheet 19 Of 49 | A101

WED, JUN 20, 2001 08:59 A AG \\SERVER\SHARE\PROJECTS\9709\9709-GYM-ADD\9709_GYM_A101.DWG X-REFS: 9709_GYM_TB.DWG, 9709_GYM_BASE.DWG, 9709_MCC_BASE.DWG



1 GYMNASIUM PLAN
1/8"=1'-0"
NORTH

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. LINE OF WALL AT PARAPET ABOVE
2. BASKETBALL GOAL, TYP.
3. COURT STRIPING, SEE A411 FOR DIMS
4. STEEL COLUMN, TYP.
5. CONCRETE PAVING
6. ACCESSIBLE RAMP
7. TILT & ROLL PORTABLE BLEACHERS BY OTHERS
8. PORTION OF PROJECT DELINEATED IN SEPARATE CONTRACT DOCUMENTS
9. METAL SHADE CANOPY ABOVE
10. SEE SITE PLAN, CIVIL DRAWINGS FOR SCOPE OF EXTERIOR PAVING AND OTHER SITE WORK
11. ROOF LADDER, SEE DETAIL 1/A602
12. EXISTING BIKE LOOPS, SEE SITE PLAN
13. METAL LOCKERS, SEE SPEC'S
14. DRINKING FOUNTAIN
15. EXISTING 12' POLE MOUNTED LIGHT BASE, INSTALL OWNER SUPPLIED LIGHT AND POLE THIS CONTRACT-SEE ELECTRICAL.
16. FIRE EXTINGUISHER TYPICAL, SEE DETAIL 1/A801
17. LINE OF EXTERIOR WALL AT LEVEL OF FLOOR
18. VOLLEYBALL NET SUPPORT FLOOR SLEEVE, TYP.
19. CONTROL JOINT. SEE DETAIL17/A606 AND LAYOUT PLAN 1/A411 FOR DIMENSIONS
20. EXTEND MOW STRIP TO PAVING AT DOOR SEE DETAIL 16/A606 & CIVIL DRAWINGS
21. BOLLARD, SEE DETAIL 20/A606
22. IN-GROUND LIGHT, SEE DETAIL 10/A606, & ELECTRICAL CENTER IN STRUCTURAL BAYS, TYP.
23. NOT USED.
24. DRYWALL CONTROL JOINT, TYP. AT EACH GRID LINE ON NORTH AND WEST WALLS.
25. POLE LIGHT-TYP. OF 4-SEE ELECTRICAL.
26. LINE OF INSIDE FACE OF WALL AT F.F. ELEVATION
27. CONCRETE MOW STRIP. SEE DETAIL 16/A606.
28. 4000 PSI CONCRETESURROUNDING ROOF DRAIN PIPING.
29. CONCRETE CURB AND CHANNEL FOR ROOF DRAIN RUN OFF. SEE CIVIL DRAWINGS.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECT'S STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7-25-02

NO.	DATE	REVISIONS/REMARKS	BY
1	07/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

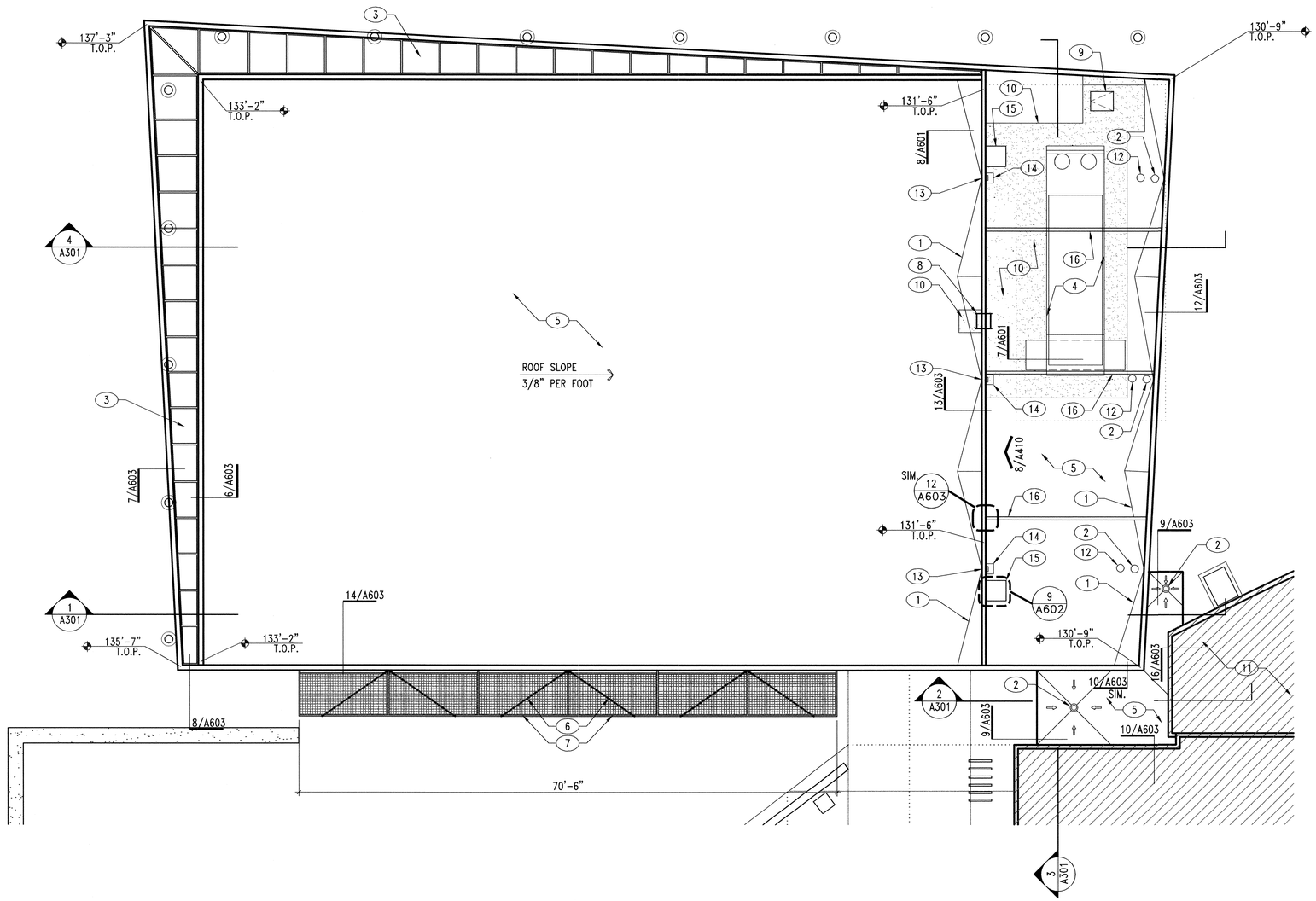
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
FLOOR PLAN

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 19 Of 49
A101

WED, JUN 20, 2001 09:59 A AS \\SERVER\SHARE\PROJECTS\9709\9709-CIVIL_ASSY\9709_CIVIL_A101.DWG X-REFS, 9709_CIVIL_TB.DWG, 9709_CIVIL_BASE.DWG, 9709_ARCH_BASE.DWG



1 ROOF PLAN
NORTH
1/8"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. CRICKET OF TAPERED INSULATION, TYP. SLOPE 3/4" PER FOOT PER MNFR'S RECOMENDATION
2. ROOF DRAIN SEE DETAIL 1/A601
3. SLOPED SKYLIGHT SEE DETAILS 6,7,8/A603 & GLAZING SCHEDULE
4. MECHANICAL EQUIPEMENT SEE MECH. SHEETS
5. SINGLE PLY MEMBRANE ROOF
6. TENTION ROD, SEE DETAIL 1/A603
7. METAL CANOPY BELOW
8. PARAPET LADDER SEE DETAIL 2/A602
9. ROOF HATCH SEE DETAIL 6/A601 & 1/A602
10. WALK MAT
11. EXISTING BUILDING
12. OVERFLOW DRAIN, SEE DETAIL 2/A601
13. THROUGH WALLSCUPPER, SEE DETAIL 10/A601
14. LEADERHEAD AND DOWNSPOUT, SEE DETAIL 11/A601
15. MECHANICAL CHASE, SEE DETAIL 9/A602
16. TUBE STEEL BRACE, SEE STRUCTURAL

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

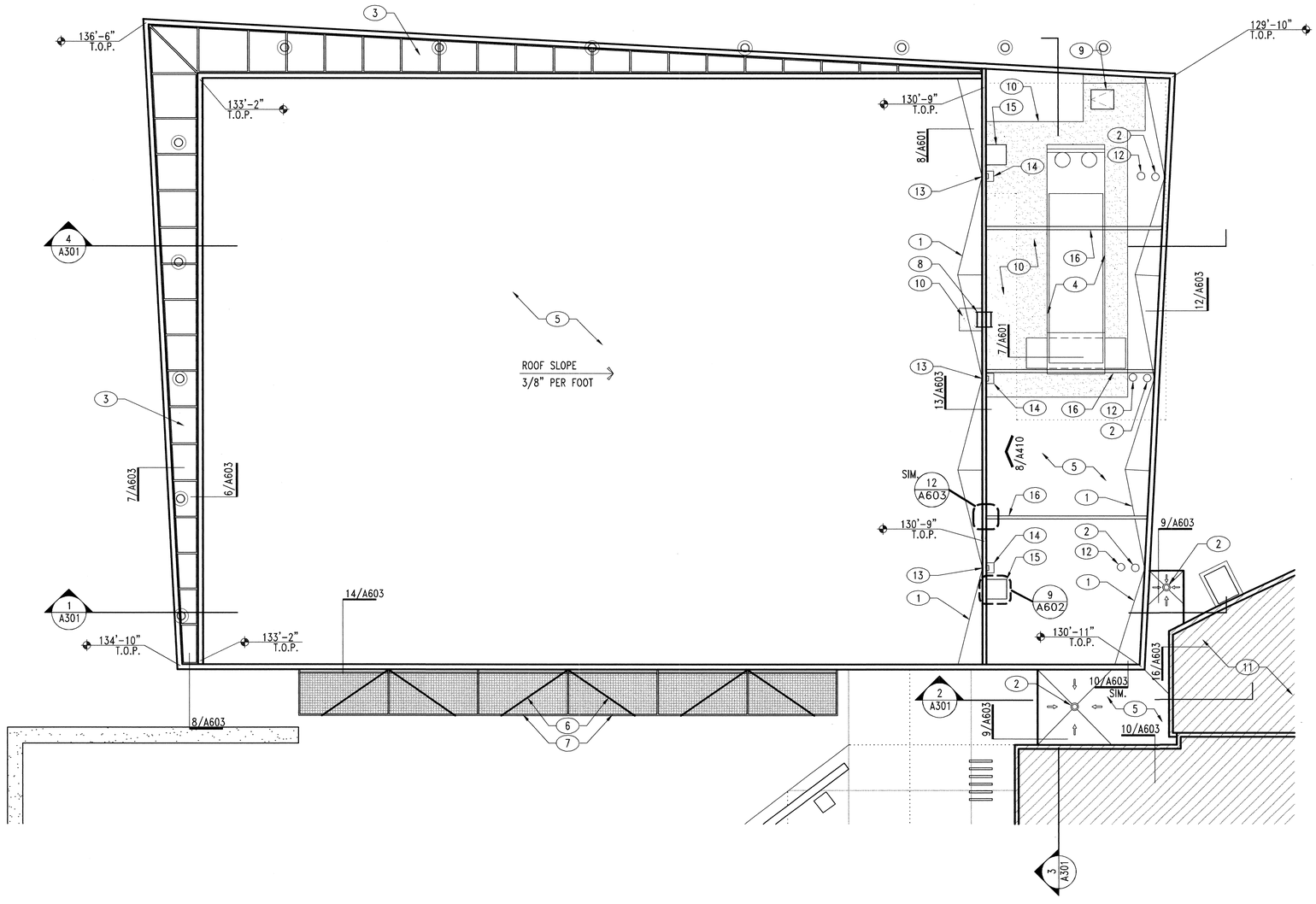
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ROOF PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet 20 Of 49
5751.92	L-21-Z	A110

WED, JUN 20, 2001 09:59 A AG \\SERVER\SHARE\PROJECTS\9709\9709-GYM_ADD\9709_GYM_A101.DWG X-REFS: 9709_GYM_TB.DWG, 9709_GYM_BASE.DWG, 9709_MPOC_BASE.DWG



1 ROOF PLAN

1/8"=1'-0"

NORTH

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. CRICKET OF TAPERED INSULATION, TYP. SLOPE 3/4" PER FOOT PER MNFR'S RECOMENDATION
2. ROOF DRAIN SEE DETAIL 1/A601
3. SLOPED SKYLIGHT SEE DETAILS 6,7,8/A603 & GLAZING SCHEDULE
4. MECHANICAL EQUIPEMENT SEE MECH. SHEETS
5. SINGLE PLY MEMBRANE ROOF
6. TENTION ROD, SEE DETAIL 1/A603
7. METAL CANOPY BELOW
8. PARAPET LADDER SEE DETAIL 2/A602
9. ROOF HATCH SEE DETAIL 6/A601 & 1/A602
10. WALK MAT
11. EXISTING BUILDING
12. OVERFLOW DRAIN, SEE DETAIL 2/A601
13. THROUGH WALLSCUPPER, SEE DETAIL 10/A601
14. LEADERHEAD AND DOWNSPOUT, SEE DETAIL 11/A601
15. MECHANICAL CHASE, SEE DETAIL 9/A602
16. TUBE STEEL BRACE, SEE STRUCTURAL

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY
1	07/23/02	PLAN CHECK AND DRC	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

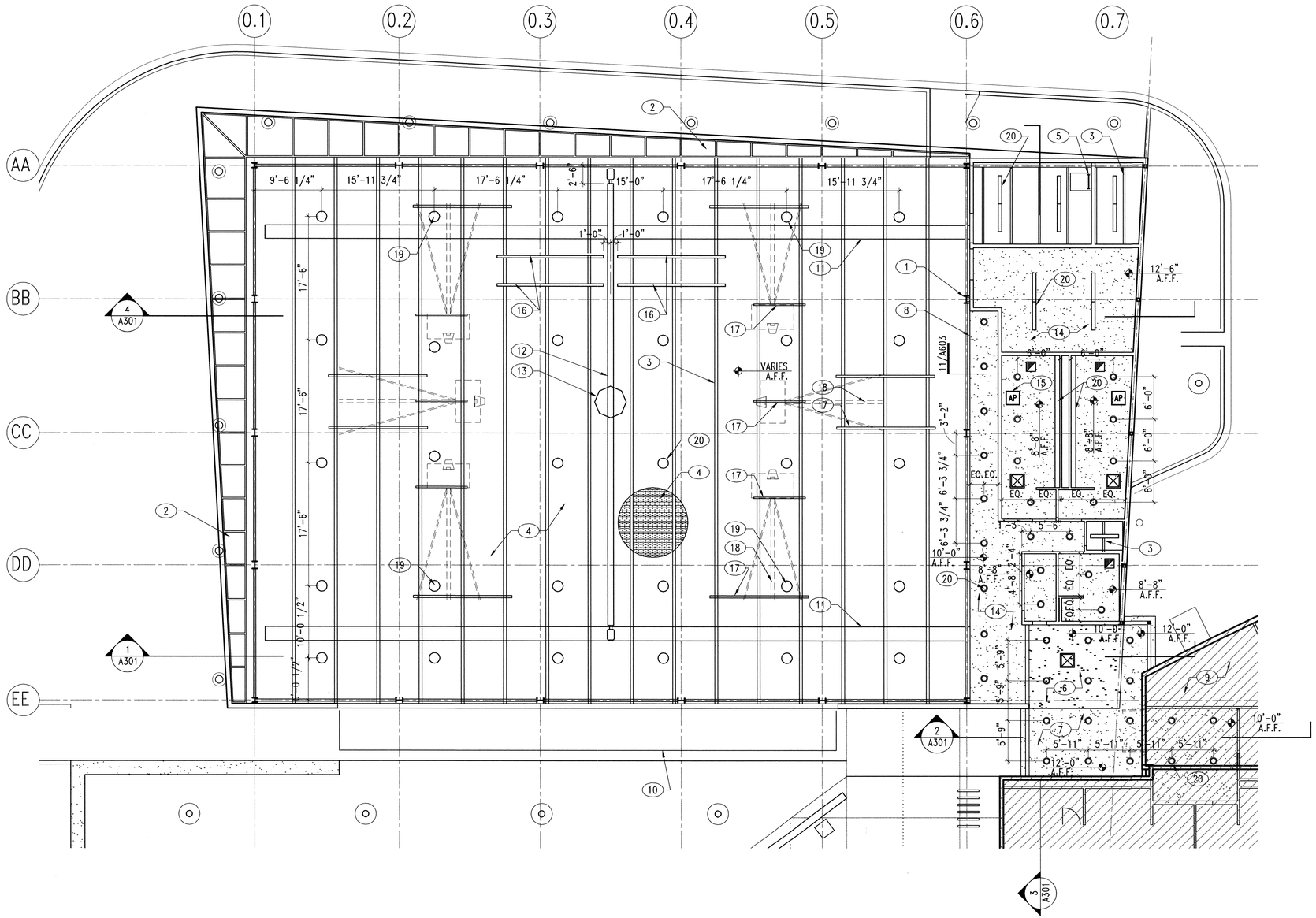
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ROOF PLAN

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 20 Of 49
A110

WED, JUN 20, 2001 09:59 A AG \\SERVER\SHARE\PROJECTS\9709\9709-GYM_ADD\9709_GYM_A101.DWG
X-REFS: 9709_GYM_FB.DWG, 9709_GYM_BASE.DWG, 9709_MOC_BASE.DWG



NORTH

1 REFLECTED CEILING PLAN

1/8"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. COLUMN, SEE STRUCTURAL
2. SLOPED SKYLIGHT
3. ROOF TRUSS
4. ACOUSTIC DECK, SEE STRUCTURAL
5. ROOF LADDER, SEE DETAIL 1/A602
6. STUCCO SOFFIT TO MATCH COLOR AND FINISH OF EXTERIOR STUCCO
7. SMOOTH TROWELED VENEER PLASTER CEILING
8. LINE OF LOWER CEILING
9. EXISTING BUILDING
10. METAL CANOPY
11. HVAC SUPPLY DUCT
12. OPPERABLE GYM. DIVIDER CURTAIN, ALTERNATE #1. SEE SPEC'S.
13. OCTASOUND SPEAKER SYSTEM, SEE ELECTRICAL
14. GYP. BOARD CEILING, TYP.
15. ACCESS DOOR, TYP. PAINT.
16. STAGE LIGHTING, SEE ELECTRICAL
17. GOAL SUPPORTS, TYP. BY GOAL INSTALLER.
18. BASKETBALL GOAL, TYP.
19. ADJUST LIGHT PLACEMENT TO AVOID GOAL SUPPORT
20. LIGHT FIXTURE, SEE ELECTRICAL, TYP.

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964495

MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

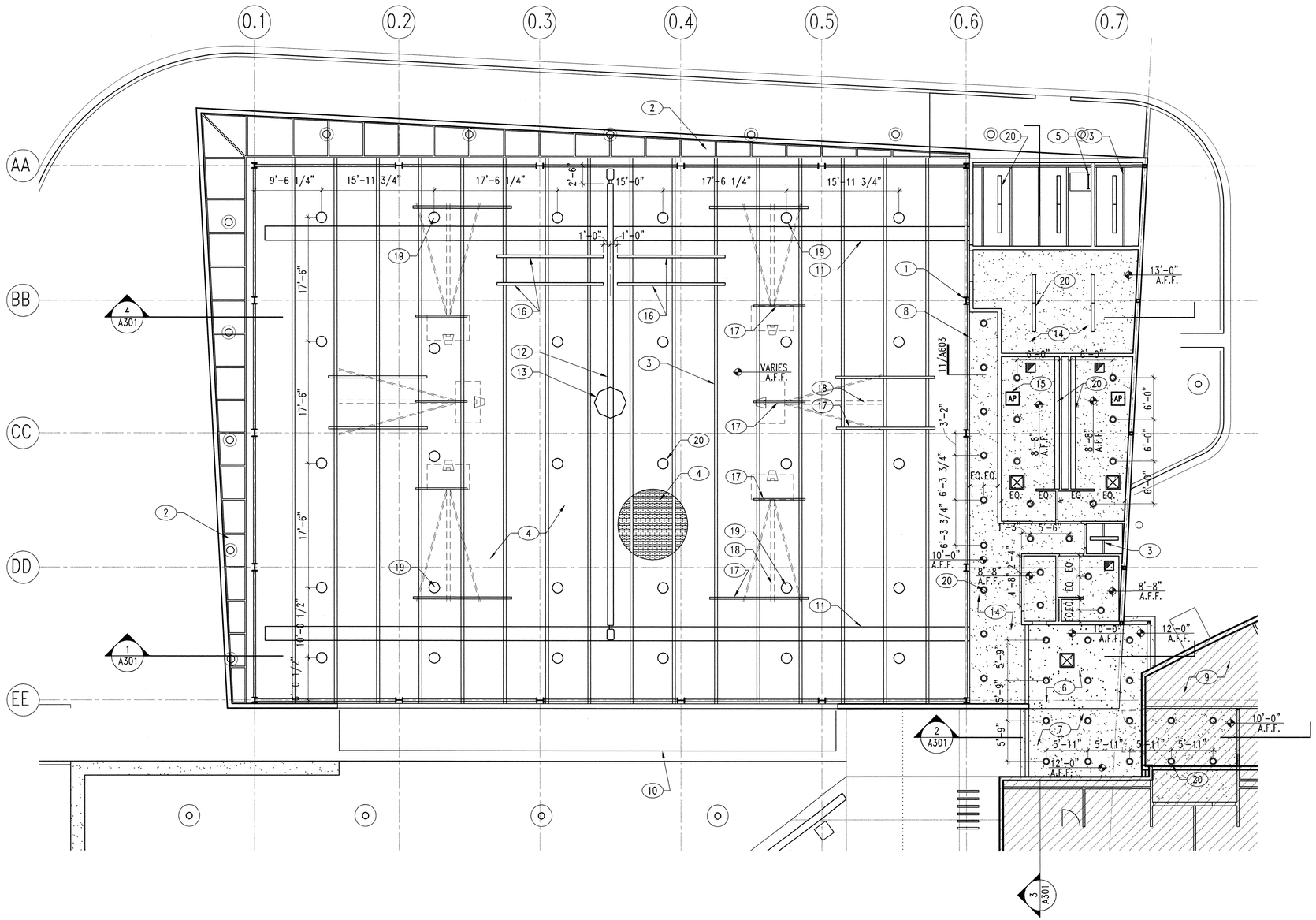
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
REFLECTED CEILING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO/DAY/YR.	MO/DAY/YR.

City Project No. 5751.92 | Zone Map No. L-21-Z | Sheet 21 Of 49 | A120

WED, JUN 20, 2001 09:59 A AG \\SERVER\SHARE\PROJECTS\9709\9709-GYM_ADD\9709_GYM_A101.DWG X-REFS: 9709_GYM_TB.DWG, 9709_GYM_BASE.DWG, 9709_MOD_BASE.DWG



NORTH

1 REFLECTED CEILING PLAN

1/8"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.

B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.

C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.

D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.

E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. COLUMN, SEE STRUCTURAL
2. SLOPED SKYLIGHT
3. ROOF TRUSS
4. ACOUSTIC DECK, SEE STRUCTURAL
5. ROOF LADDER, SEE DETAIL 1/A602
6. STUCCO SOFFIT TO MATCH COLOR AND FINISH OF EXTERIOR STUCCO
7. SMOOTH TROWELED VENEER PLASTER CEILING
8. LINE OF LOWER CEILING
9. EXISTING BUILDING
10. METAL CANOPY
11. HVAC SUPPLY DUCT
12. OPPERABLE GYM. DIVIDER CURTAIN, ALTERNATE #1. SEE SPEC'S.
13. OCTASOUND SPEAKER SYSTEM, SEE ELECTRICAL
14. GYP. BOARD CEILING, TYP.
15. ACCESS DOOR, TYP. PAINT.
16. STAGE LIGHTING, SEE ELECTRICAL
17. GOAL SUPPORTS, TYP. BY GOAL INSTALLER.
18. BASKETBALL GOAL, TYP.
19. ADJUST LIGHT PLACEMENT TO AVOID GOAL SUPPORT
20. LIGHT FIXTURE, SEE ELECTRICAL, TYP.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
7.25.02
REGISTERED ARCHITECT

NO.	DATE	REVISIONS/REMARKS	BY	
1	07/23/02	PLAN CHECK AND DAC REVISIONS		

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

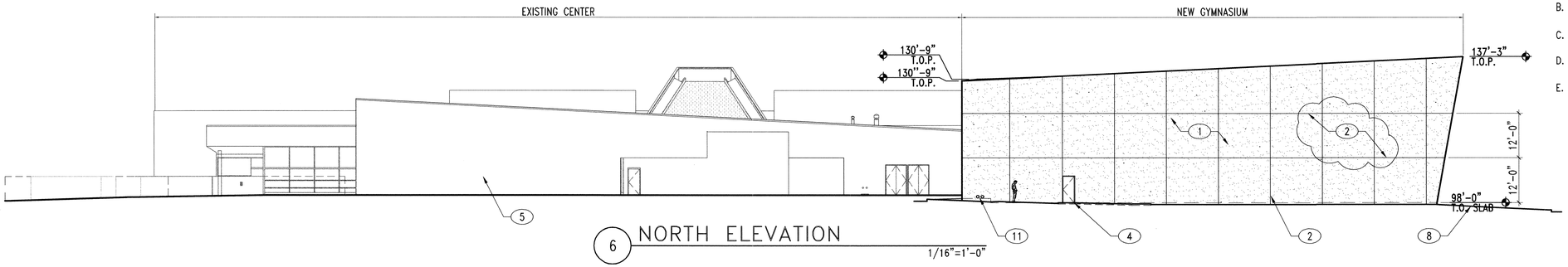
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI-GENERATIONAL CENTER
REFLECTED CEILING PLAN

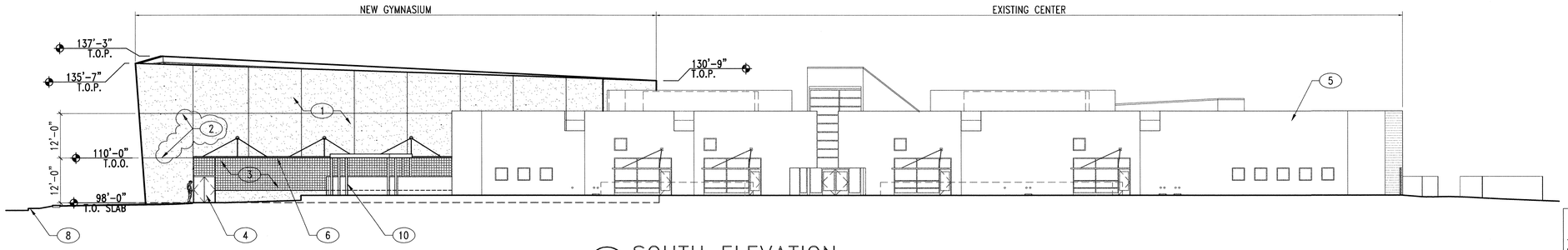
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 21 Of 49 | A120

WED, JUN 20, 2001 09:59 A AG \\SERVER\SHARE\PROJECTS\9709\9709-GYM_AGO\9709_GYM_A101.DWG X-REFS: 9709_GYM_TB.DWG, 9709_GYM_BASE.DWG, 9709_MOC_BASE.DWG



6 NORTH ELEVATION
1/16"=1'-0"



5 SOUTH ELEVATION
1/16"=1'-0"

GENERAL NOTES

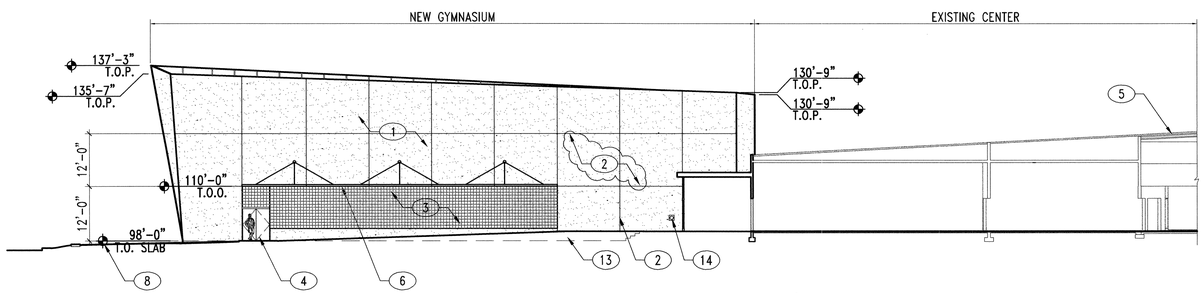
A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

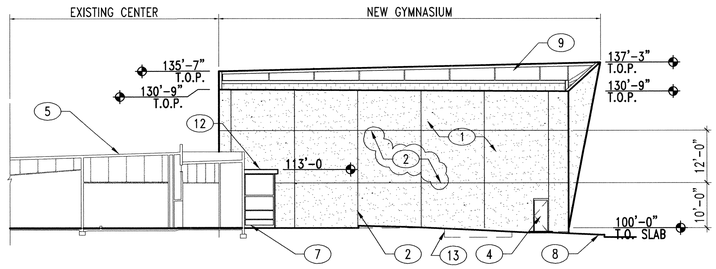
1. INTEGRALLY COLORED STUCCO FINISH, SEE SPEC'S
2. CONTROL JOINT TYP. SEE DETAIL 18/A603
3. 8" GLASS BLOCK TYP. SEE SPEC'S
4. DOOR, SEE DOOR SCHEDULE
5. EXISTING BUILDING
6. METAL CANOPY
7. ALUMINUM STOREFRONT SYSTEM, SEE SPEC'S
8. FINISH GRADE, SEE CIVIL
9. SKYLIGHT, TYP.
10. EXISTING SHADE STRUCTURE TO REMAIN
11. ROOF DRAIN & SPOUT, SEE PLUMBING
12. ALUMINUM FASCIA, SEE SPEC'S
13. WATERPROOF FOOTING W/ BITUMINOUS MEMBRANE, SEE SPEC'S
14. DOOR OPENER, SEE ELECTRICAL

RECORD DRAWING

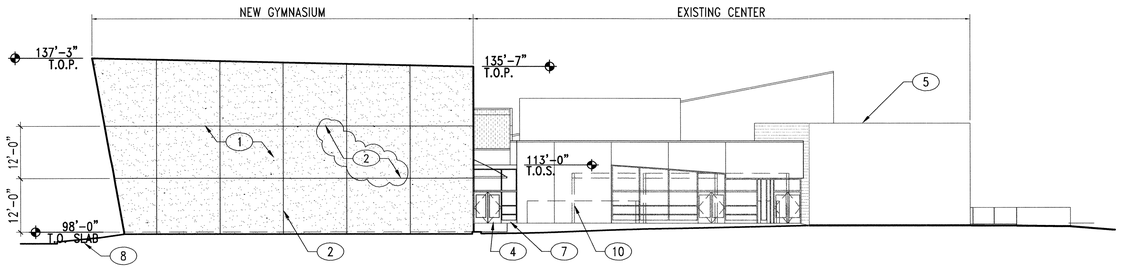
THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THIS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.



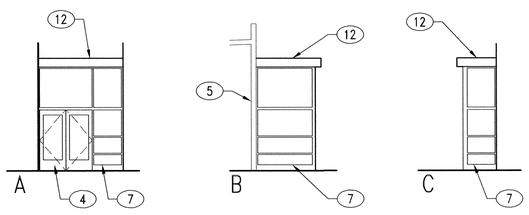
4 SOUTH SECTION / ELEVATION
1/16"=1'-0"



3 EAST SECTION / ELEVATION
1/16"=1'-0"



2 WEST ELEVATION
1/16"=1'-0"



1 FOYER WINDOW ELEVATIONS
1/8"=1'-0"

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

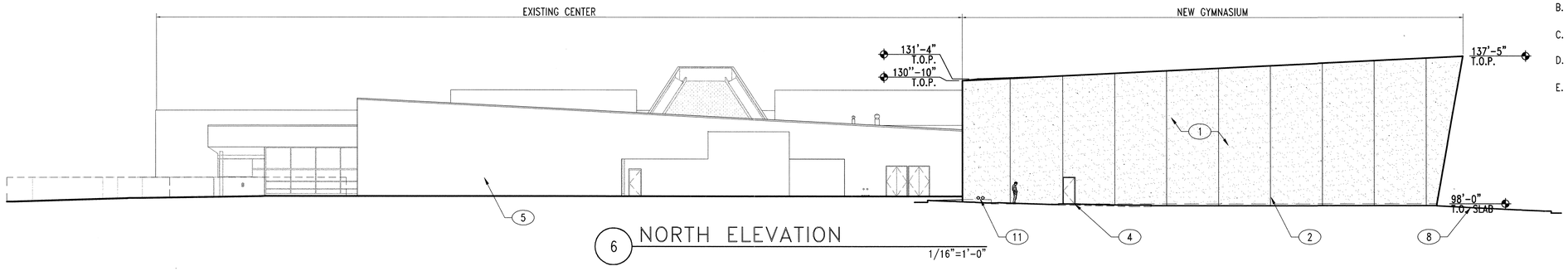
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

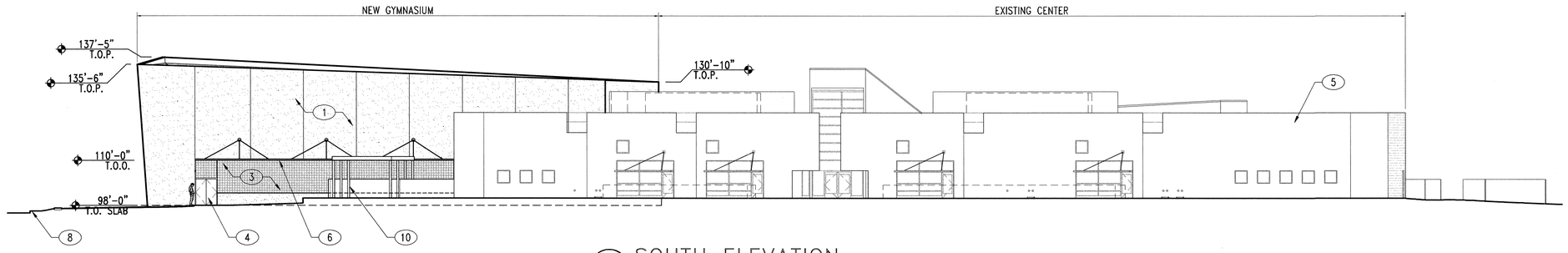
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92
Zone Map No. L-21-Z
Sheet 22 Of 49
A201



6 NORTH ELEVATION
1/16"=1'-0"



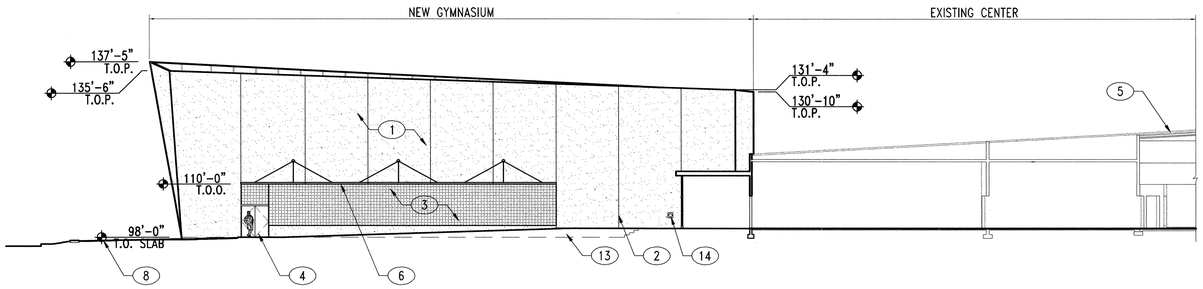
5 SOUTH ELEVATION
1/16"=1'-0"

GENERAL NOTES

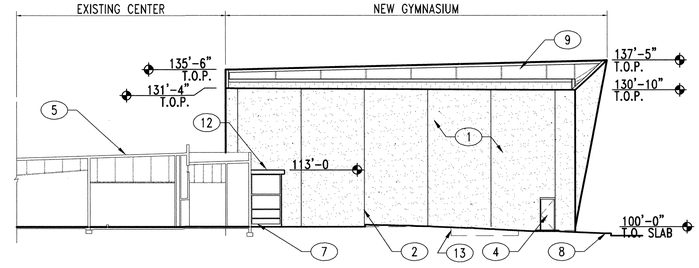
A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

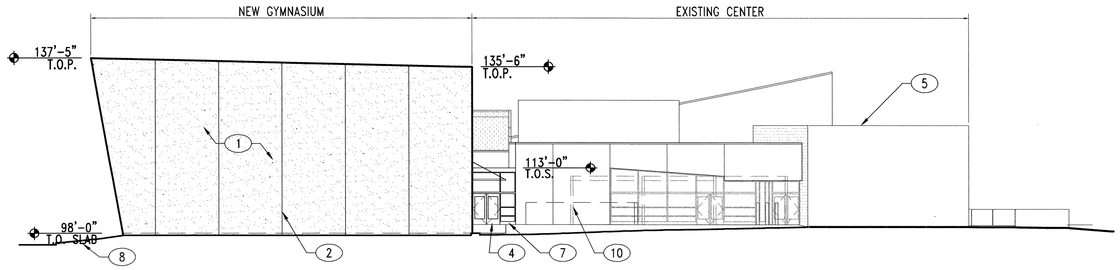
1. INTEGRALLY COLORED STUCCO FINISH, SEE SPEC'S
2. CONTROL JOINT TYP. SEE DETAIL 18/A603
3. 8" GLASS BLOCK TYP. SEE SPEC'S
4. DOOR, SEE DOOR SCHEDULE
5. EXISTING BUILDING
6. METAL CANOPY
7. ALUMINUM STOREFRONT SYSTEM, SEE SPEC'S
8. FINISH GRADE, SEE CIVIL
9. SKYLIGHT, TYP.
10. EXISTING SHADE STRUCTURE TO REMAIN
11. ROOF DRAIN & SPOUT, SEE PLUMBING
12. ALUMINUM FASCIA, SEE SPEC'S
13. WATERPROOF FOOTING W/ BITUMINOUS MEMBRANE, SEE SPEC'S
14. DOOR OPENER, SEE ELECTRICAL



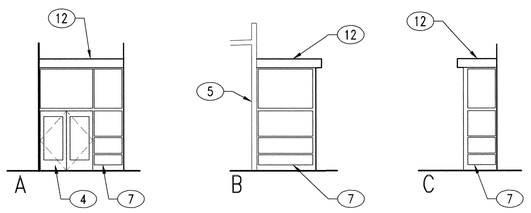
4 SOUTH SECTION / ELEVATION
1/16"=1'-0"



3 EAST SECTION / ELEVATION
1/16"=1'-0"



2 WEST ELEVATION
1/16"=1'-0"



1 FOYER WINDOW ELEVATIONS
1/8"=1'-0"

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "8-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING = 1,481,220.09 RECORDED BY: DATE:
EASTING = 417,975.01 NO.
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 15991
7-25-02
REGISTERED ARCHITECT

NO.	DATE	REVISIONS/REMARKS	BY
1	07/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

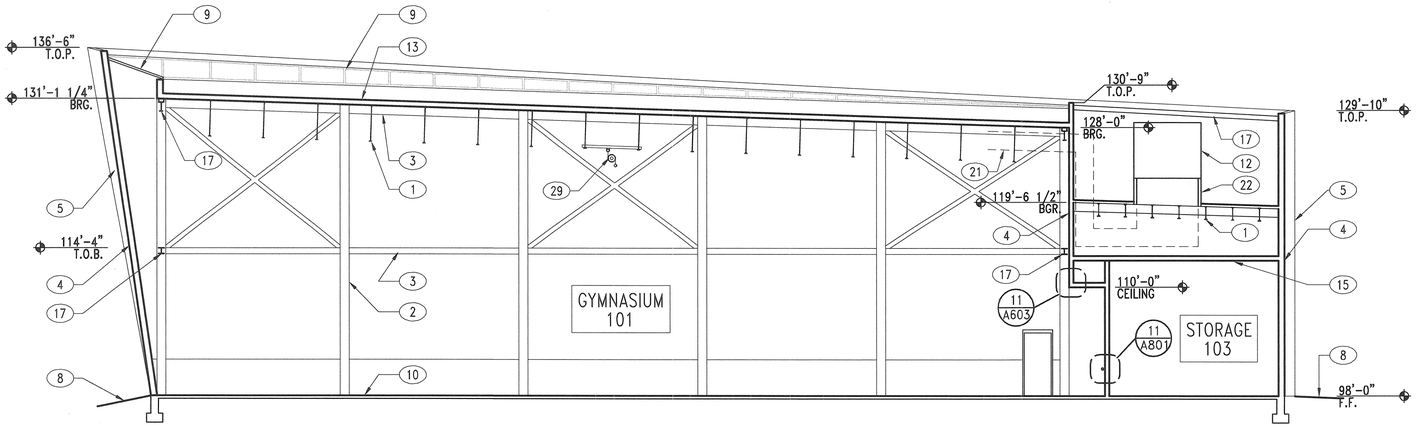
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ELEVATIONS

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

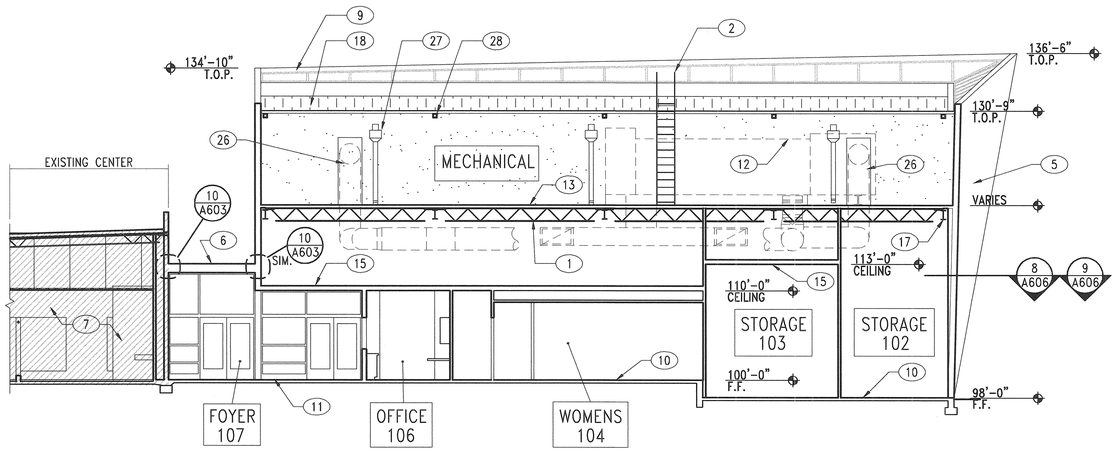
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 22 Of 49
A201



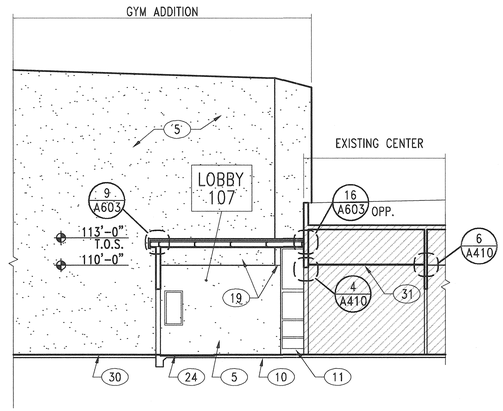
4 GYMNASIUM SECTION

1/8"=1'-0"



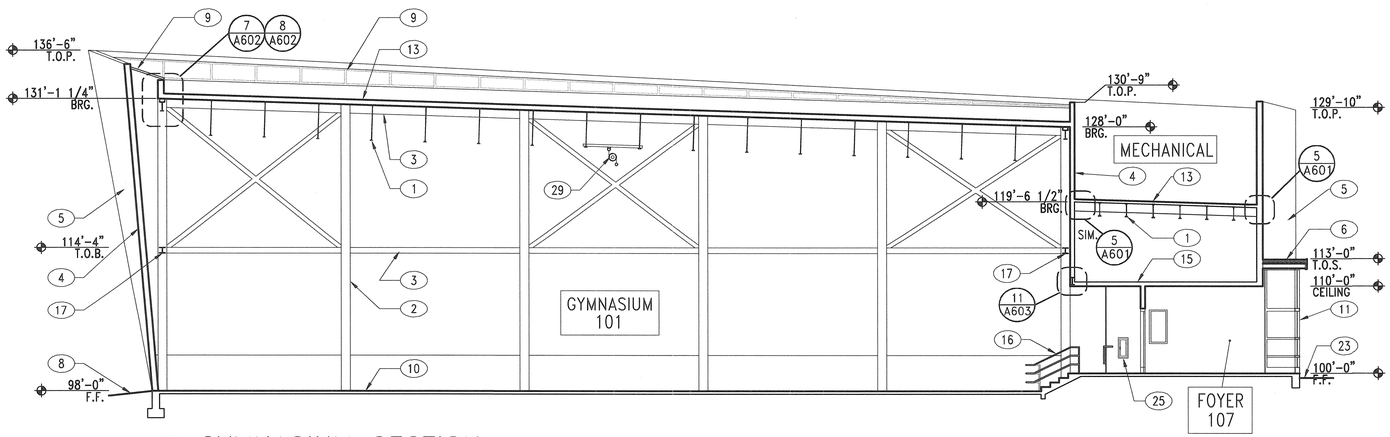
3 GYMNASIUM SECTION

1/8"=1'-0"



2 FOYER SECTION

1/8"=1'-0"



1 GYMNASIUM SECTION

1/8"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. BAR JOIST, SEE STRUCTURAL
2. PARAPET LADDER
3. BEAM BEYOND
4. FRAMED WALL, SEE STRUCTURAL
5. STUCCO WALL, BEYOND
6. VESTIBULE ROOF
7. EXISTING MANZANO CENTER
8. FINISH GRADE
9. SKYLIGHT
10. CONCRETE FLOOR SLAB
11. ALUMINUM STOREFRONT SYSTEM SEE SPEC
12. LINE OF MECHANICAL UNIT
13. METAL DECK, SEE STRUCTURAL
14. NOT USED
15. FRAMED CEILING. 6" X 18 GA. JOISTS - 24" O.C.
16. HANDRAIL, SEE DETAIL 3/A801
17. STEEL BEAM, SEE STRUCTURAL
18. ROOF BEYOND
19. STUCCO FASCIA
20. NOT USED
21. DUCT RUN
22. EQUIPEMENT CURB
23. PAVING
24. ENTRY MAT, SEE DETAILS 7,8,9/A604
25. FIRE EXTINGUISHER, SEE DETAIL 5/A801
26. CHASE, SEE DETAIL 3/A410
27. LEADERHEAD & DOWNSPOUT, TYP. SEE DETAIL 11/A601
28. STEEL BRACE TYP. SEE STRUCTURAL
29. GYM. DIVIDER CURTAIN, ALTERNATE #1. SEE SPEC'S.
30. EXTERIOR CONCRETE SLAB
31. SUSPENDED GYP. BOARD CEILING

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

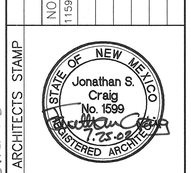
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP



NO.	DATE	REVISIONS/REMARKS	BY
△	07/22/02	PLAN CHECK AND DRC REVISIONS	
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SECTIONS

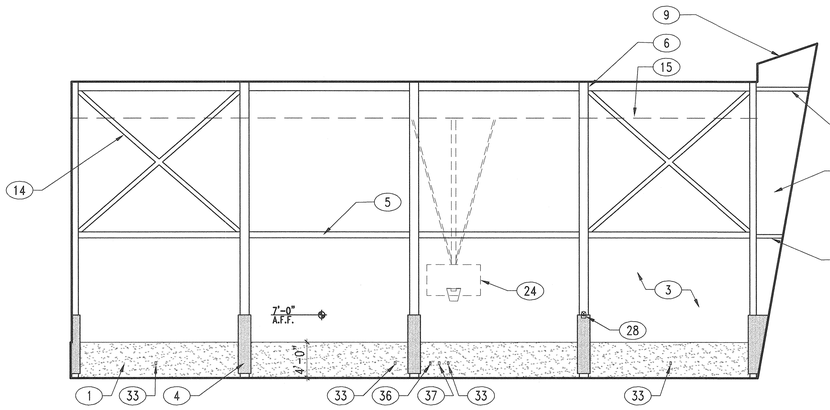
Design Review Committee - City Engineer Approval

Last Design Update	MO./DAY/YR.	MO./DAY/YR.

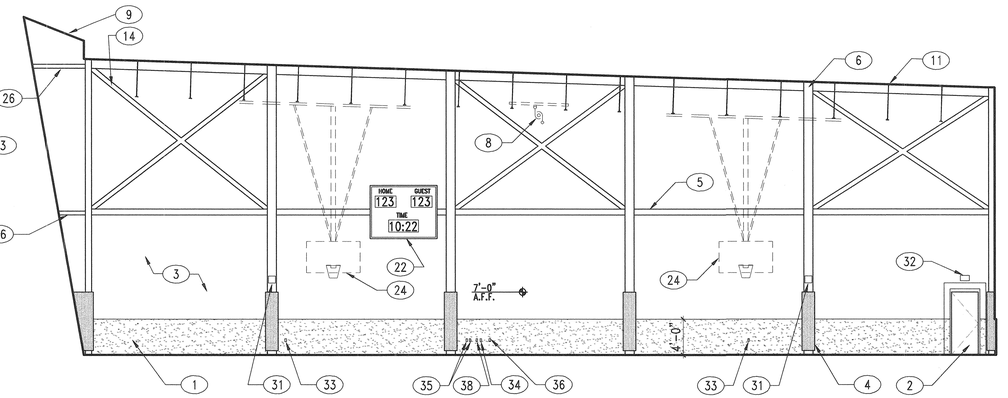
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
APPROVED AUG - 1 2002 CITY

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 23 Of 49
A301

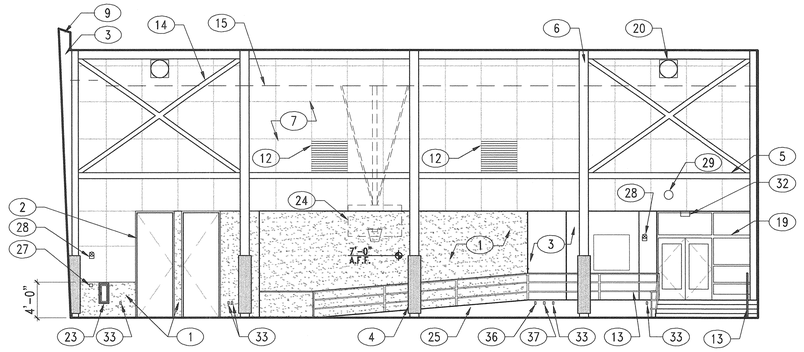
NOTE: USE VERY HIGH IMPACT GYP. BOARD ON ALL WALLS TO 16'-0" ABOVE FINISH FLOOR



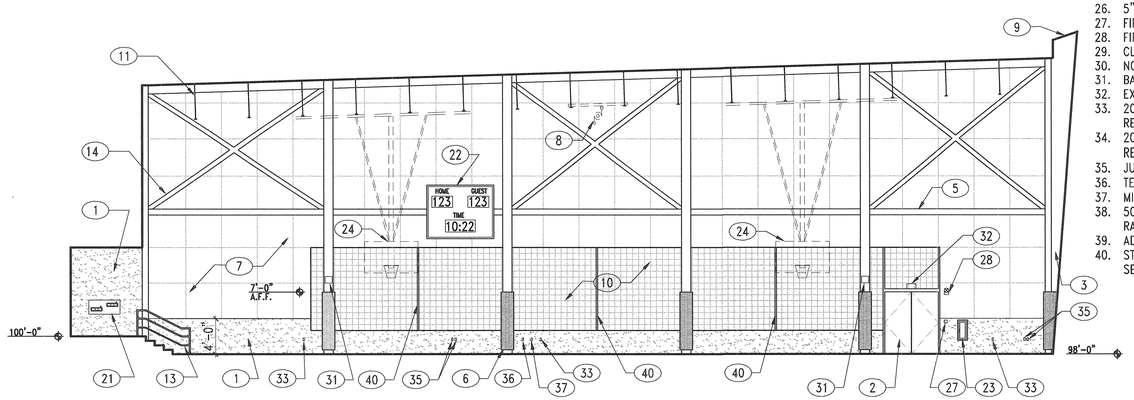
8 ELEVATION
1/8"=1'



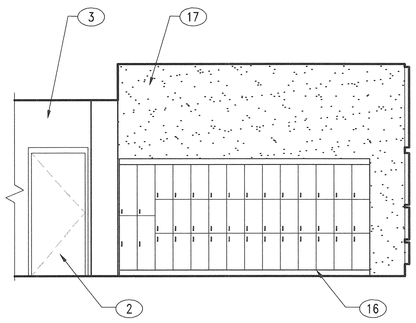
7 ELEVATION
1/8"=1'-0"



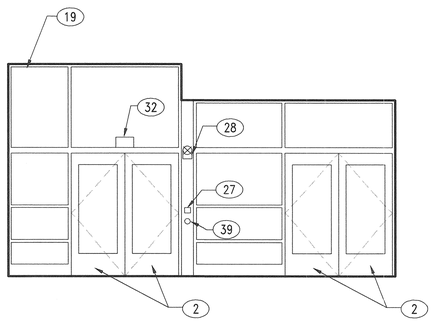
6 ELEVATION
1/8"=1'-0"



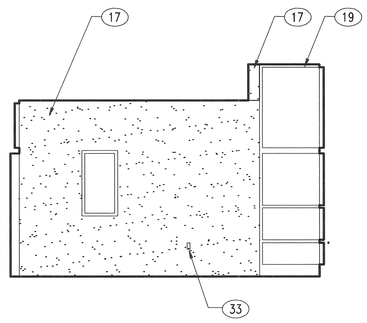
5 ELEVATION
1/8"=1'-0"



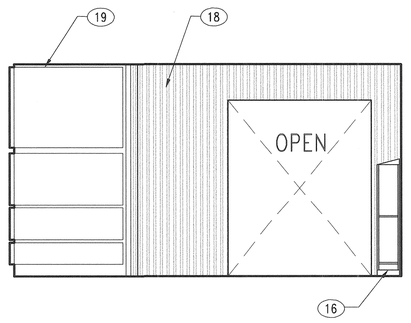
4 SOUTH FOYER ELEVATION
1/4"=1'-0"



3 WEST FOYER ELEVATION
1/4"=1'-0"



2 NORTH FOYER ELEVATION
1/4"=1'-0"



1 EAST FOYER ELEVATION
1/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. WAINSCOT OF STO DECOCOAT OVER VHI FIBEROCK GYPSUM BOARD
2. DOOR, SEE DOOR SCHEDULE
3. PAINTED VHI FIBEROCK GYP. BD. TO 16'-0" A.F.F. PAINTED TYPE X GYP. BD. ABOVE 16'-0" AFF.
4. COLUMN PROTECTORS, SEE SPEC'S
5. STEEL BEAM SEE STRUCTURAL
6. STEEL COLUMN, SEE STRUCTURAL
7. TECTUM PANEL
8. GYM. DIVIDER CURTAIN, ALTERNATE #1. SEE SPEC'S.
9. SKYLIGHT
10. SOLID GLASS BLOCK
11. BAR JOISTS, SEE STRUCTURAL
12. RETURN AIR GRILL, SEE MECHANICAL
13. STEEL RAILING
14. TUBE STEEL DIANGONAL BRACES, SEE STRUCTURAL
15. LINE OF BOTTOM OF ROOF JOIST
16. LOCKERS, SEE SPEC'S
17. 3 COAT CEMENT PLASTER
18. CORRUGATED METAL PANELS, SEE SPEC'S.
19. ALUMINUM GLAZING SYSTEM, SEE OPENING SCHEDULE, AND SPEC'S
20. HVAC SUPPLY, SEE MECH.
21. DRINKING FOUNTAIN, SEE MECHANICAL
22. SCOREBOARD, SEE SPEC'S. SEE 4/A401.
23. FIRE EXTINGUISHER CABINET, SEE SPEC'S.
24. BASKETBALL GOALS, SEE SPEC'S.
25. COLORED CONCRETE, SEE SPEC'S
26. 5" X 5" TUBE STEEL, SEE STRUCTURAL
27. FIRE ALARM MANUAL PULL STATION, TYP.
28. FIRE ALARM AUDIO/VISUAL SIGNAL, TYP.
29. CLOCK, TYP.
30. NOT USED
31. BATTERY PACK EMERGENCY LIGHT, TYP.
32. EXIT LIGHT, TYP.
33. 20 AMP DUPLEX CONVENIENCE RECEPTACLE, TYP.
34. 20 AMP FOURPLEX CONVENIENCE RECEPTACLE, TYP.
35. JUNCTION BOX, TYP.
36. TELEVISION OUTLET, TYP.
37. MICROPHONE WALL OUTLET, TYP.
38. 50 AMP, 250 WATT 3 WIRE RANGE TYPE RECEPTACLE
39. ADA DOOR OPENER
40. STEEL TUBE PANEL STIFFENER, TYPICAL. SEE STRUCTURAL. PAINT.

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

NO.	DATE	REVISIONS/REMARKS	BY
△	07/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

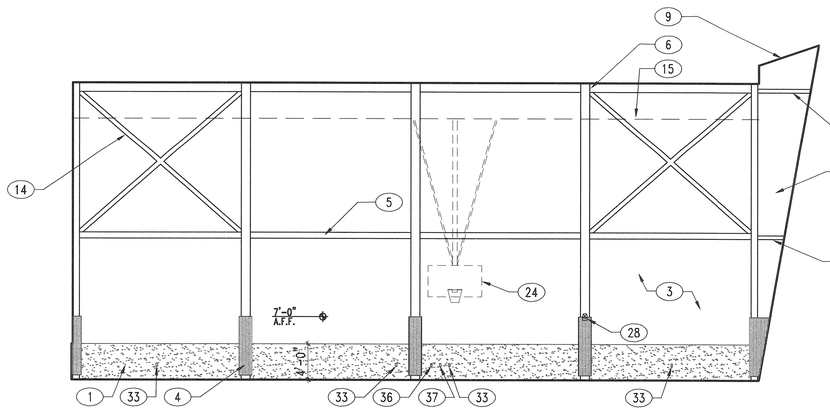
Kells + Craig Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Interior Elevations

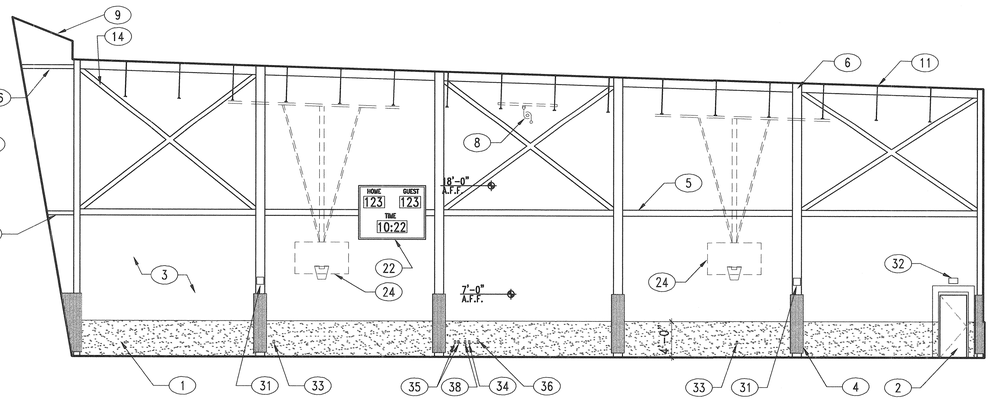
Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 24 Of 49
A310

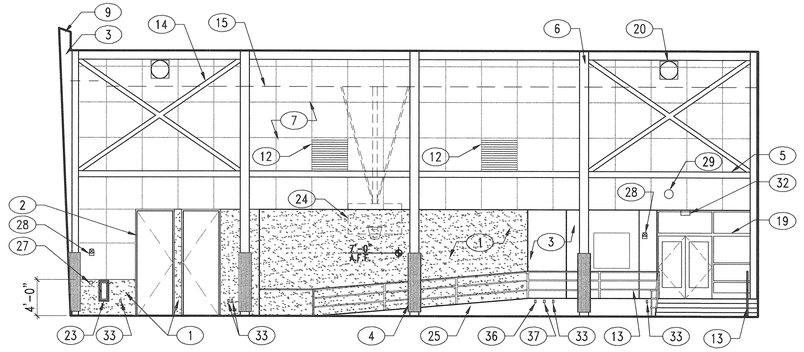


8 ELEVATION
1/8"=1'

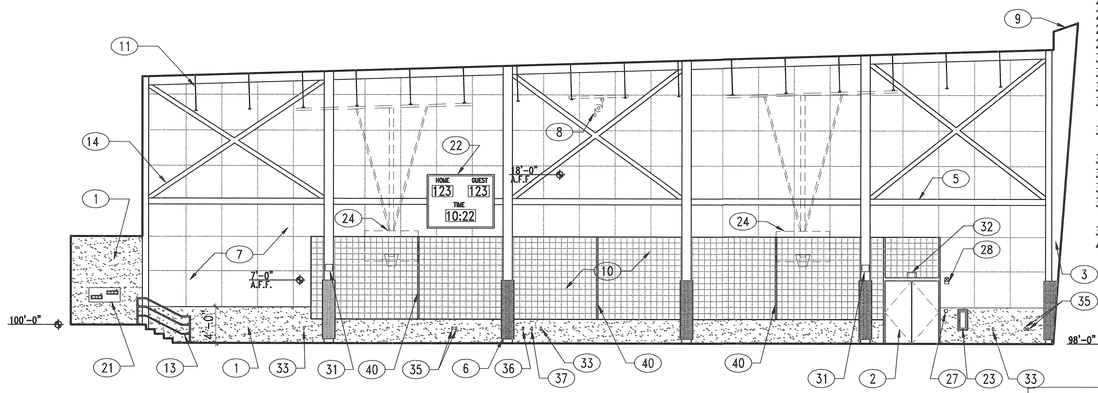
NOTE: USE VERY HIGH IMPACT GYP. BOARD ON ALL WALLS TO 16'-0" ABOVE FINISH FLOOR



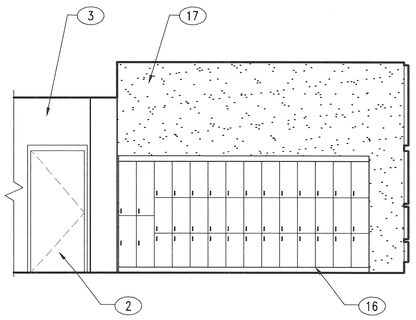
7 ELEVATION
1/8"=1'-0"



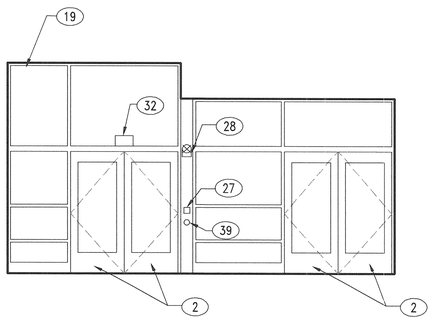
6 ELEVATION
1/8"=1'-0"



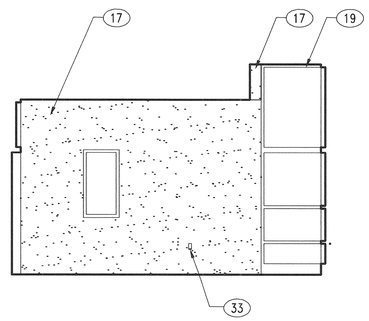
5 ELEVATION
1/8"=1'-0"



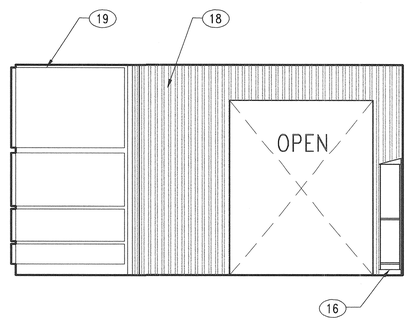
4 SOUTH FOYER ELEVATION
1/4"=1'-0"



3 WEST FOYER ELEVATION
1/4"=1'-0"



2 NORTH FOYER ELEVATION
1/4"=1'-0"



1 EAST FOYER ELEVATION
1/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. WAINSCOT OF STO DECOCOAT OVER VHI FIBEROCK GYPSUM BOARD
2. DOOR, SEE DOOR SCHEDULE
3. PAINTED VHI FIBEROCK GYP. BD. TO 16'-0" A.F.F. PAINTED TYPE X GYP. BD. ABOVE 16'-0" AFF.
4. COLUMN PROTECTORS, SEE SPEC'S
5. STEEL BEAM SEE STRUCTURAL
6. STEEL COLUMN, SEE STRUCTURAL
7. TECTUM PANEL
8. GYM. DIVIDER CURTAIN, ALTERNATE #1. SEE SPEC'S.
9. SKYLIGHT
10. SOLID GLASS BLOCK
11. BAR JOISTS, SEE STRUCTURAL
12. RETURN AIR GRILL, SEE MECHANICAL
13. STEEL RAILING
14. TUBE STEEL DIANGONAL BRACES, SEE STRUCTURAL
15. LINE OF BOTTOM OF ROOF JOIST
16. LOCKERS, SEE SPEC'S
17. 3 COAT CEMENT PLASTER
18. CORRUGATED METAL PANELS, SEE SPEC'S.
19. ALUMINUM GLAZING SYSTEM, SEE OPENING SCHEDULE, AND SPEC'S
20. HVAC SUPPLY, SEE MECH.
21. DRINKING FOUNTAIN, SEE MECHANICAL
22. SCOREBOARD, SEE SPEC'S. SEE 4/A401.
23. FIRE EXTINGUISHER CABINET, SEE SPEC'S.
24. BASKETBALL GOALS, SEE SPEC'S.
25. COLORED CONCRETE, SEE SPEC'S
26. 5" X 5" TUBE STEEL, SEE STRUCTURAL
27. FIRE ALARM MANUAL PULL STATION, TYP.
28. FIRE ALARM AUDIO/VISUAL SIGNAL, TYP.
29. CLOCK, TYP.
30. NOT USED
31. BATTERY PACK EMERGENCY LIGHT, TYP.
32. EXIT LIGHT, TYP.
33. 20 AMP DUPLEX CONVENIENCE RECEPTACLE, TYP.
34. 20 AMP FOURPLEX CONVENIENCE RECEPTACLE, TYP.
35. JUNCTION BOX, TYP.
36. TELEVISION OUTLET, TYP.
37. MICROPHONE WALL OUTLET, TYP.
38. 50 AMP, 250 WATT 3 WIRE RANGE TYPE RECEPTACLE
39. ADA DOOR OPENER
40. STEEL TUBE PANEL STIFFENER, TYPICAL. SEE STRUCTURAL. PAINT.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE
11599 | STEPHEN JAMES TOLER, | 7/22/02
FROM SURVEYING CONTROL, INC.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

REVISIONS/REMARKS
NO. | DATE | BY
DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

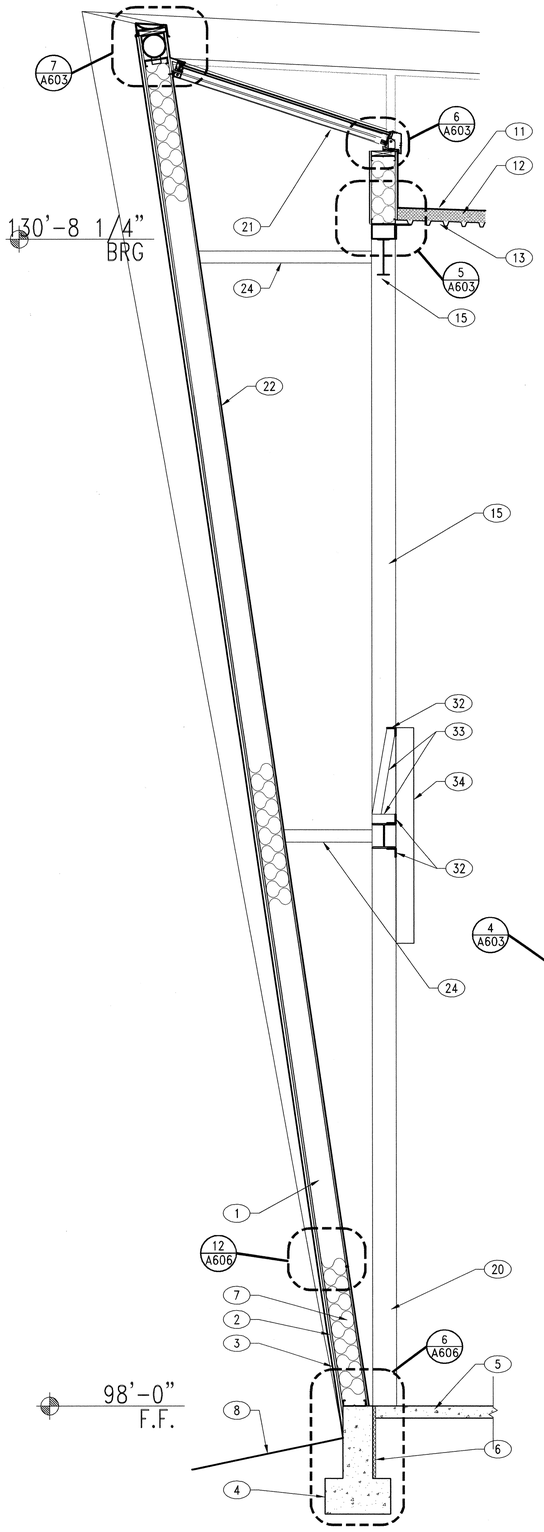
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

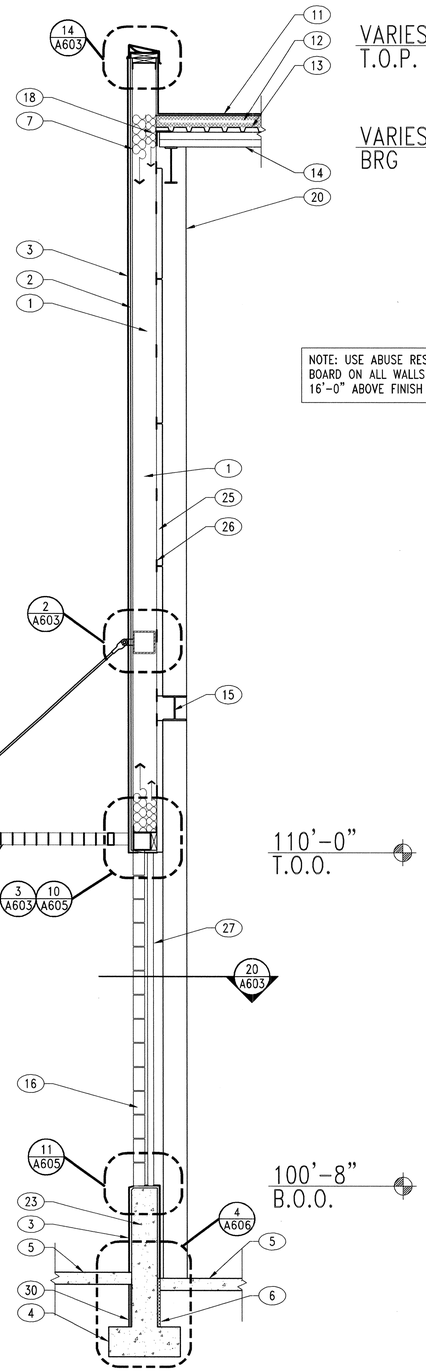
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Interior Elevations

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

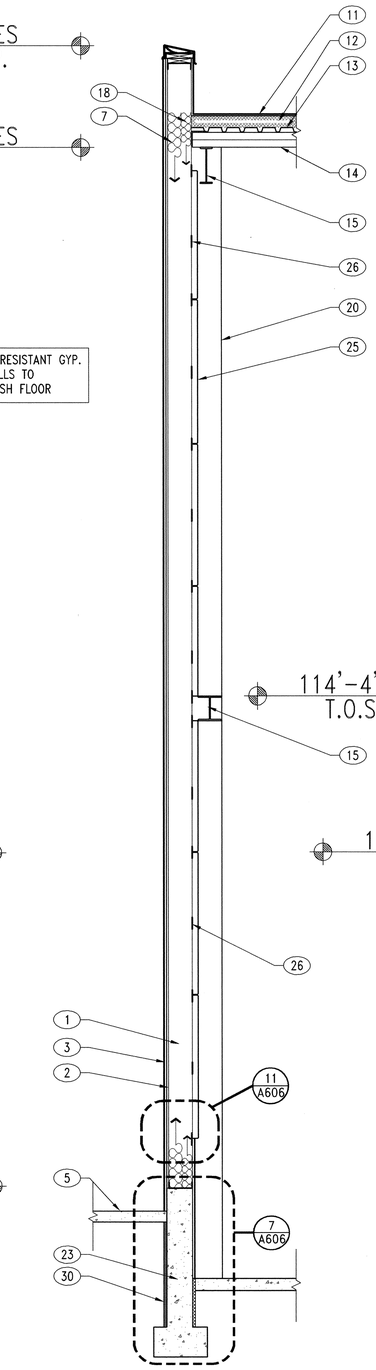
City Project No. 5751.92 | Zone Map No. L-21-Z | Sheet 24 Of 49 | A310



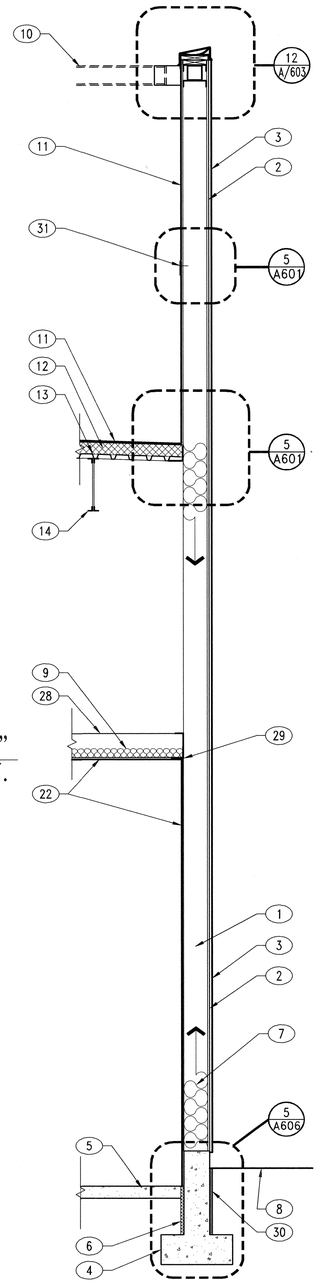
4 WALL-SECTION
1/2"=1' <SECT.MOD.DWG>



3 WALL-SECTION
1/2"=1' <SECT.MOD.DWG>



2 WALL-SECTION
1/2"=1' <SECT.MOD.DWG>



1 WALL-SECTION
1/2"=1' <SECT.MOD.DWG>

NOTE: USE ABUSE RESISTANT GYP. BOARD ON ALL WALLS TO 16'-0" ABOVE FINISH FLOOR

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 8" STEEL STUD, SEE STRUCTURAL
2. 15 LB FELT OVER 5/8" GYP. SHEATHING.
3. 3 COAT CEMENT PLASTER
4. CONCRETE FOOTING, SEE STRUCTURAL
5. 4" CONCRETE SLAB, SEE STRUCTURAL
6. PERIMITER INSULATION, SEE SPEC'S
7. BATT INSULATION, SEE SPEC'S
8. FINISH GRADE
9. SOUND ATTENUATING BATT INSULATION
10. TUBE STEEL BRACE, SEE STRUCTURAL
11. SINGLE PLY ROOFING MEMBRANE. FULLY ADHERED AT VERTICAL APPLICATIONS.
12. 4" POLY ISO INSULATION, SEE SPEC'S
13. METAL DECK, SEE STRUCTURAL
14. STEEL JOIST, SEE STRUCTURAL
15. STRUCTURAL STEEL, SEE STRUCTURAL
16. GLASS BLOCK, SEE SPEC'S
17. ALUMINUM 4"X4"X1/4" GRATE, SEE SPEC'S
18. NON FACED BATT INSULATION @ TECTUM PANELS, SEE SPEC'S
19. STEEL SUPPORT ROD, SEE DETAIL 1/A603
20. COLUMN BEYOND
21. SKYLIGHT SYSTEM, SEE DETAIL'S 6,7,8/A603
22. 5/8" TYPE "X" GYP. BD.
23. CONCRETE STEMWALL, SEE STRUCTURAL
24. STEEL FRAME, SEE STRUCTURAL
25. 2" TECTUM PANEL, SEE SPEC'S.
26. 4" X 16 GA GALVANIZED METAL STRAP INSTALLED HORIZONTALLY @ 24" O.C. TO ATTACH TECTUM PANELS, TYP.
27. 2" x 4" STEEL TUBE. SEE STRUCTURAL. PAINT.
28. CEILING JOIST. 6" X 18 GA. - 24" O.C.
29. 3" X 3" X 3/8" SUPPORT ANGLE. CONTINUOUS.
30. WATERPROOFING. SEE SPEC'S.
31. INTERMEDIATE HIGH WALL FLASHING MID POINT OF ALL VERTICAL ROOFING MEMBRANE.
32. CONTINUOUS ANGLE 3" X 3" X 3/8". BOLT TO SCOREBOARD 6" O.C.
33. ANGLE BRACE. 3 BRACES PER SCOREBOARD. FABRICATED FROM 3" X 3" X 3/8" ANGLES. WELD TO BEAM AND SCOREBOARD ANGLES.
34. SCOREBOARD, TYPICAL. VERIFY EXACT LOCATION WITH ARCHITECT.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

NO.	DATE	REVISIONS/REMARKS	BY
1	07/23/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

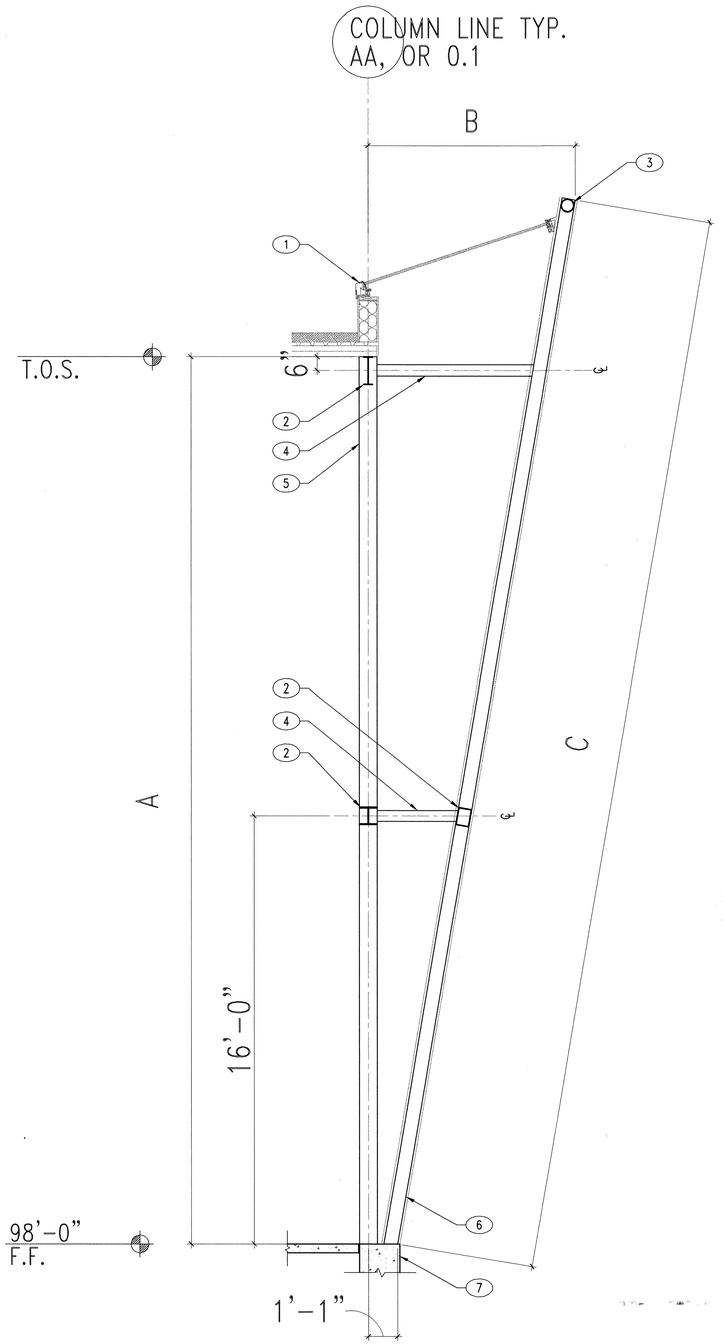
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Wall Sections

Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO/DAY/YR MO/DAY/YR

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 25 Of 49
A401

FRAME SCHEDULE

COLUMN LINE	A	B	C	NOTES
0.1	33'-1 1/4"	7'-9 7/8"	39'-6"	–
0.2	32'-5 5/8"	6'-9"	38'-4 3/8"	–
0.3	31'-10 1/4"	5'-8 3/8"	37'-3 3/8"	–
0.4	31'-2 3/4"	4'-7 3/4"	36'-2 1/2"	–
0.5	30'-7 3/8"	3'-7 1/8"	35'-2"	–
0.6	29'-11 3/4"	2'-6 1/4"	34'-1 5/8"	–
AA	33'-1 1/8"	7'- 9 7/8"	40'-2 5/8"	–
BB	33'-1 1/8"	6'-10 1/4"	39'-7 3/4"	–
CC	33'-1 1/8"	5'-10 1/2"	39'-1 1/4"	–
DD	33'-1 1/8"	4'-10 7/8"	38'-7"	–
EE	33'-1 1/8"	3'-11 1/4"	38'-1"	–



1 TYPICAL-FRAME-ELEVATION
3/8"=1' <SECT.MOD.DWG>

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. LOCATION OF PARAPET AND SKYLIGHT GLASING
2. STEEL BEAM, SEE STRUCTURAL
3. 6" STEEL PIPE, SEE STRUCTURAL
4. 5" X 5" STEEL TUBE, SEE STRUCTURAL
5. STEEL COLUMN, SEE STRUCTURAL
6. 6" X 6" STEEL TUBE, SEE STRUCTURAL
7. CONCRETE FOOTING, SEE STRUCTURAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

NO.	DATE	REVISIONS/REMARKS	BY
1	7/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

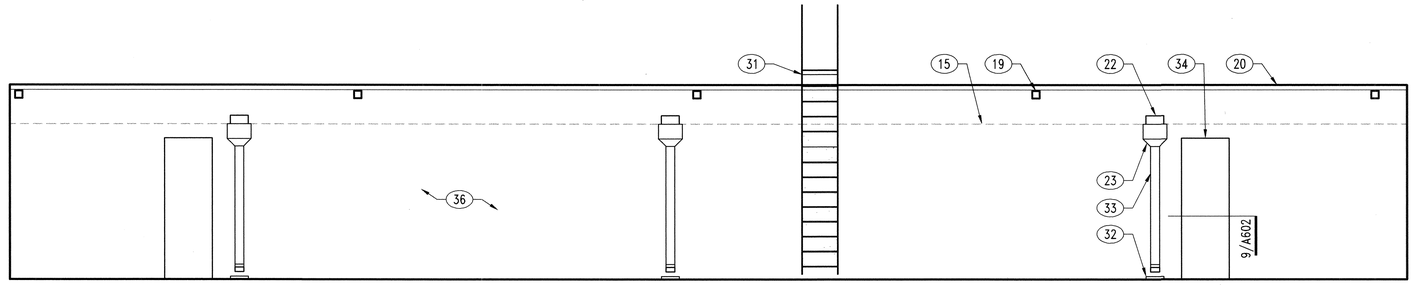
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

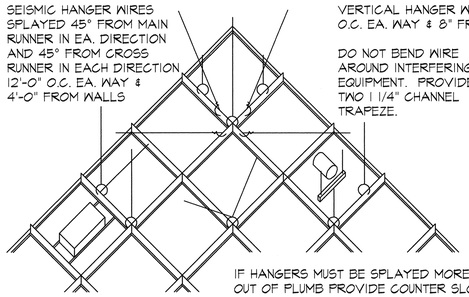
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Frame Schedule

Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 26 Of 49
A402

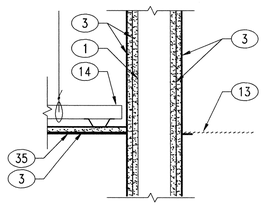


8 MECH. EAST ELEVATION
1/4"=1'-0"

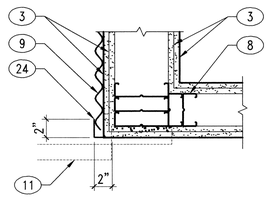


1. HANGER WIRES MUST BE NO. 12 GA. MIN. SOFT-ANNEALED, MILD STEEL WIRE. WIRES SHALL BE WRAPPED TIGHTLY AT RUNNERS AND SUPPORTS AND TIED WITH A MIN. OF 3 TURNS.
2. CLIPS SHALL HOLD RUNNERS TIGHTLY TOGETHER. SPLICE CLIPS SHALL BE CAPABLE OF RESISTING AT LEAST 60 LBS. IN TENSION OR COMPRESSION.
3. FOR MANUFACTURED SYSTEMS, SUBMIT SUBSTANTIATION IN ACCORDANCE WITH U.B.C. STANDARD 25-2
4. RUNNERS SHALL BE CAPABLE OF SUPPORTING CEILING SYSTEM WITH DEFLECTIONS LESS THAN 0.133 INCH.
5. LOCAL KINKS AND BENDS SHALL NOT BE MADE IN HANGER WIRES FOR LEVELING.

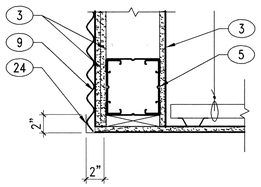
7 TYPICAL SUSPENDED CEILING DETAIL



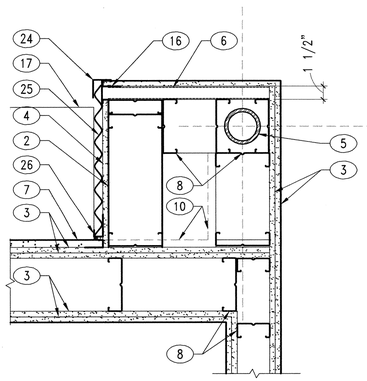
6 CEILING @ 2 HR WALL
1-1/2" = 1'-0"



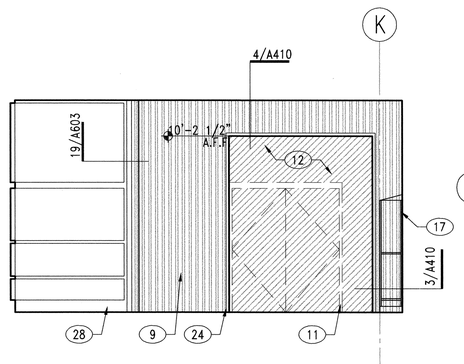
5 PLAN DETAIL
1 1/2"=1'-0"



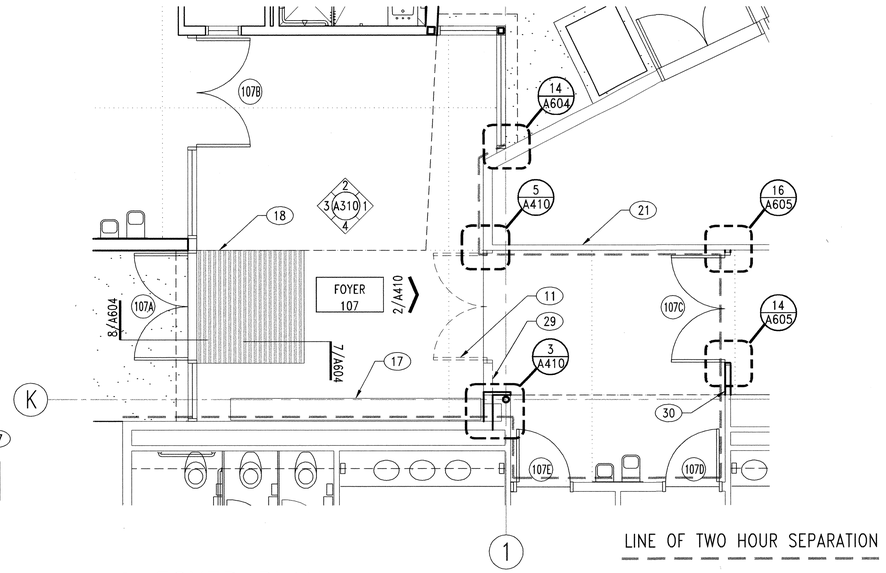
4 SECTION DETAIL
1 1/2"=1'-0"



3 PLAN DETAIL
1 1/2"=1'-0"



2 ELEVATION
3/4"=1'-0"



1 FOYER PLAN
1/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 3 5/8" STEEL STUD
2. 6" STEEL STUD
3. 5/8" TYPE X GYP. BD.
4. 5/8" GYP. SHEATHING
5. STRUCTURAL STEEL, SEE STRUCTURAL
6. 1 1/2" FURRING CHANNEL
7. EXISTING 3 COAT STUCCO
8. EXISTING FRAMING
9. EXISTING 7/8" CORRUGATED METAL SIDING
10. DEMO EXISTING STUCCO IN THIS AREA
11. DEMO EXISTING DOORS AND FRAME
12. DEMO EXISTING WALL IN THIS AREA
13. EXPANDED METAL CEILING TILES
14. SUSPENDED CEILING CHANELS
15. LINE OF ROOF DECK BEYOND PARAPET
16. CONTINUOUS METAL EDGE BEAD
17. METAL LOCKERS, SEE SPEC'S.
18. ENTRANCE MUD MAT, SEE SPEC'S
19. TUBE STEEL BRACING, SEE STRUCTURAL
20. PARAPET CAP, SEE DETAIL 13/A603
21. EXISTING WALL
22. THROUGH WALL SCUPPER, SEE DETAIL 10/A601
23. GSM LEADERHEAD
24. 2" X 2" X 3/32" STEEL ANGLE
25. 7/8" CORRUGATED METAL SIDING, GALVALUME FINISH
26. 1"X1" GALV. METAL FLASHING, W/SEALANT & BACKER ROD
27. PAINT HORIZONTAL SURFACE OF GYP. BOARD TO MATCH EXPANDED METAL CEILING TILE B.M. COLOR 1589
28. 4 1/2" X 2" ALUMINUM STOREFRONT SYSTEM SEE SPEC'S
29. DEMO WALL SEE 2/A410 AND 3/A410
30. NEW 3 5/8" STEEL STUD WALL
31. PARAPET LADDER, SEE DETAIL 2/A602
32. SPLASH BLOCK, SEE SPEC'S.
33. GSM DOWNSPOUT, SEE SPEC'S.
34. MECHANICAL CHASE
35. VENEER PLASTER, SEE SPEC'S
36. SINGLE PLY MEMBRANE, SEE SPEC'S

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
RECORDED BY: DATE:
NO.
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11598	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
1	7/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

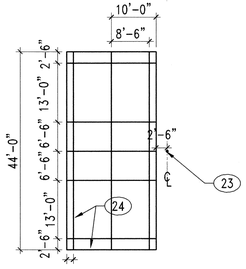
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

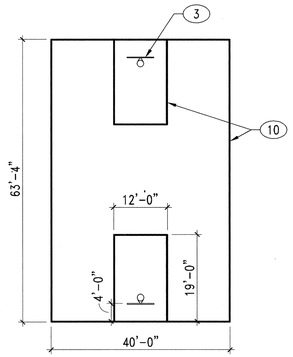
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Foyer plans & elevations

Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 27 Of 49
A410

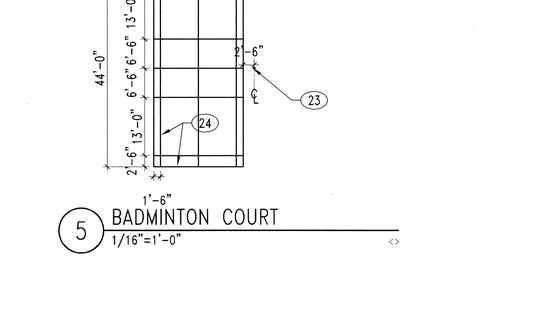


5 BADMINTON COURT
1/16"=1'-0"

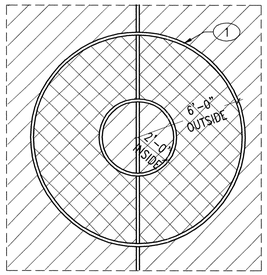


5 BASKETBALL CROSS COURT
1/16"=1'-0"

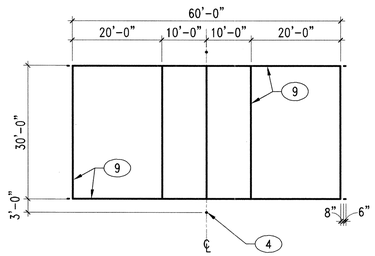
NOTE: ALL LINES ARE 2" WIDE. DIMENSIONS GIVEN TO OUSIDE OF LINE UNLESS OTHERWISE SPECIFIED.



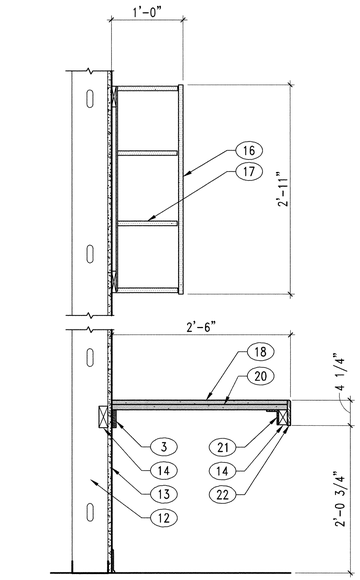
3 BASKETBALL FULL COURT
1/16"=1'-0"



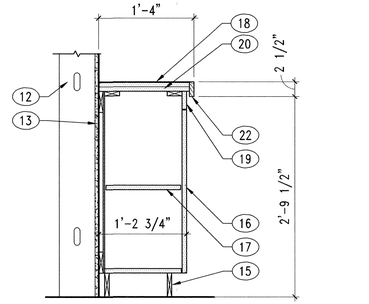
4 CENTER CIRCLE LOGO
1/4"=1'-0"



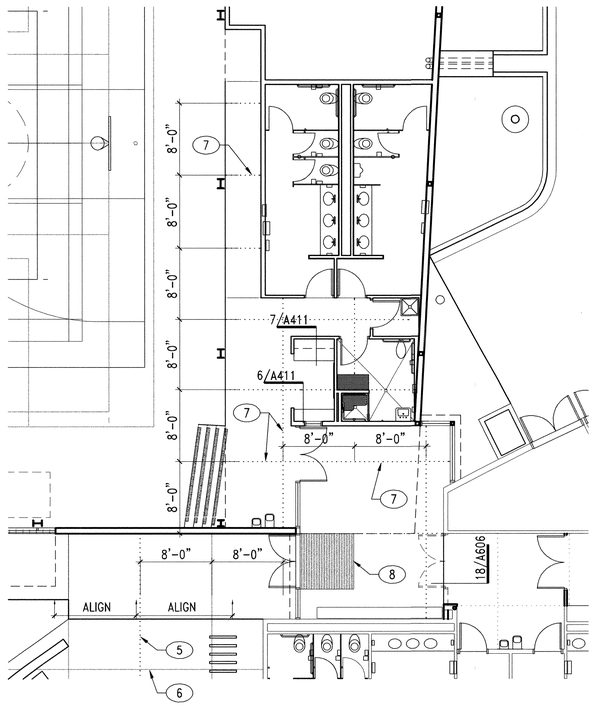
2 VOLLEYBALL COURT
1/16"=1'-0"



7 CASEWORK
1"=1'-0"



6 CASEWORK
1"=1'-0"



1 FOYER PLAN
1/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. FULL COURT PAINTED BASKETBALL STRIPING 2" WIDE, SEE COLOR SCHEDULE AND SPEC'S.
2. SEE 4/A411 FOR CENTER CIRCLE DIMENSIONS AND LOGO
3. BASKETBALL GOAL AND BACKBOARD TYP., SEE SPEC'S.
4. VOLLEYBALL NET FLOOR INSERT TYP, SEE SPEC'S.
5. EXISTING CONTROL JOINT
6. EXISTING EXPANTION JOINT
7. CONTROL JOINT TYP. SEE DETAIL 17/A606
8. ENTRANCE MUD MAT RECESS, SEE SPEC'S.
9. PAINTED VOLLEYBALL COURT STRIPING 2" WIDE, FOR FULL & CROSS COURT COLORS, SEE COLOR SCHEDULE AND SPEC'S.
10. PAINTED CROSS COURT BASKETBALL STRIPING 2" WIDE, SEE COLOR SCHEDULE AND SPEC'S.
11. DASHED PAINTED LINE, SEE SPEC'S.
12. STEEL STUD
13. 5/8" TYPE X GYP. BD.
14. SOLID BLOCKING, SEE SPEC'S
15. 4" BASE OF KILN DRIED WOOD, TYP
16. P-LAM CABINET DOOR, SEE SPEC'S
17. P-LAM SHELF, SEE SPEC'S
18. P-LAM COUNTER ON 3/4" MDF, SEE SPEC'S
19. P-LAM FACE PLATE
20. 3/4" PLYWOOD SUBSTRATE
21. 2 1/2" X 2" X 3/16" STEEL ANGLE
22. SOLID HARDWOOD NOSING
23. BADMINTON NET FLOOR INSERT, TYP, SEE SPEC'S.
24. PAINTED BADMINTON COURT STRIPING 1" WIDE, SEE COLOR SCHEDULE AND SPEC'S

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

FULL BASKETBALL COURT COLOR, SEE SPEC'S.

CONTRAST COLOR, SEE SPEC'S.

GYM. FIELD COLOR, SEE SPEC'S.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

NO.	DATE	REVISIONS/REMARKS	BY
4	07/22/02	PLAN CHECK AND DRC REVISIONS	ARCHITECTS STAMP

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
12502
REGISTERED ARCHITECT

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Court layout plan

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

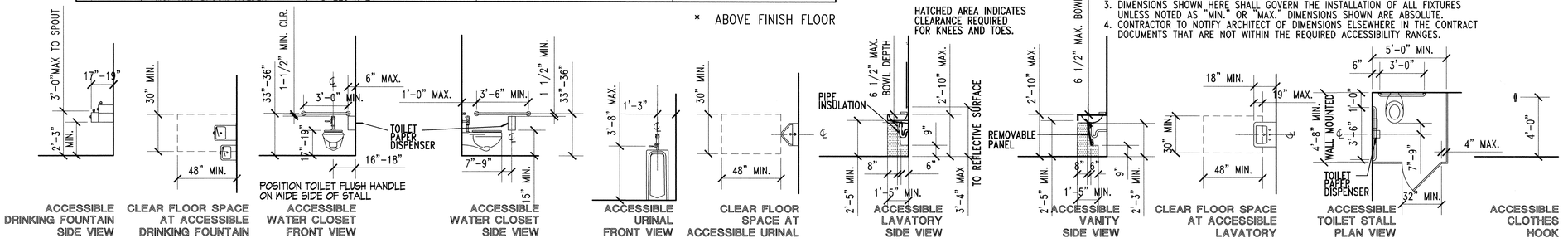
Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 28 Of 49
A411

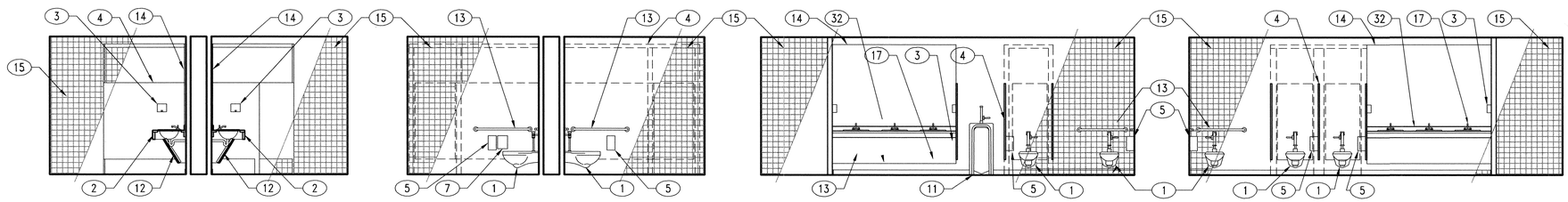
ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.'S MODEL #	ADA MOUNTING HGT.*	NON-ADA MOUNTING HGT.*
		BOBRICK		
A	36" GRAB BAR	B-6806 X 36	34" TO CENTER	-
B	42" GRAB BAR	B-6806 X 42	34" TO CENTER	-
C	TOILET PAPER DISPENSER	B-4288	19" TO CENTER OF BOTTOM SPINDLE	-
D	NAPKIN DISPOSAL	B-270	32" TO TOP	-
E	ACCESSABLE CLOTHES HOOK	B-682-L	48" TO CENTER	-
F	BUMPER CLOTHES HOOK	B-212	48" TO CENTER	-
G	LIQUID SOAP DISPENSER	B-4112	40" TO BOTTOM U.N.O.	-
H	ELECTRIC HAND DRYER (ADA)	B-708	48" TO DIFFUSER	-
I	PAPER TOWEL DISPENSER/ WASTE	B-43944	48" TO DISPENCER	-
J	NAPKIN DISPENSER	B-435009	48" TO COIN SLOT	-
K	PAPER TOWEL DISPENSER/WASTE	B-4369	51 1/2" TO TOP	
L	CURTAIN ROD, CURTAIN, HOOKS	B-407, 204-2, 204-1	N/A	
M	ADA SHOWER SEAT	B-5181	18" TO TOP	
N	SHOWER GRAB BARS	B-6861	34" TO CENTER	
P	MOP AND BROOM HOLDER	B-223 X 24		

* ABOVE FINISH FLOOR



14 ACCESSIBILITY REQUIREMENTS
1/4"=1'-0"

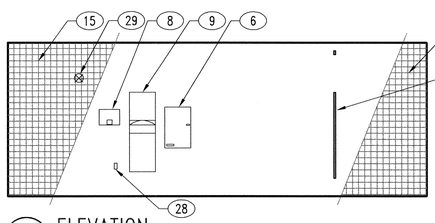


13 ELEVATION
1/4"=1'-0"

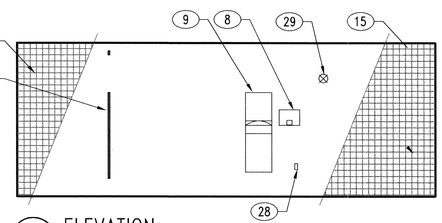
12 ELEVATION
1/4"=1'-0"

11 ELEVATION
1/4"=1'-0"

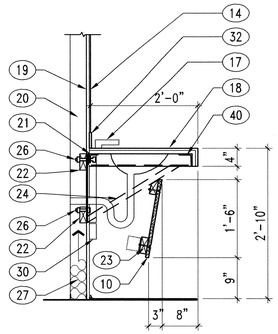
10 ELEVATION
1/4"=1'-0"



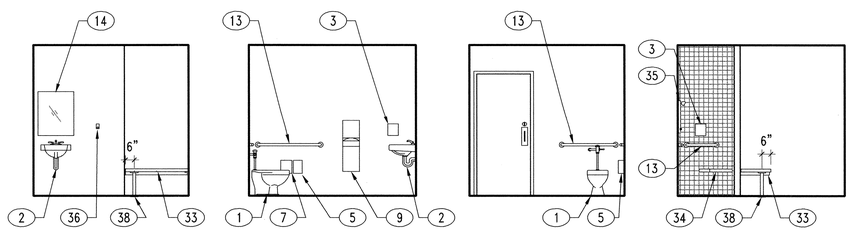
9 ELEVATION
1/4"=1'-0"



8 ELEVATION
1/4"=1'-0"



7 LAVATORY COUNTER
3/4"=1'-0"

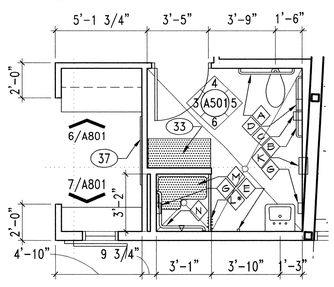


6 SOUTH
1/4"=1'-0"

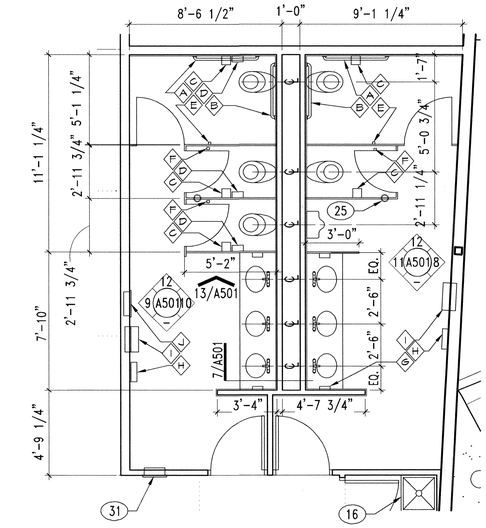
5 EAST
1/4"=1'-0"

4 NORTH
1/4"=1'-0"

3 WEST
1/4"=1'-0"



2 PLAN
1/4"=1'-0"



1 TOILET PLAN
1/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. TOILET
2. LAVATORY
3. SOAP DISPENSER, TYP.
4. TOILET PARTITION'S, TYP. SEE SPEC'S
5. TOILET PAPER DISPENSER
6. NAPKIN DISPENSER
7. NAPKIN DISPOSAL RECEPTACLE, TYP.
8. HAND DRYER
9. PAPER TOWEL RISPENSER & WASTE
10. MDF PANEL, P-LAM FINISHED ON 3 SIDES
11. URINAL
12. PROTECTIVE PANEL (ADA)
13. GRAB BAR
14. 18X30 MIRROR IN STAINLESS STEEL FRAME.
15. 2" X 2" WALL TILE
16. MOP SINK, SEE MECHANICAL
17. FAUCET, TYP. SEE PLUMBING DWGS.
18. 1/2" SOLID SURFACE COUNTERTOP WITH INTERGRAL BOWL ON 3/4" MDF.
19. 5/8" MOISTURE RESISTANT GYP. BD.
20. 3 5/8" METAL STUD
21. 2" X 2" X 1/4" STEEL ANGLE
22. SOLID BLOCKING, SEE SPECS.
23. 2 X 4 SUPPORT RAIL, FASTEN WITH 3" X 3" X 1/4" STEEL BRACKETS
24. 1" X 2 1/2" TUBE STEEL FRAME
25. FLOOR DRAIN, TYP. SEE MECHANICHAL
26. 5/8" MACHINE BOLT W/ NUT & WASHER
27. SOUND ATTENUATING BATT INSULATION
28. 20 AMP DUPLEX GFI
29. FIRE ALARM VISUAL SIGNAL
30. FLUSH VALVE TRANSFORMER SEE MECHANICAL
31. FIRE EXTINGUISHER
32. 4" HIGH SOLID SURFACE BACKSPLASH
33. 20" X 42" BENCH, SEE SPEC'S. INSTALL WITH 2"X2"X1/4" STEEL ANGLE CONTINUOUS AND 1 PEDISTAL.
34. ADA SHOWER SEAT, SEE SPEC'S
35. SHOWER HEAD AND MIXING VALVE
36. ADA CLOTHES HOOK
37. VISUAL DISPLAY BOARD
38. RECESS PEDESTAL BASE BELOW TILE.
39. 2" X 3" X 1/4" STEEL ANGLE BETWEEN EACH LAVATORY.
40. 3" X 3" X 1/4" STEEL ANGLE.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
11599 STEPHEN JAMES TOLER.
FROM SURVEYING
CONTROL, INC.

ARCHITECT'S STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Toilet Room plans & elevations

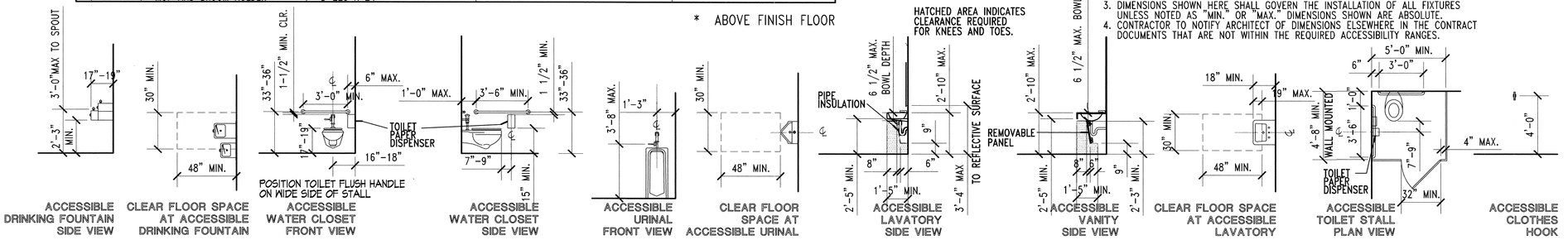
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet 29 Of 49
5751.92	L-21-Z	A501

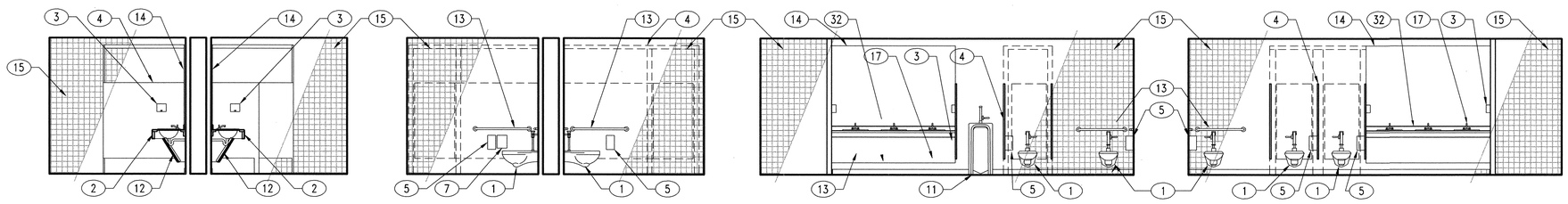
ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.'S MODEL #	ADA MOUNTING HGT.*	NON-ADA MOUNTING HGT.*
		BOBRICK		
A	36" GRAB BAR	B-6806 X 36	34" TO CENTER	-
B	42" GRAB BAR	B-6806 X 42	34" TO CENTER	-
C	TOILET PAPER DISPENSER	B-4288	19" TO CENTER OF BOTTOM SPINDLE	-
D	NAPKIN DISPOSAL	B-270	32" TO TOP	-
E	ACCESSABLE CLOTHES HOOK	B-682-L	48" TO CENTER	-
F	BUMPER CLOTHES HOOK	B-212	48" TO CENTER	-
G	LIQUID SOAP DISPENSER	B-4112	40" TO BOTTOM U.N.O.	-
H	ELECTRIC HAND DRYER (ADA)	B-708	48" TO DIFFUSER	-
I	PAPER TOWEL DISPENSER/ WASTE	B-43944	48" TO DISPENCER	-
J	NAPKIN DISPENSER	B-435009	48" TO COIN SLOT	-
K	PAPER TOWEL DISPENSER/WASTE	B-4369	51 1/2" TO TOP	
L	CURTAIN ROD, CURTAIN, HOOKS	B-407, 204-2, 204-1	N/A	
M	ADA SHOWER SEAT	B-5181	18" TO TOP	
N	SHOWER GRAB BARS	B-6861	34" TO CENTER	
P	MOP AND BROOM HOLDER	B-223 X 24		

* ABOVE FINISH FLOOR



14 ACCESSIBILITY REQUIREMENTS
1/4"=1'-0"

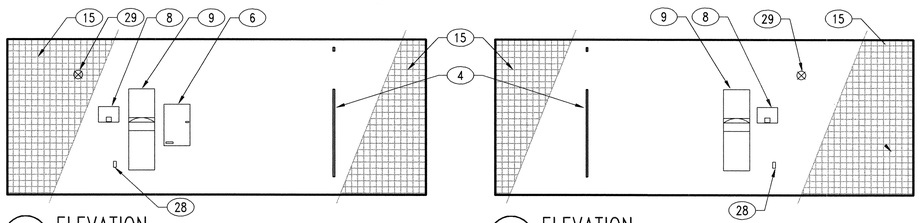


13 ELEVATION
1/4"=1'-0"

12 ELEVATION
1/4"=1'-0"

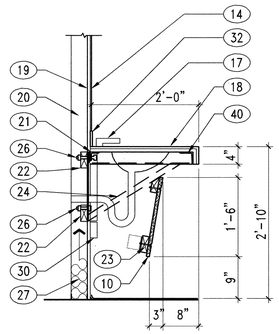
11 ELEVATION
1/4"=1'-0"

10 ELEVATION
1/4"=1'-0"

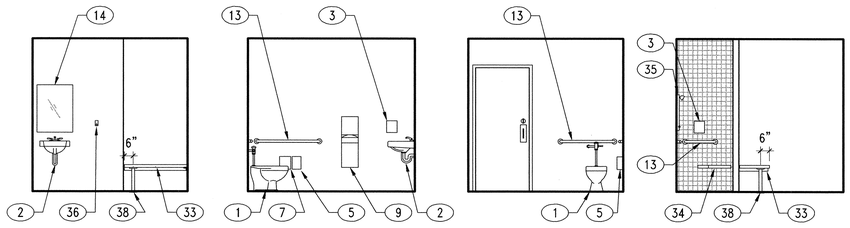


9 ELEVATION
1/4"=1'-0"

8 ELEVATION
1/4"=1'-0"



7 LAVATORY COUNTER
3/4"=1'-0"

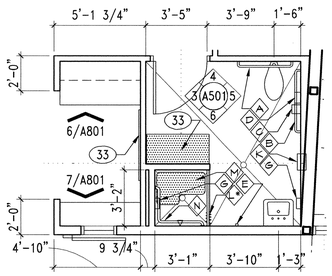


6 SOUTH
1/4"=1'-0"

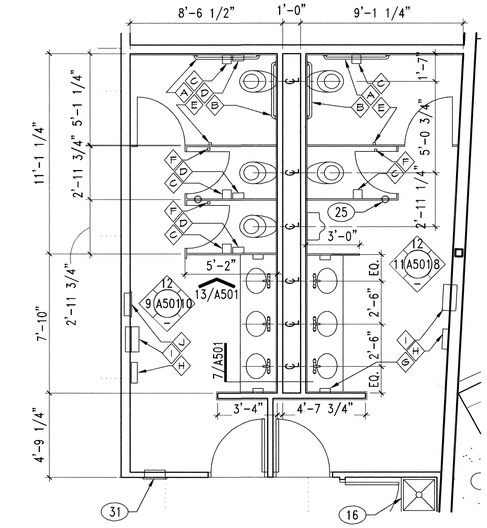
5 EAST
1/4"=1'-0"

4 NORTH
1/4"=1'-0"

3 WEST
1/4"=1'-0"



2 PLAN
1/4"=1'-0"



1 TOILET PLAN
1/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. TOILET
2. LAVATORY
3. SOAP DISPENSER, TYP.
4. TOILET PARTITION'S, TYP. SEE SPEC'S
5. TOILET PAPER DISPENSER
6. NAPKIN DISPENSER
7. NAPKIN DISPOSAL RECEPTACLE, TYP.
8. HAND DRYER
9. PAPER TOWEL RISPENSER & WASTE
10. MDF PANEL, P-LAM FINISHED ON 3 SIDES
11. URINAL
12. PROTECTIVE PANEL (ADA)
13. GRAB BAR
14. WALL MIRROR
15. 2" X 2" WALL TILE
16. MOP SINK, SEE MECHANICAL
17. FAUCET, TYP. SEE PLUMBING DWGS.
18. 1/2" SOLID SURFACE COUNTERTOP WITH INTERGRAL BOWL ON 3/4" MDF.
19. 5/8" MOISTURE RESISTANT GYP. BD.
20. 3 5/8" METAL STUD
21. 2" X 2" X 1/4" STEEL ANGLE
22. SOLID BLOCKING, SEE SPECS.
23. 2 X 4 SUPPORT RAIL, FASTEN WITH 3" X 3" X 1/4" STEEL BRACKETS
24. 1" X 2 1/2" TUBE STEEL FRAME
25. FLOOR DRAIN, TYP. SEE MECHANICHAL
26. 5/8" MACHINE BOLT W/ NUT & WASHER
27. SOUND ATTENUATING BATT INSULATION
28. 20 AMP DUPLEX GFI
29. FIRE ALARM VISUAL SIGNAL
30. FLUSH VALVE TRANSFORMER SEE MECHANICAL
31. FIRE EXTINGUISHER
32. 4" HIGH SOLID SURFACE BACKSPLASH
33. 20" X 42" BENCH, SEE SPEC'S. INSTALL WITH 2"X2"X1/4" STEEL ANGLE CONTINUOUS AND 1 PEDISTAL.
34. ADA SHOWER SEAT, SEE SPEC'S
35. SHOWER HEAD AND MIXING VALVE
36. ADA CLOTHES HOOK
37. VISUAL DISPLAY BOARD
38. RECESS PEDESTAL BASE BELOW TILE.
39. 2" X 3" X 1/4" STEEL ANGLE BETWEEN EACH LAVATORY.
40. 3" X 3" X 1/4" STEEL ANGLE.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.23.02

REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

07/23/02 PLAN CHECK AND DRC

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Toilet Room plans & elevations

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. / MO./DAY/YR.

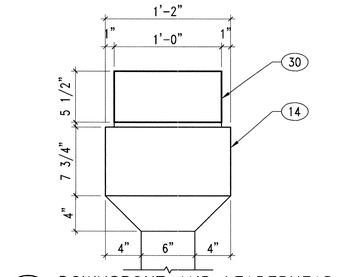
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 29 Of 49
A501

GENERAL NOTES

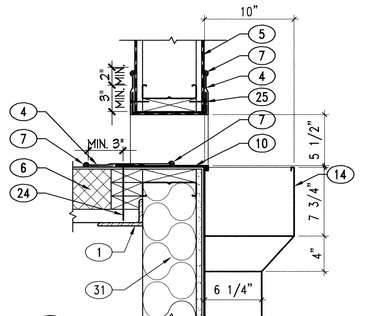
A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1 STRUCTURAL STEEL SEE STRUCTURAL
2 SINGLE PLY MEMBRANE. SEE SPECS.
3 MANUFACTURER'S APPROVED PLATE AND FASTENER INTO WALL AT 12" O.C.
4 HOT-AIR WELD
5 BONDING ADHESIVE. SEE SPECS.
6 4" POLY ISO INSULATION, SEE SPEC'S
7 SEAM CAULK. SEE SPECS.
8 PLATE/FASTENER INTO DECK. SPACE PER MFR.'S RECOMMENDATIONS.
9 TREATED WOOD NAILER. SEE SPECS.
10 UNIT COUNTERFLASHING.
11 TREATED WOOD BLOCKING SIZED TO FIT OPENING.
12 FASTEN AT 12" O.C. SEE SPECS.
13 0.055" UNSUPPORTED MEMBRANE
14 DOWNSPOUT AND LEADERHEAD
15 CAST IRON PERFORATED ROOF DRAIN STRAINER
16 CLAMPING RING
17 ALL PURPOSE SEALANT INSTALLED PER MFR.'S RECOMMENDATIONS.
18 INSULATION - TAPER TO ACHEIVE SMOOTH TRANSITION TO DRAIN BOWL.
19 DRAIN BOWL
20 TERMINATION BAR FASTENED 6" O.C. PER MFR'.S RECOMENDATIONS. 1/4" (6mm) GAP BETWEEN SECTIONS, BEND TO END OF WALL PANEL CONTOUR AND FASTENED WITHIN 2" OF EACH END.
21 HOT-AIR WELD 1" MIN.
22 STAINLESS STEEL CLAMP
23 HOT-AIR WELD COMPLETE WIDTH OF FLANGE
24 MIN. (4) FASTENERS AT MIN. 6" O.C.
25 MANUFACTURER'S SCREW FASTENED 6" O.C.
26 PRE-FABRICATED FULLY WELDED ROOF HATCH CURB
27 RAIN HOOD
28 NOT USED
29 DRAIN PIPE TO EXTEND 2" ABOVE MAIN ROOF DRAIN INLET HEIGHT.
30. THROUGH WALL SCUPPER
31. BATT INSULATION SEE SPECS

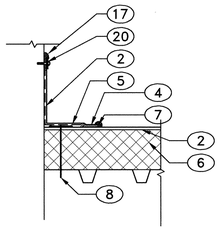


11 DOWNSPOUT AND LEADERHEAD
1 1/2"=1'-0"

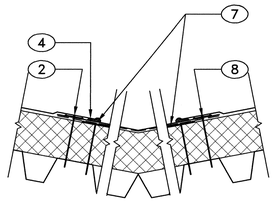


10 THROUGH WALL SCUPPER
1 1/2"=1'-0"

NOTES:
1 USE UNSUPPORTED MEMBRANE AT 3-PLANE CORNER TRANSITIONS.
2 SEE SPECIFICATIONS FOR MINIMUM NAILER SECUREMENT REQUIREMENTS. FASTENING RATES PER MANUFACTURER'S REQUIREMENTS.
3 EXTEND NAILER 2" MIN. BEYOND SCUPPER MOUTH ON EACH SIDE.
4 SCUPPER MUST HAVE CONTINUOUS FLANGE.

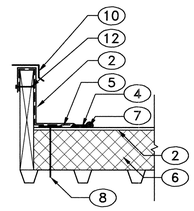


9 TERMINATION BAR
1 1/2"=1'-0"



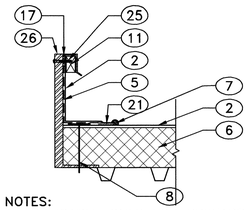
THIS DETAIL MUST BE USED WHENEVER VALLEY OR OTHER SLOPE TRANSITIONS EXCEED 2:12 SLOPE. WHEN POSSIBLE, SEAM WELDS SHOULD NOT BE LOCATED AT LOW POINT OF VALLEY.

8 VALLEY FLASHING
1 1/2"=1'-0"



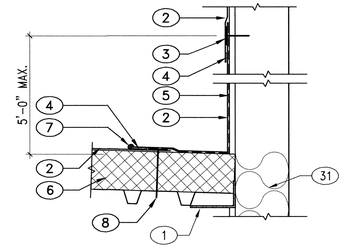
NOTES:
FLASHING SHALL EXTEND MIN. 6" ABOVE ROOF SURFACE AND MUST BE ABOVE FLOOD LEVEL.

7 CURB FLASHING
1 1/2"=1'-0"

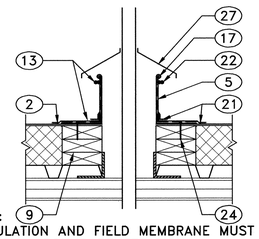


NOTES:
A APPLICABLE ONLY FOR PREFABRICATED, FULLY WELDED CURBS.
B EXTERIOR INSULATION MUST BE REMOVED FROM CURB AT POINT OF FLASHING TERMINATION.
C FLASHING MUST BE MIN. 6" ABOVE ROOF LEVEL.

6 ROOF HATCH
1 1/2"=1'-0"

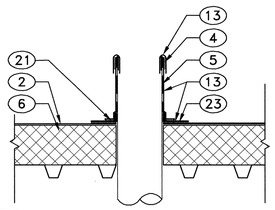


5 HIGH WALL FLASHING
1 1/2"=1'-0"



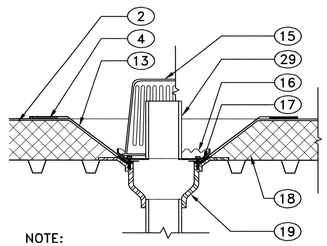
NOTES:
A INSULATION AND FIELD MEMBRANE MUST BE CUT TIGHTLY AROUND PENETRATION.
B FLASHING MUST BE MIN. 6" ABOVE ROOF SURFACE AND MUST BE ABOVE THE ROOF FLOOD LEVEL.

4 HEATED VENT STACK
1 1/2"=1'-0"



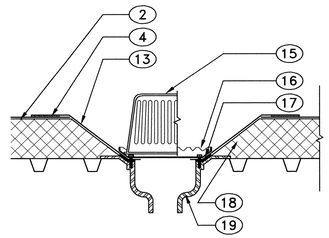
NOTES:
A INSULATION AND FIELD MEMBRANE MUST BE CUT TIGHTLY AROUND PENETRATION.
B FLASHING MUST BE MIN. 6" ABOVE ROOF SURFACE AND MUST BE ABOVE THE ROOF FLOOD LEVEL.

3 VENT STACK
1 1/2"=1'-0"



NOTE:
SEE ROOF DRAIN NOTES. DETAIL 7/A505
OVERFLOW HGT. MUST BE 2" ABOVE DRAIN HGT.

2 ROOF OVERFLOW DRAIN
1 1/2"=1'-0"



1 ROOF DRAIN
1 1/2"=1'-0"

NOTES:
A THIS DETAIL SHOULD BE USED WHEN INSULATION TRANSITION TO SUMP PRECLUDES USE OF REINFORCED MEMBRANE.
B DRAIN MUST HAVE FUNCTIONAL CLAMPING RING.
C EXTEND MEMBRANE 1-1/2" BEYOND DRAIN BOLTS. DO NOT "NOTCH" MEMBRANE.
D CUT HOLE IN MEMBRANE TO MATCH BOLT DIAMETER & INSERT BOLT.
E HOLE IN MEMBRANE MUST BE GREATER THAN OR EQUALTO THE DRAIN PIPE SIZE.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Roof Details

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

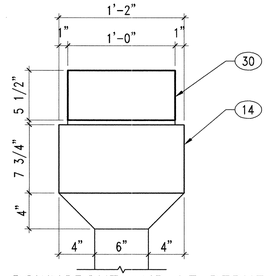
City Project No.	Zone Map No.	Sheet 30 Of 49
5751.92	L-21-Z	A601

GENERAL NOTES

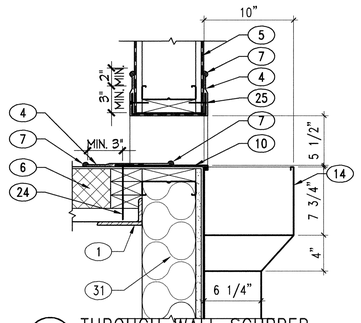
A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1 STRUCTURAL STEEL SEE STRUCTURAL
2 SINGLE PLY MEMBRANE. SEE SPECS.
3 MANUFACTURER'S APPROVED PLATE AND FASTENER INTO WALL AT 12" O.C.
4 HOT-AIR WELD
5 BONDING ADHESIVE. SEE SPECS.
6 4" POLY ISO INSULATION, SEE SPEC'S
7 SEAM CAULK. SEE SPECS.
8 PLATE/FASTENER INTO DECK. SPACE PER MFR.'S RECOMMENDATIONS.
9 TREATED WOOD NAILER. SEE SPECS.
10 UNIT COUNTERFLASHING.
11 TREATED WOOD BLOCKING SIZED TO FIT OPENING.
12 FASTEN AT 12" O.C. SEE SPECS.
13 0.055" UNSUPPORTED MEMBRANE
14 DOWNSPOUT AND LEADERHEAD
15 CAST IRON PERFORATED ROOF DRAIN STRAINER
16 CLAMPING RING
17 ALL PURPOSE SEALANT INSTALLED PER MFR.'S RECOMMENDATIONS.
18 INSULATION - TAPER TO ACHEIVE SMOOTH TRANSITION TO DRAIN BOWL.
19 DRAIN BOWL
20 TERMINATION BAR FASTENED 6" O.C. PER MFR'.S RECOMENDATIONS. 1/4" (6mm) GAP BETWEEN SECTIONS, BEND TO END OF WALL PANEL CONTOUR AND FASTENED WITHIN 2" OF EACH END.
21 HOT-AIR WELD 1" MIN.
22 STAINLESS STEEL CLAMP
23 HOT-AIR WELD COMPLETE WIDTH OF FLANGE
24 MIN. (4) FASTENERS AT MIN. 6" O.C.
25 MANUFACTURER'S SCREW FASTENED 6" O.C.
26 PRE-FABRICATED FULLY WELDED ROOF HATCH CURB
27 RAIN HOOD
28 NOT USED
29 DRAIN PIPE TO EXTEND 2" ABOVE MAIN ROOF DRAIN INLET HEIGHT.
30. THROUGH WALL SCUPPER
31. BATT INSULATION SEE SPECS

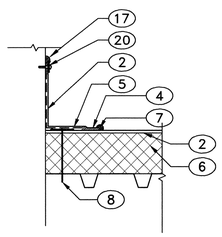


11 DOWNSPOUT AND LEADERHEAD
1 1/2"=1'-0"

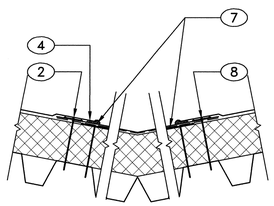


10 THROUGH WALL SCUPPER
1 1/2"=1'-0"

NOTES:
1 USE UNSUPPORTED MEMBRANE AT 3-PLANE CORNER TRANSITIONS.
2 SEE SPECIFICATIONS FOR MINIMUM NAILER SECUREMENT REQUIREMENTS. FASTENING RATES PER MANUFACTURER'S REQUIREMENTS.
3 EXTEND NAILER 2" MIN. BEYOND SCUPPER MOUTH ON EACH SIDE.
4 SCUPPER MUST HAVE CONTINUOUS FLANGE.

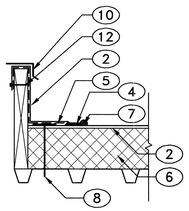


9 TERMINATION BAR
1 1/2"=1'-0"



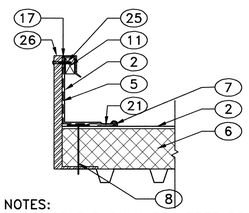
THIS DETAIL MUST BE USED WHENEVER VALLEY OR OTHER SLOPE TRANSITIONS EXCEED 2:12 SLOPE. WHEN POSSIBLE, SEAM WELDS SHOULD NOT BE LOCATED AT LOW POINT OF VALLEY.

8 VALLEY FLASHING
1 1/2"=1'-0"



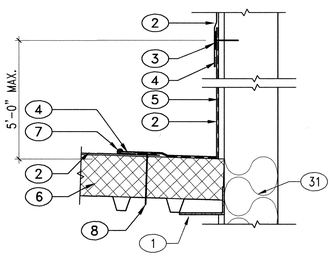
NOTES:
FLASHING SHALL EXTEND MIN. 6" ABOVE ROOF SURFACE AND MUST BE ABOVE FLOOD LEVEL.

7 CURB FLASHING
1 1/2"=1'-0"

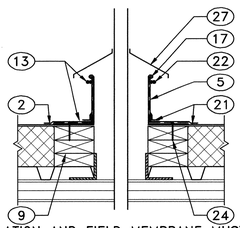


NOTES:
A APPLICABLE ONLY FOR PREFABRICATED, FULLY WELDED CURBS.
B EXTERIOR INSULATION MUST BE REMOVED FROM CURB AT POINT OF FLASHING TERMINATION.
C FLASHING MUST BE MIN. 6" ABOVE ROOF LEVEL.

6 ROOF HATCH
1 1/2"=1'-0"

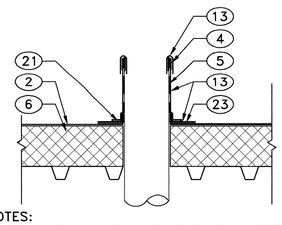


5 HIGH WALL FLASHING
1 1/2"=1'-0"



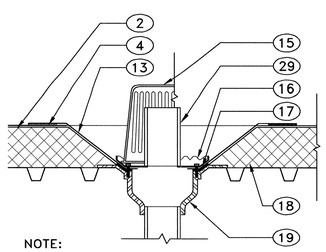
NOTES:
A INSULATION AND FIELD MEMBRANE MUST BE CUT TIGHTLY AROUND PENETRATION.
B FLASHING MUST BE MIN. 6" ABOVE ROOF SURFACE AND MUST BE ABOVE THE ROOF FLOOD LEVEL.

4 HEATED VENT STACK
1 1/2"=1'-0"



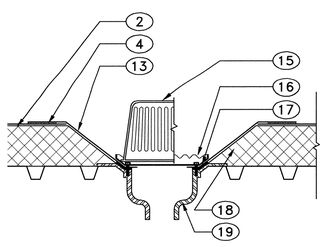
NOTES:
A INSULATION AND FIELD MEMBRANE MUST BE CUT TIGHTLY AROUND PENETRATION.
B FLASHING MUST BE MIN. 6" ABOVE ROOF SURFACE AND MUST BE ABOVE THE ROOF FLOOD LEVEL.

3 VENT STACK
1 1/2"=1'-0"



NOTE:
SEE ROOF DRAIN NOTES. DETAIL 7/A505
OVERFLOW HGT. MUST BE 2" ABOVE DRAIN HGT.

2 ROOF OVERFLOW DRAIN
1 1/2"=1'-0"



1 ROOF DRAIN
1 1/2"=1'-0"

NOTES:
A THIS DETAIL SHOULD BE USED WHEN INSULATION TRANSITION TO SUMP PRECLUDES USE OF REINFORCED MEMBRANE.
B DRAIN MUST HAVE FUNCTIONAL CLAMPING RING.
C EXTEND MEMBRANE 1-1/2" BEYOND DRAIN BOLTS. DO NOT "NOTCH" MEMBRANE.
D CUT HOLE IN MEMBRANE TO MATCH BOLT DIAMETER & INSERT BOLT.
E HOLE IN MEMBRANE MUST BE GREATER THAN OR EQUALTO THE DRAIN PIPE SIZE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7-25-02

NO.	DATE	REVISIONS/REMARKS	BY
1	07/24/02	PEER CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

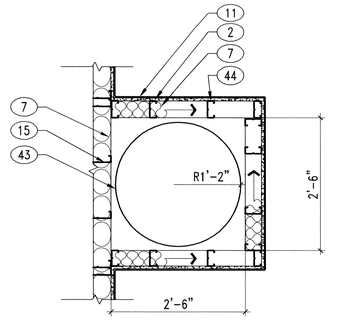
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

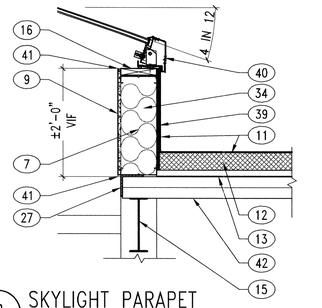
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Roof Details

Design Review Committee: APPROVED AUG 1 2002 REVIEWER
City Engineer Approval: APPROVED AUG - 1 2002 CITY
Last Design Update: MO./DAY/YR. / MO./DAY/YR.

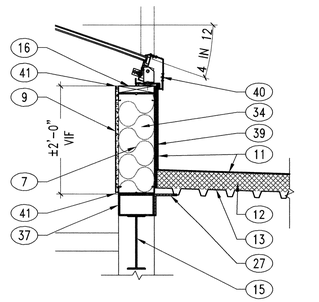
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 30 Of 49
A601



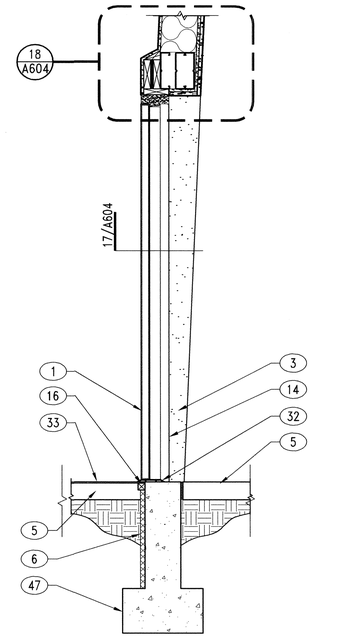
9 HVAC CHASE
3/4"=1'-0"



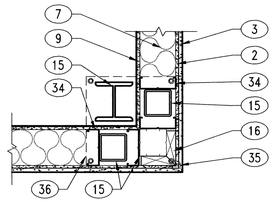
8 SKYLIGHT PARAPET
3/4"=1'-0"



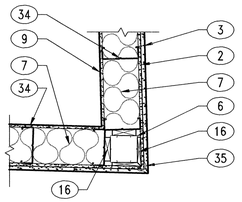
7 SKYLIGHT PARAPET
3/4"=1'-0"



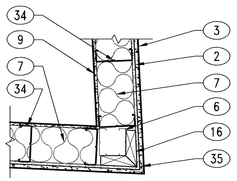
3 DOOR IN SLOPED WALL
3/4"=1'-0"



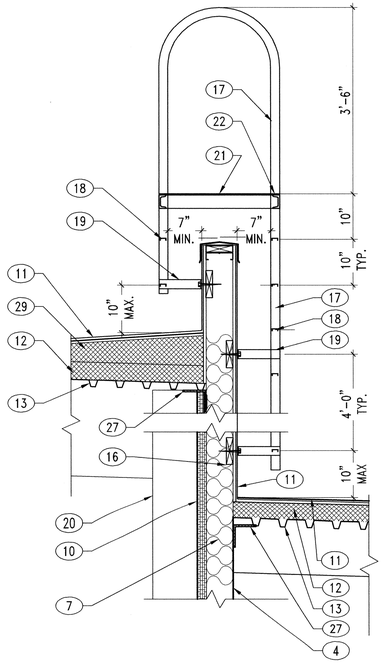
6 BLDG.CORNER @ F.F.
3/4"=1'-0"



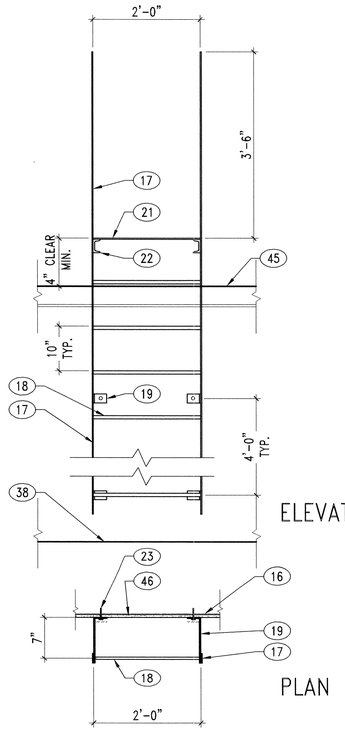
5 BLDG.CORNER @ 18'-0" A.F.F.
3/4"=1'-0"



4 BLDG.CORNER @ 36'-0" A.F.F.
3/4"=1'-0"

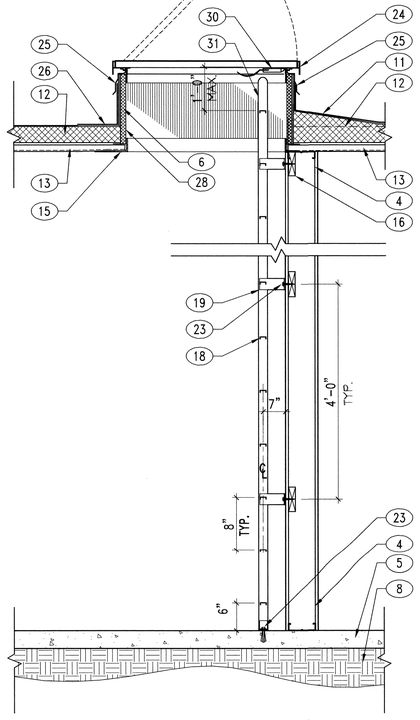


2 PARAPET-LADDER
3/4"=1'-0"



ELEVATION

PLAN



1 ROOF LADDER
3/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. DOOR, SEE DOOR SHEDULE
2. 5/8" GYP. SHEATHING W/ 30 LB FELT VAPOR BARRIER
3. 3 COAT CEMENT PLASTER
4. 6" STEEL STUD, SEE STRUCTURAL
5. 4" CONCRETE SLAB, SEE STRUCTURAL
6. RIGID INSULATION, SEE SPEC,S
7. BATT INSULATION, SEE SPEC'S
8. SUB-SLAB FILL, SEE SPEC'S
9. 5/8" TYPE "X" GYP. BD.
10. TECTUM PANEL
11. SINGLE PLY ROOF MEMBRANE, SEE SPEC'S
12. 4" POLY ISO INSULATION, SEE SPEC'S
13. METAL DECK, SEE STRUCTURAL
14. HOLLOW METAL FRAME
15. STRUCTURAL STEEL, SEE STRUCTURAL
16. CONTINUOUS SOLID WOOD BLOCKING, SEE SPEC'S
17. 1/4" X 4" STEEL RAIL, SEE STRUCTURAL. PAINT.
18. NON-SLIP TREAD
19. STEEL ANCHOR BRACKET. ATTACH TO WALL WITH GALVANIZED FASTENERS.
20. COLUMN BEYOND
21. SERRATED EXPANDED METAL NON-SLIP PLATFORM
22. PLATFORM SUPPORT FRAME
23. LADDER ANCHOR BOLT
24. ROOF HATCH
25. FLASHING, SEE SPEC'S
26. REINFORCED MEMBRANE
27. STEEL ANGLE, SEE STRUCTURAL
28. ROOF HATCH CURB
29. TAPERED INSULATION
30. LATCH MECHANISM
31. RAIL EXTENSIONS TO PROJECT 42" BEYOND TOP STEP
32. ALUMINUM THRESHOLD
33. RUBBER ATHLETIC FLOORING, SEE SPEC'S.
34. 8" STEEL STUD
35. CONTINUOUS METAL CORNER REINFORCEMENT
36. BASE PLATE
37. 5" X 8" TS, SEE STRUCTURAL
38. ROOF DECK
39. 1/2" PLYWOOD SHEATHING
40. SLOPED SKYLIGHT MULLION
41. CONTINUOUS METAL EDGE BEAD
42. STEEL JOIST, SEE STRUCTURAL
43. HVAC DUCT, SEE MECHANICAL
44. 3 5/8" 20 GAUGE STEEL STUDS
45. TOP OF PARAPET
46. 5/8" GYP. SHEATHING
47. CONCRETE FOOTING, SEE STRUCTURAL

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

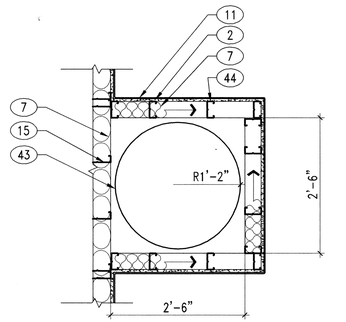
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

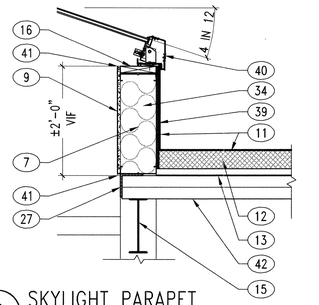
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92
Zone Map No. L-21-Z
Sheet 31 Of 49
A602

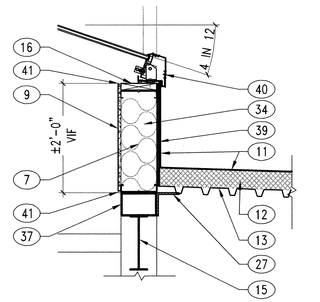
<DTL-TITLE.DWG>



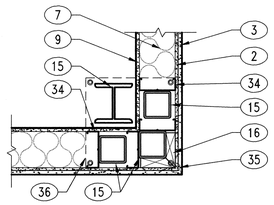
9 HVAC CHASE
3/4"=1'-0"



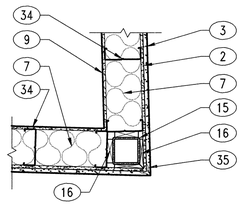
8 SKYLIGHT PARAPET
3/4"=1'-0"



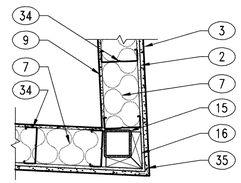
7 SKYLIGHT PARAPET
3/4"=1'-0"



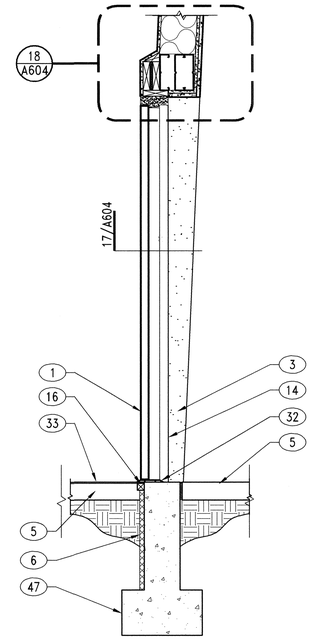
6 BLDG.CORNER @ F.F.
3/4"=1'-0"



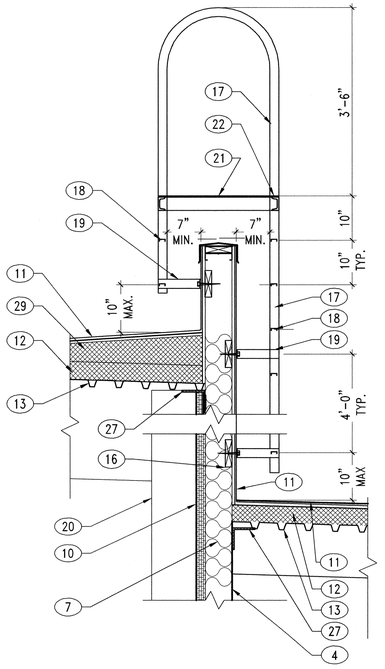
5 BLDG.CORNER @ 18'-0" A.F.F.
3/4"=1'-0"

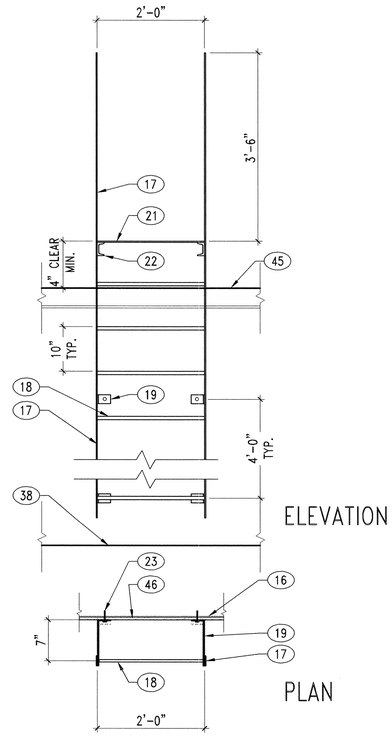


4 BLDG.CORNER @ 36'-0" A.F.F.
3/4"=1'-0"



3 DOOR IN SLOPED WALL
3/4"=1'-0"

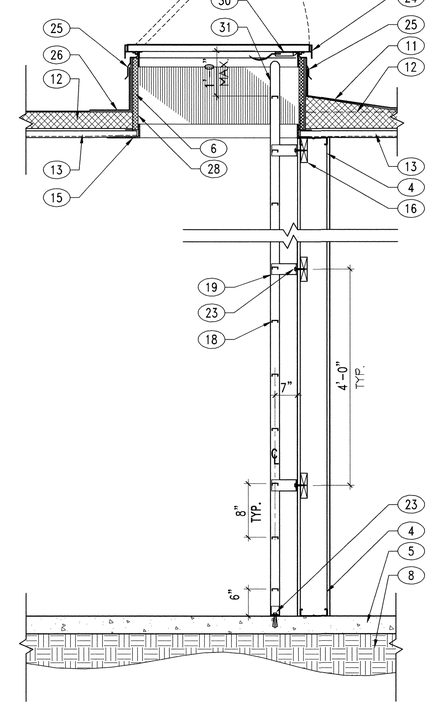




ELEVATION

PLAN

2 PARAPET-LADDER
3/4"=1'-0"



1 ROOF LADDER
3/4"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. DOOR, SEE DOOR SHEDULE
2. 5/8" GYP. SHEATHING W/ 30 LB FELT VAPOR BARRIER
3. 3 COAT CEMENT PLASTER
4. 6" STEEL STUD, SEE STRUCTURAL
5. 4" CONCRETE SLAB, SEE STRUCTURAL
6. RIGID INSULATION, SEE SPEC,S
7. BATT INSULATION, SEE SPEC'S
8. SUB-SLAB FILL, SEE SPEC'S
9. 5/8" TYPE "X" GYP. BD.
10. TECTUM PANEL
11. SINGLE PLY ROOF MEMBRANE, SEE SPEC'S
12. 4" POLY ISO INSULATION, SEE SPEC'S
13. METAL DECK, SEE STRUCTURAL
14. HOLLOW METAL FRAME
15. STRUCTURAL STEEL, SEE STRUCTURAL
16. CONTINUOUS SOLID WOOD BLOCKING, SEE SPEC'S
17. 1/4" X 4" STEEL RAIL, SEE STRUCTURAL. PAINT.
18. NON-SLIP TREAD
19. STEEL ANCHOR BRACKET. ATTACH TO WALL WITH GALVANIZED FASTENERS.
20. COLUMN BEYOND
21. SERRATED EXPANDED METAL NON-SLIP PLATFORM
22. PLATFORM SUPPORT FRAME
23. LADDER ANCHOR BOLT
24. ROOF HATCH
25. FLASHING, SEE SPEC'S
26. REINFORCED MEMBRANE
27. STEEL ANGLE, SEE STRUCTURAL
28. ROOF HATCH CURB
29. TAPERED INSULATION
30. LATCH MECHANISM
31. ALUMINUM THRESHOLD PROJECT 42" BEYOND TOP STEP
32. RUBBER ATHLETIC FLOORING, SEE SPEC'S.
33. 8" STEEL STUD
34. CONTINUOUS METAL CORNER REINFORCEMENT
35. BASE PLATE
36. 5" X 8" TS, SEE STRUCTURAL
37. ROOF DECK
38. 1/2" PLYWOOD SHEATHING
39. SLOPED SKYLIGHT MULLION
40. CONTINUOUS METAL EDGE BEAD
41. STEEL JOIST, SEE STRUCTURAL
42. HVAC DUCT, SEE MECHANICAL
43. 3 5/8" 20 GAUGE STEEL STUDS
44. TOP OF PARAPET
45. 5/8" GYP. SHEATHING
46. CONCRETE FOOTING, SEE STRUCTURAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

NO.	DATE	REVISIONS/REMARKS	BY
1	07/23/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

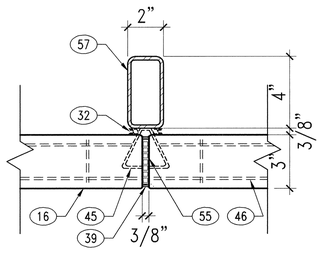
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

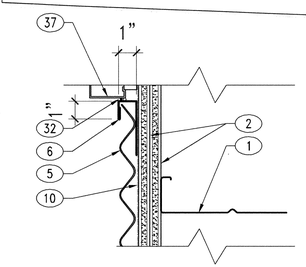
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 31 Of 49
A602

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

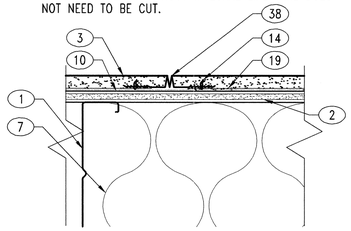


20 PLAN SECTION
3"=1'-0"

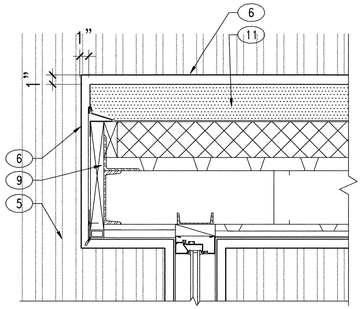


19 SIDING CLOSURE
3"=1'-0"

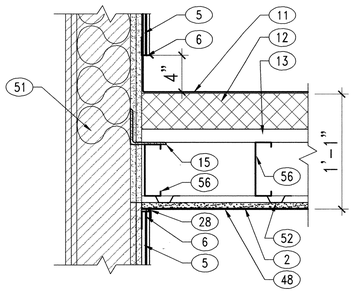
NOTE: WIRE JOINT FLANGES TO LATH, DO NOT NAIL TO SUBSTRAIGHT EXPANDED METAL LATH, WIRE LATH, WELDED WIRE LATH AND WOVEN WIRE LATH WITH INTEGRAL LINE WIRE MUST BE CUT, WOVEN WIRE LATH WITHOUT INTEGRAL LINE WIRE DOES NOT NEED TO BE CUT.



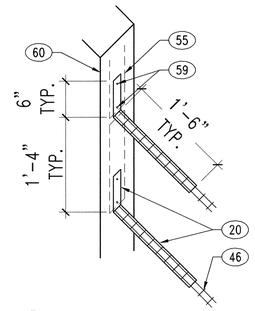
18 CONTROL JOINT
3"=1'-0"



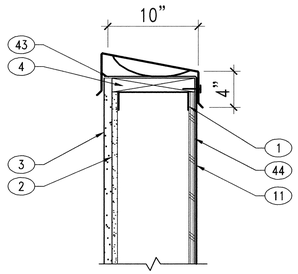
17 FOYER ROOF
1 1/2"=1'-0"



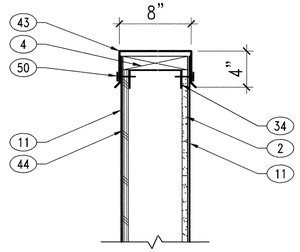
16 FOYER CEILING
1 1/2"=1'-0"



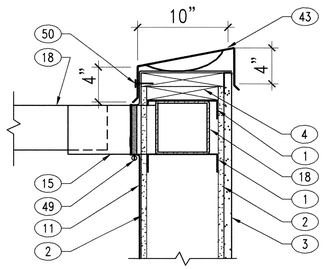
15 PANEL ANCHOR @ GLASS BLOCK
NTS ISOMETRIC



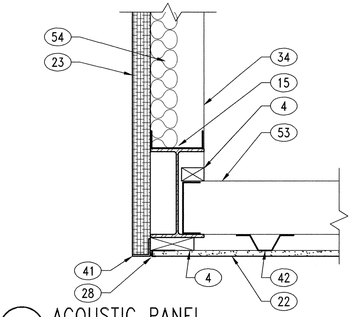
14 PARAPET
1 1/2"=1'-0"



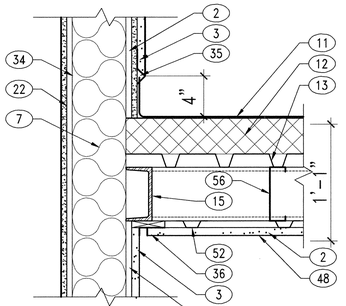
13 PARAPET
1 1/2"=1'-0"



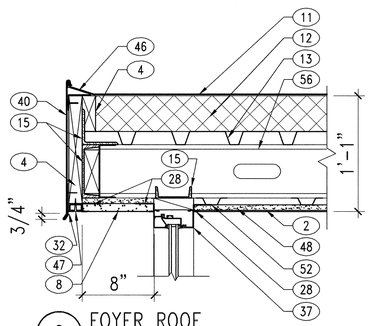
12 PARAPET
1 1/2"=1'-0"



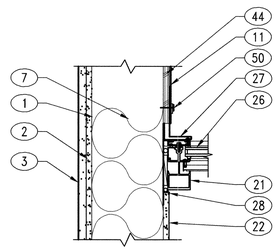
11 ACOUSTIC PANEL
1 1/2"=1'-0"



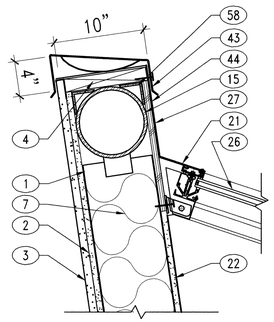
10 FOYER ROOF
1 1/2"=1'-0"



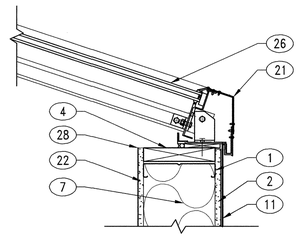
9 FOYER ROOF
1 1/2"=1'-0"



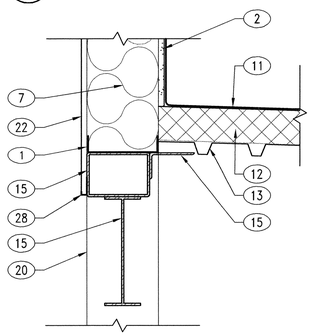
8 SKYLIGHT
1 1/2"=1'-0"



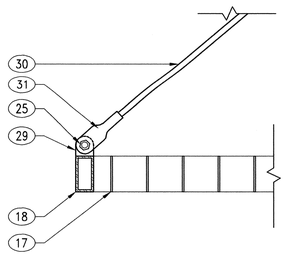
7 SKYLIGHT
1 1/2"=1'-0"



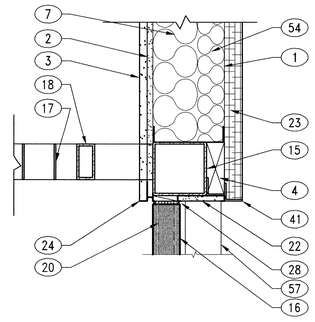
6 SKYLIGHT
1 1/2"=1'-0"



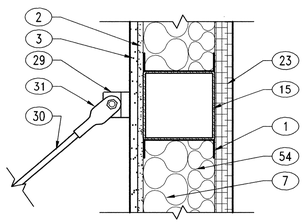
5 FRAMING @ SKYLIGHT
1 1/2"=1'-0"



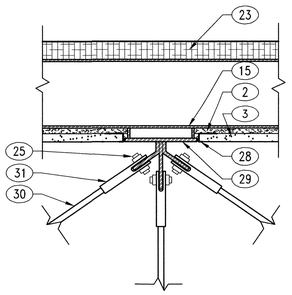
4 METAL AWNING
1 1/2"=1'-0"



3 METAL AWNING
1 1/2"=1'-0"



2 METAL AWNING
1 1/2"=1'-0"



1 METAL AWNING
1 1/2"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 8" STEEL STUD, SEE STRUCTURAL.
2. 5/8" GYP. SHEATHING W/ 30 LB FELT OVER.
3. 3 COAT CEMENT PLASTER.
4. CONTINUOUS SOLID BLOCKING, SEE SPEC'S.
5. EXISISTING CORRUGATED METAL SIDING.
6. 1" X 1" GSM FLASHING W/ HEMMED EDGE, SEE SPEC'S.
7. BATT INSULATION, SEE SPEC'S.
8. SMOOTH TROWELED SYNTHETIC STUCCO FINISH.
9. FOYER ROOF ASSEMBLY.
10. 30 LB. FELT VAPOR BARRIER.
11. SINGLE PLY ROOF MEMBRANE, SEE SPEC'S. FULLY ADHERED AT VERTICAL APPLICATIONS.
12. 4" POLY ISO INSULATION, SEE SPEC'S.
13. METAL DECK, SEE STRUCTURAL.
14. WIRE TIE, SECURE TO LATH.
15. STRUCTURAL STEEL, SEE STRUCTURAL.
16. GLASS BLOCK.
17. ALUMINUM 4"X4"X1/4" GRATE, SEE SPEC'S.
18. TUBE STEEL, SEE STRUCTURAL.
19. WIRE LATH, SEE SPEC'S.
20. GALVANIZED PANEL ANCHOR, 16" O.C. AT GLASS BLOCK. HEAD AND JAMBS. SEE 15/A603.
21. ALUM MULLION SKYLIGHT SYSTEM.
22. 5/8" TYPE "X" GYP. BD.
23. TECTUM PANEL.
24. FRY REGLET B.1 DS 875-875 EXTRUDED ALUMINUM DRIP REVEAL, CONTINUOUS.
25. BOLT.
26. GLAZING, SEE SPEC'S.
27. SKYLIGHT COUNTER FLASHING.
28. CONTINUOUS METAL EDGE BEAD WITH BACKER ROD & SEALANT.
29. STEEL BRACKET& PLATE, SEE STRUCTURAL.
30. 5/8" DIA. PAINTED STEEL ROD.
31. CLAVICLE CONNECTION, SEE STRUCTURAL.
32. CONTINUOUS BEAD OF SEALANT W/ BACKER ROD.
33. CONTINUOUS METAL WEEP SCREED.
34. 6" 18 GA.STEEL STUDS, SEE STRUCTURAL.
35. WEEP SCREED W/ SPRING CLAMP.
36. CONT. METAL 3/4" REVEAL REGLET W/ SEALANT.
37. 4 1/2" X 2" ALUM. STOREFRONT SYSTEM.
38. GSM CONTROL JOINT, SECURE TO LATH W/WIRE TIE ONLY.
39. SEALANT. SEE SPEC'S.
40. CONTINUOUS ONE PIECE ALUMINUM FASCIA.
41. 2" X 2" X 1/8" ALUMINUM ANGLE.
42. 1 3/4" RESILIENT METAL FURRING CHANNEL.
43. GSM PAINTED SPRING LOADED PARAPET CAP 24 GA.
44. FIRE RETARDANT TREATED 5/8" PLYWOOD SHEATHING.
45. FASTEN TIE. INSTALL AT EVERY 2ND COURSE. MATCH REINFORCING COURSES.
46. HORIZONTAL GALVANIZED REINFORCING INSTALL AT EVERY 2ND COURSE. MATCH ANCHOR COURSES.
47. ALUMINUM TUBE, 3/4" X 1-1/2" W/ SEALANT BOTH EDGES.
48. VENEER PLASTER, SEE SPEC'S.
49. FLASHING AND CLAMP PER MFR.'S INSTRUCTIONS.
50. FASTENER PER MFR.'S INSTRUCTIONS.
51. EXISTING CONSTRUCTION.
52. 3/4" RESILIENT FURRING CHANNEL @ 16" O.C.
53. CEILING JOISTS 16" 18 GA 24" O.C. SEE STRUCTURAL.
54. UNFACED BATT INSULATION, SEE SPEC'S.
55. EXPANSION MATERIAL. INSTALL OVER PANEL ANCHOR.
56. FRAMING, SEE STRUCTURAL.
57. 4" X 2" X 1/4" TS @ 10'-0" O.C. SEE STRUCTURAL. ALIGN WITH COLUMN GRID.
58. 2 1/2"X 2 1/2" X 1/4" ANGLES.
59. 1/4" X 2" GALVANIZED SCREWS, TYPICAL.
60. JAMB. HEAD SIM.

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:
MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
7.25.02
REGISTERED ARCHITECT

NO.	DATE	REVISIONS/REMARKS	BY
A	07/25/02	PLAN CHECK AND DRC REVISIONS	SK

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

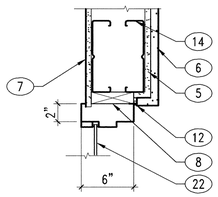
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

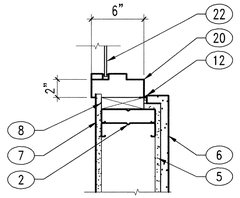
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

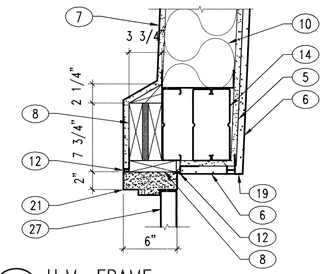
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 32 Of 49
A603



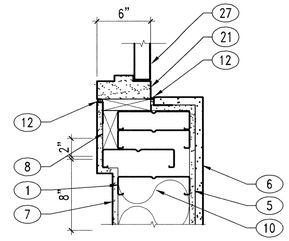
20 H.M. FRAME
1 1/2"=1'-0"



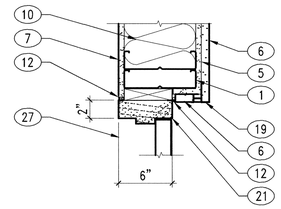
19 H.M. FRAME
1 1/2"=1'-0"



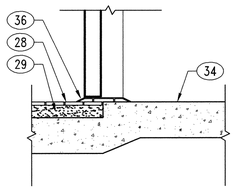
18 H.M. FRAME
1 1/2"=1'-0"



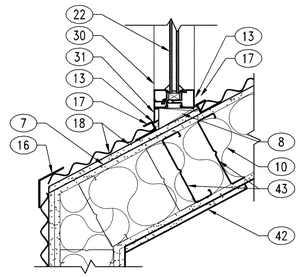
17 H.M. FRAME
1 1/2"=1'-0"



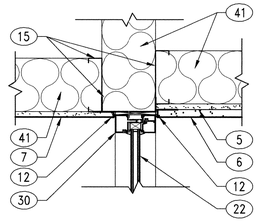
16 H.M.FRAME
1 1/2"=1'-0"



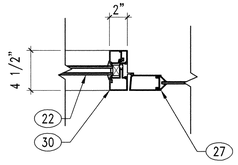
15 THRESHOLD @ TOILET ROOMS
1 1/2"=1'-0"



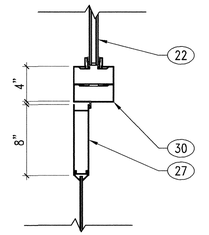
14 ALUM. MULLION
1 1/2"=1'-0"



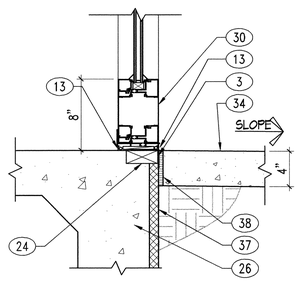
13 ALUM. MULLION
1 1/2"=1'-0"



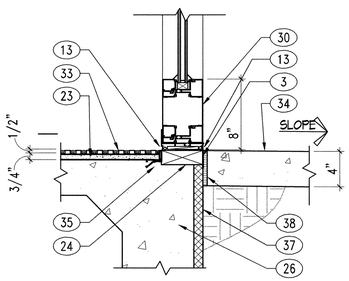
12 ALUM. MULLION
1 1/2"=1'-0"



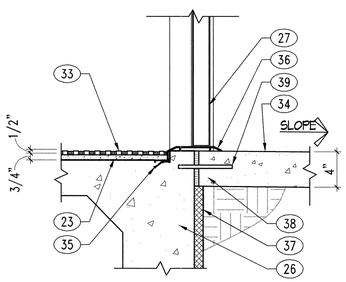
11 ALUM. MULLION
1 1/2"=1'-0"



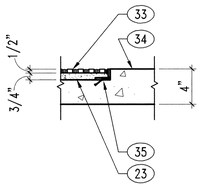
10 ALUM. MULLION
1 1/2"=1'-0"



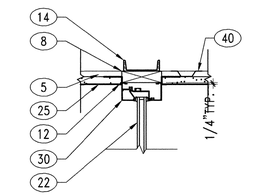
9 FLOOR MAT
1 1/2"=1'-0"



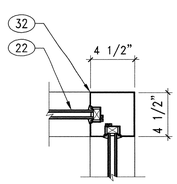
8 FLOOR MAT @THRESHOLD
1 1/2"=1'-0"



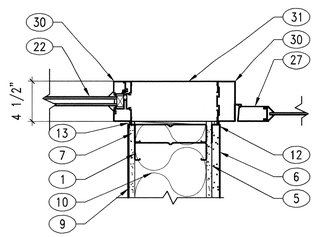
7 FLOOR MAT
1 1/2"=1'-0"



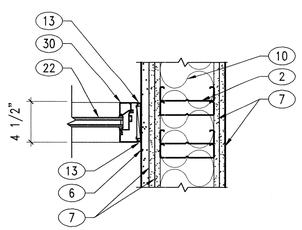
6 ALUM. MULLION
1 1/2"=1'-0"



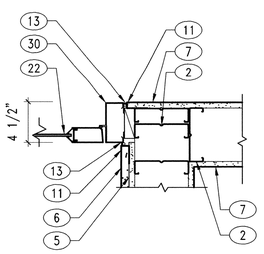
5 ALUM. MULLION
1 1/2"=1'-0"



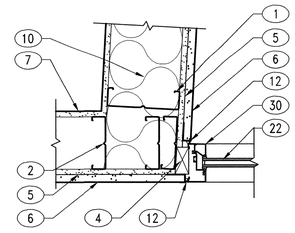
4 ALUM. MULLION
1 1/2"=1'-0"



3 ALUM. MULLION
1 1/2"=1'-0"



2 ALUM. MULLION
1 1/2"=1'-0"



1 ALUM MULLION
1 1/2"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 8" STEEL STUD, SEE STRUCTURAL
2. 6" STEEL STUD, SEE STRUCTURAL
3. 16 GA GSM BENT PLATE
4. WOOD SHIM
5. 5/8" GYP. SHEATHING W/ 30 LB FELT VAPOR BARRIER
6. 3 COAT CEMENT PLASTER
7. 5/8" TYPE X GYP. BOARD
8. CONTINUOUS SOLID BLOCKING, SEE SPEC'S
9. SYTHETIC STUCCO BEADED COLOR COAT, SEE SPEC'S
10. BATT INSULATION, SEE SPEC'S
11. CONTINUOUS METAL EDGE BEAD
12. CONTINUOUS METAL EDGE BEAD & SEALANT BEAD
13. CONTINUOUS SEALANT BEAD & BACKER ROD
14. STRUCTURAL STEEL, SEE STRUCTURAL
15. STEEL FRAMING, SEE STRUCTURAL
16. GSM CLOSURE, SEE SPEC'S
17. GSM 1" X 1" CONTINUOUS EDGE TRIM
18. REMOVE PORTION OF CORRUGATED SIDING AND INSTALL SECOND LAYER OF 5/8" GYP BOARD TO EXISTING. REINSTALL SIDING OVER NEW GYP BOARD AS SHOWN.
19. FRY REGLET B.1 DS 875-875 EXTRUDED ALUMINUM DRIP REVEAL, CONTINUOUS.
20. HOLLOW METAL FRAME
21. HOLLOW METAL FRAME, GROUT SOLID
22. GLAZING, SEE GLAZING SCHEDULE
23. SCREED BASE
24. PRESSURE TREATED 2"X4" BLOCKING
25. SMOOTH TROWELED SYNTHETIC STUCCO
26. CONCRETE STEM WALL, SEE STRUCTURAL
27. DOOR, SEE DOOR SCHEDULE
28. CERAMIC TILE, SEE SPEC'S
29. MORTAR BED
30. 4 1/2" X 2" ALUM. STOREFRONT SYSTEM
31. BREAK METAL CLOSURE
32. 4" X 4" ALUMINUM MULLION
33. ENTRY MUD MAT, SEE SPEC'S
34. CONCRETE SLAB, SEE STRUCTURAL
35. ENTRY MUD MAT FRAME, SEE SPEC'S
36. THRESHOLD, SEE HARDWARE SCHEDULE
37. 1" PERIMETER INSULATION, SEE SPEC'S
38. 1/2" PRE MOLDED JOINT FILLER
39. DOWEL @ 24" O.C.
40. 3/4" RESILIENT FURRING CHANNEL @ 16" O.C.
41. SOUND ATTENUATING BATT INSULATION, SEE SPEC'S
42. INSTALL NEW LAYER OF 5/8" TYPE 'X' GYP BOARD OVER EXISTING LAYER TO EXTENT SHOWN.
43. REMOVE EXISITNG GYP BOARD AND INSTALL 2 NEW 6" X 18 GA. STUDS AT LOCATION OF NEW WINDOW FRAME.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
7.25.02
REGISTERED ARCHITECT

NO.	DATE	REVISIONS/REMARKS	BY
1	07/23/02	PLAN CHECK AND AGENCY REVISIONS	
2			
3			
4			
5			

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

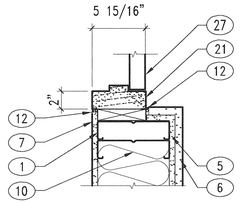
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

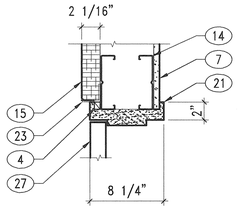
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER
Last Design Update: MO./DAY/YR. MO./DAY/YR.

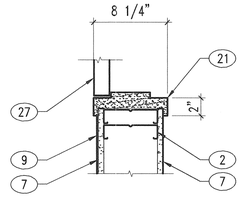
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 33 Of 49
A604



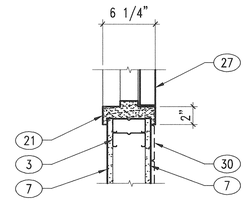
20 H.M. FRAME
1 1/2"=1'-0"



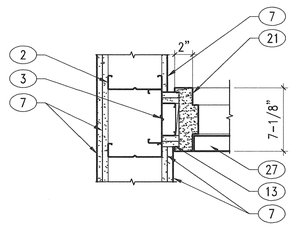
19 H.M. FRAME
1 1/2"=1'-0"



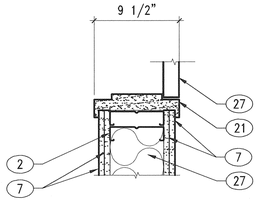
18 H.M. FRAME
1 1/2"=1'-0"



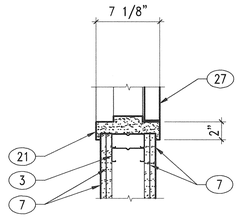
17 H.M. FRAME
1 1/2"=1'-0"



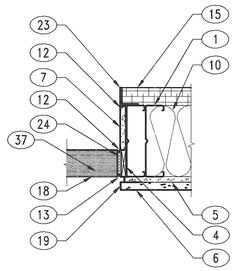
16 H.M. FRAME
1 1/2"=1'-0"



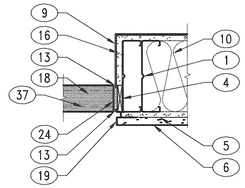
15 2 HR H. M. FRAME
1 1/2"=1'-0"



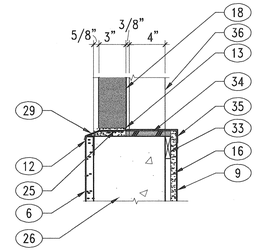
14 2 HR. H.M. FRAME
1 1/2"=1'-0"



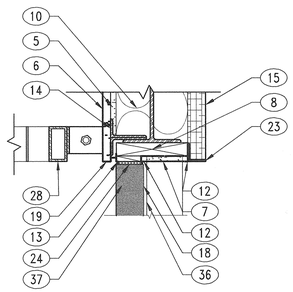
13 GLASS BLOCK JAMB
1 1/2"=1'-0"



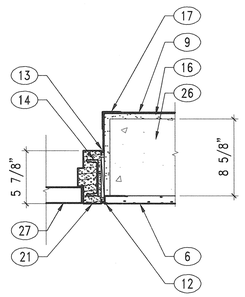
12 GLASS BLOCK JAMB
1 1/2"=1'-0"



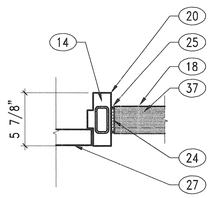
11 GLASS BLOCK SILL
1 1/2"=1'-0"



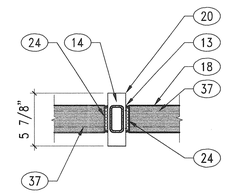
10 GLASS BLOCK HEAD
1 1/2"=1'-0"



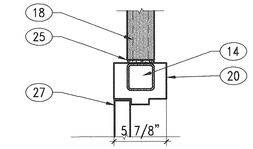
9 CONCRETE JAMB @ H.M. FRAME
1 1/2"=1'-0"



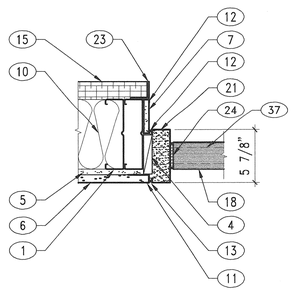
8 GLASS BLOCK JAMB @ H.M. FRAME
1 1/2"=1'-0"



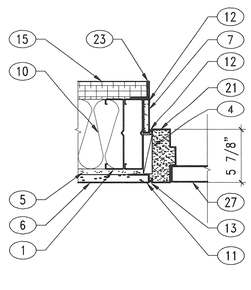
7 GLASS BLOCK @ H.M. TRANSOM
1 1/2"=1'-0"



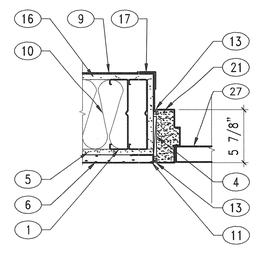
6 GLASS BLOCK SILL @ H.M. FRAME
1 1/2"=1'-0"



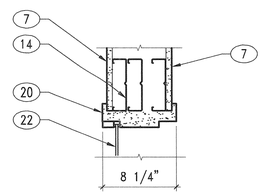
5 GLASS BLOCK @ H.M. TRANSOM
1 1/2"=1'-0"



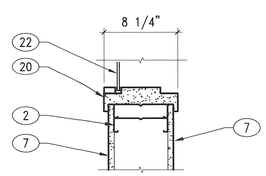
4 H.M. FRAME
1 1/2"=1'-0"



3 H.M. FRAME
1 1/2"=1'-0"



2 H. M. FRAME
1 1/2"=1'-0"



1 H. M. FRAME
1 1/2"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 8" STEEL STUD, SEE STRUCTURAL
2. 6" STEEL STUD, SEE STRUCTURAL
3. 3-5/8" STEEL STUD
4. WOOD SHIM
5. 5/8" GYP. SHEATHING WITH 30 LB FELT VAPOR BARRIER
6. 3 COAT CEMENT PLASTER
7. 5/8" TYPE X GYP. BOARD
8. CONTINUOUS SOLID BLOCKING, SEE SPEC'S
9. SYTHETIC STUCCO BEADED COLOR COAT, SEE INTERIOR ELEVATIONS AND SPEC'S
10. BATT INSULATION, SEE SPEC'S
11. CONTINUOUS METAL EDGE BEAD
12. CONTINUOUS METAL EDGE BEAD & SEALANT BEAD
13. CONTINUOUS SEALANT BEAD & BACKER ROD
14. STRUCTURAL STEEL, SEE STRUCTURAL
15. TECTUM PANEL
16. ABUSE RESISTANT FIBER REINFORCED GYP BOARD
17. CORNER GUARD
18. 8"X8"X3" SOLID GLASS BLOCK
19. FRY REGLET B.1 DS 875-875 CONTINUOUS EXTRUDED ALUMINUM DRIP REVEAL.
20. HOLLOW METAL FRAME
21. HOLLOW METAL FRAME, GROUT SOLID
22. GLAZING, SEE GLAZING SCHEDULE
23. 2"X2"X1/8" ALUMINUM ANGLE
24. EXPANTION MATERIAL
25. GROUT, SEE SPEC'S
26. CONCRETE STEM WALL, SEE STRUCTURAL
27. DOOR, SEE DOOR SCHEDULE
28. METAL AWNING, SEE STRUCTURAL
29. CONTINUOUS 24 GA GSM FLASHING
30. TILE IN TOILET ROOMS, SEE INTERIOR ELEVATIONS
31. RUBBER ATHLETIC FLOORING
32. SOUND ATTENUATING BATTS, SEE SPEC'S
33. 5/8" x 2 1/2" WOOD FURING STRIPS @ 16"o.c.
34. CONTINUOUS 5/8" PLYWOOD BLOCKING FASTEN TO STEM WALL
35. 1/8" ALUM. BENT PLATE. FASTEN W/ COUNTERSUNK SCREWS & GLUE @16"o.c. ALIGN JOINTS WITH COLUMNS AND BLOCK PARTITIONS
36. 2"X4" STEEL TUBE BEYOND. SEE STRUCTURAL. PAINT. SEE DETAIL 20/A603.
37. PANEL ANCHOR, 16" O.C. AT GLASS BLOCK HEAD AND JAMB AS INDICATED. INSTALL IN COURSES WITH REINFORCING. SEE DETAIL 15/A603.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

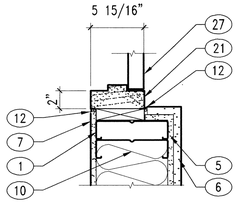
Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

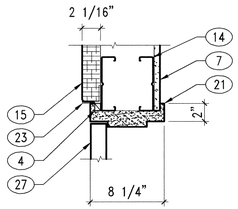
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

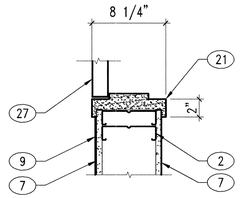
City Project No. 5751.92
Zone Map No. L-21-Z
Sheet 34 Of 49
A605



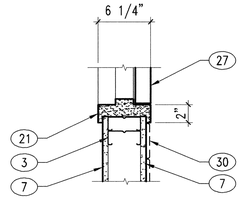
20 H.M. FRAME
1 1/2"=1'-0"



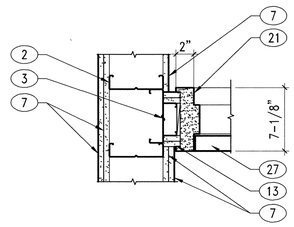
19 H.M. FRAME
1 1/2"=1'-0"



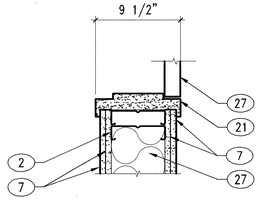
18 H.M. FRAME
1 1/2"=1'-0"



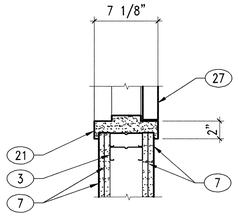
17 H.M. FRAME
1 1/2"=1'-0"



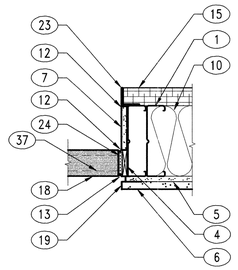
16 H.M. FRAME
1 1/2"=1'-0"



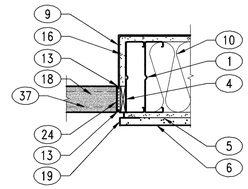
15 2 HR H. M. FRAME
1 1/2"=1'-0"



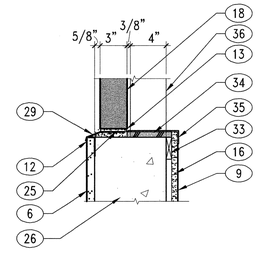
14 2 HR. H.M. FRAME
1 1/2"=1'-0"



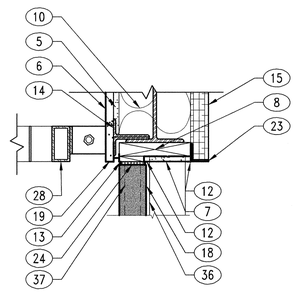
13 GLASS BLOCK JAMB
1 1/2"=1'-0"



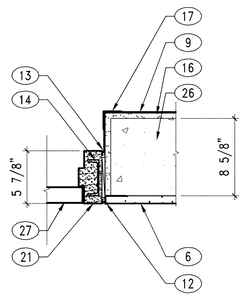
12 GLASS BLOCK JAMB
1 1/2"=1'-0"



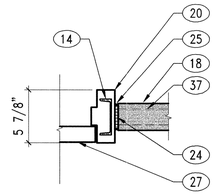
11 GLASS BLOCK SILL
1 1/2"=1'-0"



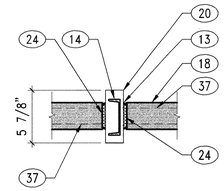
10 GLASS BLOCK HEAD
1 1/2"=1'-0"



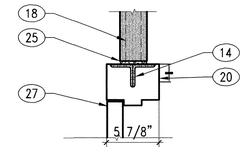
9 CONCRETE JAMB @ H.M. FRAME
1 1/2"=1'-0"



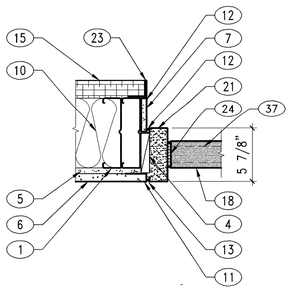
8 GLASS BLOCK JAMB @ H.M. FRAME
1 1/2"=1'-0"



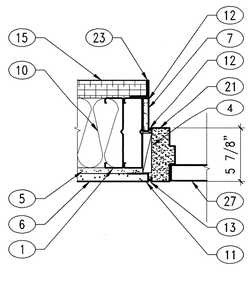
7 GLASS BLOCK @ H.M. TRANSOM
1 1/2"=1'-0"



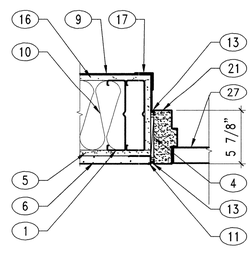
6 GLASS BLOCK SILL @ H.M. FRAME
1 1/2"=1'-0"



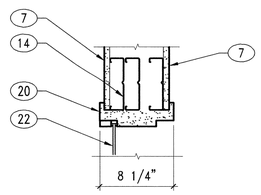
5 GLASS BLOCK @ H.M. TRANSOM
1 1/2"=1'-0"



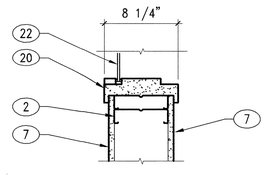
4 H.M. FRAME
1 1/2"=1'-0"



3 H.M. FRAME
1 1/2"=1'-0"



2 H. M. FRAME
1 1/2"=1'-0"



1 H. M. FRAME
1 1/2"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 8" STEEL STUD, SEE STRUCTURAL
2. 6" STEEL STUD, SEE STRUCTURAL
3. 3-5/8" STEEL STUD
4. WOOD SHIM
5. 5/8" GYP. SHEATHING WITH 30 LB FELT VAPOR BARRIER
6. 3 COAT CEMENT PLASTER
7. 5/8" TYPE X GYP. BOARD
8. CONTINUOUS SOLID BLOCKING, SEE SPEC'S
9. SYTHETIC STUCCO BEADED COLOR COAT, SEE INTERIOR ELEVATIONS AND SPEC'S
10. BATT INSULATION, SEE SPEC'S
11. CONTINUOUS METAL EDGE BEAD
12. CONTINUOUS METAL EDGE BEAD & SEALANT BEAD
13. CONTINUOUS SEALANT BEAD & BACKER ROD
14. STRUCTURAL STEEL, SEE STRUCTURAL
15. TECTUM PANEL
16. ABUSE RESISTANT FIBER REINFORCED GYP BOARD
17. CORNER GUARD
18. 8"X8"X3" SOLID GLASS BLOCK
19. FRY REGLET B.1 DS 875-875 CONTINUOUS EXTRUDED ALUMINUM DRIP REVEAL.
20. HOLLOW METAL FRAME
21. HOLLOW METAL FRAME, GROUT SOLID
22. GLAZING, SEE GLAZING SCHEDULE
23. 2"X2"X1/8" ALUMINUM ANGLE
24. EXPANTION MATERIAL
25. GROUT, SEE SPEC'S
26. CONCRETE STEM WALL, SEE STRUCTURAL
27. DOOR, SEE DOOR SCHEDULE
28. METAL AWNING, SEE STRUCTURAL
29. CONTINUOUS 24 GA GSM FLASHING
30. TILE IN TOILET ROOMS, SEE INTERIOR ELEVATIONS
31. RUBBER ATHLETIC FLOORING
32. SOUND ATTENUATING BATTS, SEE SPEC'S
33. 5/8" x 2 1/2" WOOD FURING STRIPS @ 16"o.c.
34. CONTINUOUS 5/8" PLYWOOD BLOCKING FASTEN TO STEM WALL
35. 1/8" ALUM. BENT PLATE. FASTEN W/ COUNTERSUNK SCREWS & GLUE @16"o.c. ALIGN JOINTS WITH COLUMNS AND BLOCK PARTITIONS
36. 2"X4" STEEL TUBE BEYOND. SEE STRUCTURAL. PAINT. SEE DETAIL 20/A603.
37. PANEL ANCHOR, 16" O.C. AT GLASS BLOCK HEAD AND JAMB AS INDICATED. INSTALL IN COURSES WITH REINFORCING. SEE DETAIL 15/A603.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECT'S STAMP
STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
7-25-02
REGISTERED ARCHITECT

NO.	DATE	REVISIONS/REMARKS	BY
1	07/22/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

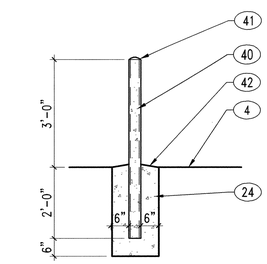
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

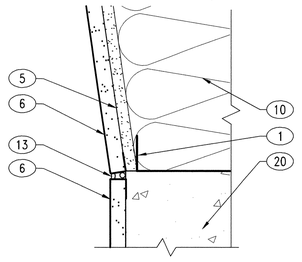
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

Design Review Committee: APPROVED AUG 1 2002 REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY
Last Design Update: MO./DAY/YR. MO./DAY/YR.

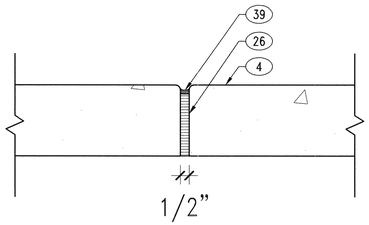
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 34 Of 49
A605



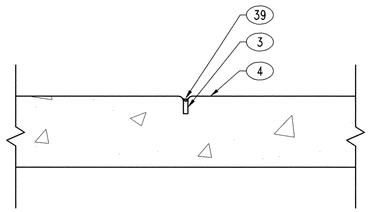
20 BOLLARD
1 1/2"=1'-0"



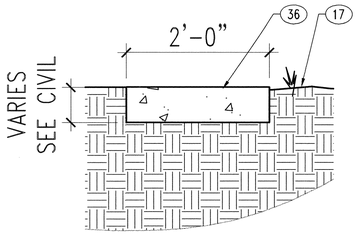
19 EXTERIOR STUCCO JOINT
3"=1'-0"



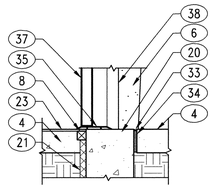
18 EXPANSION JOINT
3"=1'-0"



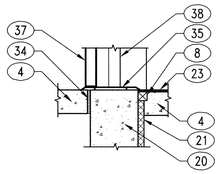
17 CONTROL JOINT
3"=1'-0"



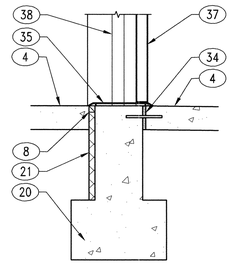
16 CONCRETE MOW STRIP
1 1/2"=1'-0"



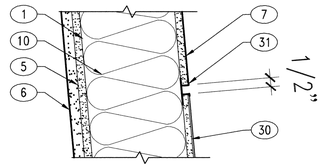
15 THERSHOLD @ DOOR 101B
1 1/2"=1'-0"



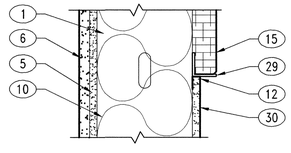
14 THRESHOLD @ DOOR 101A
1 1/2"=1'-0"



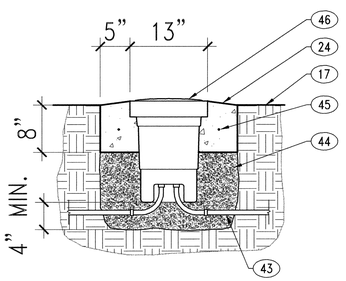
13 THRESHOLD @ DOOR 108
1 1/2"=1'-0"



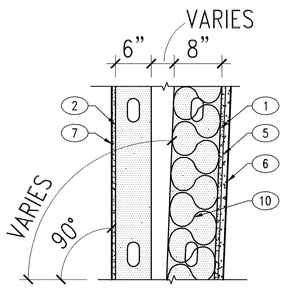
12 WAINSCOT
3"=1'-0"



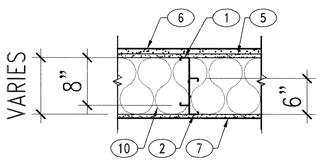
11 WAINSCOT
3"=1'-0"



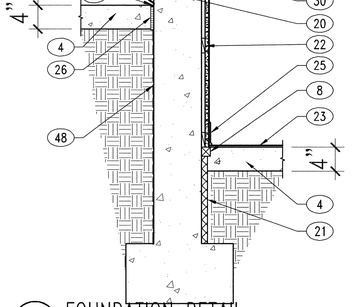
10 GROUND-MOUNTED LIGHT
1"=1'-0"



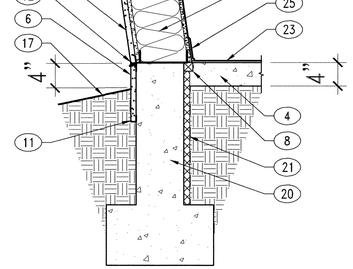
9 FRAMING @ STORAGE 102
1 1/2"=1'-0"



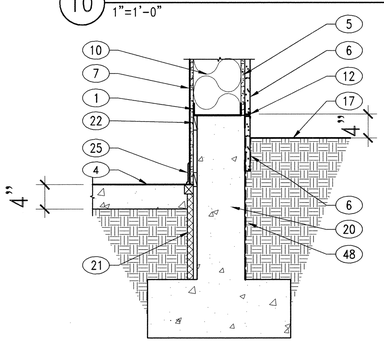
8 FRAMING @ STORAGE 102
1 1/2"=1'-0"



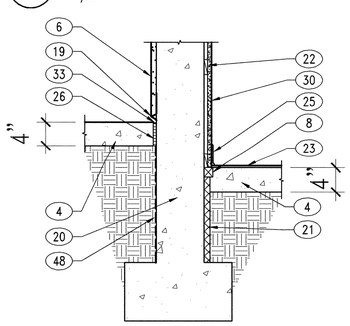
12 FOUNDATION DETAIL
3"=1'-0"



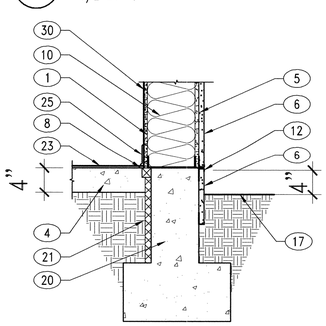
6 FOUNDATION DETAIL
1"=1'-0"



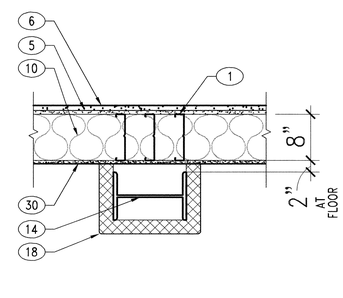
5 FOUNDATION DETAIL
1"=1'-0"



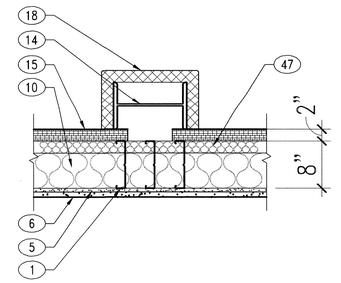
4 FOUNDATION DETAIL
1"=1'-0"



3 FOUNDATION DETAIL
1"=1'-0"



2 COLUMN DETAIL
1"=1'-0"



1 COLUMN DETAIL ABOVE GLASS BLOCK
1"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. 8" STEEL STUD, SEE STRUCTURAL
2. 6" STEEL STUD, SEE STRUCTURAL
3. 1/4" WIDE X 1" DEEP TOOLED JOINT WITH 1/4" RADIUS ON EDGES @ 8'-0" O.C. UNLESS OTHER WISE NOTED
4. CONCRETE SLAB
5. 5/8" GYP. SHEATHING W/ 30 LB FELT VAPOR BARRIER
6. 3 COAT CEMENT PLASTER, SEE SPEC'S
7. 5/8" ABUSE RESISTANT GYP BOARD, SEE SPEC'S
8. CONTINUOUS SOLID BLOCKING, SEE SPEC'S
9. SYTHETIC STUCCO BEADED COLOR COAT
10. BATT INSULATION, SEE SPEC'S
11. CONTINUOUS METAL EDGE BEAD
12. CONTINUOUS METAL EDGE BEAD & SEALANT BEAD
13. CONTINUOUS SEALANT BEAD & BACKER ROD
14. STRUCTURAL STEEL, SEE STRUCTURAL
15. ACOUSTICAL WALL PANELS
16. STUCCO JOINT, SEE DETAIL 19/A606
17. GRADE
18. COLUMN PADDING, SEE SPEC'S.
19. WEEP SCREED
20. CONCRETE FOUNDATION, SEE STRUCTURAL
21. RIGID 1" INSULATION, SEE SPEC'S
22. 5/8" X 2 1/2" WOOD FURRING @ 16" o.c.
23. RUBBER SPORTS FLOORING, SEE SPEC'S
24. CONCRETE FOOTING
25. RUBBER BASE
26. 1/2" EXPANSION MATERIAL. SEE SPEC'S
27. NOT USED
28. NOT USED
29. 2" X 2" X 1/8" ALUM. ANGLE
30. 5/8" ABUSE RESISTANT GYP BOARD W/BEADED STUCCO COAT, SEE SPEC'S.
31. ALUM. REGLET WITH 1/2" REVEAL.
32. BACKER ROD.
33. URATHANE SEALANT, SEE SPEC'S.
34. 1/2" BITUMINOUS JOINT MATERIAL.
35. THRESHOLD, SEE HARDWARE SCHEDULE.
36. CONCRETE MOW STRIP.
37. DOOR, SEE DOOR SCHEDULE.
38. HOLLOW METAL FRAME.
39. CONTINUOUS POLYURATHANE SEALANT, SEE SPEC'S.
40. 6" DIA. STEEL PIPE BOLLARD, CONCRETE FILLED.
41. CROWNED TOP.
42. SLOPE TO DRAIN AWAY FROM BOLLARD.
43. CONDUIT, SEE ELECTRICAL.
44. COMPACT GRAVEL, SEE SPEC'S.
45. #3 BAR BENT IN CIRCLE & CENTERED IN FOOTING
46. SITE LIGHT, SEE ELECTRICAL.
47. UNFACED BATT INSULATION BEHIND ACOUSTICAL PANELS, SEE SPEC'S.
48. BELOW-GRADE MEMBRANE WATER PROOFING AND PROTECTION BOARD. SEE SPEC'S.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT

NO.	DATE	REVISIONS/REMARKS	BY
1	07/23/02	PLAN CHECK AND DRC REVISIONS	

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Details

Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY

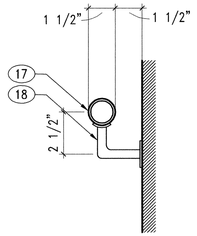
Last Design Update: MO./DAY/YR. MO./DAY/YR.

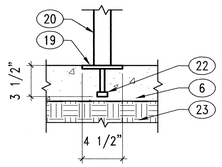
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 35 Of 49
A606

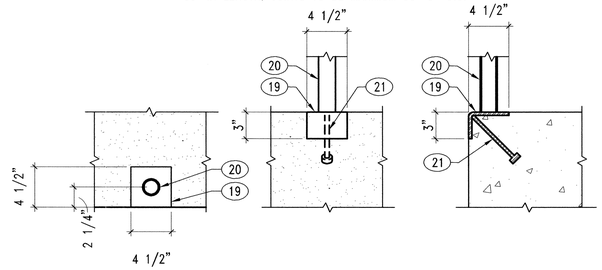
ROOM FINISH SCHEDULE

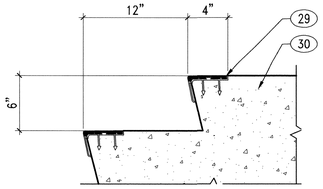
NO.	NAME	FLOOR						BASE			WALLS																								CEILING						REMARKS
											NORTH						EAST						SOUTH						WEST												
		RUBBER SPORTS FLOOR	CERAMIC TILE	COLORED CONCRETE W/SEALER	VCT			CERAMIC TILE	RUBBER BASE	–	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANEL	3 COAT STUCCO	WAINSCOT STO DECOCOAT	FRP TO 4'-0" AFF	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANEL	3 COAT STUCCO	WAINSCOT STO DECOCOAT	CORRUGATED METAL PANEL	FRP TO 4'-0" AFF	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANELS	3 COAT STUCCO	WAINSCOT STO DECOCOAT	FRP TO 4'-0" AFF	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANELS	3 COAT STUCCO	WAINSCOT STO DECOCOAT	FRP TO 4'-0" AFF	PAINTED GYP. BD.	ACOUSTIC DECK	SMOOTH SYN. STUCCO & VENEER PLASTER	3 COAT STUCCO	EXPOSED DECK/STRUCTURE	SUSPENDED ACOUSTICAL CEILING	CEILING HEIGHT	
		1	2	3	4			1	2	3	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
101	GYMNASIUM	1							2		1				5		1		3		5			1		3		5		1				5						5		±30'–0"	FIBER REINFORCED GYP. BD TO 16'–0" A.F.F.
102	STORAGE				4				2		1						1							1						1										5		±19'–9"	BOTTOM OF JOISTS
103	STORAGE				4				2		1						1							1						1						1						±13'–0"	
104	WOMENS		2					1				2						2							2						2						1					8'–8"	
105	MENS		2					1				2						2							2						2						1					8'–8"	
106	OFFICE			3					2		1						1							1						1						1					8'–0"	
107	FOYER			3										4			1					6		1			4										3				11'–10"	
108	ELECTRICAL		2	3					2		1						1							1						1						1					10'–0"	
109	JANITORS			3					2		1				6		1						7	1					6	1					6	1						10'–0"	
110	UNISEX CHANGING		2					1				2						2							2						2						3					8'–8"	

PROVIDE VERTICAL JOINTS IN GYP BD WALLS OVER 30' IN LENGTH, JOINTS TO BE MAXIMUM 30'–0" O.C.

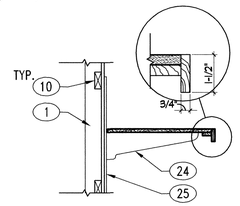


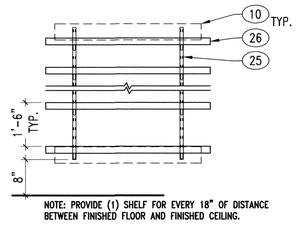






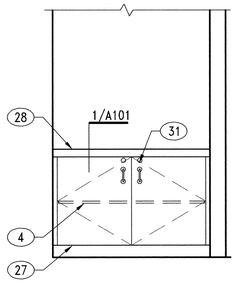
12 CONCRETE STAIR
1 1/2"=1'-0"



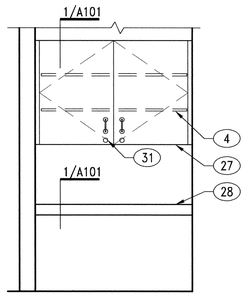


NOTE: PROVIDE (1) SHELF FOR EVERY 18" OF DISTANCE BETWEEN FINISHED FLOOR AND FINISHED CEILING.

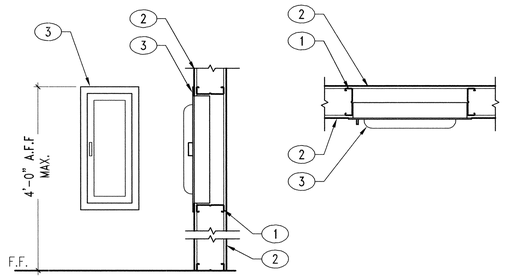
11 HANDRAIL AT RAMP
3"=1'-0"



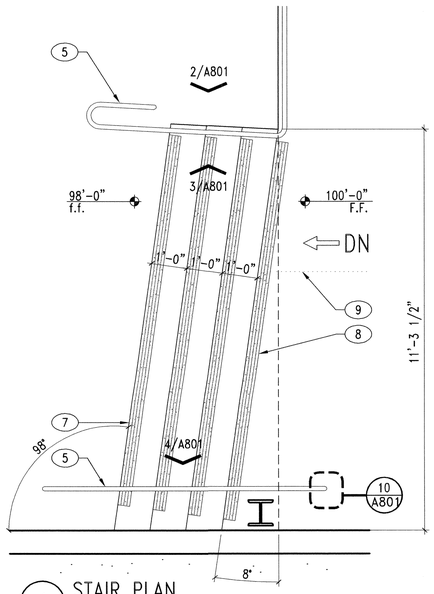
10 RAILING BASE @ STAIRS
1-1/2"=1'-0"



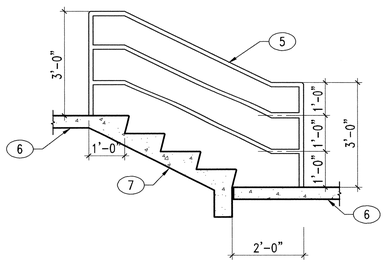
9 RAILING BASE @ RAMP
1-1/2"=1'-0"



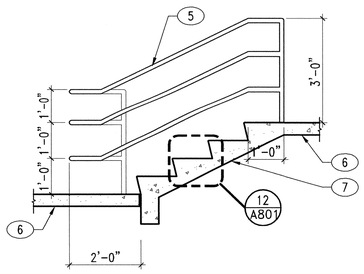
8 STORAGE SHELVING
3/4"=1'-0"



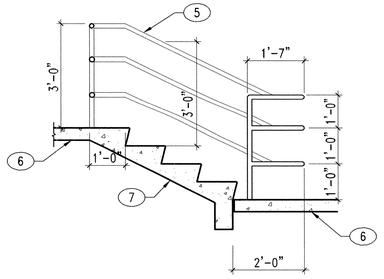
7 CASEWORK
3/4"=1'-0"



6 CASEWORK
3/4"=1'-0"



5 FIRE EXTINGUISHER CABINET
3/4"=1'-0"



4 RAILING ELEVATION
1/2"=1'-0"

3 RAILING ELEVATION
1/2"=1'-0"

2 RAILING ELEVATION
1/2"=1'-0"

1 STAIR PLAN
1/2"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. STEEL STUD, SEE PARTITION SCHEDULE & SHEET A101
2. 5/8" TYPE X GYP. BD.
3. FIRE EXTINGUISHER CABINET, SEE SPEC'S
4. SHELF WITH P-LAM SURFACE
5. 1 1/2" O.D. HANDRAIL AND HORIZONTAL RAILS, WELD AND GRIND SMOOTH
6. CONCRETE FLOOR SLAB, SEE STRUCTURAL
7. CONCRETE STAIRS, SEE STRUCTURAL
8. STAIR TREAD NOSING, SEE DETAIL 10/A606
9. CONTROL JOINT, SEE 1/A411
10. BLOCKING
11. HARDWOOD EDGE
12. 6" STEEL STUD, SEE STRUCTURAL
13. 5/8" MDF
14. 1/8" P LAM.
15. 3" X 2" STEEL ANGLE, SEE STRUCTURAL
16. 3/4" PLYWOOD BLOCKING
17. 1-1/2" O.D. STEEL PIPE RAIL, ALL-WELD CONSTRUCTION
18. HANDRAIL BRACKETS PROVIDE 1-1/2" CLEAR BETWEEN WALL AND HANDRAIL, TYP.
19. 4-1/2" X 4-1/2" X 3" STEEL ANGLE
20. 1-1/2" O.D. STEEL PIPE RAILING POST, WELD TO STEEL ANGLE AND GRIND SMOOTH
21. 1/2" x 6" HEADED ANCHOR STUD
22. 1/2" x 3" HEADED ANCHOR STUD
23. SUB SLAB ENGINEERED FILL, SEE CIVIL
24. HEAVY DUTY STEEL BRACKETS, SEE SPEC'S.
25. HEAVY DUTY STEEL STANDARDS, SEE SPEC'S
26. SHELF OF 3/4" MDF WITH P-LAM SURFACE, AND HARDWOOD FACE TRIM
27. CABINETS, SEE SPEC'S
28. COUNTERTOP WITH P-LAM SURFACE OVER 3/4" MDF AND HARDWOOD NOSING
29. 4" ALUM. NON-SLIP TREAD NOSING, SEE SPEC'S
30. CONCRETE STAIR
31. CABINET LOCKS TYP.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Room Finish Schedule & Details

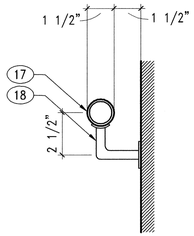
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

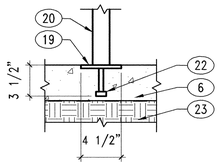
City Project No. 5751.92 | Zone Map No. L-21-Z | Sheet 36 Of 49 | A801

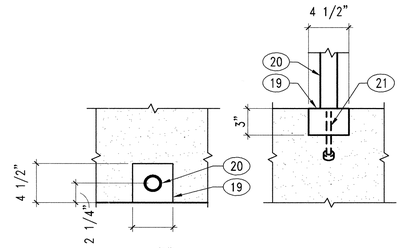
ROOM FINISH SCHEDULE

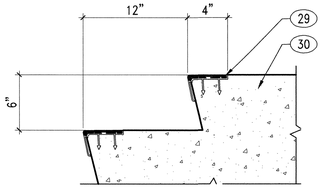
NO.	NAME	FLOOR						BASE			WALLS																						CEILING						REMARKS
											NORTH						EAST						SOUTH						WEST											
		RUBBER SPORTS FLOOR	CERAMIC TILE	COLORED CONCRETE W/SEALER	VCT			CERAMIC TILE	RUBBER BASE	—	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANEL	3 COAT STUCCO	WAINSCOT STO DECOCOAT	FRP TO 4'-0" AFF	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANEL	3 COAT STUCCO	WAINSCOT STO DECOCOAT	CORRUGATED METAL PANEL	FRP TO 4'-0" AFF	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANELS	3 COAT STUCCO	WAINSCOT STO DECOCOAT	FRP TO 4'-0" AFF	PAINTED TYPE X GYP. BD.	CERAMIC TILE	TECTUM PANELS	3 COAT STUCCO	WAINSCOT STO DECOCOAT	FRP TO 4'-0" AFF	PAINTED GYP. BD.	ACOUSTIC DECK	SMOOTH SYN. STUCCO & VENEER PLASTER	3 COAT STUCCO	EXPOSED DECK/STRUCTURE	SUSPENDED ACOUSTICAL CEILING	CEILING HEIGHT	
		1	2	3	4			1	2	3	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
101	GYMNASIUM	1							2		1				5		1		3		5			1		3		5		1				5						5		±30'-0"	FIBER REINFORCED GYP. BD TO 16'-0" A.F.F.
102	STORAGE				4				2		1						1							1						1										5		±19'-9"	BOTTOM OF JOISTS
103	STORAGE				4				2		1						1							1						1										5		±13'-0"	
104	WOMENS		2					1				2						2							2						2						1						8'-8"	
105	MENS		2					1				2						2							2						2						1						8'-8"	
106	OFFICE			3					2		1						1							1						1										6		8'-0"	
107	FOYER			3							1			4			1				6			1			4			1								3					12'-0"	
108	ELECTRICAL		2	3					2		1						1							1						1						1						10'-0"	
109	JANITORS			3					2		1					6	1					7		1					6	1					6	1						10'-0"	
110	UNISEX CHANGING		2					1				2						2							2						2							3					8'-8"	

PROVIDE VERTICAL JOINTS IN GYP BD WALLS OVER 30' IN LENGTH, JOINTS TO BE MAXIMUM 30'-0" O.C.

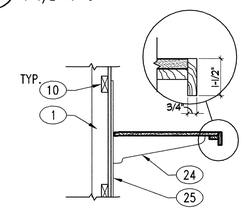


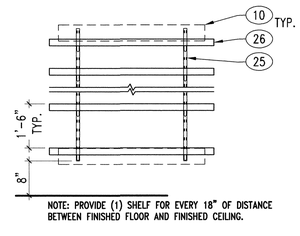






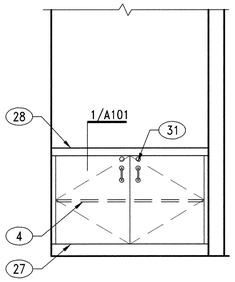
12 CONCRETE STAIR
1 1/2"=1'-0"



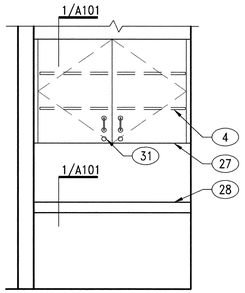


NOTE: PROVIDE (1) SHELF FOR EVERY 18" OF DISTANCE BETWEEN FINISHED FLOOR AND FINISHED CEILING.

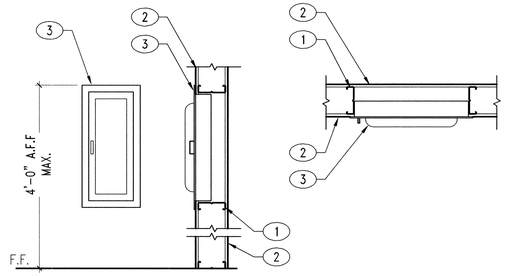
11 HANDRAIL AT RAMP
3"=1'-0"



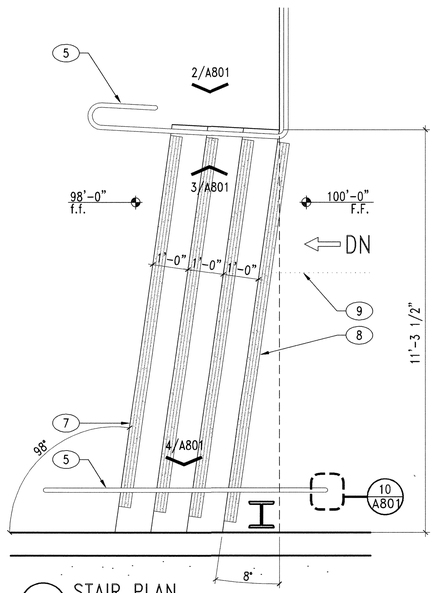
10 RAILING BASE @ STAIRS
1-1/2"=1'-0"



9 RAILING BASE @ RAMP
1-1/2"=1'-0"



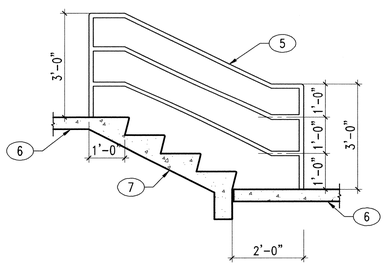
8 STORAGE SHELVING
3/4"=1'-0"



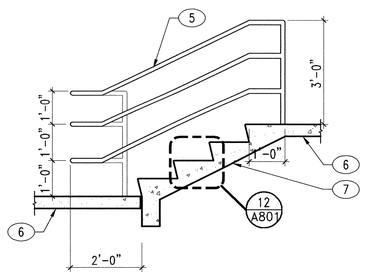
7 CASEWORK
3/4"=1'-0"

6 CASEWORK
3/4"=1'-0"

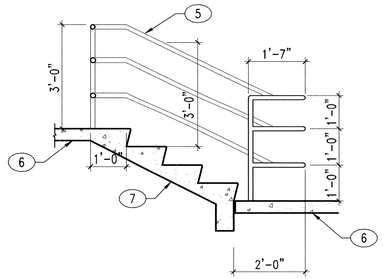
5 FIRE EXTINGUISHER CABINET
3/4"=1'-0"



4 RAILING ELEVATION
1/2"=1'-0"



3 RAILING ELEVATION
1/2"=1'-0"



2 RAILING ELEVATION
1/2"=1'-0"

1 STAIR PLAN
1/2"=1'-0"

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1. STEEL STUD, SEE PARTITION SCHEDULE & SHEET A101
2. 5/8" TYPE X GYP. BD.
3. FIRE EXTINGUISHER CABINET, SEE SPEC'S
4. SHELF WITH P-LAM SURFACE
5. 1 1/2" O.D. HANDRAIL AND HORIZONTAL RAILS, WELD AND GRIND SMOOTH
6. CONCRETE FLOOR SLAB, SEE STRUCTURAL
7. CONCRETE STAIRS, SEE STRUCTURAL
8. STAIR TREAD NOSING, SEE DETAIL 10/A606
9. CONTROL JOINT, SEE 1/A411
10. BLOCKING
11. HARDWOOD EDGE
12. 6" STEEL STUD, SEE STRUCTURAL
13. 5/8" MDF
14. 1/8" P LAM.
15. 3" X 2" STEEL ANGLE, SEE STRUCTURAL
16. 3/4" PLYWOOD BLOCKING
17. 1-1/2" O.D. STEEL PIPE RAIL, ALL-WELD CONSTRUCTION
18. HANDRAIL BRACKETS PROVIDE 1-1/2" CLEAR BETWEEN WALL AND HANDRAIL, TYP.
19. 4-1/2" X 4-1/2" X 3" STEEL ANGLE
20. 1-1/2" O.D. STEEL PIPE RAILING POST, WELD TO STEEL ANGLE AND GRIND SMOOTH
21. 1/2" x 6" HEADED ANCHOR STUD
22. 1/2" x 3" HEADED ANCHOR STUD
23. SUB SLAB ENGINEERED FILL, SEE CIVIL
24. HEAVY DUTY STEEL BRACKETS, SEE SPEC'S.
25. HEAVY DUTY STEEL STANDARDS, SEE SPEC'S
26. SHELF OF 3/4" MDF WITH P-LAM SURFACE, AND HARDWOOD FACE TRIM
27. CABINETS, SEE SPEC'S
28. COUNTERTOP WITH P-LAM SURFACE OVER 3/4" MDF AND HARDWOOD NOSING
29. 4" ALUM. NON-SLIP TREAD NOSING, SEE SPEC'S
30. CONCRETE STAIR
31. CABINET LOCKS TYP.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:
MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

ARCHITECT'S STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.25.02

NO.	DATE	REVISIONS/REMARKS	BY
1	7/22/02	PLAN CHECK AND DRC REVISIONS	
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Room Finish Schedule & Details

Design Review Committee	City Engineer Approval	Last Design Update	MO/DAY/YR.	MO/DAY/YR.
APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 36 Of 49 | A801

DOOR SCHEDULE

DOOR								FRAME								H.W. SET	REMARKS	DOOR SIGN	
		SIZE										DETAILS						TYPE	TEXT
NUMBER	PAIR	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	FINISH	MATERIAL	TYPE	FINISH	DEPTH	HEAD	LEFT JAMB	RIGHT JAMB	THRESHOLD	FIRE RATING			
101A	Y	3'-0"	7'-0"	1 3/4"	H.M.	B	P	H.M.	B	P	6"	6/A605	3,4,5/A605	7,8,9/A605	14/A606	–	2	–	–
101B	N	3'-0"	7'-0"	1 3/4"	H.M.	B	P	H.M.	D	P	6"	18/A604	17/A604	17/A604	15/A606	–	1	–	–
102	N	4'-0"	12'-0"	1 3/4"	WOOD	A	P	H.M.	A	P	8 1/4"	19/A605	18&19/A605	18/A605	15/A606 SIM.		10	–	–
103	N	4'-0"	12'-0"	1 3/4"	WOOD	A	P	H.M.	A	P	8 1/4"	19/A605	18/A605	18/A605	15/A606 SIM.		10	–	–
104	N	3'-0"	7'-0"	1 3/4"	WOOD	B	P	H.M.	D	P	6 1/4"	17/A605	17/A605	17/A605	15/A604	–	8	D-2	WOMEN
105	N	3'-0"	7'-0"	1 3/4"	WOOD	B	P	H.M.	D	P	6 1/4"	17/A605	17/A605	17/A605	15/A604	–	8	D-2	MEN
106	N	3'-0"	7'-0"	1 3/4"	WOOD	D	S	H.M.	D	P	6 1/4"	17/A605	17/A605	17/A605	–	–	9	D-1	MEN/WOMEN W/C SHOWER
107A	Y	3'-0"	7'-0"	1 3/4"	ALUM	C	–	ALUM	SEE OPENING S			–	–	–	8/A604	–	4	–	–
107B	Y	3'-0"	7'-0"	1 3/4"	ALUM	C	–	ALUM	SEE OPENING S			–	–	–	–	–	5	D-1	GYMNASIUM*
107C	Y	3'-0"	7'-0"	1 3/4"	WOOD	E	–	H.M.	C	P	7 1/8"	14/A605	16/A605	14/A605	–	1.5 HR	6	NO MULLION-VISION LITE	–	–
108	N	3'-0"	7'-0"	1 3/4"	H.M.	B	P	H.M.	D	P	6"	16/A604	20/A605	20/A605	13/A606	–	3		–	ELECTRICAL/ NO STORAGE
109	N	3'-0"	7'-0"	1 3/4"	WOOD	B	P	H.M.	D	P	6 1/4"	17/A605	17/A605	–	–	–	7	REPLACE EXISTING	D-1	CUSTODIAN

NOTE: SIGN COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL SELECTION

* SEE KEY NOTE #4

WINDOW SCHEDULE

NO.	FRAME				REMARKS
WINDOW NUMBER	TYPE	MATERIAL	FINISH	FIRE RATING	
1	F	ALUM	COLOR # 1		
2	E	ALUM	COLOR # 1		
3			NOT USED		NOT USED
4	C	ALUM.	COLOR #1		SEE COLOR SCHEDULE
5	B	ALUM	COLOR # 1		
6	A	ALUM	COLOR # 1		
7	G	HM	PAINT		GLASS BLOCK, SEE COLOR SCHEDULE

HM HOLLOW METAL
MIN. MINIMUM
ALUM. ALUMINUM

COLOR # 1:
CLEAR ANODIZED ALUMINUM

GLAZING SCHEDULE

MARK	SINGLE	INSULATED		REMARKS
		INT. PANE	EXT. PANE	
G1		1/4" L	1/4" T	TINTED, SKYLIGHT GLAZING *
G2		1/4" L	1/4" T	TINTED, SEE SPECS
G3	1/4" T			
G4		1/4" L	1/4" T	TINTED, SEE SPECS
(M)	HORIZONTAL LOUVER BLINDS			

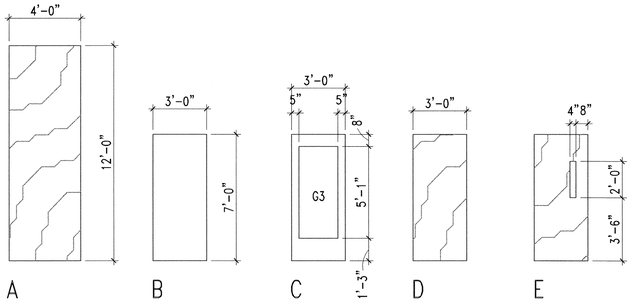
NOTES:
L = LAMINATED
T = TEMPERED GLASS
* SEE ROOF PLAN FOR EXTENT OF SKYLIGHT GLAZING & REFER TO SPEC. FOR MATERIALS.

GENERAL NOTES

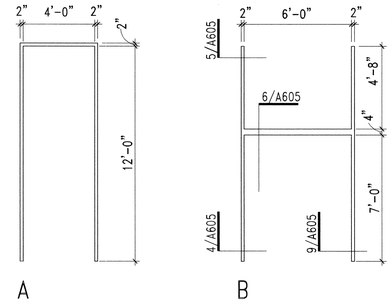
A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.
B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.
C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.
D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.
E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

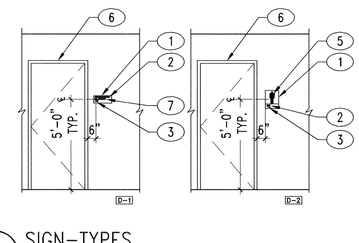
1 ACRYLIC SIGN.
2 1" RAISED (1/32" MIN.) LETTERS IN CONTRASTING COLOR.
3 GRADE 2 BRAILLE ROOM IDENTIFICATION.
4 PROVIDE MATCHING PANEL (NO TEXT) ON INSIDE FACE OF GLASS TO CONCEAL ADHESIVE.
5 STANDARD SYMBOL (PER U.S. DEPT. OF TRANSPORTATION) IN CONTRASTING COLOR.
6 DOOR FRAME.
7 SECOND LINE OF TEXT, "NO STORAGE" IN 3/4" RAISED LETTERS IN CONTRASTING COLOR 1/2" BELOW ROOM NAME.



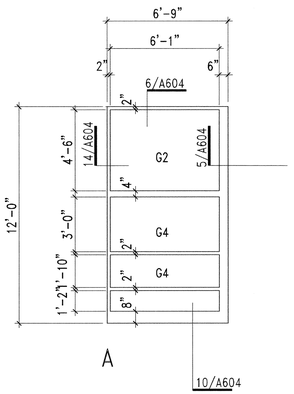
4 DOOR TYPES 1/4"=1'-0"

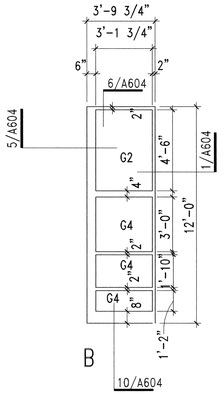


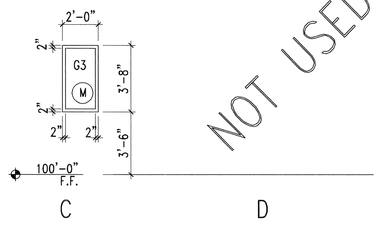
3 HOLLOW METAL FRAMES 1/4"=1'-0"

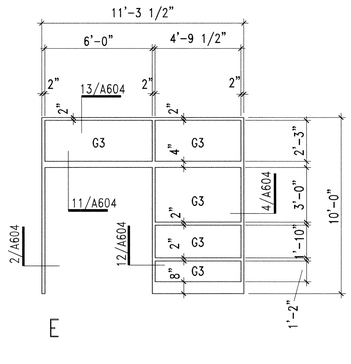


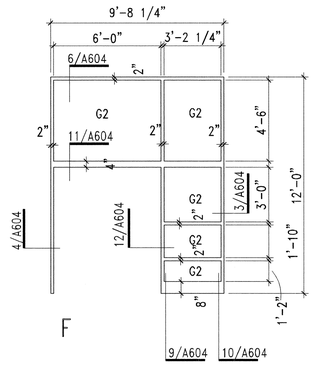
2 SIGN-TYPES 1/4"=1'-0" <DTL-TITLE.DWG>

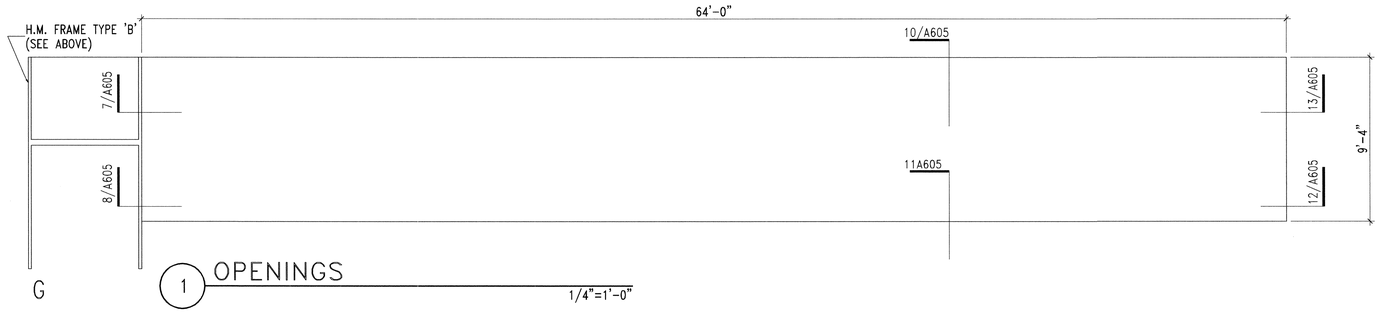












1 OPENINGS 1/4"=1'-0"

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMMISIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: SK	DATE: 7/22/02
		DRAWN BY: DF/JCS	DATE: 7/22/02
		CHECKED BY: PKH	DATE: 7/22/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Door & Window Schedules

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet 37 Of 49
5751.92	L-21-Z	A810

DOOR SCHEDULE

DOOR								FRAME										H.W. SET	REMARKS	DOOR SIGN	
		SIZE										DETAILS								TYPE	TEXT
NUMBER	PAIR	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	FINISH	MATERIAL	TYPE	FINISH	DEPTH	HEAD	LEFT JAMB	RIGHT JAMB	THRESHOLD	FIRE RATING					
101A	Y	3'-0"	7'-0"	1 3/4"	H.M.	B	P	H.M.	B	P	6"	6/A605	3,4,5/A605	7,8,9/A605	14/A606	–		2	–	–	–
101B	N	3'-0"	7'-0"	1 3/4"	H.M.	B	P	H.M.	D	P	6"	18/A604	17/A604	17/A604	15/A606	–		1	–	–	–
102	N	4'-0"	12'-0"	1 3/4"	WOOD	A	P	H.M.	A	P	8 1/4"	19/A605	18&19/A605	18/A605	15/A606	SIM.		10	–	–	–
103	N	4'-0"	12'-0"	1 3/4"	WOOD	A	P	H.M.	A	P	8 1/4"	19/A605	18/A605	18/A605	15/A606	SIM.		10	–	–	–
104	N	3'-0"	7'-0"	1 3/4"	WOOD	B	P	H.M.	D	P	6 1/4"	17/A605	17/A605	17/A605	15/A604	–		8	–	D-2	WOMEN
105	N	3'-0"	7'-0"	1 3/4"	WOOD	B	P	H.M.	D	P	6 1/4"	17/A605	17/A605	17/A605	15/A604	–		8	–	D-2	MEN
106	N	3'-0"	7'-0"	1 3/4"	WOOD	D	S	H.M.	D	P	6 1/4"	17/A605	17/A605	17/A605	–	–		9	–	D-1	MEN/WOMEN HC SHOWER
107A	Y	3'-0"	7'-0"	1 3/4"	ALUM	C	–	ALUM	SEE OPENING S			–	–	–	8/A604	–		4	–	–	–
107B	Y	3'-0"	7'-0"	1 3/4"	ALUM	C	–	ALUM	SEE OPENING S			–	–	–	–	–		5	–	D-1	GYMNASIUM*
107C	Y	3'-0"	7'-0"	1 3/4"	WOOD	E	–	H.M.	C	P	7 1/8"	14/A605	16/A605	14/A605	–	1.5 HR		6	NO MULLION–VISION LITE	–	–
108	N	3'-0"	7'-0"	1 3/4"	H.M.	B	P	H.M.	D	P	6"	16/A604	20/A605	20/A605	13/A606	–		3		–	ELECTRICAL/ NO STORAGE
109	N	3'-0"	7'-0"	1 3/4"	WOOD	B	P	H.M.	D	P	6 1/4"	17/A605	17/A605	–	–	–		7	REPLACE EXISTING	D-1	JANITOR

NOTE: SIGN COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL SELECTION

* SEE KEY NOTE #4

WINDOW SCHEDULE

NO.	FRAME				REMARKS
WINDOW NUMBER	TYPE	MATERIAL	FINISH	FIRE RATING	
1	F	ALUM	COLOR # 1		HM HOLLOW METAL MIN. MINIMUM ALUM. ALUMINUM COLOR # 1: CLEAR ANODIZED ALUMINUM
2	E	ALUM	COLOR # 1		
3			NOT USED		NOT USED
4	C	ALUM.	COLOR #1		SEE COLOR SCHEDULE
5	B	ALUM	COLOR # 1		
6	A	ALUM	COLOR # 1		
7	G	HM	PAINT		GLASS BLOCK, SEE COLOR SCHEDULE

GLAZING SCHEDULE

MARK	SINGLE	INSULATED		REMARKS
		INT. PANE	EXT. PANE	
G1		1/4" L	1/4" T	TINTED, SKYLIGHT GLAZING *
G2		1/4" L	1/4" T	TINTED, SEE SPECS
G3	1/4" T			
G4		1/4" L	1/4" T	TINTED, SEE SPECS
(M)	HORIZONTAL LOUVER BLINDS			

NOTES:

L = LAMINATED

T = TEMPERED GLASS

* SEE ROOF PLAN FOR EXTENT OF SKYLIGHT GLAZING & REFER TO SPEC. FOR MATERIALS.

GENERAL NOTES

A. CONTRACTOR TO COORDINATE ALL DRAWINGS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IN DRAWINGS OR FIELD CONDITIONS BEFORE PROCEEDING WITH WORK.

B. CONTRACTOR IS TO REFER TO DIMENSIONS AND IS NOT TO SCALE OFF DRAWINGS.

C. DIMENSIONS ARE TO FACE OF STUD OR FACE OF C.M.U, UNLESS NOTED OTHERWISE.

D. LARGER SCALE DETAILS ARE TO TAKE PRECEDENCE OVER SMALLER, TYP.

E. FOR ACCESSIBLE CLEARANCES SEE ENLARGED PLANS AND ELEVATIONS.

KEYED NOTES

1 ACRYLIC SIGN.

2 1" RAISED (1/32" MIN.) LETTERS IN CONTRASTING COLOR.

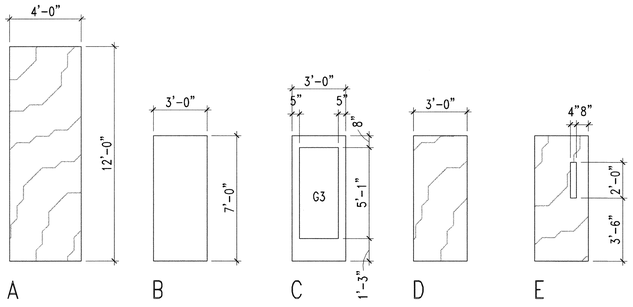
3 GRADE 2 BRAILLE ROOM IDENTIFICATION.

4 PROVIDE MATCHING PANEL (NO TEXT) ON INSIDE FACE OF GLASS TO CONCEAL ADHESIVE.

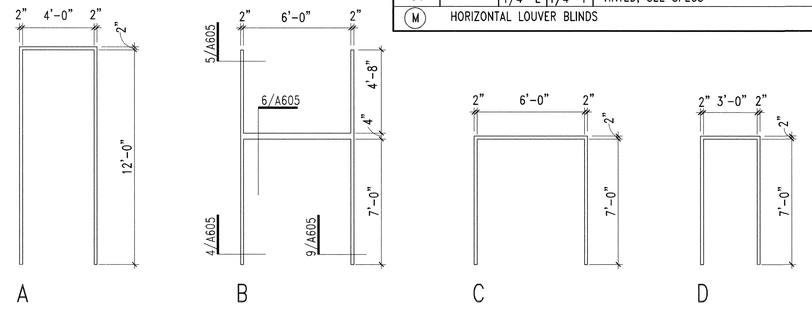
5 STANDARD SYMBOL (PER U.S. DEPT. OF TRANSPORTATION) IN CONTRASTING COLOR.

6 DOOR FRAME.

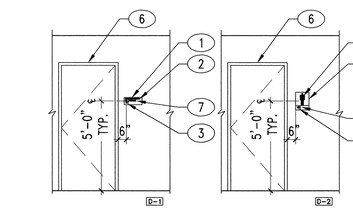
7 SECOND LINE OF TEXT, "NO STORAGE" IN 3/4" RAISED LETTERS IN CONTRASTING COLOR 1/2" BELOW ROOM NAME.



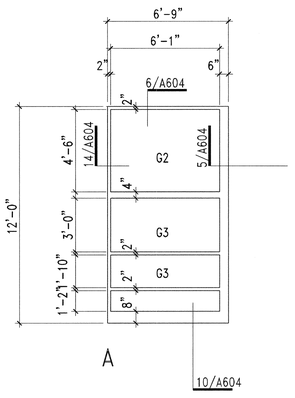
4 DOOR TYPES 1/4"=1'-0"

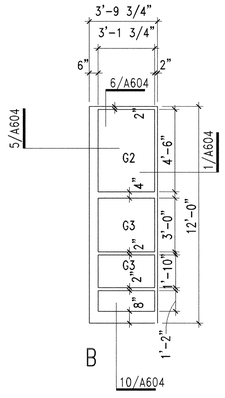


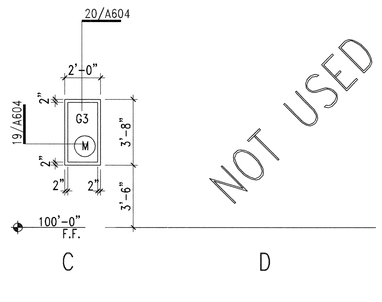
3 HOLLOW METAL FRAMES 1/4"=1'-0"

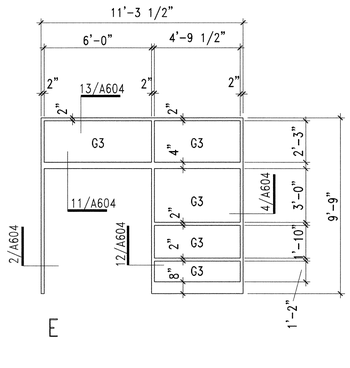


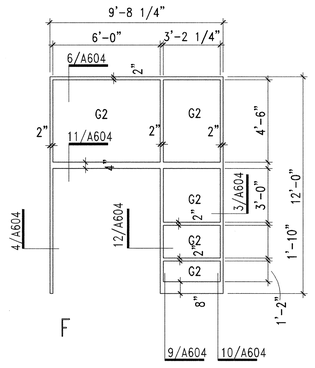
2 SIGN-TYPES 1/4"=1'-0" <DTL-TITLE.DWG>

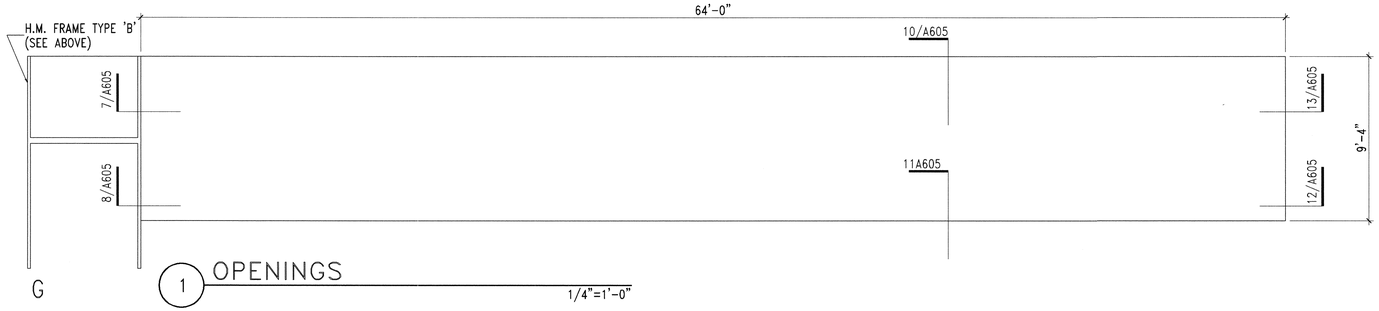












1 OPENINGS 1/4"=1'-0"

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

STATE OF NEW MEXICO
Jonathan S. Craig
No. 1599
REGISTERED ARCHITECT
7.22.02

PLAN CHECK AND DRC REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY
1	7/22/02		

DESIGNED BY: SK DATE: 7/22/02
DRAWN BY: DF/JCS DATE: 7/22/02
CHECKED BY: PKH DATE: 7/22/02

Kells + Craig Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

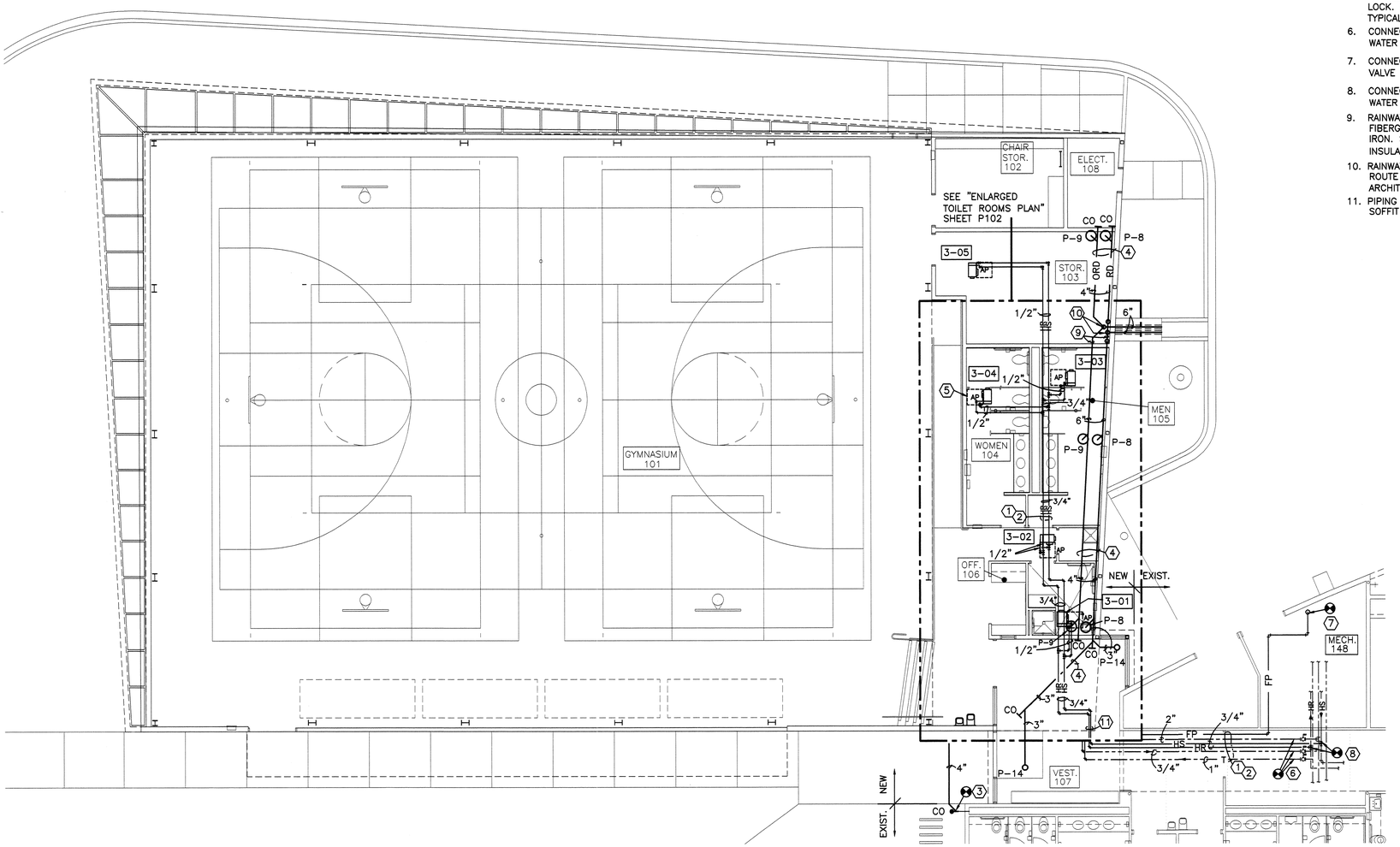
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
Door & Window Schedules

Design Review Committee: APPROVED AUG 1 - 2002 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 37 Of 49 | A810



1 GYMNASIUM PLUMBING PLAN

1/8"=1'-0"

NORTH

NOTES:

1. PIPE ABOVE CEILING.
2. SIZE PIPE HANGERS TO INCLUDE INSULATION. INSULATION TO BE CONTINUOUS AS SPECIFIED. TYPICAL.
3. CONNECT NEW SOIL PIPING TO EXISTING SOIL PIPING AT EXISTING CLEANOUT.
4. RAINWATER PIPING ABOVE CEILING IN PLENUM. INSULATE WITH 1/2" FIBERGLASS PIPE INSULATION WITH ASJ. PIPE TO BE CAST IRON. SLOPE TO DRAIN AT MINIMUM 1/8"
5. CEILING ACCESS PANEL TO BE INRYCO / MILCOR. MIN. SIZE 22"x22". FACTORY APPLIED BAKED ENAMEL FINISH. COLOR AS SELECTED BY ARCHITECT. CONCEALED HINGE. CYLINDER LOCK. LOCK REQUIRED IN ALL AREAS OF PUBLIC ACCESS. TYPICAL.
6. CONNECT NEW DOMESTIC WATER PIPING TO EXISTING DOMESTIC WATER PIPING AT EXISTING VALVES.
7. CONNECT NEW FIRE PROTECTION LINE TO EXISTING ALARM VALVE RISER.
8. CONNECT NEW HEATING WATER PIPING TO EXISTING HEATING WATER PIPING.
9. RAINWATER PIPING EXPOSED IN ROOM. INSULATE WITH 1/2" FIBERGLASS PIPE INSULATION WITH ASJ. PIPE TO BE CAST IRON. SLOPE TO DRAIN AT MINIMUM 1/8". FINISH INSULATION AS DIRECTED BY ARCHITECT.
10. RAINWATER PIPING DOWN ALONG AND SECURED TO WALL. ROUTE BELOW CONCRETE TO FACE OF OUTFLOW. SEE ARCHITECTURAL DRAWINGS.
11. PIPING MUST BE ROUTED BETWEEN C CHANNEL AND VERTICAL SOFFIT FRAMING.

RAINWATER PIPING SYSTEM NOTES:

- ALL RAINWATER PIPING SHALL BE CAST IRON.
- ABOVE GRADE PIPING MAY USE HUBLESS COUPLINGS.
- ALL ABOVE GRADE PIPING SHALL BE INSULATED WITH 1/2' THICK FIBER GLASS PIPE INSULATION WITH WITH ALL SERVICE JACKET.
- PIPING EXPOSED TO VIEW SHALL HAVE AN EXTERIOR FINISH AS DIRECTED BY THE ARCHITECT.
- ALL RAINWATER PIPING SHALL BE SLOPED AT 1/8"/FT. MINIMUM TO DRAIN PIPE OUTLET.

NOTE:

- ALL EQUIPMENT & VALVES ABOVE HARD CEILINGS SHALL HAVE ADEQUATE SERVICE ACCESS FOR SERVICE AND REPLACEMENT. SEE SPECIFICATION 15000: 1.15.

FIRE PROTECTION SYSTEM NOTES:

- SEE SECTION 15500 OF THE SPECIFICATIONS FOR AUTOMATIC FIRE SPRINKLER SYSTEM REQUIREMENTS.
- ALL SPRINKLERS IN GYM SHALL HAVE STEEL GUARDS.

NOTE:

- SEE SHEET M 104 FOR GAS PIPING AND PIPING ABOVE ROOF.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING = 1,481,220.09 DATE:
EASTING = 417,975.01
RECORDED BY
NO.
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: G.E.I. DATE: 2/12/02	
		DRAWN BY: G.E.I. DATE: 2/12/02	
		CHECKED BY: J.E.L. DATE: 2/12/02	

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

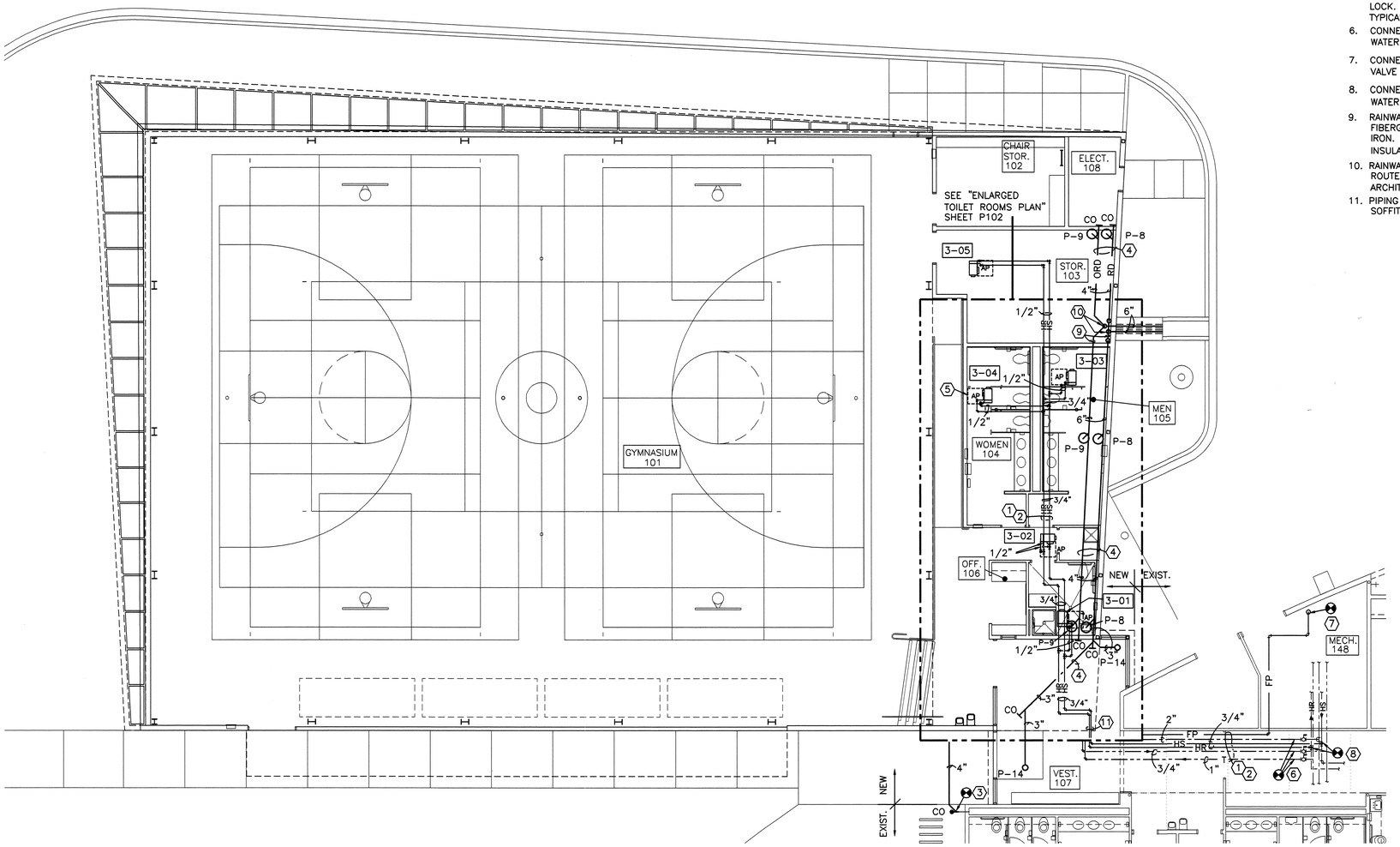
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
PLUMBING FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92 | Zone Map No. L-21-Z | Sheet P101 Of

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01



1 GYMNASIUM PLUMBING PLAN
1/8"=1'-0"
NORTH

NOTES:

1. PIPE ABOVE CEILING.
2. SIZE PIPE HANGERS TO INCLUDE INSULATION. INSULATION TO BE CONTINUOUS AS SPECIFIED. TYPICAL.
3. CONNECT NEW SOIL PIPING TO EXISTING SOIL PIPING AT EXISTING CLEANOUT.
4. RAINWATER PIPING ABOVE CEILING IN PLENUM. INSULATE WITH 1/2" FIBERGLASS PIPE INSULATION WITH ASJ. PIPE TO BE CAST IRON. SLOPE TO DRAIN AT MINIMUM 1/8"
5. CEILING ACCESS PANEL TO BE INRYCO / MILCOR. MIN. SIZE 22"x22". FACTORY APPLIED BAKED ENAMEL FINISH. COLOR AS SELECTED BY ARCHITECT. CONCEALED HINGE. CYLINDER LOCK. LOCK REQUIRED IN ALL AREAS OF PUBLIC ACCESS. TYPICAL.
6. CONNECT NEW DOMESTIC WATER PIPING TO EXISTING DOMESTIC WATER PIPING AT EXISTING VALVES.
7. CONNECT NEW FIRE PROTECTION LINE TO EXISTING ALARM VALVE RISER.
8. CONNECT NEW HEATING WATER PIPING TO EXISTING HEATING WATER PIPING.
9. RAINWATER PIPING EXPOSED IN ROOM. INSULATE WITH 1/2" FIBERGLASS PIPE INSULATION WITH ASJ. PIPE TO BE CAST IRON. SLOPE TO DRAIN AT MINIMUM 1/8". FINISH INSULATION AS DIRECTED BY ARCHITECT.
10. RAINWATER PIPING DOWN ALONG AND SECURED TO WALL. ROUTE BELOW CONCRETE TO FACE OF OUTFLOW. SEE ARCHITECTURAL DRAWINGS.
11. PIPING MUST BE ROUTED BETWEEN C CHANNEL AND VERTICAL SOFFIT FRAMING.

RAINWATER PIPING SYSTEM NOTES:
- ALL RAINWATER PIPING SHALL BE CAST IRON.
- ABOVE GRADE PIPING MAY USE HUBLESS COUPLINGS.
- ALL ABOVE GRADE PIPING SHALL BE INSULATED WITH 1/2" THICK FIBER GLASS PIPE INSULATION WITH WITH ALL SERVICE JACKET.
- PIPING EXPOSED TO VIEW SHALL HAVE AN EXTERIOR FINISH AS DIRECTED BY THE ARCHITECT.
- ALL RAINWATER PIPING SHALL BE SLOPED AT 1/8"/FT. MINIMUM TO DRAIN PIPE OUTLET.

NOTE:
- ALL EQUIPMENT & VALVES ABOVE HARD CEILINGS SHALL HAVE ADEQUATE SERVICE ACCESS FOR SERVICE AND REPLACEMENT. SEE SPECIFICATION 15000: 1.15.

FIRE PROTECTION SYSTEM NOTES:
- SEE SECTION 15500 OF THE SPECIFICATIONS FOR AUTOMATIC FIRE SPRINKLER SYSTEM REQUIREMENTS.
- ALL SPRINKLERS IN GYM SHALL HAVE STEEL GUARDS.

NOTE:
- SEE SHEET M 104 FOR GAS PIPING AND PIPING ABOVE ROOF.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING	
	CONTROL, INC.	

ENGINEERS STAMP
J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER 7/22/02

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	DRC & PLAN CHECK REVISIONS	

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

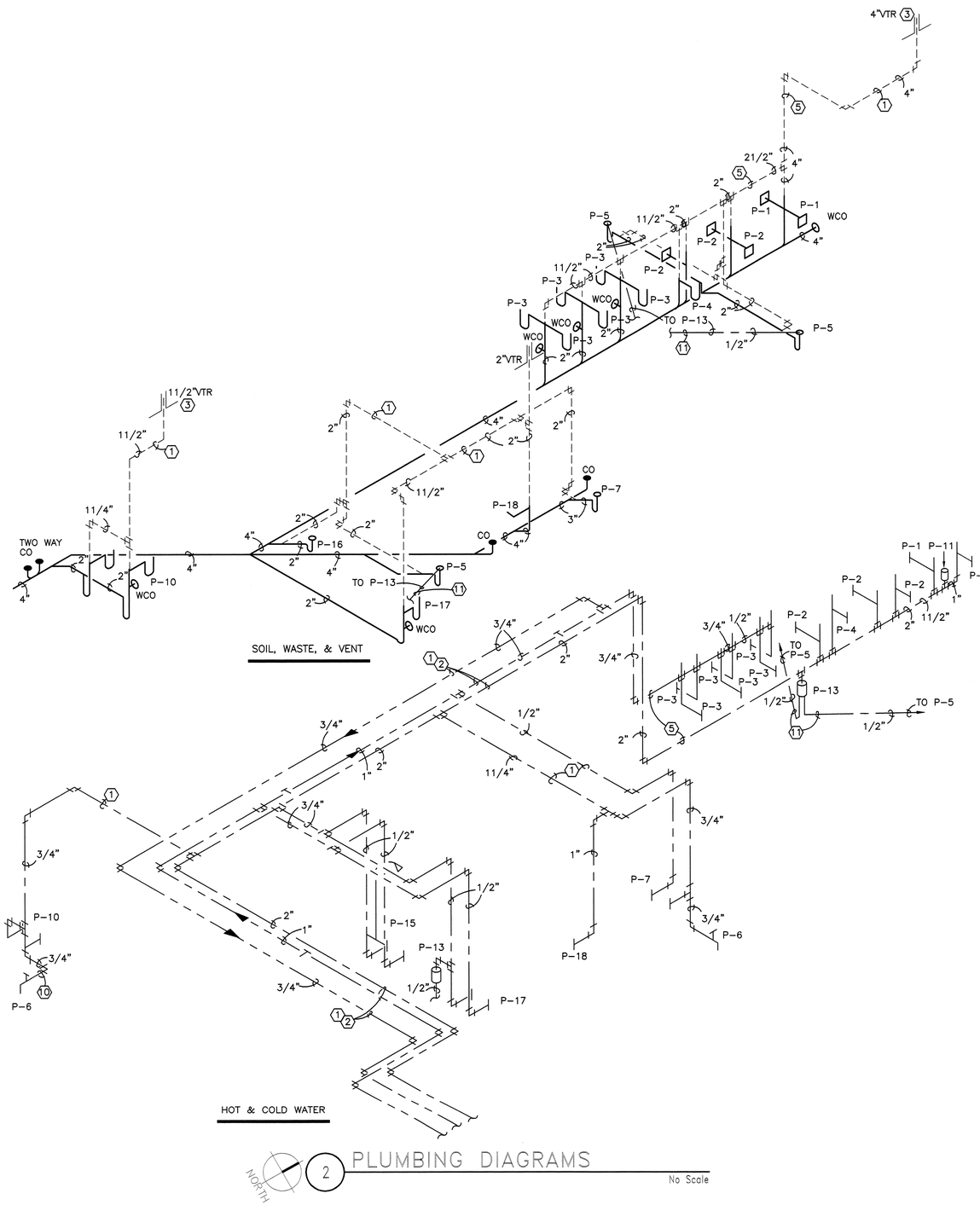
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
PLUMBING FLOOR PLAN

Design Review Committee: APPROVED AUG 1 2002 REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update	MO./DAY/YR.	MO./DAY/YR.

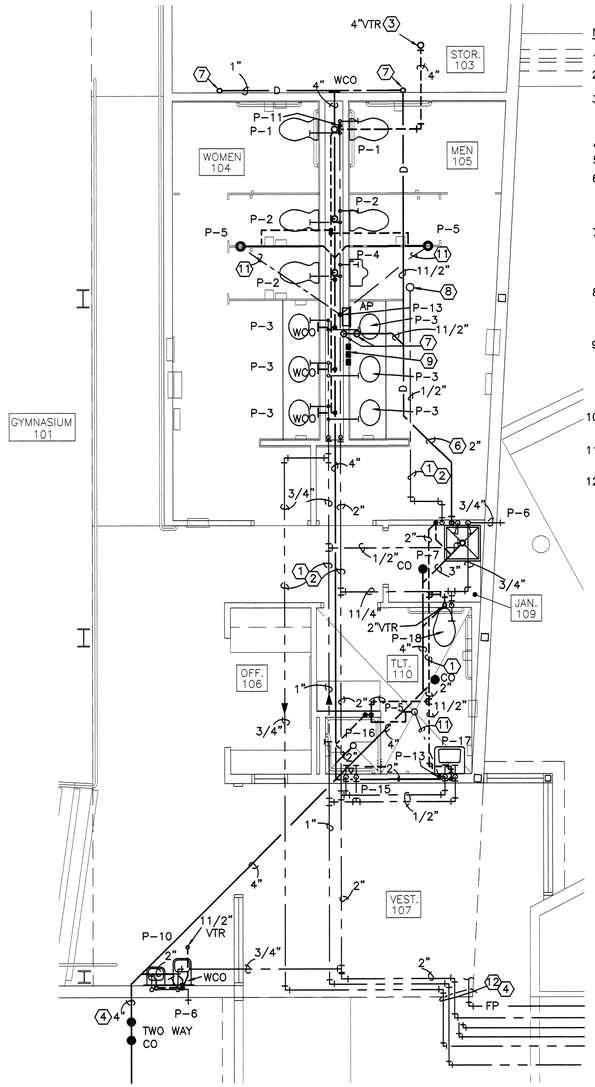
City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 38 Of 49
P101

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421
13-01



2 PLUMBING DIAGRAMS

No Scale



1 ENLARGED PLUMBING PLAN

1/4"=1'-0"

NOTE: SEE SHEET P101 FOR HEATING SYSTEM AND RAINWATER PIPING IN THIS AREA.

NOTES:

1. PIPE ABOVE CEILING.
2. SIZE PIPE HANGERS TO INCLUDE INSULATION. INSULATION TO BE CONTINUOUS AS SPECIFIED. TYPICAL.
3. PIPE THROUGH ROOF IN APPROVED PENETRATION. COORDINATE WITH ROOFING CONTRACTOR. SEE "MECHANICAL ROOF PLAN" SHEET M104.
4. SEE SHEET P101 FOR CONTINUATION.
5. PIPE IN PLUMBING CHASE.
6. RTU-3 DRAIN PIPING ABOVE CEILING IN PLENUM. INSULATE WITH 1/2" FIBERGLASS PIPE INSULATION WITH ASJ. PIPE TO BE COPPER. SLOPE TO DRAIN AT MINIMUM 1/8" PER FOOT.
7. RTU-3 DRAIN PIPING THROUGH ROOF IN APPROVED ROOF PENETRATION. SLOPE PIPE TO DRAIN TO P-7. SEE "EVAPORATIVE COOLER FILL AND DRAIN PIPING DIAGRAM" ON SHEET P103.
8. 1/2" MAKE-UP WATER TO INDIRECT EVAPORATIVE COOLER ON RTU-3. SLOPE PIPE TO DRAIN TO P-7. SEE "EVAPORATIVE COOLER FILL AND DRAIN PIPING DIAGRAM" ON SHEET P103.
9. SLOAN EL-154 TRANSFORMER. 120V/24V. 50 VA. THREE REQUIRED. INSTALL IN J-BOX IN PARTITION BELOW LAVATORY. ACCESS THROUGH LAVATORY ACCESS PANEL. WIRE TRANSFORMERS TO FLUSH VALVES AND FAUCETS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
10. INSTALL P-6 WITH VALVE ON INSIDE OF BUILDING INSULATION IN EXTERIOR WALL.
11. 1/2" TYPE K COPPER TUBING BELOW FLOOR. NO JOINTS BELOW FLOOR. INSTALL IN PVC SLEEVING.
12. PIPING MUST BE ROUTED BETWEEN C CHANNEL AND VERTICAL SOFFIT FRAMING.

RECORD DRAWING

THIS RECORD DRAWING HAS BEPREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,461,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS/REMARKS	BY	DATE

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

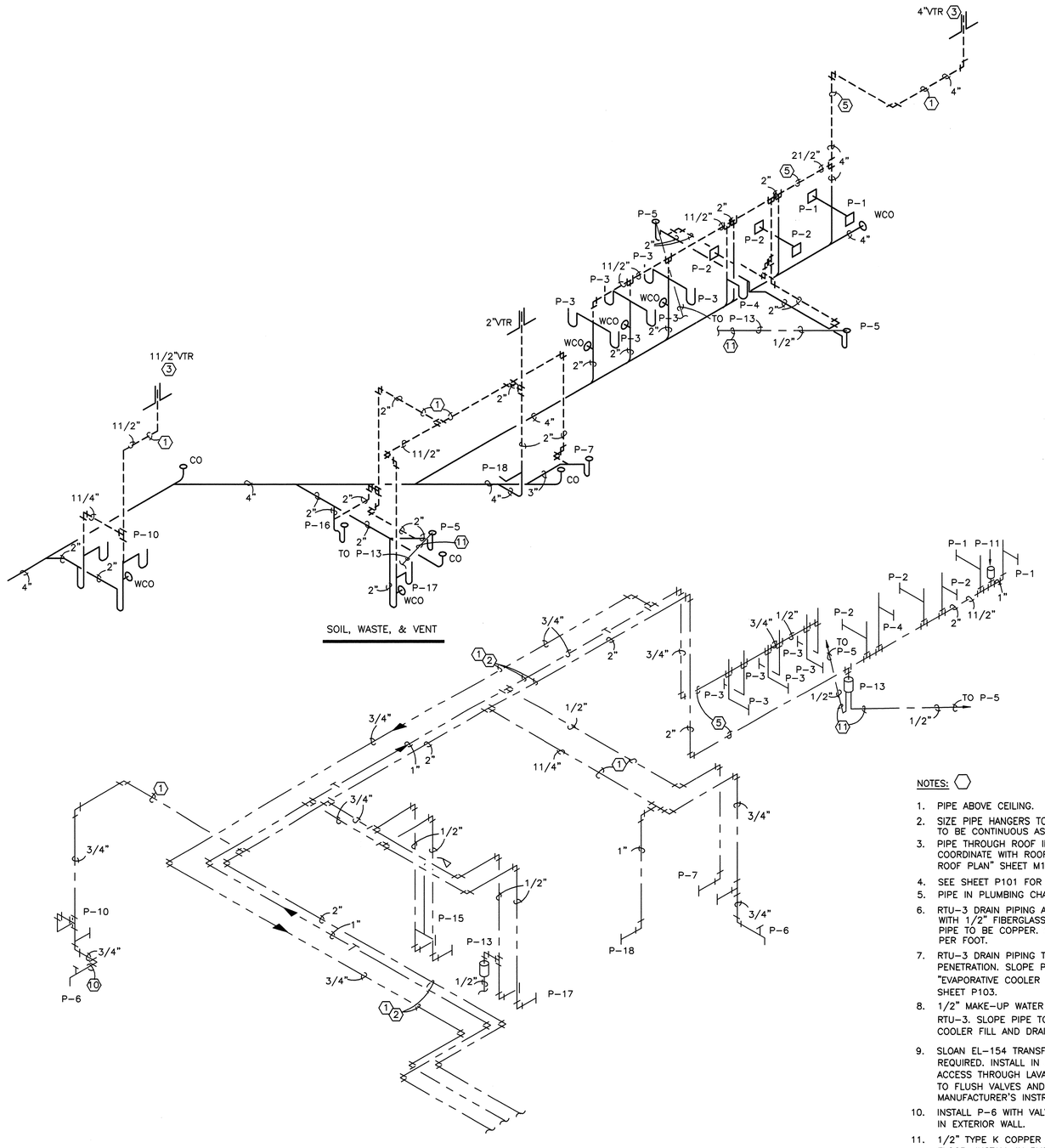
TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI-GENERATIONAL CENTER
ENL. PLUMBING PLAN & DIAGRAMS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21-Z	P102	

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd., NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

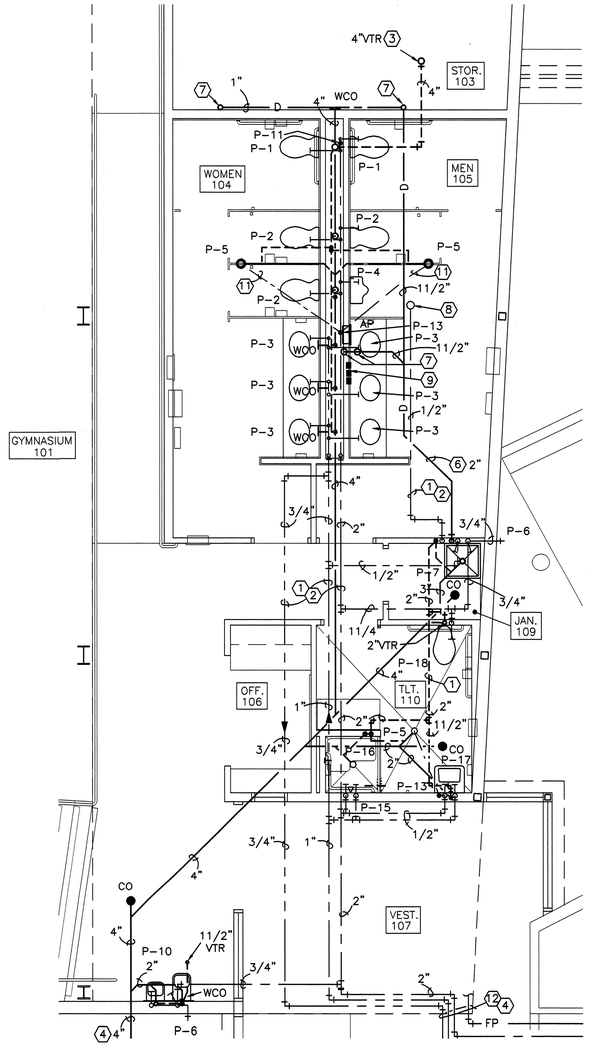


2 PLUMBING DIAGRAMS

No Scale

NOTES:

1. PIPE ABOVE CEILING.
2. SIZE PIPE HANGERS TO INCLUDE INSULATION. INSULATION TO BE CONTINUOUS AS SPECIFIED. TYPICAL.
3. PIPE THROUGH ROOF IN APPROVED PENETRATION. COORDINATE WITH ROOFING CONTRACTOR. SEE "MECHANICAL ROOF PLAN" SHEET M104.
4. SEE SHEET P101 FOR CONTINUATION.
5. PIPE IN PLUMBING CHASE.
6. RTU-3 DRAIN PIPING ABOVE CEILING IN PLENUM. INSULATE WITH 1/2" FIBERGLASS PIPE INSULATION WITH ASJ. PIPE TO BE COPPER. SLOPE TO DRAIN AT MINIMUM 1/8" PER FOOT.
7. RTU-3 DRAIN PIPING THROUGH ROOF IN APPROVED ROOF PENETRATION. SLOPE PIPE TO DRAIN TO P-7. SEE "EVAPORATIVE COOLER FILL AND DRAIN PIPING DIAGRAM" ON SHEET P103.
8. 1/2" MAKE-UP WATER TO INDIRECT EVAPORATIVE COOLER ON RTU-3. SLOPE PIPE TO DRAIN TO P-7. SEE "EVAPORATIVE COOLER FILL AND DRAIN PIPING DIAGRAM" ON SHEET P103.
9. SLOAN EL-154 TRANSFORMER. 120V/24V. 50 VA. THREE REQUIRED. INSTALL IN J-BOX IN PARTITION BELOW LAVATORY. ACCESS THROUGH LAVATORY ACCESS PANEL. WIRE TRANSFORMER TO FLUSH VALVES AND FAUCETS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
10. INSTALL P-6 WITH VALVE ON INSIDE OF BUILDING INSULATION IN EXTERIOR WALL.
11. 1/2" TYPE K COPPER TUBING BELOW FLOOR. NO JOINTS BELOW FLOOR. INSTALL IN PVC SLEEVING.
12. PIPING MUST BE ROUTED BETWEEN C CHANNEL AND VERTICAL SOFFIT FRAMING.



1 ENLARGED PLUMBING PLAN

1/4"=1'-0"

NOTE: SEE SHEET P101 FOR HEATING SYSTEM AND RAINWATER PIPING IN THIS AREA.

NORTH

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.76'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	DRC & PLANCHECK REVISIONS	

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

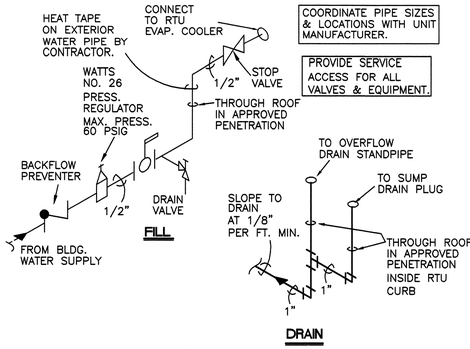
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ENL. PLUMBING PLAN & DIAGRAMS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 39 Of 49 | P102



EVAPORATIVE COOLER FILL AND DRAIN PIPING DIAGRAM

1 / P103

NO SCALE

GENERAL NOTES – PLUMBING

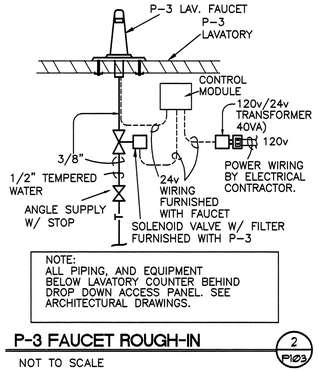
- IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXISTING CONDITIONS AT THE JOB SITE AND MAKE ALL MODIFICATIONS AND RENEWALS NECESSARY TO COMPLETE THE MECHANICAL WORK FOR THIS JOB IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR CANNOT DETERMINE WHAT SHALL BE DONE IN REGARD TO ANY SPECIFIC PROBLEM, THIS PROBLEM SHALL BE BROUGHT TO THE ATTENTION OF THE A/E.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE EXCAVATING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- ALL PIPING IS CONCEALED UNLESS OTHERWISE NOTED.
- ALL PIPING INSTALLED IN EXTERIOR WALLS OR ABOVE CEILING SHALL BE INSTALLED ON HEATED SIDE OF BUILDING INSULATION TO PREVENT FREEZING.
- ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.
- VOLTAGE AND PHASE FOR ALL MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL ENGINEER BEFORE ORDERING.
- ALL FIRE SAFING WILL BE DONE BY THE GENERAL CONTRACTOR.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUF.	CAT.NO.	TRAP	VENT	CW	TEMP. HW	REMARKS
P-1*	WATER CLOSET (ACCESSIBLE)	AMSTAN	2257.103	--	2"	1"	--	16 1/2" RIM HEIGHT. CHURCH 295C WHITE SEAT SLOAN ROYAL 111 ES-S FLUSH VALVE. 1.6 GPF. J.R. SMITH FLOOR CARRIER.
P-2*	WATER CLOSET	AMSTAN	2257.103	--	2"	1"	--	14 " RIM HEIGHT. OTHERWISE SAME REMARKS AS P-1.
P-3*	LAVATORY (ACCESSIBLE)	AMSTAN	0476.028	11/2"	11/2"	--	1/2"	SLOAN ETF-80 A SENSOR OPERATED FAUCET. 0.5 GPM FLOW CONTROL. VANDAL RESISTANT. ANGLE STOPS. OFFSET GRID DRAIN. P-TRAP. INSTALL SOLENOIDS, CONTROLS, AND TRANSFORMERS IN CABINET WITH ACCESS PANELS FOR SERVICE. SEE "P-3 FAUCET ROUGH-IN" THIS SHEET.
P-4*	FLOOR URINAL ACCESSIBLE	AMSTAN	6400.014	2"	2"	3/4"	--	SLOAN 186-ES-S SENSOR OPERATED FLUSH VALVE
P-5	FLOOR DRAIN	J.R. SMITH	2005C-A-P	2"	2"	1/2"	--	DEEP SEAL TRAP. 6" TOP. TRAP PRIMER CONNECTION.
P-6	WALL HYDRANT	J.R. SMITH	5609 QT	--	--	3/4"	--	ANTI-SIPHON. NON-FREEZE. LOOSE KEY.
P-7	SERVICE SINK	FIAT	MSB-2424	3"	2"	1/2"	1/2"	24"x24". FIAT 830-AA FAUCET WITH VACUUM BREAKER. 832-AA HOSE AND BRACKET. 889-CC MOP HANGER. E-77-AA VINYL BUMPERGUARD. 833-AA SILICONE SEALANT.
P-8	ROOF DRAIN	J.R. SMITH	1015 ERC	--	--	--	--	4" SIZE. RECEIVER. EXTENSION. CLAMP.
P-9	OVERFLOW ROOF DRAIN	J.R. SMITH	1074 ERC	--	--	--	--	4" SIZE. RECEIVER. EXTENSION. CLAMP. 1 1/2" STANDPIPE HEIGHT ABOVE ROOF.
P-10	DRINKING FOUNTAIN (ACCESSIBLE)	HAWS	1119 WITH SKIRT	11/2"	11/2"	1/2"	--	BI-LEVEL. COMPLETE WITH P-TRAPS, SCREWDRIVER STOPS ON WATER SUPPLIES. J.R. SMITH FLOOR MOUNTED CARRIER.
P-11	WATER HAMMER ARRESTOR	J.R. SMITH	5020	--	--	1"	--	PDI RATING: C.
P-12	NOT USED	--	--	--	--	--	--	--
P-13	TRAP PRIMER	MIFAB	M-500 MI-DU	--	--	1/2"	--	INSTALL IN CW SUPPLY LINE. PROVIDE SERVICE ACCESS. DISTRIBUTION UNIT AS REQUIRED. PIPE TO FLOOR DRAIN. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
P-14	ROOF DRAIN	J.R. SMITH	1340-R-C	--	--	--	--	3" SIZE. RECEIVER. CLAMP.
P-15	SHOWER FITTING (ACCESSIBLE)	ACORN	512-HC-F2.5 Z-GX-QD	--	--	1/2"	1/2" --	VANDAL RESISTANT, VERT. ADJ. SHOWER HEAD, PRESSURE BALANCED VALVE WITH ROTARY HANDLE. MOUNT HEAD AT 6'-0" A.F.F., 2.5 GPM FLOW CONTROL. INDIVIDUAL CHECK STOPS. FLEX SHOWER WITH QUICK DISCONNECT, LEVER HANDLE DIVERTER VALVE, & SOAP DISH.
P-16	SHOWER DRAIN	J.R. SMITH	2005-A	2"	2"	--	-- --	DEEP SEAL TRAP. 5" TOP. CHROME PLATED GRATE.
P-17	LAVATORY (ACCESSIBLE)	AMSTAN	0355.012	11/2"	11/2"	1/2"	1/2" --	AMSTAN 2385.406 FAUCET. 0.5 GPM FLOW CONTROL VANDAL RESISTANT. ANGLE STOPS. P-TRAP W/C.O. TRUBRO INC. LAVATORY SUPPLIES AND TRAP INSULATION KIT. J.R. SMITH FLOOR MOUNTED CARRIER.
P-18	WATER CLOSET (ACCESSIBLE)	AMSTAN	3043.102	--	2"	1"	-- --	17 1/4" RIM HEIGHT. CHURCH 295C WHITE SEAT. SLOAN REGAL 111 FLUSH VALVE. 1.6 GPF. BOLT CAPS.

REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND SPACING OF ALL FIXTURES. THESE DIMENSIONS ARE CRITICAL TO COMPLY WITH A.D.A. REQUIREMENTS.

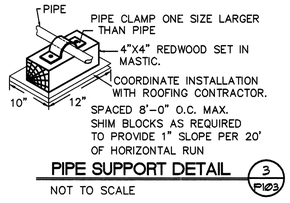
* TRANSFORMERS TO BE SUPPLIED BY MECHANICAL CONTRACTOR. TRANSFORMERS ARE TO BE CONCEALED. PROVIDE ACCESS PANELS FOR SERVICE. POWER WIRING TO TRANSFORMERS BY ELECTRICAL CONTRACTOR. 24 V WIRING BY MECHANICAL CONTRACTOR. COORDINATE WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND CONTRACTORS.



P-3 FAUCET ROUGH-IN

2 / P103

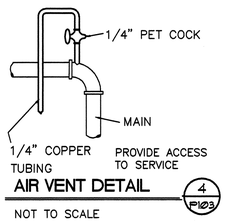
NOT TO SCALE



PIPE SUPPORT DETAIL

3 / P103

NOT TO SCALE



AIR VENT DETAIL

4 / P103

NOT TO SCALE

INSTALL AT ALL HIGH POINTS IN HEATING WATER SYSTEM.

LEGEND:

SOIL AND WASTE	RL RAINWATER LEADER
VENT	ORL OVERFLOW RAINWATER LEADER
COLD WATER	HS HEATING HOT WATER SUPPLY
HOT WATER	HR HEATING HOT WATER RETURN
HOT WATER RECIRCULATION	FP FIRE PROTECTION WATER
T TEMPERED HOT WATER	CO CLEANOUT
G NATURAL GAS-LOW PRESSURE	WCO WALL CLEANOUT
MPG NATURAL GAS-MEDIUM PRESSURE	VTR VENT THROUGH ROOF
BALL VALVE	AP ACCESS PANEL
GATE VALVE	POINT OF CONNECTION NEW TO EXISTING
SQUARE HEADED COCK	
CHECK VALVE	
UNION	

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

BENCH MARK

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS/REMARKS	BY	DATE

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

Kells + Craig Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

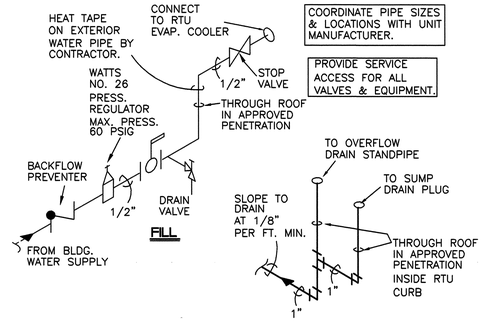
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: # GYMNASIUM ADDITION

MANZANO MESA MULTI-GENERATIONAL CENTER
PLUMBING SCHEDULE & DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21-Z	P103	



EVAPORATIVE COOLER FILL AND DRAIN PIPING DIAGRAM

1 / P103

NO SCALE

GENERAL NOTES – PLUMBING

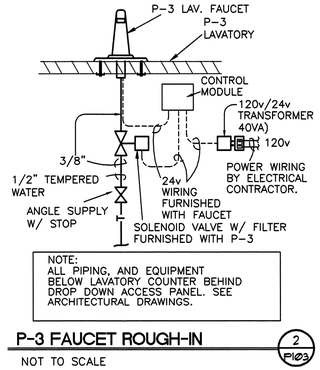
- IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXISTING CONDITIONS AT THE JOB SITE AND MAKE ALL MODIFICATIONS AND RENEWALS NECESSARY TO COMPLETE THE MECHANICAL WORK FOR THIS JOB IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR CANNOT DETERMINE WHAT SHALL BE DONE IN REGARD TO ANY SPECIFIC PROBLEM, THIS PROBLEM SHALL BE BROUGHT TO THE ATTENTION OF THE A/E.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE EXCAVATING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- ALL PIPING IS CONCEALED UNLESS OTHERWISE NOTED.
- ALL PIPING INSTALLED IN EXTERIOR WALLS OR ABOVE CEILING SHALL BE INSTALLED ON HEATED SIDE OF BUILDING INSULATION TO PREVENT FREEZING.
- ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.
- VOLTAGE AND PHASE FOR ALL MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL ENGINEER BEFORE ORDERING.
- ALL FIRE SAFING WILL BE DONE BY THE GENERAL CONTRACTOR.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUF.	CAT.NO.	TRAP	VENT	CW	TEMP. HW	REMARKS
P-1*	WATER CLOSET (ACCESSIBLE)	AMSTAN	2257.103	--	2"	1"	--	16 1/2" RIM HEIGHT. OLSONITE #95 WHITE SEAT SLOAN ROYAL 111 ES-S FLUSH VALVE. 1.6 GPF. J.R. SMITH FLOOR CARRIER.
P-2*	WATER CLOSET	AMSTAN	2257.103	--	2"	1"	--	14 " RIM HEIGHT. OTHERWISE SAME REMARKS AS P-1.
P-3*	LAVATORY (ACCESSIBLE)	AMSTAN	0476.028	11/2"	11/2"	--	1/2"	SLOAN ETF-80 A SENSOR OPERATED FAUCET. 0.5 GPM FLOW CONTROL. VANDAL RESISTANT. ANGLE STOPS. OFFSET GRID DRAIN. P-TRAP. INSTALL SOLENOIDS, CONTROLS, AND TRANSFORMERS IN CABINET WITH ACCESS PANELS FOR SERVICE. SEE "P-3 FAUCET ROUGH-IN" THIS SHEET.
P-4*	FLOOR URINAL ACCESSIBLE	AMSTAN	6400.014	2"	2"	3/4"	--	SLOAN 186-ES-S SENSOR OPERATED FLUSH VALVE
P-5	FLOOR DRAIN	J.R. SMITH	2010C-A-P	2"	2"	1/2"	--	DEEP SEAL TRAP. 6" TOP. TRAP PRIMER CONNECTION.
P-6	WALL HYDRANT	J.R. SMITH	5609 QT	--	--	3/4"	--	ANTI-SIPHON. NON-FREEZE. LOOSE KEY.
P-7	SERVICE SINK	FIAT	MSB-2424	3"	2"	1/2"	1/2"	24"x24". FIAT 830-AA FAUCET WITH VACUUM BREAKER. 832-AA HOSE AND BRACKET. 889-CC MOP HANGER. E-77-AA VINYL BUMPERGUARD. 833-AA SILICONE SEALANT.
P-8	ROOF DRAIN	J.R. SMITH	1010 ERC	--	--	--	--	4" SIZE. RECEIVER. EXTENSION. CLAMP.
P-9	OVERFLOW ROOF DRAIN	J.R. SMITH	1070 ERC	--	--	--	--	4" SIZE. RECEIVER. EXTENSION. CLAMP. 1 1/2" STANDPIPE HEIGHT ABOVE ROOF.
P-10	DRINKING FOUNTAIN (ACCESSIBLE)	HAWS	1119 WITH SKIRT	11/2"	11/2"	1/2"	--	BI-LEVEL. COMPLETE WITH P-TRAPS, SCREWDRIVER STOPS ON WATER SUPPLIES. J.R. SMITH FLOOR MOUNTED CARRIER.
P-11	WATER HAMMER ARRESTOR	J.R. SMITH	5020	--	--	1"	--	PDI RATING: C.
P-12	NOT USED	--	--	--	--	--	--	--
P-13	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	P-2	--	--	1/2"	--	INSTALL IN CW SUPPLY LINE. PROVIDE SERVICE ACCESS. DISTRIBUTION UNIT AS REQUIRED. PIPE TO FLOOR DRAIN. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
P-14	ROOF DRAIN	J.R. SMITH	1340-R-C	--	--	--	--	3" SIZE. RECEIVER. CLAMP.
P-15	SHOWER FITTING (ACCESSIBLE)	ACORN	512-HC-F2.5 Z-GX-QD	--	--	1/2"	1/2" --	VANDAL RESISTANT, VERT. ADJ. SHOWER HEAD, PRESSURE BALANCED VALVE WITH ROTARY HANDLE. MOUNT HEAD AT 6'-0" A.F.F. 2.5 GPM FLOW CONTROL. INDIVIDUAL CHECK STOPS. FLEX SHOWER WITH QUICK DISCONNECT, LEVER HANDLE DIVERTER VALVE, & SOAP DISH.
P-16	SHOWER DRAIN	J.R. SMITH	2010-A	2"	2"	--	-- --	DEEP SEAL TRAP. 5" TOP. CHROME PLATED GRATE.
P-17	LAVATORY (ACCESSIBLE)	AMSTAN	0355.012	11/2"	11/2"	1/2"	1/2" --	AMSTAN 2385.003 FAUCET. 0.5 GPM FLOW CONTROL VANDAL RESISTANT. ANGLE STOPS. P-TRAP W/C.O. TRUBRO INC. LAVATORY SUPPLIES AND TRAP INSULATION KIT. J.R. SMITH FLOOR MOUNTED CARRIER.
P-18	WATER CLOSET (ACCESSIBLE)	AMSTAN	2305.100	--	2"	1"	-- --	16 1/8" RIM HEIGHT. OLSONITE #95 WHITE SEAT. SLOAN ROYAL 111 FLUSH VALVE. 1.6 GPF. BOLT CAPS.

REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND SPACING OF ALL FIXTURES. THESE DIMENSIONS ARE CRITICAL TO COMPLY WITH A.D.A. REQUIREMENTS.

* TRANSFORMERS TO BE SUPPLIED BY MECHANICAL CONTRACTOR. TRANSFORMERS ARE TO BE CONCEALED. PROVIDE ACCESS PANELS FOR SERVICE. POWER WIRING TO TRANSFORMERS BY ELECTRICAL CONTRACTOR. 24 V WIRING BY MECHANICAL CONTRACTOR. COORDINATE WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND CONTRACTORS.

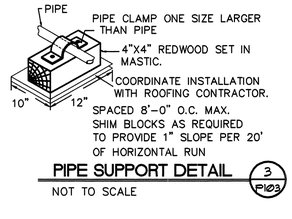


NOTE: ALL PIPING, AND EQUIPMENT BELOW LAVATORY COUNTER BEHIND DROP DOWN ACCESS PANEL. SEE ARCHITECTURAL DRAWINGS.

P-3 FAUCET ROUGH-IN

2 / P103

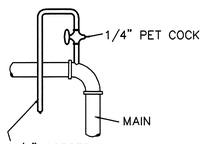
NOT TO SCALE



PIPE SUPPORT DETAIL

3 / P103

NOT TO SCALE



AIR VENT DETAIL

4 / P103

NOT TO SCALE

INSTALL AT ALL HIGH POINTS IN HEATING WATER SYSTEM.

LEGEND:

SOIL AND WASTE	RL — RAINWATER LEADER
VENT	ORL — OVERFLOW RAINWATER LEADER
COLD WATER	HS — HEATING HOT WATER SUPPLY
HOT WATER	HR — HEATING HOT WATER RETURN
HOT WATER RECIRCULATION	FP — FIRE PROTECTION WATER
T — TEMPERED HOT WATER	CO CLEANOUT
G — NATURAL GAS-LOW PRESSURE	WCO WALL CLEANOUT
MPG — NATURAL GAS-MEDIUM PRESSURE	VTR VENT THROUGH ROOF
BALL VALVE	AP ACCESS PANEL
GATE VALVE	POINT OF CONNECTION NEW TO EXISTING
SQUARE HEADED COCK	
CHECK VALVE	
UNION	

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5427

13-01

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWE NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
7.22.02	DRC & PLANCHECK REVISIONS		
	DESIGNED BY: G.E.I.	DATE: 2/12/02	
	DRAWN BY: G.E.I.	DATE: 2/12/02	
	CHECKED BY: J.E.L.	DATE: 2/12/02	

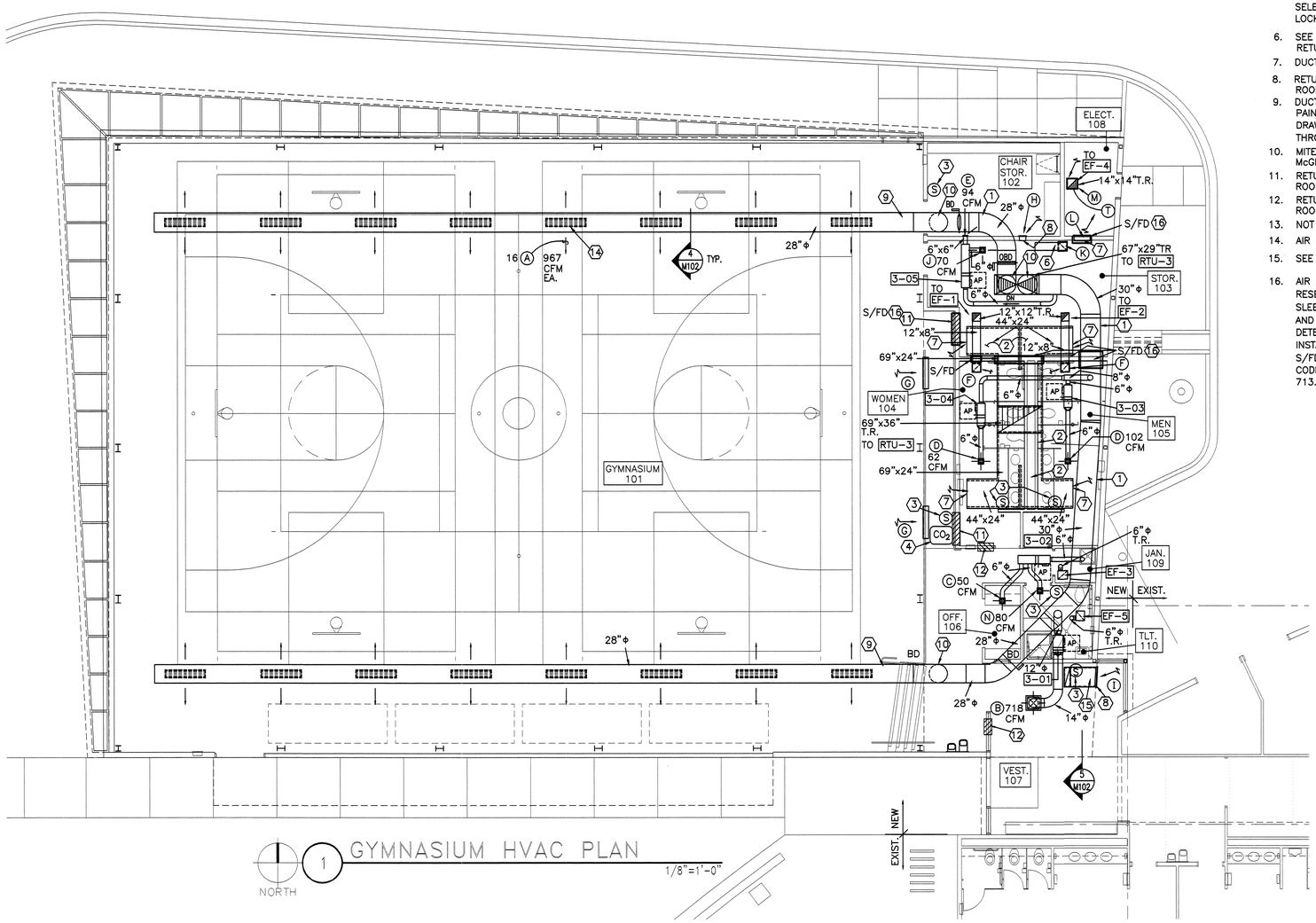
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
PLUMBING SCHEDULE & DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 40 Of 49 | P103



1 GYMNASIUM HVAC PLAN

1/8"=1'-0"

NOTES:

1. DUCT ABOVE CEILING. 2" FIBER GLASS DUCT WRAP INSULATION. SEE SPECIFICATION 15800 F. TYPICAL OF ALL ABOVE CEILING SUPPLY DUCT.
2. 16 GA. SHEET METAL DUCT WITH FIBERGLAS DUCT LINER, 2" THICKNESS. SEE SPECIFICATION 15800 F. INSTALL LINER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. TRANE ZONE WALL PLATE/THERMISTOR TEMPERATURE SENSOR.
4. CO_2 SENSOR. FURNISHED AND INSTALLED AS A PART OF THE BUILDING HVAC CONTROL SYSTEM.
5. CEILING ACCESS PANEL TO BE ELMOR. MIN. SIZE 22"x 22". FACTORY APPLIED BAKED ENAMEL FINISH. COLOR AS SELECTED BY ARCHITECT. CONCEALED HINGE. CYLINDER LOCK. LOCK REQUIRED IN ALL AREAS OF PUBLIC ACCESS.
6. SEE "SOUND TRAP DETAIL" (3/M102) TYPICAL AT ALL CEILING RETURN AIR GRILLES.
7. DUCT OPEN TO RETURN AIR PLENUM.
8. RETURN AIR GRILLE OPEN TO RETURN AIR PLENUM ABOVE ROOM CEILING.
9. DUCT EXPOSED. UNITED–McGILL UNI–SEAL SPIRAL LOCKSEAM PAINT GRIP STEEL. NOT INSULATED. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. 18 GA. DUCT INSTALLED THROUGH STEEL TRUSS OPENINGS.
10. MITERED 90° ROUND ELBOW WITH TURNING VANES. UNITED McGILL SR18–EV2–90. TYPICAL OF TWO.
11. RETURN AIR OPENING IN PARTITION ABOVE CEILING AND BELOW ROOF. 48" x 40" SIZE [OR EQUIVALENT] FREE AREA.
12. RETURN AIR OPENING IN PARTITION ABOVE CEILING AND BELOW ROOF. 24" x 18" SIZE [OR EQUIVALENT] FREE AREA.
13. NOT USED.
14. AIR DIFFUSER CENTERED BETWEEN ROOF TRUSSES. TYPICAL.
15. SEE "SOUND TRAP DETAIL" (8/M102)
16. AIR BALANCE MODEL FS2–250 SMOKE/FIRE DAMPER WITH RESET DAMPER OPERATOR. 1 1/2 HR. RATING. FACTORY SLEEVE. INSTALL IN STRICT ACCORDANCE WITH U.L. REQUIREMENTS AND MANUFACTURER'S WRITTEN INSTRUCTIONS. WIRED TO SMOKE DETECTOR & FIRE ALARM PANEL. SEE ELECTRICAL DRAWINGS. INSTALL ACCESS PANEL(S) TO SERVICE DAMPER. TYPICAL OF ALL S/FD. INSTALLATION SHALL COMPLY WITH UNIFORM MECHANICAL CODE (1997 ED.) 606.0 AND UNIFORM BUILDING CODE (1997 ED.) 713.10 AND 713.11.

NOTE:

– ALL EQUIPMENT & VALVES ABOVE HARD CEILINGS SHALL HAVE ADEQUATE SERVICE ACCESS FOR SERVICE AND REPLACEMENT. SEE SPECIFICATION 15000: 1.15.

NOTE:

– SEE SHEET P 101 FOR HEATING WATER PIPING TO VAV UNITS.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

AS BUILT INFORMATION
CONTRACTOR: DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6–21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
11599 STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.

ENGINEERS STAMP
J.E. LOWNEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: G.E.I.	DATE: 2/12/02
		DRAWN BY: G.E.I.	DATE: 2/12/02
		CHECKED BY: J.E.L.	DATE: 2/12/02

QIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505–268–5421 FAX 505–268–5421

13–01

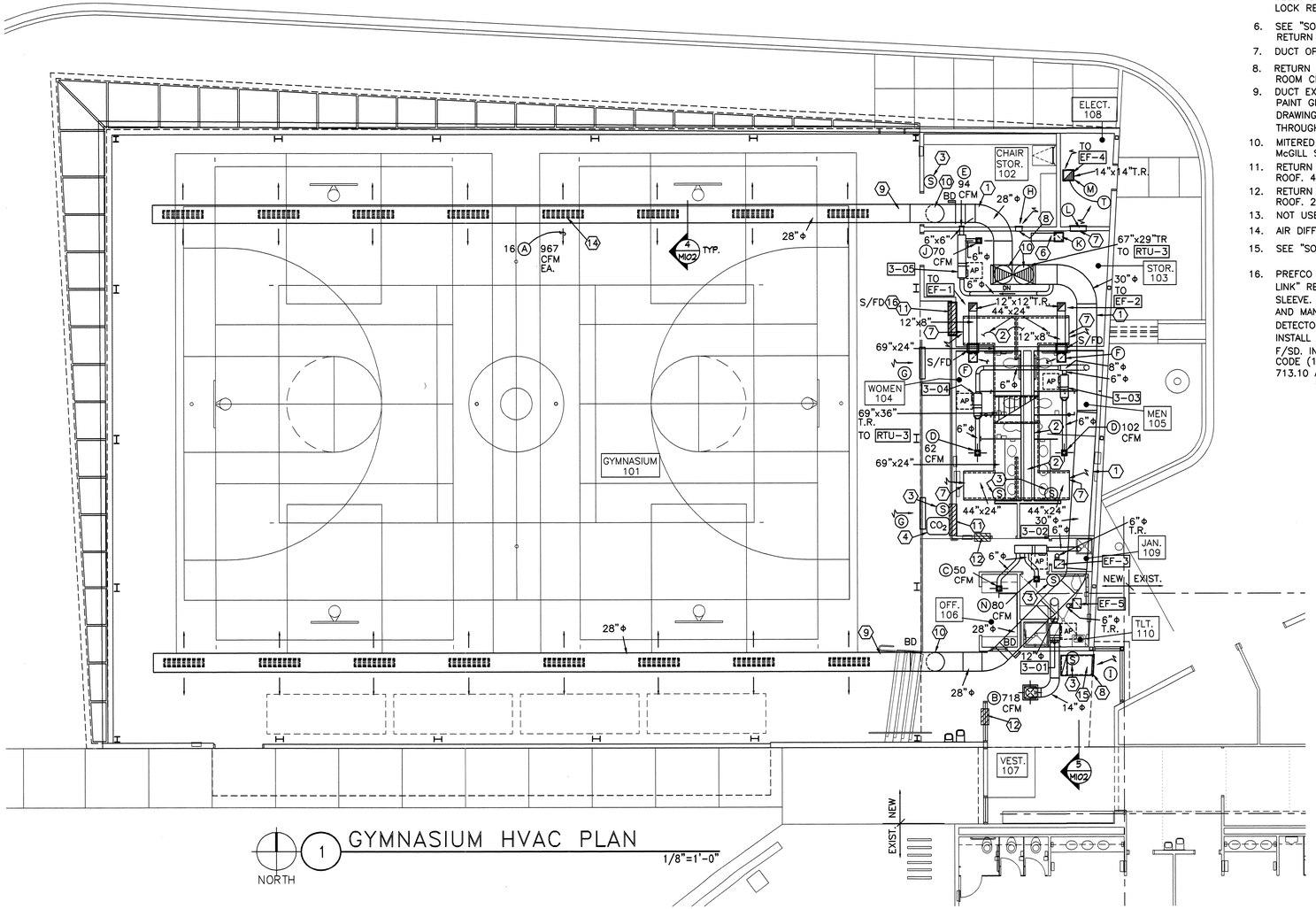
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243–2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI–GENERATIONAL CENTER
HVAC FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92 | Zone Map No. L–21–Z | Sheet M101 Of



NOTES:

1. DUCT ABOVE CEILING. 2" FIBER GLASS DUCT WRAP INSULATION. SEE SPECIFICATION 15800 F. TYPICAL OF ALL ABOVE CEILING SUPPLY DUCT.
2. 16 GA. SHEET METAL DUCT WITH FIBERGLAS DUCT LINER, 2" THICKNESS. SEE SPECIFICATION 15800 F. INSTALL LINER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. TRANE ZONE WALL PLATE/THERMISTOR TEMPERATURE SENSOR.
4. CO_2 SENSOR. FURNISHED AND INSTALLED AS A PART OF THE BUILDING HVAC CONTROL SYSTEM.
5. CEILING ACCESS PANEL TO BE INRYCO / MILCOR. MIN. SIZE 22"x 22". FACTORY APPLIED BAKED ENAMEL FINISH. COLOR AS SELECTED BY ARCHITECT. CONCEALED HINGE. CYLINDER LOCK. LOCK REQUIRED IN ALL AREAS OF PUBLIC ACCESS.
6. SEE "SOUND TRAP DETAIL" (5/M102) TYPICAL AT ALL CEILING RETURN AIR GRILLES.
7. DUCT OPEN TO RETURN AIR PLENUM.
8. RETURN AIR GRILLE OPEN TO RETURN AIR PLENUM ABOVE ROOM CEILING.
9. DUCT EXPOSED. UNITED–McGILL UNI–SEAL SPIRAL LOCKSEAM PAINT GRIP STEEL. NOT INSULATED. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. 18 GA. DUCT INSTALLED THROUGH STEEL TRUSS OPENINGS.
10. MITERED 90° ROUND ELBOW WITH TURNING VANES. UNITED McGILL SR18–EV2–90. TYPICAL OF TWO.
11. RETURN AIR OPENING IN PARTITION ABOVE CEILING AND BELOW ROOF. 48" x 40" SIZE [OR EQUIVALENT] FREE AREA.
12. RETURN AIR OPENING IN PARTITION ABOVE CEILING AND BELOW ROOF. 24" x 18" SIZE [OR EQUIVALENT] FREE AREA.
13. NOT USED.
14. AIR DIFFUSER CENTERED BETWEEN ROOF TRUSSES. TYPICAL.
15. SEE "SOUND TRAP DETAIL" (5/M102)
16. PREFCO MODEL 5910–ASF SMOKE/FIRE DAMPER WITH "MCCABE LINK" RESET DAMPER OPERATOR. 1 1/2 HR. RATING. FACTORY SLEEVE. INSTALL INSTRICT ACCORDANCE WITH U.L. REQUIREMENTS AND MANUFACTURER'S WRITTEN INSTRUCTIONS. WIRED TO SMOKE DETECTOR & FIRE ALARM PANEL. SEE ELECTRICAL DRAWINGS. INSTALL ACCESS PANEL(S) TO SERVICE DAMPER. TYPICAL OF ALL F/SD. INSTALLATION SHALL COMPLY WITH UNIFORM MECHANICAL CODE (1997 ED.) 606.0 AND UNIFORM BUILDING CODE (1997 ED.) 713.10 AND 713.11.

NOTE:
– ALL EQUIPMENT & VALVES ABOVE HARD CEILINGS SHALL HAVE ADEQUATE SERVICE ACCESS FOR SERVICE AND REPLACEMENT. SEE SPECIFICATION 15000: 1.15.

NOTE:
– SEE SHEET P 101 FOR HEATING WATER PIPING TO VAV UNITS.

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO–FILM INFORMATION
GRID COORDINATES: NORTHING = 1,461,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485
RECORDED BY: DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	PRC & PLANCHECK REVISIONS	
		DESIGNED BY: G.E.I.	DATE: 2/12/02
		DRAWN BY: G.E.I.	DATE: 2/12/02
		CHECKED BY: J.E.L.	DATE: 2/12/02

QIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

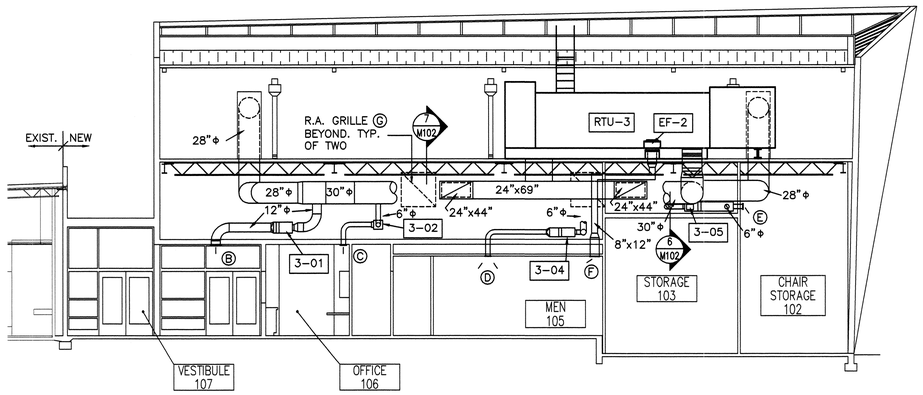
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI–GENERATIONAL CENTER
HVAC FLOOR PLAN

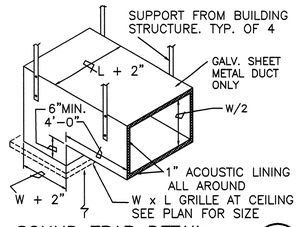
Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG – 1 2002 CITY ENGINEER
Last Design Update: MO/DAY/YR. | MO/DAY/YR.

City Project No. 5751.93
Zone Map No. L–21–Z
Sheet 41 Of 49
M101



SECTION
SCALE: 1/8" – 1'-0"

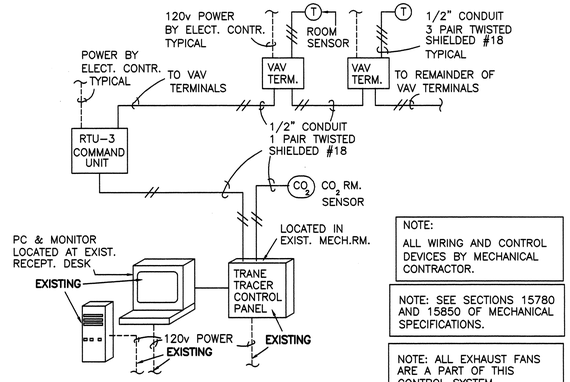
5 M102



SOUND TRAP DETAIL

NOT TO SCALE

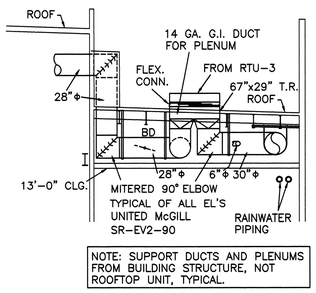
3 M102



BASIC HVAC CONTROL SCHEME

NOT TO SCALE

1 M105

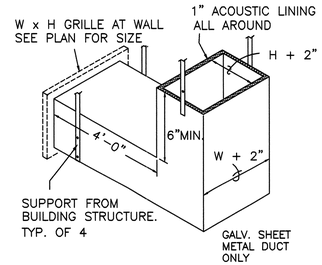


NOTE: SUPPORT DUCTS AND PLENUMS FROM BUILDING STRUCTURE, NOT ROOFTOP UNIT, TYPICAL.

RTU–3 S.A. DUCT DETAIL

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

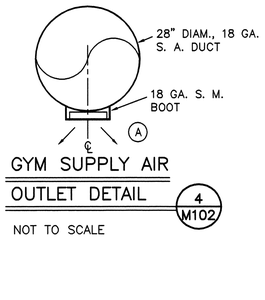
6 M102



SOUND BOOT DETAIL

NOT TO SCALE

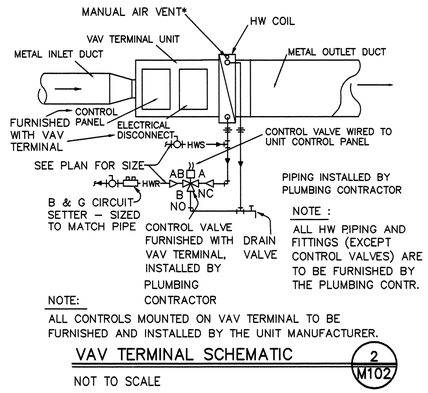
8 M102



GYM SUPPLY AIR OUTLET DETAIL

NOT TO SCALE

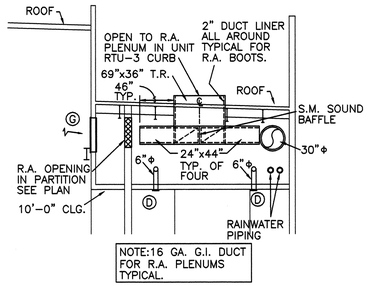
4 M102



VAV TERMINAL SCHEMATIC

NOT TO SCALE

2 M102



NOTE:16 GA. G.I. DUCT FOR R.A. PLENUMS TYPICAL.

RTU–3 R.A. DUCT DETAIL

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

7 M102

LEGEND:

BD	BALANCING DAMPER WITH LOCKING QUADRANT
TR	THROUGH ROOF
Ⓢ	TEMPERATURE SENSOR
CO_2	CARBON DIOXIDE SENSOR
SD	SPLITTER DAMPER
TV	TURNING VANES
FC	FLEXIBLE DUCT CONNECTOR
AP	ACCESS PANEL

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER 5/12/02

NO.	REVISIONS/REMARKS	BY	DATE

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

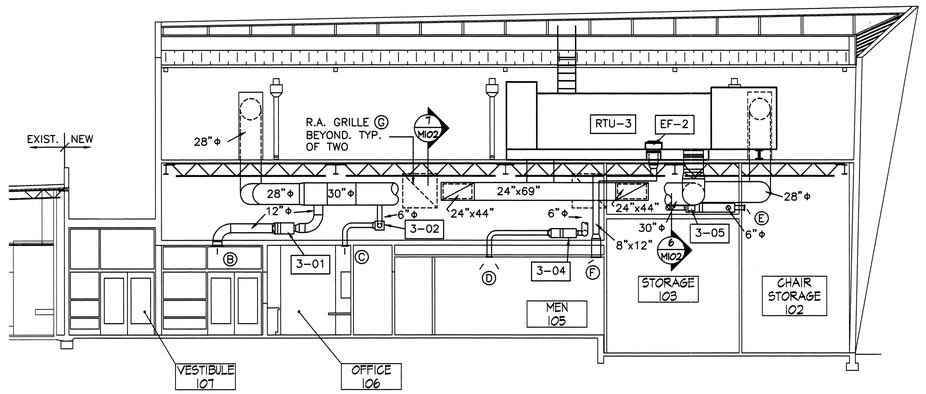
Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI–GENERATIONAL CENTER
HVAC DETAILS

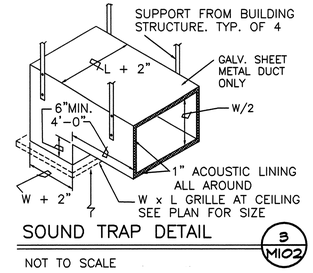
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L–21–Z	M102	



SECTION
SCALE: 1/8" – 1'-0"

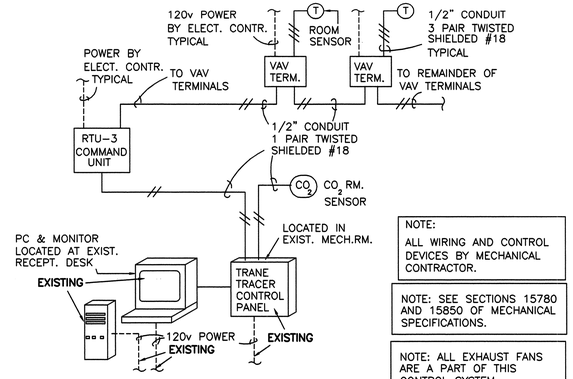
5 M102



SOUND TRAP DETAIL

NOT TO SCALE

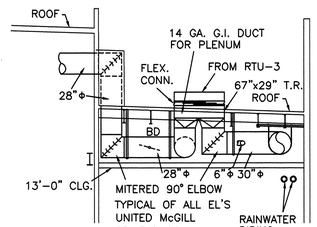
3 M102



BASIC HVAC CONTROL SCHEME

NOT TO SCALE

1 M105

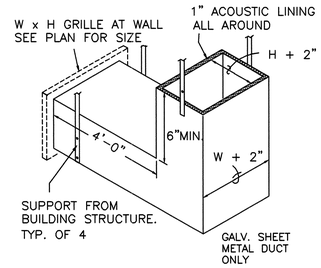


NOTE: SUPPORT DUCTS AND PLENUMS FROM BUILDING STRUCTURE, NOT ROOFTOP UNIT, TYPICAL.

RTU–3 S.A. DUCT DETAIL

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

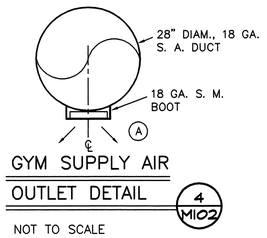
6 M102



SOUND BOOT DETAIL

NOT TO SCALE

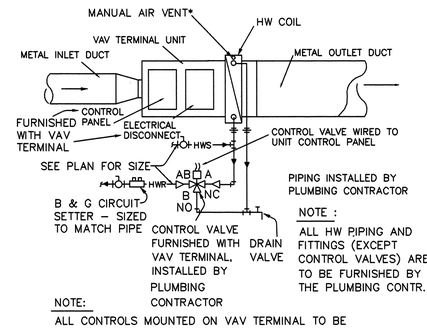
8 M102



GYM SUPPLY AIR OUTLET DETAIL

NOT TO SCALE

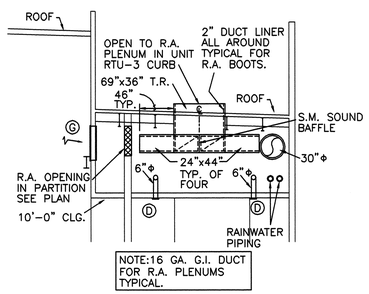
4 M102



VAV TERMINAL SCHEMATIC

NOT TO SCALE

2 M102



NOTE:16 GA. G.I. DUCT FOR R.A. PLENUMS TYPICAL.

RTU–3 R.A. DUCT DETAIL

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

7 M102

LEGEND:

BD	BALANCING DAMPER WITH LOCKING QUADRANT
TR	THROUGH ROOF
Ⓢ	TEMPERATURE SENSOR
CO_2	CARBON DIOXIDE SENSOR
SD	SPLITTER DAMPER
TV	TURNING VANES
FC	FLEXIBLE DUCT CONNECTOR
AP	ACCESS PANEL
S/FD	UL LABELED SMOKE/FIRE DAMPER

AS BUILT INFORMATION

CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

MICRO–FILM INFORMATION

RECORDED BY — DATE:
NO.

BENCH MARK

C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER 7/24/02

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	DRC & PLAN CHECK REVISIONS	

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI–GENERATIONAL CENTER
HVAC DETAILS

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG – 1 2002 CITY ENGINEER

Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L–21–Z
Sheet 42 Of 49
M102

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13–01

ENERGY CODE COMPLIANCE

Model Energy Code, 1992 Edition

GENERAL INFORMATION:

Project: MANZANO MESA GYMNASIUM
Location: ALBUQUERQUE, NM
Latitude: 35° N
Heating Degree Days: 4332
Gross Floor Area: 10,000 S.F.

Building Type: SINGLE STORY NON-RESIDENTIAL

Design Temperatures:
Outside Winter: 16 °F (DB)
Outside Summer: 94 °F (DB)
65 °F (WB)
Inside Winter: 70 °F (DB)
Inside Summer: 75 °F (DB)

HEATING CRITERIA:	Required by Code	Actual Bldg. Design
Building Exposure:		
Overall Wall Transmission Value (Uo)	0.31	0.135
Overall Roof Transmission Value (Uo)	0.089	0.075
Overall Floor Transmission Value(Uo)	NA	NA
Overall Building Transmission Value(Uo)	0.214	0.109
Req'd R-Value of Perimeter Insulation	4.0	5.0

COOLING CRITERIA:	Required by Code	Actual Bldg. Design
Building Exposure:		
Overall Wall Thermal Transfer Value (OTTVw)	32.1	9.70
Overall Roof Thermal Transfer Value (OTTVr)	8.5	5.30

AIR INFILTRATION RATES:	Required by Code	Actual Bldg. Design
Exterior Doors (CFM/LF Crack)	11.0	11.0
Exterior Glazing (CFM/LF Crack)	0.34	0.34

BUILDING MECHANICAL SYSTEMS: System Description	Required COP/EER/EFF	Actual COP/EER/EFF
Cooling: DX COOLING W/ INDIRECT EVAP.	8.2	9.5 +
Heating: GAS WARM AIR	0.80	0.80

DUCTWORK INSULATION: Duct System Location:	Required by Code	Actual Bldg. Design
Interior	NA	5.3
Exterior	NA	NA

PIPING INSULATION:
✓ All insulation meets or exceeds the minimum requirements specified in Tables 503.11 and/or 504.7 of MEC – 92.

DOMESTIC WATER HEATERS:
NA All equipment specified is designed in compliance with Section 504 of MEC – 92.
System Description:
Electric Water Heater: 4.0 W/SF.
Gas Water Heater: 80 % EFF.
Domestic (Service) HW Supply Temperature: 110 F

PLUMBING SYSTEMS:
✓ Conservation of hot water is specified in accordance with Section 504 of the MEC–92.

OUTDOOR AIR VENTILATION SCHEDULE:

SPACE NAME	RM. NO.	OCCUPANT LOAD	MIN. OUTDOOR AIR CFM PER PERSON*	DESIGN MIN. OUTDOOR CFM PER SPACE
◇ GYM	101	524	15	7860/2=3630
WOMENS TOILET	104	4	50	200
MENS TOILET	105	4	50	200

* FROM ASHRAE STANDARD 62–1989, TABLE 2.
◇ INTERMITTENT OCCUPANCY AS DEFINED BY ASHRAE 62–1989 SECTION 6.1.3.4

GENERAL NOTES – HVAC

- VOLTAGE AND PHASE FOR ALL MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE VOLTAGE AND PHASE OF ALL MECHANICAL EQUIPMENT WITH THE ELECTRICAL ENGINEER BEFORE ORDERING.
- THE EXACT LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLES, DUCTWORK, AND ALL OTHER CEILING MOUNTED MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH THE CEILING CONTRACTOR AND THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- ALL FIRE SAFING WILL BE DONE BY THE GENERAL CONTRACTOR.
- ALL ROOF PENETRATIONS AND EQUIPMENT SUPPORTS ON THE ROOF SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.
- ANY CHANGE IN DUCT DIMENSIONS AND ANY CHANGE IN ROUTING DUE TO STRUCTURAL AND/OR EXISTING CONDITIONS SHALL BE DETERMINED AND RESOLVED BEFORE DUCT FABRICATION IS STARTED.
- ALL DUCT DIMENSIONS ARE FREE INSIDE DIMENSIONS.
- INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT AGAINST STRUCTURE, UNLESS OTHERWISE NOTED.
- ALL DUCT JOINTS, LONGITUDINAL AND TRANSVERSE, SHALL BE SEALED WITH UNITED DUCT SEALER BY UNITED McGILL CORP.
- FLEXIBLE DUCTS SHALL BE THERMAFLEX M–KC AND THE LENGTH SHALL BE 4'–0" MAXIMUM. NO FLEXIBLE DUCT IS ALLOWED ABOVE HARD CEILINGS.

VARIABLE AIR VOLUME TERMINAL UNITS

MARK	MODEL	SIZE	MAX. CFM	INLET S.P. REQ.in.W.G.	MIN. CFM	REQ.REHEAT CAP. Btuh	H.W. COIL	GPM	WPD (ft)	VALVE Cv
3–01	VCWF	10	718	0.27	79	9,200	STD	1.0	2.9	0.7
3–02	VCWF	05	130	0.19	84	2,300	STD	0.5	0.5	0.7
3–03	VCWF	05	102	0.19	102	4,400	STD	0.5	0.5	0.7
3–04	VCWF	05	62	0.19	62	1,300	STD	0.5	0.5	0.7
3–05	VCWF	05	164	0.19	50	7,800	STD	1.0	2.0	0.7

AS MANUFACTURED BY TRANE CO. ALL TERMINALS ARE SHUTOFF TYPE WITH HOT WATER COIL. CASING IS 22 GA. GALVANIZED STEEL. INTERIOR SURFACE OF CASING IS ACOUSTICALLY AND THERMALLY LINED WITH 1", R–4.3 FOIL FACED INSULATION WHICH MEETS NFPA 90A, UL 181 AND ASTM C 665 STANDARDS. EXTERNALLY MOUNTED ELECTRIC AIR VALVE ACTUATOR. INLET IS AN 18 GA. GALVANIZED STEEL CYLINDER. MAXIMUM LEAK RATE IS 1 % AT 4" W.G. INLET STATIC PRESSURE. UNITS ARE UL LISTED. HOT WATER COILS ARE FACTORY MOUNTED. LEFT OR RIGHT HAND CONNECTIONS AS INDICATED ON DRAWINGS. COILS LEAK TESTED AT 300 psig AIR PRESSURE UNDER WATER. UNITS TO HAVE FACTORY MOUNTED CONTROL TRANSFORMER AND FUSED DISCONNECT.

NOISE CRITERIA RATINGS SHALL NOT EXCEED 30 MAX. N.C. FOR EITHER RADIATED OR DISCHARGE.

NC (NOISE CRITERIA) RATINGS ARE BASED ON ASSUMPTIONS STATED IN TRANE CATALOGUE VAV–DS–11 (DEC.'92) AT MAXIMUM CFM, 3.0" MAX. INLET PRESSURE.

HEATING CAPACITY SHOWN IS REQUIRED COIL CAPACITY WITH STATED GPM AND 180° F EWT, 55°F EAT AND 0.00025 FOULING FACTOR AT MIN. CFM.

STD. = STANDARD HEATING COIL, HC = HIGH CAPACITY HEATING COIL.

EXHAUST FAN SCHEDULE:

SYMBOL	ROOM NO.	MODEL	CFM	EXT.ST. PRESS. IN. W.C.	SONES	MOTOR	OPER. WEIGHT LBS.	NOTES
EF–1	104	FX11R	431	0.3	7.0	1/7 HP	40	1
EF–2	105	FX11R	431	0.3	7.0	1/7 HP	40	1
EF–3	109	Z5H	102	0.25	2.8	1/60 HP	15	2
EF–4	108	FX13B	1,138	0.25	8.5	1/6HP	53	3
EF–5	109	Z5H	102	0.25	2.8	1/60 HP	15	4

ALL EXHAUST FANS AS MANUFACTURED BY PENN VENTILATION. ALL FANS RATED AT 5,300 FT. ELEVATION.

NOTE 1: 115v/60hz/1ph DIRECT DRIVE MOTOR. PENN ROOF CURB. MOTORIZED DAMPER. HINGED CURB CAP KIT. GALVANIZED BIRDSCREEN. DISCONNECT SWITCH. CURB SEAL. FAN CONTROLLED BY CENTRAL DIGITAL CONTROL SYSTEM. FAN TO RUN WHEN BUILDING IS OCCUPIED. MOTOR COMPLIES WITH UL –705

NOTE 2: 115v/60hz/1ph MOTOR. 6" DIAM. DUCT THROUGH ROOF TO CURB MOUNTED ROOF CAP. FAN CONTROLLED BY WALL SWITCH.

NOTE 3: 115v/60hz/1ph DIRECT DRIVE MOTOR. PENN ROOF CURB. GRAVITY DAMPER. GALVANIZED BIRDSCREEN. DISCONNECT SWITCH. CURB SEAL. FAN CONTROLLED BY LINE VOLTAGE WALL THERMOSTAT. FAN TO RUN WHEN ROOM TEMPERATURE RISES TO 85 F. MOTOR COMPLIES WITH UL–705.

NOTE 4: 115v/60hz/1ph MOTOR. 6" DIAM. DUCT THROUGH ROOF TO CURB MOUNTED ROOF CAP. FAN CONTROLLED BY CENTRAL DIGITAL CONTROL SYSTEM.

ROOFTOP AIR CONDITIONING UNITS SCHEDULE: SEE MECHANICAL SPECIFICATION 15780.

MARK	MODEL	SUPPLY CFM	SUPPLY FAN HP (1)	RETURN FAN HP (2)	OUTSIDE AIR (MIN.) CFM	REQUIRED COOLING CAP. MBH (3)	INDIRECT COOLING CAP. MBH (4)	DX COOLING CAPACITY MBH (5)	HEAT RECOVERY CAPACITY MBH (6)	NAT. GAS INPUT CAP. MBH (7)	UNIT MCA (8)	UNIT WEIGHT (MAX. OPER.) LBS. (9)
RTU–3	SFHFC404H (ACER 84)	16,648	30	2x 3 HP	4,000	408	265	432.75 TOT. 432.75 SENS.	40	850	140	12,500

NOTES:
1. BASED ON 3.0" EXTERNAL STATIC PRESSURE.
2. BASED ON 1.0" EXTERNAL STATIC PRESSURE.
3. COOLING REQUIRED FOR 52°F LAT@ 96 / 60°F OUTSIDE AIR DESIGN TEMPERATURE, RETURN AIR TEMPERATURE OF 83.9° / 61.3°F AND AT 5,300 FT. ELEVATION.
4. COOLING DONE TO OUTSIDE AIR LOAD BY INDIRECT COOLING SECTION. ESTIMATED.
5. TOTAL GROSS COOLING CAPACITY AVAILABLE FROM DIRECT EXPANSION COIL BASED UPON DESIGN CONDITIONS.
6. HEAT RECOVERED THROUGH HEAT EXCHANGER AT DESIGN HEATING CONDITIONS OF 16°F OUTSIDE AIR AND 75°F RETURN AIR AT REQUIRED OUTSIDE AIR MIN. CFM. ESTIMATED.
7. INPUT AT SEA LEVEL. ORIFICES SIZED FOR 5,300 FT. ELEV. FULL MODULATION.
8. UNIT POWER: 480 v/60 hz/3 ph.
9. OPERATING WEIGHT INCLUDES TRANE STANDARD ROOF CURB.

FACTORY INSTALLED OPTIONS TO BE INCLUDED:
1. VAV SUPPLY AIR TEMPERATURE CONTROL WITH VARIABLE FREQUENCY DRIVES AND BYPASS. DRIVES MOUNTED IN RTU. DISCHARGE AIR MICROPROCESSOR CONTROLLER AND DISCHARGE AIR SENSOR.
2. EXHAUST FAN VARIABLE FREQUENCY DRIVE WITH "STATITRAC". DRIVE MOUNTED IN UNIT. MODULATES THE SPEED OF THE DRIVE IN RESPONSE TO BUILDING PRESSURE. TRANE "STATITRAC" USES A DIFFFERENTIAL PRESSURE TRANSDUCER TO COMPARE INDOOR STATIC PRESSURE TO ATMOSPHERIC PRESSURE AND MAINTAIN THE SCHEDULED SET POINT.
3. MOUNTED ON TRANE STANDARD ROOF CURB.
4. ULTRA LOW LEAK OUTSIDE AIR DAMPERS.
5. UNIT TO HAVE A FORWARD CURVED FAN FOR SUPPLY AIR.
6. VENTILATION OVERRIDE MODULE (VOM) FOR SMOKE REMOVAL MODE OF OPERATION. WIRED TO SMOKE DETECTORS. SMOKE DETCTORS FURNISHED AND INSTALLED UNDER DIVISION 16, SEE ELECTRICAL DRAWINGS.
7. SPECIAL PAINT COLOR, COORDINATE WITH ARCHITECT BEFORE ORDERING. NO FIELD PAINTING FOR UNIT.
8. TRACER CONTROL SYSTEM WITH PERSONAL COMPUTER AND 15" MONITOR. TRANE COMMUNICATIONS INTERFACE MODULE.
9. GFI CONVIENCE OUTLET (FACTORY POWERED).
10. EXTENDED GREASE LINES FOR GREASING SUPPLY AND RETURN FAN BEARINGS THROUGH FILTER ACCESS DOORS.
11. HIGH–EFFICIENCY, 2" THICK, THROW–A–WAY FILTERS AND FILTER RACK. 90 % ARRESTANCE AS TESTED IN ACCORDANCE WITH ASHRAE 52–76.

NOTE: TRAP CONDENSATE DRAIN AT UNIT AND PIPE DRAIN AS SHOWN ON PLUMBING DRAWINGS.

SOUND POWER LEVELS [WITH STANDARD TRANE ROOF CURB]

SOUND POWER BY OCTAVE BAND, dB

	1	2	3	4	5	6	7	8
RETURN (INLET)	90	87	80	76	74	72	67	--
DISCHARGE	99	93	87	86	83	80	77	74

AIR OUTLET SCHEDULE: ◯

MARK	SIZE	MODEL
A	60"x 6 x 1"SLOTS	ML–39 BT–4
B	18" x 18"/14"Φ	TDC–4 BT–1
C	6" x 6"	TDC–3 BT–1–AG–95
D	6" x 6"	TDC–4 BT–1
E	6" x 6"	300RL AG–15
F	12" x 12"	50F – 1"x1"x1" CORE BT–3
G	46" x 46"	355–ZR –HD
H	10" x 6"	350–R
I	30" x 8"	350–R
J	6" x 6"	TDC–3 BT–1
K	12" x 12"	50F – 1"x1"x1" CORE BT–1
L	24" x 16"	350–R
M	14" x 14"	50F – 1"x1"x1" CORE BT–1
N	6" x 6"	TDC–G2 BT–1–AG–95

AS MANUFACTURED BY TITUS. ALL OUTLETS SHALL HAVE FACTORY APPLIED FINISH. COLOR AS SELECTED BY ARCHITECT.
"G" FRAME SIZE SPECIFIED TO FIT WITH WALL PANEL SYSTEM.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,461,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWREY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS/REMARKS	BY	DATE
	DESIGNED BY:	G.E.I.	DATE: 2/12/02
	DRAWN BY:	G.E.I.	DATE: 2/12/02
	CHECKED BY:	J.E.L.	DATE: 2/12/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI–GENERATIONAL CENTER
HVAC SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92 | Zone Map No. L–21–Z | Sheet M103 Of

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505–268–5421 FAX 505–268–5421

13–01

ENERGY CODE COMPLIANCE

Model Energy Code, 1992 Edition

GENERAL INFORMATION:

Project: MANZANO MESA GYMNASIUM
Location: ALBUQUERQUE, NM
Latitude: 35° N
Heating Degree Days: 4332
Gross Floor Area: 10,000 S.F.

Design Temperatures:
Outside Winter: 16 °F (DB)
Outside Summer: 94 °F (DB) / 65 °F (WB)
Inside Winter: 70 °F (DB)
Inside Summer: 75 °F (DB)

Building Type: SINGLE STORY NON-RESIDENTIAL

HEATING CRITERIA:	Required by Code	Actual Bldg. Design
Building Exposure:		
Overall Wall Transmission Value (Uo)	0.31	0.135
Overall Roof Transmission Value (Uo)	0.089	0.075
Overall Floor Transmission Value(Uo)	NA	NA
Overall Building Transmission Value(Uo)	0.214	0.109
Req'd R-Value of Perimeter Insulation	4.0	5.0

COOLING CRITERIA:	Required by Code	Actual Bldg. Design
Building Exposure:		
Overall Wall Thermal Transfer Value (OTTVw)	32.1	9.70
Overall Roof Thermal Transfer Value (OTTVr)	8.5	5.30

AIR INFILTRATION RATES:	Required by Code	Actual Bldg. Design
Exterior Doors (CFM/LF Crack)	11.0	11.0
Exterior Glazing (CFM/LF Crack)	0.34	0.34

BUILDING MECHANICAL SYSTEMS:	Required COP/EER/EFF	Actual COP/EER/EFF
System Description		
Cooling: DX COOLING W/ INDIRECT EVAP.	8.2	9.5 +
Heating: GAS WARM AIR	0.80	0.80

DUCTWORK INSULATION:	Required by Code	Actual Bldg. Design
Duct System Location:		
Interior	NA	5.3
Exterior	NA	NA

PIPING INSULATION:
✓ All insulation meets or exceeds the minimum requirements specified in Tables 503.11 and/or 504.7 of MEC - 92.

DOMESTIC WATER HEATERS:
NA All equipment specified is designed in compliance with Section 504 of MEC - 92.

System Description:
Electric Water Heater: 4.0 W/SF.
Gas Water Heater: 80 % EFF.
Domestic (Service) HW Supply Temperature: 110 F

PLUMBING SYSTEMS:
✓ Conservation of hot water is specified in accordance with Section 504 of the MEC-92.

OUTDOOR AIR VENTILATION SCHEDULE:

SPACE NAME	RM. NO.	OCCUPANT LOAD	MIN. OUTDOOR AIR CFM PER PERSON*	DESIGN MIN. OUTDOOR CFM PER SPACE
◇ GYM	101	524	15	7860/2=3630
WOMENS TOILET	104	4	50	200
MENS TOILET	105	4	50	200

* FROM ASHRAE STANDARD 62-1989, TABLE 2.
◇ INTERMITTENT OCCUPANCY AS DEFINED BY ASHRAE 62-1989 SECTION 6.1.3.4

GENERAL NOTES - HVAC

- VOLTAGE AND PHASE FOR ALL MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE VOLTAGE AND PHASE OF ALL MECHANICAL EQUIPMENT WITH THE ELECTRICAL ENGINEER BEFORE ORDERING.
- THE EXACT LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLES, DUCTWORK, AND ALL OTHER CEILING MOUNTED MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH THE CEILING CONTRACTOR AND THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- ALL FIRE SAFING WILL BE DONE BY THE GENERAL CONTRACTOR.
- ALL ROOF PENETRATIONS AND EQUIPMENT SUPPORTS ON THE ROOF SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.
- ANY CHANGE IN DUCT DIMENSIONS AND ANY CHANGE IN ROUTING DUE TO STRUCTURAL AND/OR EXISTING CONDITIONS SHALL BE DETERMINED AND RESOLVED BEFORE DUCT FABRICATION IS STARTED.
- ALL DUCT DIMENSIONS ARE FREE INSIDE DIMENSIONS.
- INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT AGAINST STRUCTURE, UNLESS OTHERWISE NOTED.
- ALL DUCT JOINTS, LONGITUDINAL AND TRANSVERSE, SHALL BE SEALED WITH UNITED DUCT SEALER BY UNITED McGILL CORP.
- FLEXIBLE DUCTS SHALL BE THERMAFLEX M-KC AND THE LENGTH SHALL BE 4'-0" MAXIMUM. NO FLEXIBLE DUCT IS ALLOWED ABOVE HARD CEILINGS.

VARIABLE AIR VOLUME TERMINAL UNITS

MARK	MODEL	SIZE	MAX. CFM	INLET S.P. REQ.in.W.G.	MIN. CFM	REQ.REHEAT CAP. Btuh	H.W. COIL	GPM	WPD (ft)	VALVE Cv
3-01	VCWF	10	718	0.27	79	9,200	STD	1.0	2.9	0.7
3-02	VCWF	05	130	0.19	84	2,300	STD	0.5	0.5	0.7
3-03	VCWF	05	102	0.19	102	4,400	STD	0.5	0.5	0.7
3-04	VCWF	05	62	0.19	62	1,300	STD	0.5	0.5	0.7
3-05	VCWF	05	164	0.19	50	7,800	STD	1.0	2.0	0.7

AS MANUFACTURED BY TRANE CO. ALL TERMINALS ARE SHUTOFF TYPE WITH HOT WATER COIL. CASING IS 22 GA. GALVANIZED STEEL. INTERIOR SURFACE OF CASING IS ACOUSTICALLY AND THERMALLY LINED WITH 1", R-4.3 FOIL FACED INSULATION WHICH MEETS NFPA 90A, UL 181 AND ASTM C 665 STANDARDS. EXTERNALLY MOUNTED ELECTRIC AIR VALVE ACTUATOR. INLET IS AN 18 GA. GALVANIZED STEEL CYLINDER. MAXIMUM LEAK RATE IS 1 % AT 4" W.G. INLET STATIC PRESSURE. UNITS ARE UL LISTED. HOT WATER COILS ARE FACTORY MOUNTED. LEFT OR RIGHT HAND CONNECTIONS AS INDICATED ON DRAWINGS. COILS LEAK TESTED AT 300 psig AIR PRESSURE UNDER WATER. UNITS TO HAVE FACTORY MOUNTED CONTROL TRANSFORMER AND FUSED DISCONNECT.

NOISE CRITERIA RATINGS SHALL NOT EXCEED 30 MAX. N.C. FOR EITHER RADIATED OR DISCHARGE.

NC (NOISE CRITERIA) RATINGS ARE BASED ON ASSUMPTIONS STATED IN TRANE CATALOGUE VAV-DS-11 (DEC.'92) AT MAXIMUM CFM, 3.0" MAX. INLET PRESSURE.

HEATING CAPACITY SHOWN IS REQUIRED COIL CAPACITY WITH STATED GPM AND 180° F EWT, 55°F EAT AND 0.00025 FOULING FACTOR AT MIN. CFM.

STD. = STANDARD HEATING COIL, HC = HIGH CAPACITY HEATING COIL.

EXHAUST FAN SCHEDULE:

SYMBOL	ROOM NO.	MODEL	CFM	EXT.ST. PRESS. IN. W.C.	SONES	MOTOR	OPER. WEIGHT LBS.	NOTES
EF-1	104	CUE-90-G	431	0.3	5.9	1/25 HP	40	1
EF-2	105	CUE-90-G	431	0.3	5.9	1/25 HP	40	1
EF-3	109	SP-216	95	0.25	2.0	53 W	15	2
EF-4	108	CUE-120-B	1,138	0.25	8.5	1/6 HP	53	3
EF-5	110	SP-216	95	0.25	2.0	53 W	15	4

ALL EXHAUST FANS AS MANUFACTURED BY GREENHECK. ALL FANS RATED AT 5,300 FT. ELEVATION.

NOTE 1: 115v/60hz/1ph DIRECT DRIVE MOTOR. GREENHECK GPI-19-G12 ROOF CURB. MOTORIZED DAMPER. HINGED CURB CAP KIT. GALVANIZED BIRDSCREEN. DISCONNECT SWITCH. CURB SEAL. FAN CONTROLLED BY CENTRAL DIGITAL CONTROL SYSTEM. FAN TO RUN WHEN BUILDING IS OCCUPIED. MOTOR COMPLIES WITH UL-705.

NOTE 2: 115v/60hz/1ph MOTOR. 6" DIAM. DUCT THROUGH ROOF TO RCC-7 CURB MOUNTED ROOF CAP. FAN CONTROLLED BY WALL SWITCH.

NOTE 3: 115v/60hz/1ph DIRECT DRIVE MOTOR. GREENHECK GPI-22-G12 ROOF CURB. GRAVITY DAMPER. GALVANIZED BIRDSCREEN. DISCONNECT SWITCH. CURB SEAL. FAN CONTROLLED BY LINE VOLTAGE WALL THERMOSTAT. FAN TO RUN WHEN ROOM TEMPERATURE RISES TO 85 F. MOTOR COMPLIES WITH UL-705.

NOTE 4: 115v/60hz/1ph MOTOR. 6" DIAM. DUCT THROUGH ROOF TO RCC-7 CURB MOUNTED ROOF CAP. FAN TO RUN WHEN BUILDING IS OCCUPIED.

ROOFTOP AIR CONDITIONING UNITS SCHEDULE: SEE MECHANICAL SPECIFICATION 15780.

MARK	MODEL	SUPPLY CFM	SUPPLY FAN HP (1)	RETURN FAN HP (2)	OUTSIDE AIR (MIN.) CFM	REQUIRED COOLING CAP. MBH (3)	INDIRECT COOLING CAP. MBH (4)	DX COOLING CAPACITY MBH (5)	HEAT RECOVERY CAPACITY MBH (6)	NAT. GAS INPUT CAP. MBH (7)	UNIT MCA (8)	UNIT WEIGHT (MAX. OPER.) LBS. (9)
RTU-3	SFHFC404H (ACER 84)	16,648	30	2x 3 HP	4,000	408	265	432.75 TOT. 432.75 SENS.	40	850	140	12,500

NOTES:
1. BASED ON 3.0" EXTERNAL STATIC PRESSURE.
2. BASED ON 1.0" EXTERNAL STATIC PRESSURE.
3. COOLING REQUIRED FOR 52°F LAT@ 96 / 60°F OUTSIDE AIR DESIGN TEMPERATURE, RETURN AIR TEMPERATURE OF 83.9° / 61.3°F AND AT 5,300 FT. ELEVATION.
4. COOLING DONE TO OUTSIDE AIR LOAD BY INDIRECT COOLING SECTION. ESTIMATED.
5. TOTAL GROSS COOLING CAPACITY AVAILABLE FROM DIRECT EXPANSION COIL BASED UPON DESIGN CONDITIONS.
6. HEAT RECOVERED THROUGH HEAT EXCHANGER AT DESIGN HEATING CONDITIONS OF 16°F OUTSIDE AIR AND 75°F RETURN AIR AT REQUIRED OUTSIDE AIR MIN. CFM. ESTIMATED.
7. INPUT AT SEA LEVEL. ORIFICES SIZED FOR 5,300 FT. ELEV. FULL MODULATION.
8. UNIT POWER: 480 v/60 hz/3 ph.
9. OPERATING WEIGHT INCLUDES TRANE STANDARD ROOF CURB.

FACTORY INSTALLED OPTIONS TO BE INCLUDED:

1. VAV SUPPLY AIR TEMPERATURE CONTROL WITH VARIABLE FREQUENCY DRIVES AND BYPASS. DRIVES MOUNTED IN RTU. DISCHARGE AIR MICROPROCESSOR CONTROLLER AND DISCHARGE AIR SENSOR.
2. EXHAUST FAN VARIABLE FREQUENCY DRIVE WITH "STATITRAC". DRIVE MOUNTED IN UNIT. MODULATES THE SPEED OF THE DRIVE IN RESPONSE TO BUILDING PRESSURE. TRANE "STATITRAC" USES A DIFFFERENTIAL PRESSURE TRANSDUCER TO COMPARE INDOOR STATIC PRESSURE TO ATMOSPHERIC PRESSURE AND MAINTAIN THE SCHEDULED SET POINT.
3. MOUNTED ON TRANE STANDARD ROOF CURB.
4. ULTRA LOW LEAK OUTSIDE AIR DAMPERS.
5. UNIT TO HAVE A FORWARD CURVED FAN FOR SUPPLY AIR.
6. VENTILATION OVERRIDE MODULE (VOM) FOR SMOKE REMOVAL MODE OF OPERATION. WIRED TO SMOKE DETECTORS. SMOKE DETCTORS FURNISHED AND INSTALLED UNDER DIVISION 16, SEE ELECTRICAL DRAWINGS.
7. SPECIAL PAINT COLOR, COORDINATE WITH ARCHITECT BEFORE ORDERING. NO FIELD PAINTING FOR UNIT.
8. TRACER CONTROL SYSTEM WITH PERSONAL COMPUTER AND 15" MONITOR. TRANE COMMUNICATIONS INTERFACE MODULE.
9. GFI CONVIENCE OUTLET (FACTORY POWERED).
10. EXTENDED GREASE LINES FOR GREASING SUPPLY AND RETURN FAN BEARINGS THROUGH FILTER ACCESS DOORS.
11. HIGH-EFFICIENCY, 2" THICK, THROW-A-WAY FILTERS AND FILTER RACK. 90 % ARRESTANCE AS TESTED IN ACCORDANCE WITH ASHRAE 52-76.

NOTE: TRAP CONDENSATE DRAIN AT UNIT AND PIPE DRAIN AS SHOWN ON PLUMBING DRAWINGS.

SOUND POWER LEVELS [WITH STANDARD TRANE ROOF CURB]

SOUND POWER BY OCTAVE BAND, dB

	1	2	3	4	5	6	7	8
RETURN (INLET)	90	87	80	76	74	72	67	--
DISCHARGE	99	93	87	86	83	80	77	74

AIR OUTLET SCHEDULE: ◯

MARK	SIZE	MODEL
A	60"x 6 x 1"SLOTS	ML-39 BT-4
B	18" x 18"/14"Φ	TDC-4 BT-1
C	6" x 6"	TDC-3 BT-1-AG-95
D	6" x 6"	TDC-4 BT-1
E	6" x 6"	300RL AG-15
F	12" x 12"	50F - 1"x1"x1" CORE BT-3
G	46" x 46"	355-ZR -HD
H	10" x 6"	350-R
I	30" x 8"	350-R
J	6" x 6"	TDC-3 BT-1
K	12" x 12"	50F - 1"x1"x1" CORE BT-1
L	24" x 16"	350-R
M	14" x 14"	50F - 1"x1"x1" CORE BT-1
N	6" x 6"	TDC-G2 BT-1-AG-95

AS MANUFACTURED BY TITUS. ALL OUTLETS SHALL HAVE FACTORY APPLIED FINISH. COLOR AS SELECTED BY ARCHITECT.
"G" FRAME SIZE SPECIFIED TO FIT WITH WALL PANEL SYSTEM.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER. FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP
J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER 2/12/02

MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: G.E.I.	DATE: 2/12/02
		DRAWN BY: G.E.I.	DATE: 2/12/02
		CHECKED BY: J.E.L.	DATE: 2/12/02

7-22-02 DRC & PLANCHECK REVISIONS

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
HVAC SCHEDULES

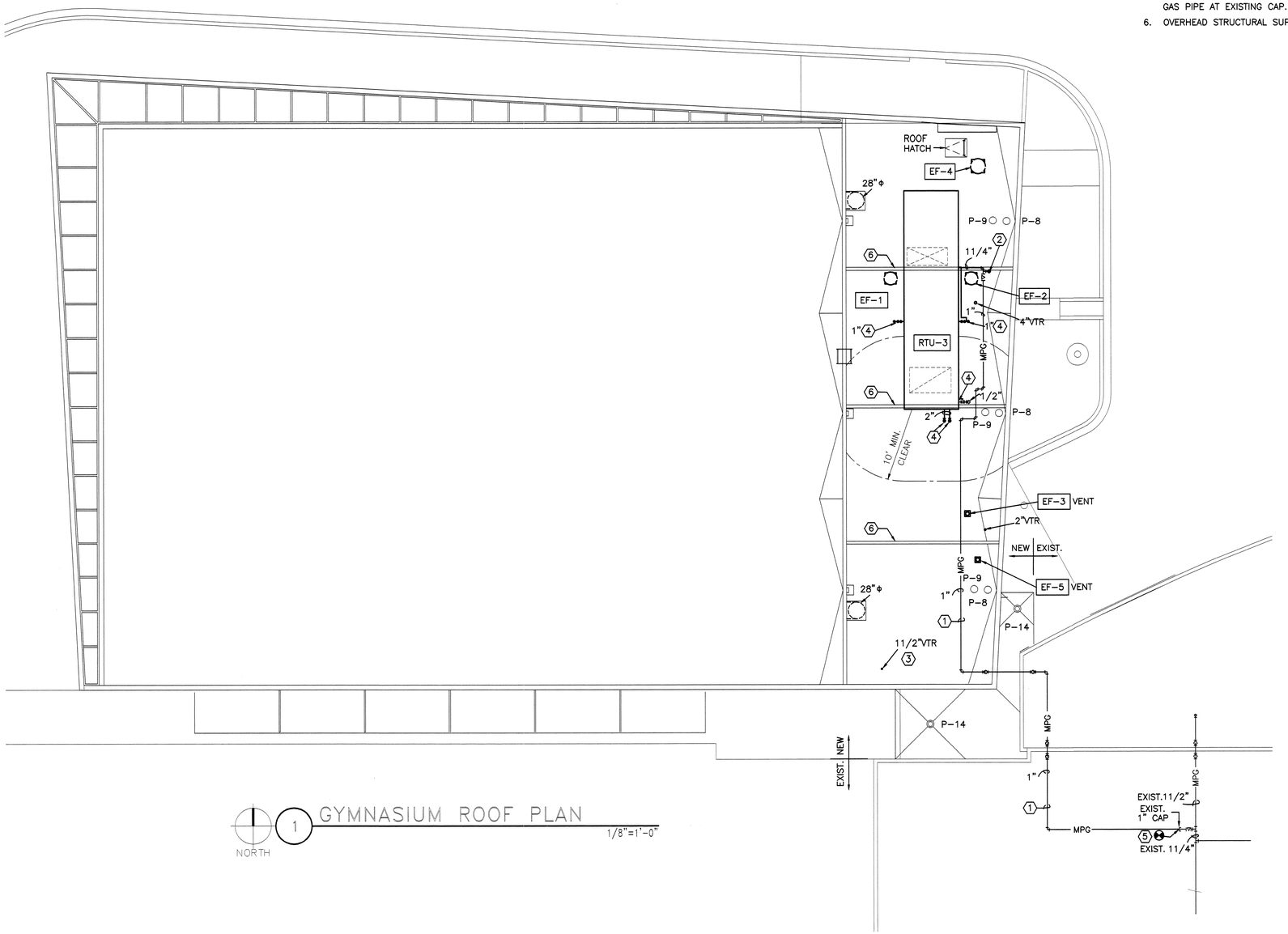
Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update: MO./DAY/YR. MO./DAY/YR.

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 43 Of 49
M103



1 GYMNASIUM ROOF PLAN

1/8"=1'-0"

NORTH

NOTES:

1. GAS PIPE ABOVE ROOF. SEE "PIPE SUPPORT DETAIL" (J/P103)
2. GAS PRESSURE REGULATOR. 850 CFH CAPACITY. 1.5" PSIG INLET PRESSURE, 7" W/C/ DISCHARGE PRESSURE. INSTALL GAS COCK UPSTREAM OF REGULATOR.
3. PIPE THROUGH ROOF IN APPROVED PENETRATION. COORDINATE WITH ROOFING CONTRACTOR. TYPICAL.
4. CONNECT PIPING TO UNIT WITH FLEXIBLE PIPING CONNECTOR. MASON INDUSTRIES, INC. MFTFU SERIES NEOPRENE CONNECTOR. USE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS. SUPPORT PIPING BY SECURING TO ROOF CURB.
5. CONNECT NEW MEDIUM PRESSURE GAS PIPING TO EXISTING MEDIUM PRESSURE GAS PIPE AT EXISTING CAP.
6. OVERHEAD STRUCTURAL SUPPORT. SEE ARCHITECTURAL DRAWINGS.

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

BENCH MARK

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER 2/12/02

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE IT'S ACCURACY, AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING OR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE. MARCH 30, 2004

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

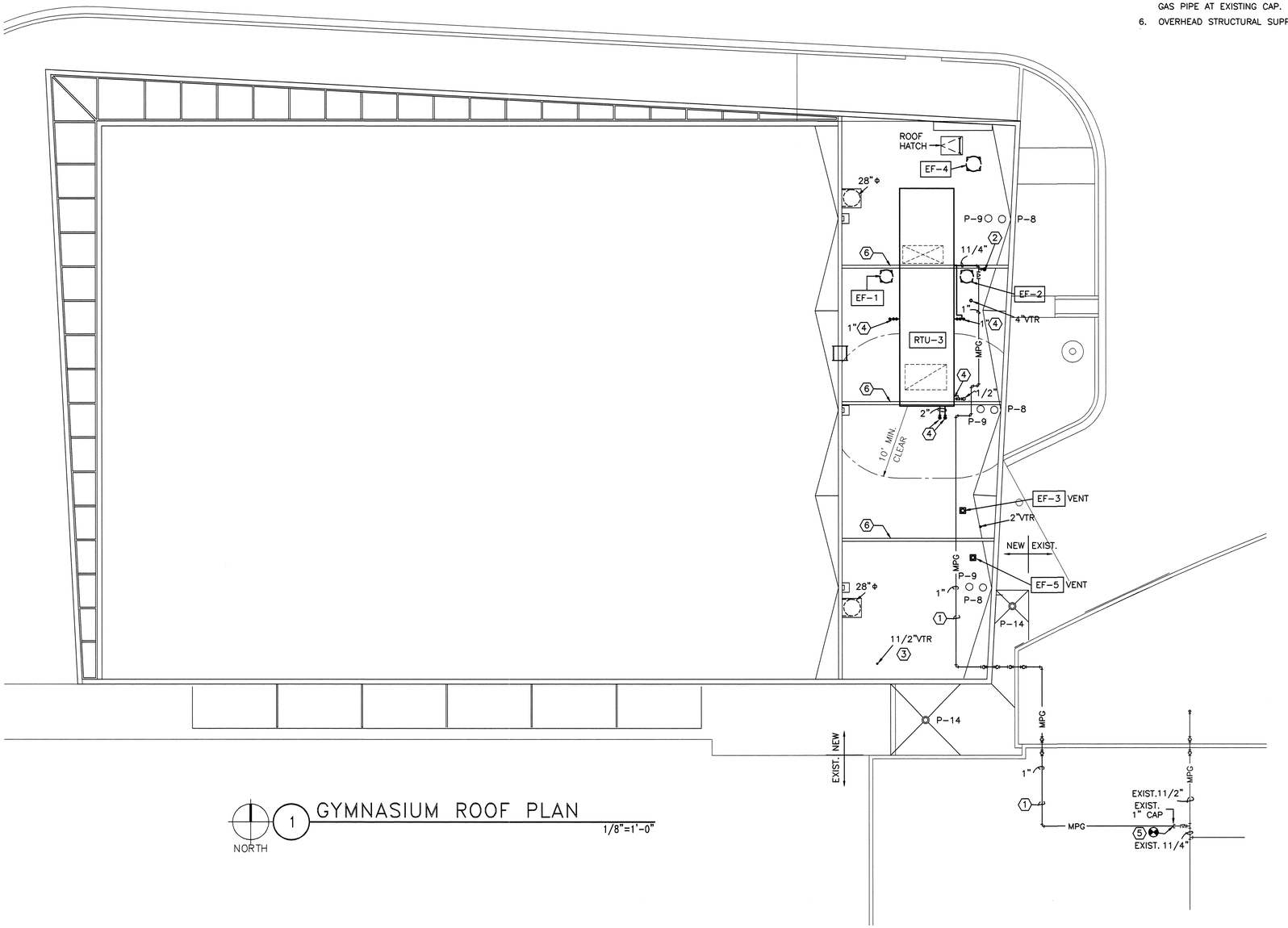
TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI-GENERATIONAL CENTER
HVAC ROOF PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.92 | Zone Map No. L-21-Z | Sheet M104 Of

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01



1 GYMNASIUM ROOF PLAN
1/8"=1'-0"

NORTH

NOTES:

1. GAS PIPE ABOVE ROOF. SEE "PIPE SUPPORT DETAIL" (5/P105)
2. GAS PRESSURE REGULATOR. 850 CFH CAPACITY. 1.5" PSIG INLET PRESSURE, 7" W/C/ DISCHARGE PRESSURE. INSTALL GAS COCK UPSTREAM OF REGULATOR.
3. PIPE THROUGH ROOF IN APPROVED PENETRATION. COORDINATE WITH ROOFING CONTRACTOR. TYPICAL.
4. CONNECT PIPING TO UNIT WITH FLEXIBLE PIPING CONNECTOR. MASON INDUSTRIES, INC. MFTFU SERIES NEOPRENE CONNECTOR. USE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS. SUPPORT PIPING BY SECURING TO ROOF CURB.
5. CONNECT NEW MEDIUM PRESSURE GAS PIPING TO EXISTING MEDIUM PRESSURE GAS PIPE AT EXISTING CAP.
6. OVERHEAD STRUCTURAL SUPPORT. SEE ARCHITECTURAL DRAWINGS.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER.	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK

C.O.A. BENCHMARK "8-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

ENGINEERS STAMP

J.E. LOWEY NEW MEXICO 7502 REGISTERED PROFESSIONAL ENGINEER 2/12/02

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	DRC & PLANCHECK REVISIONS	

DESIGNED BY: G.E.I. DATE: 2/12/02
DRAWN BY: G.E.I. DATE: 2/12/02
CHECKED BY: J.E.L. DATE: 2/12/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: **GYMNASIUM ADDITION**
MANZANO MESA MULTI-GENERATIONAL CENTER
HVAC ROOF PLAN

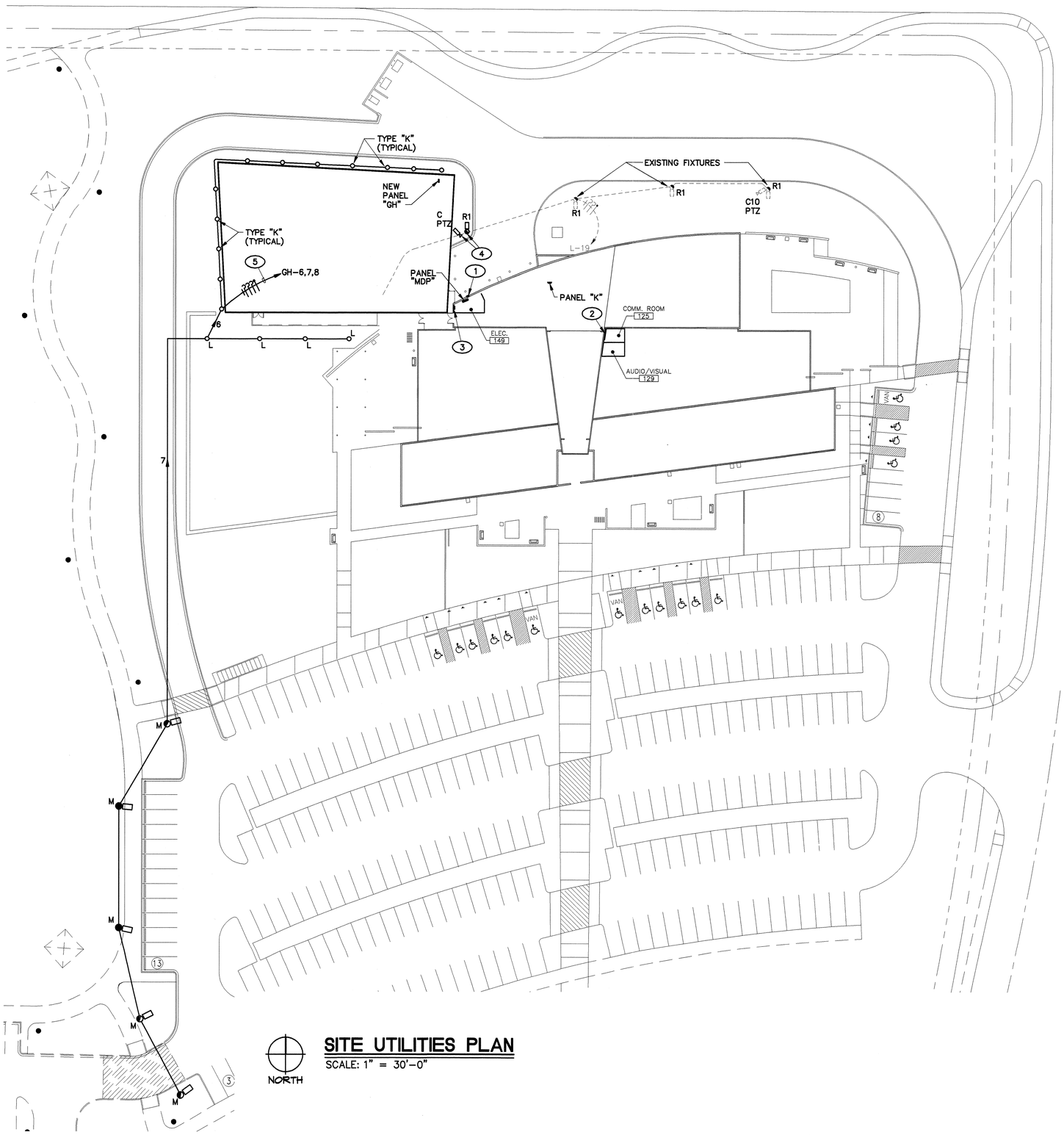
Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update: MO./DAY/YR. MO./DAY/YR.

GIOMI ENGINEERING, INC.
CONSULTING ENGINEERS
5901 Tokay Rd. NE
Albuquerque, NM 87107
Ph. 505-268-5421 FAX 505-268-5421

13-01

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 44 Of 49
M104



NORTH

SITE UTILITIES PLAN

SCALE: 1" = 30'-0"

KEYED NOTES

1 MAIN BUILDING SERVICE DISCONNECT SWITCH, REFER TO POWER RISER DIAGRAM.

2 COMMUNICATIONS BACKBOARD IN COMM. 125.

3 F.A. CONTROL PANEL.

4 INSTALL OWNER FURNISHED POLE FIXTURE AND CAMERA AT LOCATION SHOWN. RECONNECT AS REQUIRED.

5 EXTEND TO CIRCUIT INDICATED THRU TIME SWITCH/RELAY ADJACENT TO PANEL "GH".

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES.

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99986485

SURVEY INFORMATION
FIELD NOTES BY STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.

NO.	DATE
11599	

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: CME	DATE: 2/15/02
		DRAWN BY: CME	DATE: 2/15/02
		CHECKED BY: CME	DATE: 2/15/02

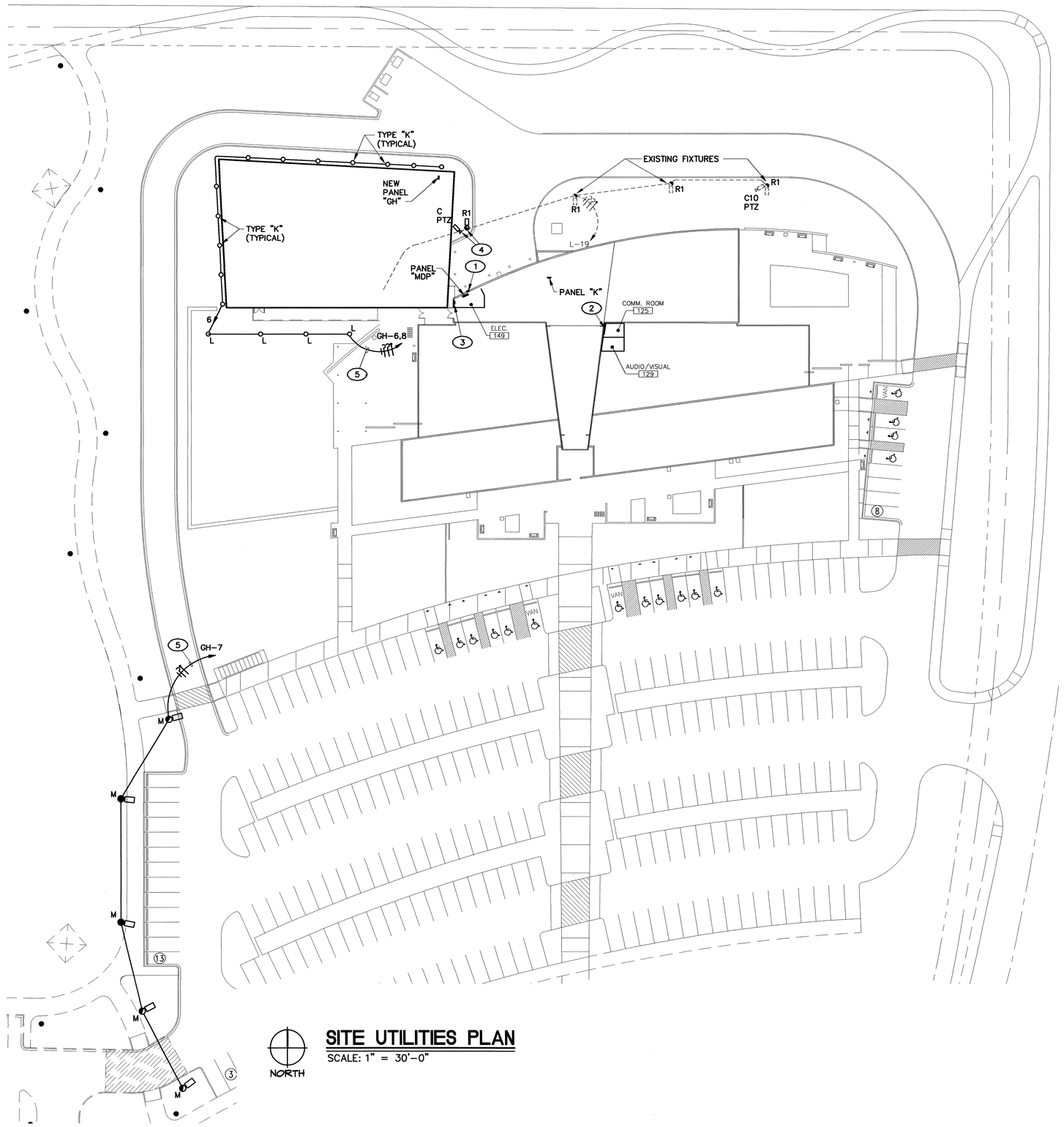
Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SITE UTILITIES PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.91 | Zone Map No. L-21-Z | Sheet E1.1



SITE UTILITIES PLAN

SCALE: 1" = 30'-0"

NORTH

KEYED NOTES

1 MAIN BUILDING SERVICE DISCONNECT SWITCH, REFER TO POWER RISER DIAGRAM.

2 COMMUNICATIONS BACKBOARD IN COMM. 125.

3 F.A. CONTROL PANEL.

4 INSTALL OWNER FURNISHED POLE FIXTURE AND CAMERA AT LOCATION SHOWN. RECONNECT AS REQUIRED.

5 EXTEND TO CIRCUIT INDICATED THRU TIME SWITCH/RELAY ADJACENT TO PANEL "GH".

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99984485

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	DRC & PLANCHECK REVISIONS	

DESIGNED BY: CME DATE: 2/15/02
DRAWN BY: CME DATE: 2/15/02
CHECKED BY: CME DATE: 2/15/02

DANIEL W. ROMERO JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER 7-23-02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

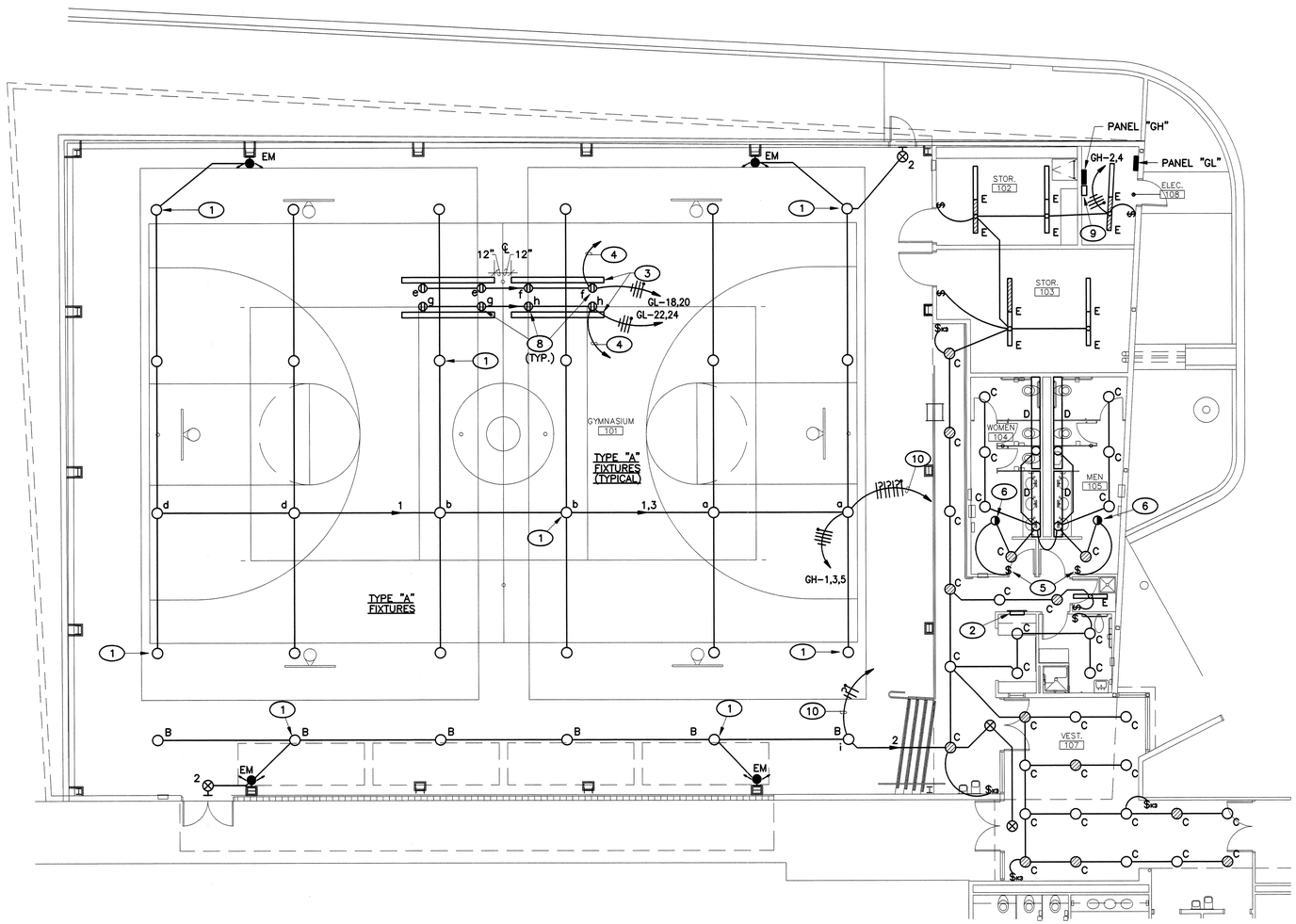
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SITE UTILITIES PLAN

Design Review Committee: APPROVED AUG 1 2002 REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 2002 CITY ENGINEER

Last Design Update: MO./DAY/YR. MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 45 of 49
E1.1



LIGHTING PLAN

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

NORTH

KEYED NOTES

1 INSTALL STANDBY QUARTZ LAMP IN THIS FIXTURE. PAINT A 2" SQUARE ORANGE (250 WATT TYPE "A" AND 150 WATT TYPE "B") PATCH ON THE SIDE OF THE REFLECTOR (MUST BE SEEN FROM FLOOR).

2 ALL SWITCHES FOR GYMNASIUM LIGHTING (INCLUDING SLIDE DIMMERS FOR STAGE LIGHTS) SHALL BE GANGED TOGETHER IN AN ENCLOSED LOCKABLE FLUSH CABINET. REFER TO GYM SWITCHING CABINET DETAIL.

3 PROVIDE AND INSTALL 4 EA. 2" PIPE BATTENS FOR STAGE LIGHTS SUSPENDED TWO FEET BELOW STRUCTURE. STAGE LIGHTS SHALL INCLUDE TWO 8-LIGHT CYCLORAMA UNITS TYPE "F" ON NORTH BATTENS AND TWO SPOTLIGHTS TYPE "G" ON SOUTH BATTENS. EACH OF THESE FIXTURES SHALL BE CONTROLLED BY A SEPARATE HEAVY-DUTY SLIDER-TYPE DIMMER SWITCH (4 DIMMERS). (VERIFY REQUIRED CORD LENGTH FOR FIXTURES.)

4 EXTEND TO DIMMER SWITCHES ON WALL (SEE KEYED NOTE 2). INSTALL A SPARE .75" CONDUIT TO GANGED SWITCH LOCATION FOR FUTURE CONTROLS.

5 3-POSITION KEYED SWITCH (ON-OFF-AUTO) FOR OVERRIDE OF OCCUPANCY SENSOR. REFER TO OCCUPANCY SENSOR CONTROL DIAGRAM.

6 ULTRASONIC OCCUPANCY SENSOR FOR CONTROL OF LIGHT FIXTURES IN THIS ROOM, WATT-STOPPER #W-500A COMPLETE WITH POWER PACK. MAKE ALL FINAL CONNECTIONS REQUIRED.

7 NOT USED.

8 MOUNT OUTLETS TO BOTTOM OF STRUCTURE. PROVIDE TWIST-LOCK RECEPTACLES AND MATCHING CAPS FOR FIXTURE CORDS.

9 TIME SWITCH, SEE DETAIL.

10 EXTEND TO SWITCH CABINET (NOTE #2).

Insert Delete

FIXTURE SCHEDULE

TYPE	VOLT	MANUFACTURER NUMBER	FIXTURE DESCRIPTION	QTY OF LAMPS	LAMP TYPE	MOUNTING
A	277	LUMARK #MHHM-SA18-W-400-MT-LL-TPPH-PHC-FL1-WG18/GLC	GYM FIXTURE, HI-BAY, LENSED MH	1	400W/MH	PENDANT, SEE DETAIL
B	277	LUMARK #MHHM-SA18-W-250-MT-LL-TPPH-PHC-FL1-WG18/GLC	GYM FIXTURE, HI-BAY, LENSED MH	1	250W/MH	PENDANT, SEE DETAIL
C	277	LITHONIA #AF-2-26TRT-8-AR-277	RECESSED DOWNLIGHT	2	26W/TRT	RECESSED
D	277	NEORAY #33DS118-FIELD MEASURE-277	WALL-TO-WALL TOILET FIXTURE SEE CLAR. #2	2	2/F032/841	WALL/CLG INTERSECTION CEILING MOUNTED
E	277	LITHONIA #C232	UTILITY STRIP WITH WIRE GUARD	2	2/F032/841	SURFACE
F	120	LEHIGH #LB-R40-8'-RED/GRN/BLU/AMB/CLR-1-C-CLAMP	STAGE LIGHTING, 8-LIGHT CYCLORAMA	8	150W/R40	BATTEN
G	120	LEHIGH #LF600-BTL-TLG-4WAY BARNDR	STAGE LIGHTING, 6" FRESNEL SPOTLIGHT	1	500W/QTZ	BATTEN
H	277	LITHONIA # 2SPG332	2 X 4 TROFFER WITH REGRESSED ALUM. DOOR	3	F032/735	RECESSED - LAY-IN
K	277	GREENELEE#RDB-150MH-277-FLV	GROUND MOUNTED UPLIGHT	1	150W/MH	GROUND
L	277	BEGA #8101MH (NO EQUAL)	POLE MOUNTED FIXTURE (MATCH EXISTING)	1	150W/MH	12'-0" POLE
M	277	BEGA #8101MH (NO EQUAL)	POLE MOUNTED FIXTURE (MATCH EXISTING)	1	150W/MH	20'-0" POLE
EM	277	LITHONIA #ELM4-SD WITH LEXAN GUARD	TWIN-EYE EMG. FIXTURE WITH SELF-DIAGNOSTICS FEATURE	***	FURNISH WITH FIXTURE	UP 8'-0" AFF
X	277	LITHONIA #LRP-1-RW-277/EL N	EXIT FIXTURE WITH SELF-DIAGNOSTICS FEATURE	***	FURNISH WITH FIXTURE	CEILIING MOUNT
X2	277	LITHONIA #LV-S-AB-R-277/EL N	VANDAL-RESISTANT EXIT FIXTURE WITH SELF-DIAGNOSTICS FEATURE	***	FURNISH WITH FIXTURE	ABOVE DOOR

NOTES:

1. PROVIDE T8 LAMPS WITH ALL FLUORESCENT FIXTURES AS CALLED FOR IN SPECIFICATION SECTION 16500.
2. PROVIDE ELECTRONIC BALLASTS WITH ALL FLUORESCENT FIXTURES AS CALLED FOR IN SPECIFICATION SECTION 16500 .
3. EMERGENCY BATTERY PACKS SHALL BE AS CALLED FOR ON PLANS AND LEGEND.
4. ALL LENSES IN FLUORESCENT FIXTURES SHALL BE AS CALLED FOR IN SPECIFICATION SECTION 16500.
5. FIXTURES WITH CATALOG INFORMATION LISTED ABOVE ARE USED AS A BASES OF QUALITY AND PERFORMANCE. SUBSTITUTIONS/PRIOR APPROVALS SHALL COMPLY WITH SCHEDULE AND SPECIFICATIONS. IF THE FIXTURE(S) PROPOSED FOR SUBSTITUTION DO NOT COMPLY, IN OUR OPINION, THEY WILL BE REJECTED.
6. THERE IS ADDITIONAL INFORMATION IN SPECIFICATION SECTION 16500 THAT SHALL BE FOLLOWED.
7. PROVIDE EXTRA HEAVY DUTY WIRE GUARD FOR FIXTURE TYPES EM, X AND X2.

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.76'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
RECORDED BY DATE:
NO.
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING	

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: CME	DATE: 2/15/02
		DRAWN BY: CME	DATE: 2/15/02
		CHECKED BY: CME	DATE: 2/15/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

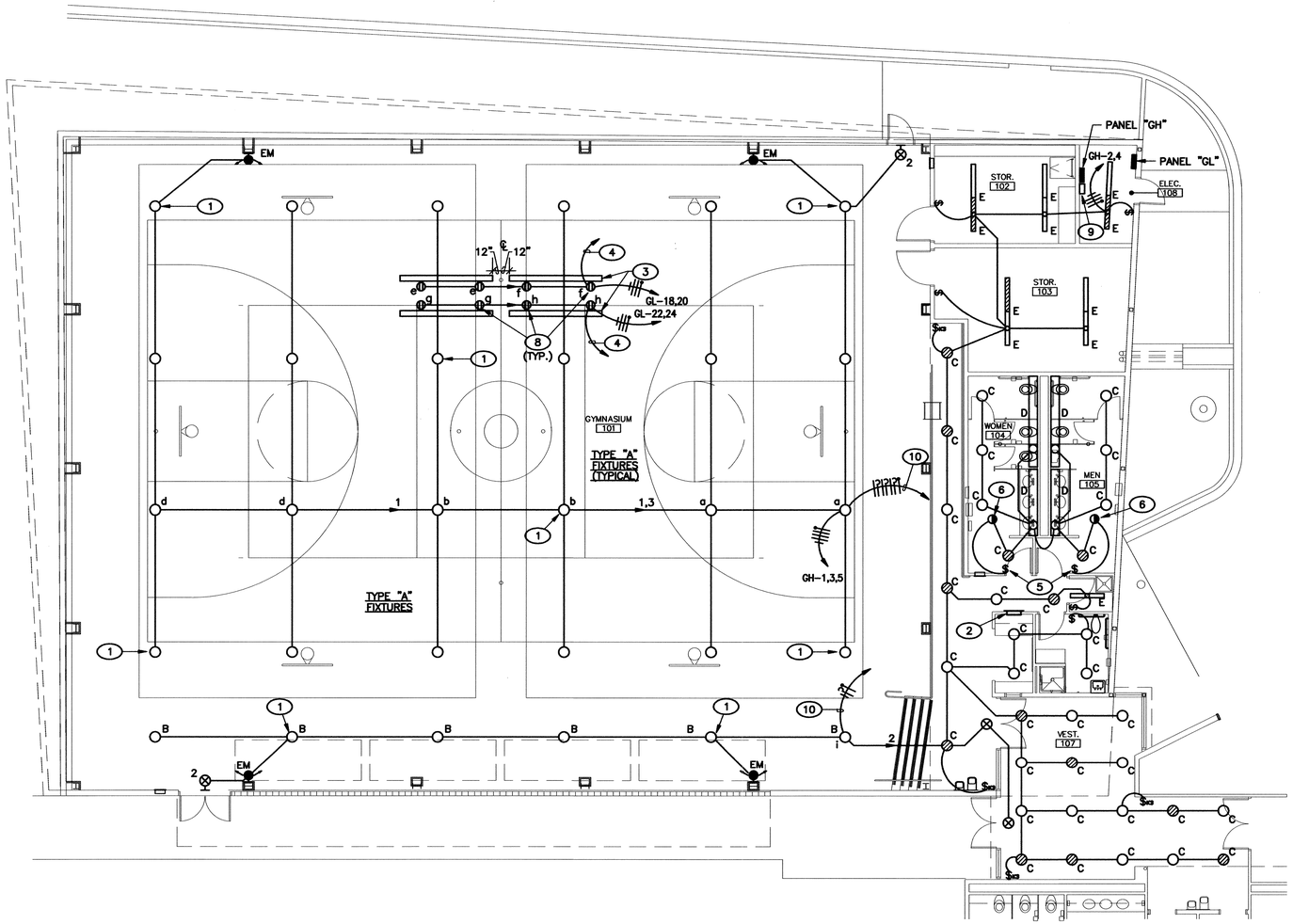
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
LIGHTING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
5751.91	L-21-Z	E2.1

INITIALS	DATE
PAD	2/18/02
PAD	2/12/02
PAD	1/16/02
PAD	1/14/02
PAD	8/7/01



LIGHTING PLAN

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

NORTH

KEYED NOTES

1 INSTALL STANDBY QUARTZ LAMP IN THIS FIXTURE. PAINT A 2" SQUARE ORANGE (250 WATT TYPE "A" AND 150 WATT TYPE "B") PATCH ON THE SIDE OF THE REFLECTOR (MUST BE SEEN FROM FLOOR).

2 ALL SWITCHES FOR GYMNASIUM LIGHTING (INCLUDING SLIDE DIMMERS FOR STAGE LIGHTS) SHALL BE GANGED TOGETHER IN AN ENCLOSED LOCKABLE FLUSH CABINET. REFER TO GYM SWITCHING CABINET DETAIL.

3 PROVIDE AND INSTALL 4 EA. 2" PIPE BATTENS FOR STAGE LIGHTS SUSPENDED TWO FEET BELOW STRUCTURE. STAGE LIGHTS SHALL INCLUDE TWO 8-LIGHT CYCLORAMA UNITS TYPE "F" ON NORTH BATTENS AND TWO SPOTLIGHTS TYPE "G" ON SOUTH BATTENS. EACH OF THESE FIXTURES SHALL BE CONTROLLED BY A SEPARATE HEAVY-DUTY SLIDER-TYPE DIMMER SWITCH (4 DIMMERS). (VERIFY REQUIRED CORD LENGTH FOR FIXTURES.)

4 EXTEND TO DIMMER SWITCHES ON WALL (SEE KEYED NOTE 2). INSTALL A SPARE .75" CONDUIT TO GANGED SWITCH LOCATION FOR FUTURE CONTROLS.

5 3-POSITION KEYED SWITCH (ON-OFF-AUTO) FOR OVERRIDE OF OCCUPANCY SENSOR. REFER TO OCCUPANCY SENSOR CONTROL DIAGRAM.

6 ULTRASONIC OCCUPANCY SENSOR FOR CONTROL OF LIGHT FIXTURES IN THIS ROOM, WATT-STOPPER #W-500A COMPLETE WITH POWER PACK. MAKE ALL FINAL CONNECTIONS REQUIRED.

7 NOT USED.

8 MOUNT OUTLETS TO BOTTOM OF STRUCTURE. PROVIDE TWIST-LOCK RECEPTACLES AND MATCHING CAPS FOR FIXTURE CORDS.

9 TIME SWITCH, SEE DETAIL.

10 EXTEND TO SWITCH CABINET (NOTE #2).

Insert Delete

FIXTURE SCHEDULE

TYPE	VOLT	MANUFACTURER NUMBER	FIXTURE DESCRIPTION	QTY OF LAMPS	LAMP TYPE	MOUNTING
A	277	LUMARK #MHHM-SA18-W-400-MT-LL-TPPH-PHC-FL1-WG18/GLC	GYM FIXTURE, HI-BAY, LENSED MH	1	400W/MH	PENDANT, SEE DETAIL
B	277	LUMARK #MHHM-SA18-W-250-MT-LL-TPPH-PHC-FL1-WG18/GLC	GYM FIXTURE, HI-BAY, LENSED MH	1	250W/MH	PENDANT, SEE DETAIL
C	277	LITHONIA #AF-2-26TRT-8-AR-277	RECESSED DOWNLIGHT	2	26W/TRT	RECESSED
D	277	NEORAY #33DS1T8-FIELD MEASURE-277	WALL-TO-WALL TOILET FIXTURE	2	2/F032/841	WALL/CLG INTERSECTION CEILING MOUNTED
E	277	LITHONIA #C232	UTILITY STRIP WITH WIRE GUARD	2	2/F032/841	SURFACE
F	120	LEHIGH #LB-R40-8'-RED/GRN/BLU/AMB/CLR-1-C-CLAMP	STAGE LIGHTING, 6-LIGHT CYCLORAMA	8	150W/R40	BATTEN
G	120	LEHIGH #LF600-BTL-TLG-4WAY BARNDR	STAGE LIGHTING, 6" FRESNEL SPOTLIGHT	1	500W/QTZ	BATTEN
H	277	LITHONIA # 2SPG332	2 X 4 TROFFER WITH REGRESSED ALUM. DOOR	3	F032/735	RECESSED - LAY-IN
K	277	GREENELEE#RDB-150MH-277-FLV	GROUND MOUNTED UPLIGHT	1	150W/MH	GROUND
L	277	BEGA #8101MH (NO EQUAL)	POLE MOUNTED FIXTURE (MATCH EXISTING)	1	150W/MH	12'-0" POLE
M	277	BEGA #8101MH (NO EQUAL)	POLE MOUNTED FIXTURE (MATCH EXISTING)	1	150W/MH	20'-0" POLE
EM	277	LITHONIA #ELM4-SD WITH LEXAN GUARD	TWIN-EYE EMG. FIXTURE WITH SELF-DIAGNOSTICS FEATURE	***	FURNISH WITH FIXTURE	UP 8'-0" AFF
X	277	LITHONIA #LRP-1-RW-277/EL N	EXIT FIXTURE WITH SELF-DIAGNOSTICS FEATURE	***	FURNISH WITH FIXTURE	CEILING MOUNT
X2	277	LITHONIA #LV-S-AB-R-277/EL N	VANDAL-RESISTANT EXIT FIXTURE WITH SELF-DIAGNOSTICS FEATURE	***	FURNISH WITH FIXTURE	ABOVE DOOR

NOTES:

1. PROVIDE T8 LAMPS WITH ALL FLUORESCENT FIXTURES AS CALLED FOR IN SPECIFICATION SECTION 16500.
2. PROVIDE ELECTRONIC BALLASTS WITH ALL FLUORESCENT FIXTURES AS CALLED FOR IN SPECIFICATION SECTION 16500 .
3. EMERGENCY BATTERY PACKS SHALL BE AS CALLED FOR ON PLANS AND LEGEND.
4. ALL LENSES IN FLUORESCENT FIXTURES SHALL BE AS CALLED FOR IN SPECIFICATION SECTION 16500.
5. FIXTURES WITH CATALOG INFORMATION LISTED ABOVE ARE USED AS A BASES OF QUALITY AND PERFORMANCE. SUBSTITUTIONS/PRIOR APPROVALS SHALL COMPLY WITH SCHEDULE AND SPECIFICATIONS. IF THE FIXTURE(S) PROPOSED FOR SUBSTITUTION DO NOT COMPLY, IN OUR OPINION, THEY WILL BE REJECTED.
6. THERE IS ADDITIONAL INFORMATION IN SPECIFICATION SECTION 16500 THAT SHALL BE FOLLOWED.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
RECORDED BY DATE:
NO.
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
1	7.22.02	PRC & PLANCHECK REVISIONS	
		DESIGNED BY: CME	DATE: 2/15/02
		DRAWN BY: CME	DATE: 2/15/02
		CHECKED BY: CME	DATE: 2/15/02

Kells + Craig
400 Gold S.W.
Suite 860
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

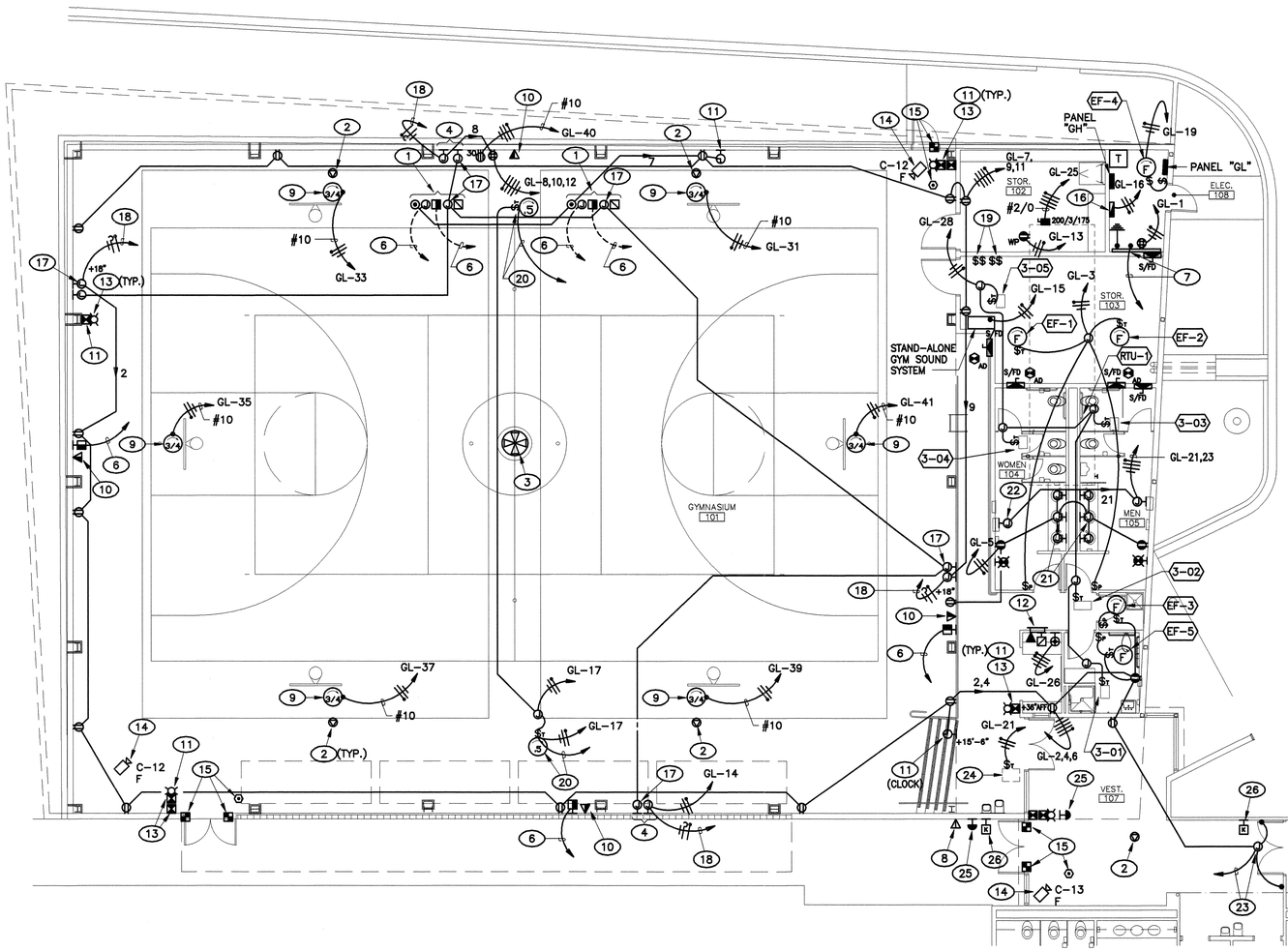
TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
LIGHTING PLAN

DANIEL W. ROMERO JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER 7-23-02

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.91
Zone Map No. L-21-Z
Sheet 46 of 49
E2.1

INITIALS	DATE
PAD	2/18/02
PAD	2/12/02
PAD	1/16/02
PAD	1/14/02
PAD	5/7/01



POWER AND SPECIAL SYSTEMS PLAN

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

NORTH

KEYED NOTES

1 OUTLETS SHALL BE IN FLUSH-FLOOR CAST BOXES.

2 FACILITY-WIDE P.A. SYSTEM SPEAKER. PROVIDE SURFACE BACKBOX FOR OPEN CEILING ROOM. REFER TO SPECIAL SYSTEMS GENERAL NOTES.

3 OCTASOUND TYPE SPEAKER UNIT FOR STAND ALONE GYM SOUND SYSTEM. REFER TO SPECIAL SYSTEMS GENERAL NOTES.

4 POWER AND CONTROL J-BOXES FOR SCOREBOARD. VERIFY EXACT HEIGHT/LOCATION REQUIREMENTS.

5 NOT USED.

6 EXTEND .75" CONDUIT TO GYM SOUND SYSTEM EQUIPMENT.

7 4" CONDUIT WITH TELEPHONE/DATA WIRING TO COMMUNICATION ROOM 125 IN PHASE I CONSTRUCTION AREA.

8 EXTERIOR, WEATHERPROOF P.A. SPEAKER. INSTALL 10'-0" AFF.

9 MOTORIZED BASKETBALL BACKBOARD. EXTEND CONTROL WIRING AND CONDUIT TO CONTROL SWITCH, SEE KEYED NOTE #12.

10 PROVIDE VIDEO ALL-CALL FUNCTION AT THIS OUTLET, REFER TO SPECIAL SYSTEMS GENERAL NOTES.

11 PROVIDE HEAVY GAUGE WIREGUARD FOR THIS DEVICE.

12 GROUP ALL SIX BACKBOARD CONTROL SWITCHES AND CURTAIN CONTROL SWITCH (SUPPLIED WITH BACKBOARD AND CURTAIN EQUIPMENT) IN THIS AREA. INSTALL FLUSH IN WALL.

13 ALL NEW FIRE ALARM SYSTEM DEVICES SHALL MATCH EXISTING SYSTEM. (CERBERUS MXL-IQ SYSTEM).

14 PHILIPS #LTC SERIES FIXED CAMERA WITH WIRING AS REQUIRED TO MEDIA RETRIEVAL SYSTEM HEAD-IN EQUIPMENT IN EXISTING AUDIO/VISUAL ROOM 129. MAKE FINAL CONNECTION REQUIRED.

15 PROVIDE AND INSTALL CONDUIT AND WIRING AS REQUIRED FOR DEVICES AND EXTEND TO SECURITY SYSTEM HEAD-END EQUIPMENT IN AUDIO/VISUAL ROOM 129 IN PHASE I CONSTRUCTION. USE CABLE TRAY IN PHASE I CONSTRUCTION AREA RUN WIRING TO DESTINATION. SEE SHEET E1.1 FOR LOCATION.

16 PROVIDE AND INSTALL A 24" W X 30" H X 4" DEEP TERMINAL CABINET WITH .75" PLYWOOD BACKBOARD FOR TERMINATION OF FIRE ALARM SYSTEM WIRING AND FIRE ALARM SYSTEM POWER SUPPLIES. REFER TO TO RISER DIAGRAM FOR ADDITIONAL DETAILS.

17 J-BOX FOR CONTROLS TO SCOREBOARD CONTROLLER. PROVIDE .75" INTERCONNECTING CONDUITS.

18 EXTEND TO RESPECTIVE SWITCH IN ROOM 103 FOR ON-OFF CONTROL OF SCOREBOARD(S) AS CALLED FOR IN NOTE 19.

19 PROVIDE AND INSTALL (4) FOUR SWITCHES FOR CONTROL OF RESPECTIVE SCOREBOARDS.

20 EXTEND TO MOTORIZED CURTAIN CONTROL SWITCH AS CALLED FOR IN NOTE 12.

21 FLUSH J-BOX IN WALL BELOW COUNTER FOR LOW-VOLTAGE FAUCET AND FLUSH VALVE TRANSFORMERS PROVIDED BY OTHERS.

22 J-BOX FOR CONNECTION TO HAND-DRYER. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.

23 J-BOX FOR CONNECTION TO DOOR HOLD OPEN DEVICE(S). EXTEND CONDUIT AND WIRE TO F.A. SYSTEM AND CONNECT AS REQUIRED. REFER TO ARCHITECTURAL HARDWARE SCHEDULE FOR DETAILS.

24 AUTO-DOOR CONTROLLER ABOVE CEILING.

25 AUTO-DOOR CONTROL SWITCH.

26 PROVIDE KEY PAD FOR SECURITY ALARM SYSTEM. MAKE CONNECTIONS REQUIRED.

SPECIAL SYSTEMS GENERAL NOTES

A. THE CONTRACTOR SHALL ADDITIONALLY PROVIDE (2) TWO F.A. AUDIO VISUAL, (2) HEAT DETECTORS, (1) SMOKE DETECTORS AND (2) TWO STROBE UNITS INCLUDING LABOR, FOR INSTALLATION REQUIRED BY THE FIRE MARSHALL IF HE SO DEEMS IT NECESSARY. IF THE UNITS ARE NOT INSTALLED, THE CONTRACTOR SHALL TURN OVER THE UNITS TO THE OWNER TO USE FOR FUTURE REPLACEMENTS.

B. THE CONTRACTOR SHALL PROVIDE 1/8" SCALE REPRODUCIBLE SHOP DRAWINGS TO INCLUDE ALL SPECIAL SYSTEMS CONDUIT ROUTING, CONDUIT SIZES AND WIRING TO ACCOMPANY PRODUCT LITERATURE FOR SUBMITTALS. IF THE DRAWINGS AND LITERATURE ARE NOT SUBMITTED TOGETHER IT WILL BE CONSIDERED AN INCOMPLETE SUBMITTAL AND WILL BE REJECTED UNTIL IT IS SUBMITTED PROPERLY. THE SPECIAL SYSTEMS SHOP DRAWINGS SHALL BE STAND-ALONE SPECIAL SYSTEMS DRAWINGS AND SHALL NOT HAVE POWER INFORMATION OR KEYED NOTES THAT DO NOT PERTAIN TO THE SPECIAL SYSTEMS.

C. THE CONTRACTOR SHALL BE AWARE THAT ALL SPECIAL SYSTEMS, FIRE ALARM, ETC., ARE TOTALLY OPERABLE AND SHALL BE OPERABLE AT PROJECT COMPLETION. ANY DISRUPTION OF SYSTEMS DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITH SYSTEMS LEFT TOTALLY OPERABLE.

D. VIDEO ALL-CALL SYSTEM (PROVIDE WIRING AS REQUIRED BACK TO MEDIA RETRIEVAL HEAD-END EQUIPMENT IN AUDIO/VISUAL ROOM 129)

1. PROVIDE A VIDEO ALL-CALL SYSTEM TO PERMIT ORIGINATION OF FULL MOTION LIVE TELEVISION PROGRAMMING FROM ALL CLASSROOM AREA REBROADCAST/VIDEO ALL-CALL MODULAR RJ11 JACK LOCATIONS AND DESIGNATED OFFICE OR SPECIAL USER AREA REBROADCAST/VIDEO ALL CALL MODULAR RJ11 LOCATIONS IN THE BUILDING. THE EQUIPMENT PROVIDED SHALL INCLUDE SIGNAL PROCESSOR, SIGNAL RECEIVERS, PATCH PANEL TERMINATION, AND DEDICATED MODULATOR. THE ORIGINATION SYSTEM SHALL REQUIRE ONLY THE ADDITION OF AN OPTIONAL STANDARD CAMCORDER WITH TRIPOD AND REMOTE A/V PROCESSOR ASSEMBLY TO BE OPERATIONAL.
2. INTERFACES AND MISCELLANEOUS HARDWARE SHALL BE PROVIDED AS REQUIRED TO DO THE FOLLOWING:
   a) PERMIT CAMERA OPERATOR TO REBROADCAST ON A DEDICATED REBROADCAST CHANNEL.
   b) PERMIT CAMERA OPERATION TO REBROADCAST ON THE ASSIGNED CHANNEL.
   c) PERMIT CAMERA OPERATOR TO REMOTELY ACTIVATE PRIORITY SEIZURE FOR REBROADCAST ON ALL ACTIVE CHANNELS IN THE SYSTEM.
   d) PROVIDE AUTOMATIC OVERRIDE OF REBROADCAST PROGRAMMING BY AN EMERGENCY ALERT BROADCAST.
   e) PROVIDE CONVENIENT PACKAGING OF THE SIGNAL PROCESSOR AND CABLES FOR USE BY STUDENTS BY ELIMINATING THE NEED FOR LEVEL CONTROLS AND OTHER ADJUSTMENT CONTROLS.
   f) PERMIT CAMERA OPERATOR TO USE THE ROOM TELEVISION SET AS A LINE MONITOR.

E. STAND-ALONE GYMNASIUM SOUND SYSTEM AND EXTENSION OF EXISTING BLDG. P.A. SYSTEM. (PROVIDE ALL CONDUIT LAND WIRING AS REQUIRED FOR A COMPLETE OPERATING SYSTEM)

1. PROVIDE AND INSTALL WALL-MOUNTED AMPLIFIERS AS FOLLOWS:
   a) GYMNASIUM (ONE (1)EACH)- ONE HUNDRED FIFTY (150) WATTS RMS AT THE AMPLIFIER OUTPUT. AMPLIFIER SHALL BE PEAVEY MODEL #WMA-150 WITH APPROPRIATE INPUT MODULES, OR APPROVED EQUAL.
2. PROVIDE AND INSTALL WIRELESS MICROPHONES AS FOLLOWS:
   a) ONE (1) HANDHELD WIRELESS MICROPHONE, ONE (1) WIRELESS LAVALIERE MICROPHONE, AND ONE WIRELESS RECEIVER OF CORRESPONDING FREQUENCY. WIRELESS MICROPHONES AND RECEIVER SHALL BE SHURE LX14/93 WITH LX2/58, OR APPROVED EQUAL.
   b) ONE (1) ADJUSTABLE MICROPHONE STAND. MICROPHONE STAND SHALL BE ATLAS/SOUNDELIER MODEL # MS-12C, OR APPROVED EQUAL.
3. PROVIDE AND INSTALL SPEAKERS AS FOLLOWS:
   a) GYMNASIUM - ONE (1) SUSPENDED CEILING SPEAKER. SPEAKER SHALL BE KDM OCTASOUND T MODEL #SP820A, OR APPROVED EQUAL.
4. ALSO, PROVIDE FOUR (4) PUBLIC ADDRESS SYSTEM SPEAKERS. PROVIDE A MINIMUM OF 1-WATT (RMS) TO EACH INTERIOR SPEAKER AND 5-WATTS (RMS) TO EACH EXTERIOR SPEAKER IN THE SYSTEM (WHERE APPLICABLE). SPEAKER SHALL BE CEILING-MOUNT, ATLAS/SOUNDELIER MODEL # C10AT72 WITH SM191-78 BACKBOX AND 164-8 BAFFLE, OR APPROVED EQUAL. PROVIDE CONDUIT AND WIRING AS REQUIRED BACK TO MEDIA RETRIEVAL HEAD-END EQUIPMENT IN AUDIO/VISUAL ROOM 129 AND MAKE FINAL CONNECTIONS.

PAD 2/12/02
PAD 1/16/02
PAD 1/14/02
PAD 8/8/01
INITALS DATE

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES BY: STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC. DATE
NO. 11599

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: CME	DATE: 2/15/02
		DRAWN BY: CME	DATE: 2/15/02
		CHECKED BY: CME	DATE: 2/15/02

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

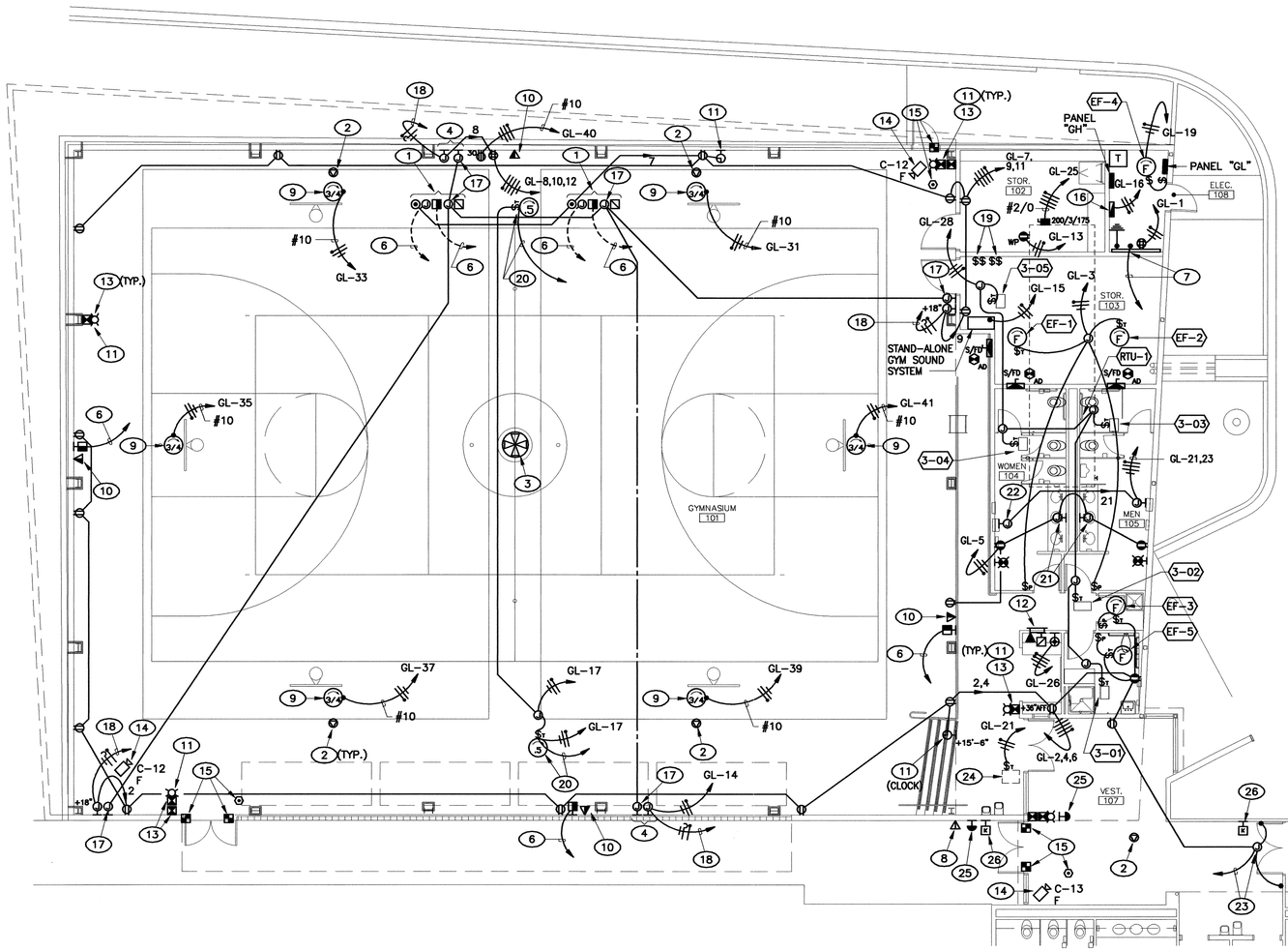
Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
POWER AND SPECIAL SYSTEMS PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.91 | Zone Map No. L-21-Z | Sheet E3.1



POWER AND SPECIAL SYSTEMS PLAN

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

KEYED NOTES

1. OUTLETS SHALL BE IN FLUSH-FLOOR CAST BOXES.
2. FACILITY-WIDE P.A. SYSTEM SPEAKER. PROVIDE SURFACE BACKBOX FOR OPEN CEILING ROOM. REFER TO SPECIAL SYSTEMS GENERAL NOTES.
3. OCTASOUND TYPE SPEAKER UNIT FOR STAND ALONE GYM SOUND SYSTEM. REFER TO SPECIAL SYSTEMS GENERAL NOTES.
4. POWER AND CONTROL J-BOXES FOR SCOREBOARD. VERIFY EXACT HEIGHT/LOCATION REQUIREMENTS.
5. NOT USED.
6. EXTEND .75" CONDUIT TO GYM SOUND SYSTEM EQUIPMENT.
7. 4" CONDUIT WITH TELEPHONE/DATA WIRING TO COMMUNICATION ROOM 125 IN PHASE I CONSTRUCTION AREA.
8. EXTERIOR, WEATHERPROOF P.A. SPEAKER. INSTALL 10'-0" AFF.
9. MOTORIZED BASKETBALL BACKBOARD. EXTEND CONTROL WIRING AND CONDUIT TO CONTROL SWITCH, SEE KEYED NOTE #12.
10. PROVIDE VIDEO ALL-CALL FUNCTION AT THIS OUTLET, REFER TO SPECIAL SYSTEMS GENERAL NOTES.
11. PROVIDE HEAVY GAUGE WIREGUARD FOR THIS DEVICE.
12. GROUP ALL SIX BACKBOARD CONTROL SWITCHES AND CURTAIN CONTROL SWITCH (SUPPLIED WITH BACKBOARD AND CURTAIN EQUIPMENT) IN THIS AREA. INSTALL FLUSH IN WALL.
13. ALL NEW FIRE ALARM SYSTEM DEVICES SHALL MATCH EXISTING SYSTEM. (CERBERUS MXL-IQ SYSTEM).
14. PHILIPS #LTC SERIES FIXED CAMERA WITH WIRING AS REQUIRED TO MEDIA RETRIEVAL SYSTEM HEAD-IN EQUIPMENT IN EXISTING AUDIO/VISUAL ROOM 129. MAKE FINAL CONNECTION REQUIRED.
15. PROVIDE AND INSTALL CONDUIT AND WIRING AS REQUIRED FOR DEVICES AND EXTEND TO SECURITY SYSTEM HEAD-END EQUIPMENT IN AUDIO/VISUAL ROOM 129 IN PHASE I CONSTRUCTION. USE CABLE TRAY IN PHASE I CONSTRUCTION AREA RUN WIRING TO DESTINATION. SEE SHEET E1.1 FOR LOCATION.
16. PROVIDE AND INSTALL A 24" W X 30" H X 4" DEEP TERMINAL CABINET WITH .75" PLYWOOD BACKBOARD FOR TERMINATION OF FIRE ALARM SYSTEM WIRING AND FIRE ALARM SYSTEM POWER SUPPLIES. REFER TO TO RISER DIAGRAM FOR ADDITIONAL DETAILS.
17. J-BOX FOR CONTROLS TO SCOREBOARD CONTROLLER. PROVIDE .75" INTERCONNECTING CONDUITS.
18. EXTEND TO RESPECTIVE SWITCH IN ROOM 103 FOR ON-OFF CONTROL OF SCOREBOARD(S) AS CALLED FOR IN NOTE 19.
19. PROVIDE AND INSTALL (4) FOUR SWITCHES FOR CONTROL OF RESPECTIVE SCOREBOARDS.
20. EXTEND TO MOTORIZED CURTAIN CONTROL SWITCH AS CALLED FOR IN NOTE 12.
21. FLUSH J-BOX IN WALL BELOW COUNTER FOR LOW-VOLTAGE FAUCET AND FLUSH VALVE TRANSFORMERS PROVIDED BY OTHERS.
22. J-BOX FOR CONNECTION TO HAND-DRYER. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
23. J-BOX FOR CONNECTION TO DOOR HOLD OPEN DEVICE(S). EXTEND CONDUIT AND WIRE TO F.A. SYSTEM AND CONNECT AS REQUIRED. REFER TO ARCHITECTURAL HARDWARE SCHEDULE FOR DETAILS.
24. AUTO-DOOR CONTROLLER ABOVE CEILING.
25. AUTO-DOOR CONTROL SWITCH.
26. PROVIDE KEY PAD FOR SECURITY ALARM SYSTEM. MAKE CONNECTIONS REQUIRED.

SPECIAL SYSTEMS GENERAL NOTES

A. THE CONTRACTOR SHALL ADDITIONALLY PROVIDE (2) TWO F.A. AUDIO VISUAL, (2) HEAT DETECTORS, (1) SMOKE DETECTORS AND (2) TWO STROBE UNITS INCLUDING LABOR, FOR INSTALLATION REQUIRED BY THE FIRE MARSHALL IF HE SO DEEMS IT NECESSARY. IF THE UNITS ARE NOT INSTALLED, THE CONTRACTOR SHALL TURN OVER THE UNITS TO THE OWNER TO USE FOR FUTURE REPLACEMENTS.

B. THE CONTRACTOR SHALL PROVIDE 1/8" SCALE REPRODUCIBLE SHOP DRAWINGS TO INCLUDE ALL SPECIAL SYSTEMS CONDUIT ROUTING, CONDUIT SIZES AND WIRING TO ACCOMPANY PRODUCT LITERATURE FOR SUBMITTALS. IF THE DRAWINGS AND LITERATURE ARE NOT SUBMITTED TOGETHER IT WILL BE CONSIDERED AN INCOMPLETE SUBMITTAL AND WILL BE REJECTED UNTIL IT IS SUBMITTED PROPERLY. THE SPECIAL SYSTEMS SHOP DRAWINGS SHALL BE STAND-ALONE SPECIAL SYSTEMS DRAWINGS AND SHALL NOT HAVE POWER INFORMATION OR KEYED NOTES THAT DO NOT PERTAIN TO THE SPECIAL SYSTEMS.

C. THE CONTRACTOR SHALL BE AWARE THAT ALL SPECIAL SYSTEMS, FIRE ALARM, ETC., ARE TOTALLY OPERABLE AND SHALL BE OPERABLE AT PROJECT COMPLETION. ANY DISRUPTION OF SYSTEMS DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITH SYSTEMS LEFT TOTALLY OPERABLE.

D. VIDEO ALL-CALL SYSTEM (PROVIDE WIRING AS REQUIRED BACK TO MEDIA RETRIEVAL HEAD-END EQUIPMENT IN AUDIO/VISUAL ROOM 129)

1. PROVIDE A VIDEO ALL-CALL SYSTEM TO PERMIT ORIGINATION OF FULL MOTION LIVE TELEVISION PROGRAMMING FROM ALL CLASSROOM AREA REBROADCAST/VIDEO ALL-CALL MODULAR RJ11 JACK LOCATIONS AND DESIGNATED OFFICE OR SPECIAL USER AREA REBROADCAST/VIDEO ALL CALL MODULAR RJ11 LOCATIONS IN THE BUILDING. THE EQUIPMENT PROVIDED SHALL INCLUDE SIGNAL PROCESSOR, SIGNAL RECEIVERS, PATCH PANEL TERMINATION, AND DEDICATED MODULATOR. THE ORIGINATION SYSTEM SHALL REQUIRE ONLY THE ADDITION OF AN OPTIONAL STANDARD CAMCORDER WITH TRIPOD AND REMOTE A/V PROCESSOR ASSEMBLY TO BE OPERATIONAL.
2. INTERFACES AND MISCELLANEOUS HARDWARE SHALL BE PROVIDED AS REQUIRED TO DO THE FOLLOWING:
   a) PERMIT CAMERA OPERATOR TO REBROADCAST ON A DEDICATED REBROADCAST CHANNEL.
   b) PERMIT CAMERA OPERATION TO REBROADCAST ON THE ASSIGNED CHANNEL.
   c) PERMIT CAMERA OPERATOR TO REMOTELY ACTIVATE PRIORITY SEIZURE FOR REBROADCAST ON ALL ACTIVE CHANNELS IN THE SYSTEM.
   d) PROVIDE AUTOMATIC OVERRIDE OF REBROADCAST PROGRAMMING BY AN EMERGENCY ALERT BROADCAST.
   e) PROVIDE CONVENIENT PACKAGING OF THE SIGNAL PROCESSOR AND CABLES FOR USE BY STUDENTS BY ELIMINATING THE NEED FOR LEVEL CONTROLS AND OTHER ADJUSTMENT CONTROLS.
   f) PERMIT CAMERA OPERATOR TO USE THE ROOM TELEVISION SET AS A LINE MONITOR.

E. STAND-ALONE GYMNASIUM SOUND SYSTEM AND EXTENSION OF EXISTING BLDG. P.A. SYSTEM. (PROVIDE ALL CONDUIT LAND WIRING AS REQUIRED FOR A COMPLETE OPERATING SYSTEM)

1. PROVIDE AND INSTALL WALL-MOUNTED AMPLIFIERS AS FOLLOWS:
   a) GYMNASIUM (ONE (1)EACH)- ONE HUNDRED FIFTY (150) WATTS RMS AT THE AMPLIFIER OUTPUT. AMPLIFIER SHALL BE PEAVEY MODEL #WMA-150 WITH APPROPRIATE INPUT MODULES, OR APPROVED EQUAL.
2. PROVIDE AND INSTALL WIRELESS MICROPHONES AS FOLLOWS:
   a) ONE (1) HANDHELD WIRELESS MICROPHONE, ONE (1) WIRELESS LAVALIERE MICROPHONE, AND ONE WIRELESS RECEIVER OF CORRESPONDING FREQUENCY. WIRELESS MICROPHONES AND RECEIVER SHALL BE SHURE LX14/93 WITH LX2/58, OR APPROVED EQUAL.
   b) ONE (1) ADJUSTABLE MICROPHONE STAND. MICROPHONE STAND SHALL BE ATLAS/SOUNDELIER MODEL # MS-12C, OR APPROVED EQUAL.
3. PROVIDE AND INSTALL SPEAKERS AS FOLLOWS:
   a) GYMNASIUM - ONE (1) SUSPENDED CEILING SPEAKER. SPEAKER SHALL BE KDM OCTASOUND T MODEL #SP820A, OR APPROVED EQUAL.
4. ALSO, PROVIDE FOUR (4) PUBLIC ADDRESS SYSTEM SPEAKERS. PROVIDE A MINIMUM OF 1-WATT (RMS) TO EACH INTERIOR SPEAKER AND 5-WATTS (RMS) TO EACH EXTERIOR SPEAKER IN THE SYSTEM (WHERE APPLICABLE). SPEAKER SHALL BE CEILING-MOUNT, ATLAS/SOUNDELIER MODEL # C10AT72 WITH SM191-78 BACKBOX AND 164-8 BAFFLE, OR APPROVED EQUAL. PROVIDE CONDUIT AND WIRING AS REQUIRED BACK TO MEDIA RETRIEVAL HEAD-END EQUIPMENT IN AUDIO/VISUAL ROOM 129 AND MAKE FINAL CONNECTIONS.

DANIEL W. ROMERO, JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER 7-22-02

PAD 2/12/02
PAD 1/16/02
PAD 1/14/02
PAD 8/8/01
INITIALS DATE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

AS BUILT INFORMATION

BENCH MARK
C.O.A. BENCHMARK "B-121"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE:

MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

199207D

ARCHITECT'S STAMP

NO.	DATE	REVISIONS/REMARKS	BY
		7-22-02 PLANCHECK & DRC REVISIONS	
		DESIGNED BY: CME	DATE: 2/15/02
		DRAWN BY: CME	DATE: 2/15/02
		CHECKED BY: CME	DATE: 2/15/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

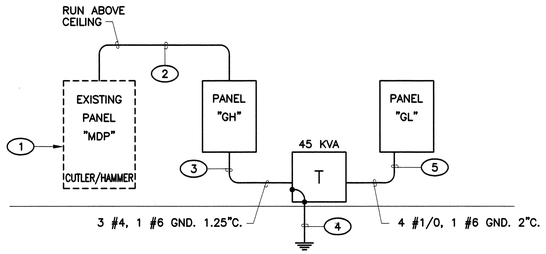
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
POWER AND SPECIAL SYSTEMS PLAN

Design Review Committee: APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG - 1 20[illegible] CITY E[illegible]

Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 47 of 49
E3.1



PARTIAL POWER RISER DIAGRAM

SCALE: NONE

KEYED NOTES

1 PROVIDE AND INSTALL A 400A/3P CIRCUIT BREAKER IN SPACE OF THE EXISTING PANEL TO SERVE NEW PANEL "GH".

2 4-500KCMIL, 1#2 G. IN 3.5" CONDUIT.

3 3#4, 1#6 G IN 1.25" CONDUIT.

4 1#8 BSD COPPER GROUND IN .5" CONDUIT. REFER TO GROUNDING DETAIL.

5 4#1/0, 1#6 G. IN 2" CONDUIT.

LOAD SUMMARY 277/480V-3PH-4W

Softec Systems, shortcir ver. 1.1

PANEL or SWBD.	KVA LOAD
EXISTING LOADS	570.8
NEW PANEL "GH"	197.4
TOTAL KVA =	768.2 KVA
TOTAL AMPS =	924 AMPS

EXISTING 1000 AMP SERVICE

PANEL **GH** — DESCRIPTION: 480/277V, 3PH, 4W, 400 AMP MAIN LUGS ONLY, 14,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, 30 TOTAL POLES

Description / Sub-Feed

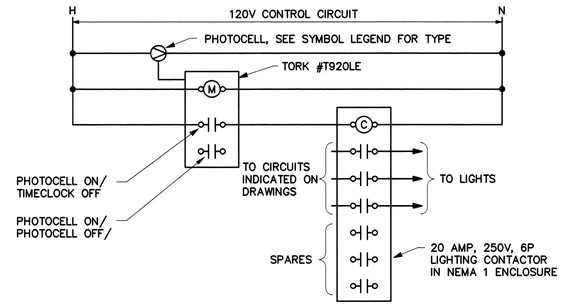
CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO.
1		LIGHTING	20A/1P	3720	6420			2700	20A/1P	LIGHTING		2
3		LIGHTING	20A/1P	3720		5580		1860	20A/1P	LIGHTING		4
5		LIGHTING	20A/1P	3720			4595	875	20A/1P	LIGHTING		6
7		LIGHTING	20A/1P	1200	3930			2730	20A/1P	LIGHTING		8
9		SPARE	20A/1P			0			20A/1P	SPARE		10
11		SPARE	20A/1P				0		20A/1P	SPARE		12
13		SPARE	20A/1P		0				20A/1P	SPARE		14
15		SPARE	20A/1P			0			20A/1P	SPARE		16
17		SPARE	20A/1P				0		20A/1P	SPARE		18
19		SPACE	20A/1P		0				20A/1P	SPACE		20
21		SPACE	20A/1P			0			20A/1P	SPACE		22
23		SPACE	20A/1P				0		20A/1P	SPACE		24
25		RTU-1	175A/3P	36093	46767			10674	70A/3P	Panel 'GL'		26
27		***	***	36093		50227		14134	***	***		28
29		***	***	36093			50393	14300	***	***		30
31					0							32
33						0						34
35							0					36
37					0							38
39						0						40
41							0					42
		Feed-Thru		57117	55807	54988						
		Total KVA		167.9	480V	202	Amps					

PANEL **GL** — DESCRIPTION: 208/120V, 3PH, 4W, 150A/3P MAIN CIRCUIT BREAKER, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, ISOLATED GROUND BAR

Description / Sub-Feed

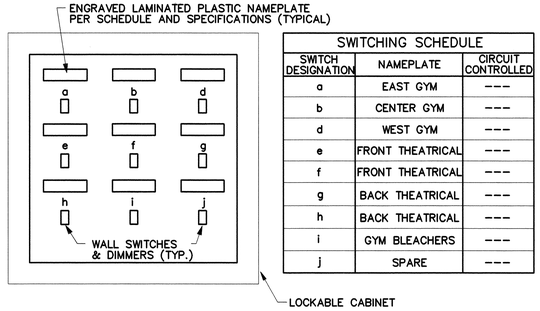
CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		RECEPTACLES	20A/1P	1500	2000			500	20A/1P	RECEPTACLES		2
3		FANS	20A/1P	1000		2260		1260	20A/1P	RECEPTACLES		4
5		RECEPTACLES	20A/1P	1100			1870	770	20A/1P	RECEPTACLES		6
7		RECEPTACLES	20A/1P	500	1000			500	20A/1P	RECEPTACLES		8
9		RECEPTACLES	20A/1P	500		1500		1000	20A/1P	RECEPTACLES		10
11		RECEPTACLES	20A/1P	1080			2080	1000	20A/1P	RECEPTACLES		12
13		RECEPTACLES	20A/1P	1500	2000			500	20A/1P	RECEPTACLES		14
15		SOUNBD SYSTEM	20A/1P	1200		1700		500	20A/1P	F.A. SYSTEM POWER SUPPLIES		16
17		CURTAIN	20A/1P	1176			2676	1500	20A/1P	LIGHTING		18
19		FAN	20A/1P	500	2000			1500	20A/1P	LIGHTING		20
21		HAND DRYER	20A/1P	2000		3500		1500	20A/1P	LIGHTING		22
23		HAND DRYER	20A/1P	2000			3500	1500	20A/1P	LIGHTING		24
25		SPARE	20A/1P		500			500	20A/1P	COMPUTERS		26
27		SPARE	20A/1P			1000		1000	20A/1P	VAV 3-01 THRU 3-05		28
29		SPARE	20A/1P				0		20A/1P	SPARE		30
31		BACKSTOPS	30A/1P	1587	1587				20A/1P	SPACE		32
33		BACKSTOPS	30A/1P	1587		1587			20A/1P	SPACE		34
35		BACKSTOPS	30A/1P	1587			1587		20A/1P	SPACE		36
37		BACKSTOPS	30A/1P	1587	1587				20A/1P	SPACE		38
39		BACKSTOPS	30A/1P	1587		2587		1000	30A/2P	OUTLET		40
41		BACKSTOPS	30A/1P	1587			2587	1000	***	***		42
		Feed-Thru		10674	14134	14300						
		Total KVA		39.1	208V	109	Amps					

PAD 1/15/02
PAD 8/20/01
INITALS DATE



EXTERIOR LIGHTING CONTROL DIAGRAM

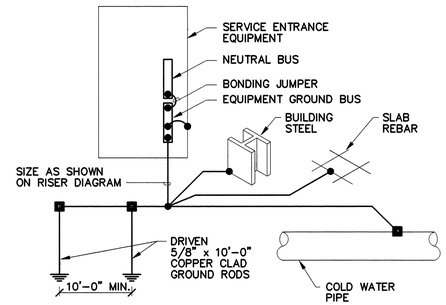
SCALE: NONE



SWITCHING SCHEDULE		
SWITCH DESIGNATION	NAMEPLATE	CIRCUIT CONTROLLED
a	EAST GYM	---
b	CENTER GYM	---
d	WEST GYM	---
e	FRONT THEATRICAL	---
f	FRONT THEATRICAL	---
g	BACK THEATRICAL	---
h	BACK THEATRICAL	---
i	GYM BLEACHERS	---
j	SPARE	---

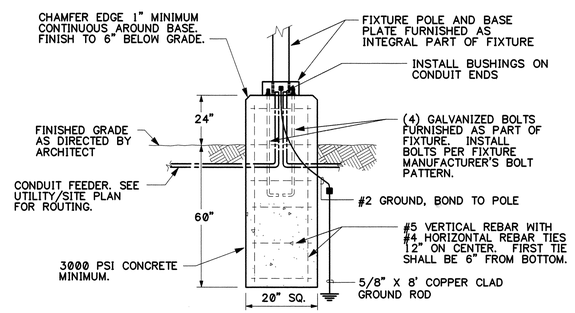
GYMNASIUM LIGHTING SWITCHING CABINET ELEVATION

SCALE: NONE



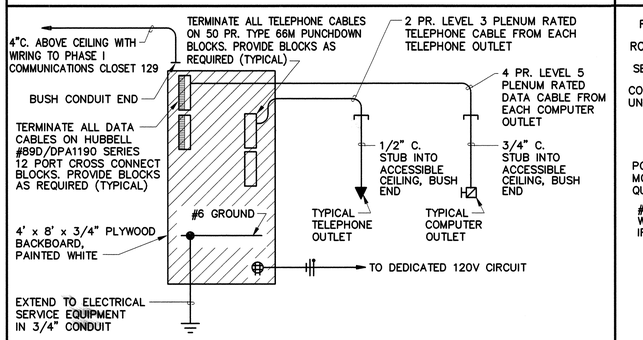
SERVICE GROUNDING DETAIL

SCALE: NONE



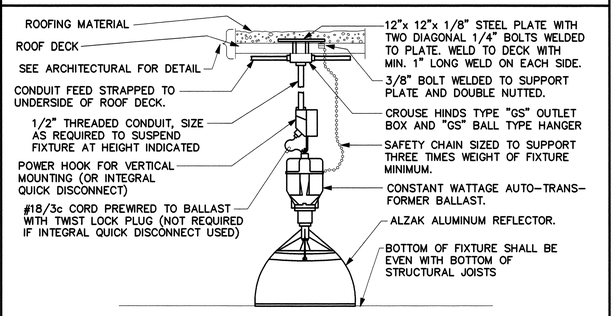
POLE MOUNTING DETAIL

SCALE: NONE



TELEPHONE / DATA RISER DIAGRAM

SCALE: NONE



HIGH-BAY FIXTURE MOUNTING DETAIL

SCALE: NONE

AS BUILT INFORMATION
BENCH MARK
C.O.A. BENCHMARK "6-121" FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292' ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33 EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09 EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: CME	DATE: 2/15/02
		DRAWN BY: CME	DATE: 2/15/02
		CHECKED BY: CME	DATE: 2/15/02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

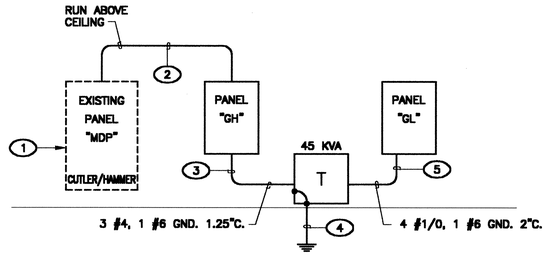
CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ELECTRICAL DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.91 | Zone Map No. L-21-Z | Sheet E4.1

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.



PARTIAL POWER RISER DIAGRAM

SCALE: NONE

KEYED NOTES

1 PROVIDE AND INSTALL A 400A/3P CIRCUIT BREAKER IN SPACE OF THE EXISTING PANEL TO SERVE NEW PANEL "GH".

2 4–500KCMIL, 1#2 G. IN 3.5" CONDUIT.

3 3#4, 1#6 G IN 1.25" CONDUIT.

4 1#6 BSD COPPER GROUND IN .5" CONDUIT. REFER TO GROUNDING DETAIL.

5 4#1/0, 1#6 G. IN 2" CONDUIT.

LOAD SUMMARY 277/480V-3PH-4W

Softec Systems, shortcir ver. 1.1

PANEL or SWBD.	KVA LOAD
EXISTING LOADS	570.8
NEW PANEL "GH"	197.4
TOTAL KVA =	768.2 KVA
TOTAL AMPS =	924 AMPS

EXISTING 1000 AMP SERVICE

PANEL **GH** — DESCRIPTION: 480/277V, 3PH, 4W, 400 AMP MAIN LUGS ONLY, 14,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, 30 TOTAL POLES — Description: — Sub-Feed:

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	20A/1P	3720	6420			2700	20A/1P	LIGHTING		2
3		LIGHTING	20A/1P	3720		5580		1860	20A/1P	LIGHTING		4
5		LIGHTING	20A/1P	3720			4595	875	20A/1P	LIGHTING		6
7		LIGHTING	20A/1P	1200	3930			2730	20A/1P	LIGHTING		8
9		SPARE	20A/1P			0			20A/1P	SPARE		10
11		SPARE	20A/1P				0		20A/1P	SPARE		12
13		SPARE	20A/1P		0				20A/1P	SPARE		14
15		SPARE	20A/1P			0			20A/1P	SPARE		16
17		SPARE	20A/1P				0		20A/1P	SPARE		18
19		SPACE	20A/1P		0				20A/1P	SPACE		20
21		SPACE	20A/1P			0			20A/1P	SPACE		22
23		SPACE	20A/1P				0		20A/1P	SPACE		24
25		RTU-1	175A/3P	36093	46767			10674	70A/3P	Panel 'GL'		26
27		***	***	36093		50227		14134	***	***		28
29		***	***	36093			50393	14300	***	***		30
31					0							32
33						0						34
35							0					36
37					0							38
39						0						40
41							0					42
		Feed-Thru		57117	55807	54988						
		Total KVA		167.9	480V	202	Amps					

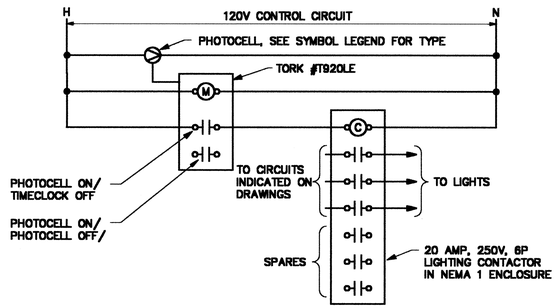
Softec Systems, Panel, Ex v1.1a

PANEL **GL** — DESCRIPTION: 208/120V, 3PH, 4W, 150A/3P MAIN CIRCUIT BREAKER, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, ISOLATED GROUND BAR — Description: — Sub-Feed:

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		RECEPTACLES	20A/1P	1500	2000			500	20A/1P	RECEPTACLES		2
3		FANS	20A/1P	1000		2260		1260	20A/1P	RECEPTACLES		4
5		RECEPTACLES	20A/1P	1100			1870	770	20A/1P	RECEPTACLES		6
7		RECEPTACLES	20A/1P	500	1000			500	20A/1P	RECEPTACLES		8
9		RECEPTACLES	20A/1P	500		1500		1000	20A/1P	RECEPTACLES		10
11		RECEPTACLES	20A/1P	1080			2080	1000	20A/1P	RECEPTACLES		12
13		RECEPTACLES	20A/1P	1500	2000			500	20A/1P	RECEPTACLES		14
15		SOUNBD SYSTEM	20A/1P	1200		1700		500	20A/1P	F.A. SYSTEM POWER SUPPLIES		16
17		CURTAIN	20A/1P	1176			2676	1500	20A/1P	LIGHTING		18
19		FAN	20A/1P	500	2000			1500	20A/1P	LIGHTING		20
21		HAND DRYER	20A/1P	2000		3500		1500	20A/1P	LIGHTING		22
23		HAND DRYER	20A/1P	2000			3500	1500	20A/1P	LIGHTING		24
25		SPARE	20A/1P		500			500	20A/1P	COMPUTERS		26
27		SPARE	20A/1P			1000		1000	20A/1P	VAV 3-01 THRU 3-05		28
29		SPARE	20A/1P				0		20A/1P	SPARE		30
31		BACKSTOPS	30A/1P	1587	1587				20A/1P	SPACE		32
33		BACKSTOPS	30A/1P	1587		1587			20A/1P	SPACE		34
35		BACKSTOPS	30A/1P	1587			1587		20A/1P	SPACE		36
37		BACKSTOPS	30A/1P	1587	1587				20A/1P	SPACE		38
39		BACKSTOPS	30A/1P	1587		2587		1000	30A/2P	OUTLET		40
41		BACKSTOPS	30A/1P	1587			2587	1000	***	***		42
		Feed-Thru		10674	14134	14300						
		Total KVA		39.1	208V	109	Amps					

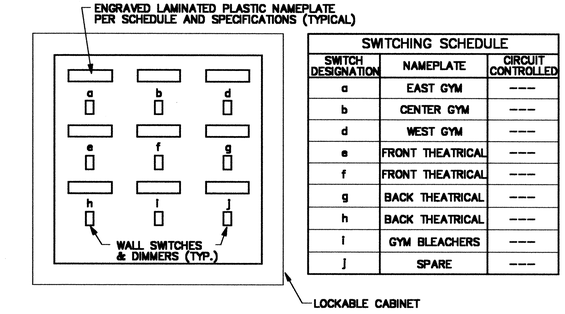
Softec Systems, Panel, Ex v1.1a

PAD	1/16/02
PAD	8/20/01
INITIALS	DATE



EXTERIOR LIGHTING CONTROL DIAGRAM

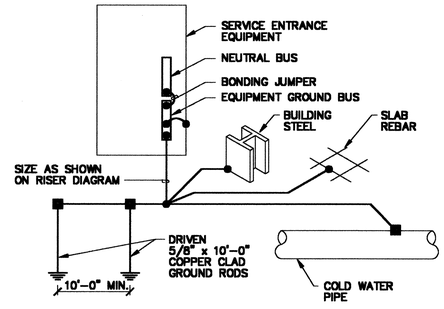
SCALE: NONE



SWITCHING SCHEDULE		
SWITCH DESIGNATION	NAMEPLATE	CIRCUIT CONTROLLED
a	EAST GYM	---
b	CENTER GYM	---
d	WEST GYM	---
e	FRONT THEATRICAL	---
f	FRONT THEATRICAL	---
g	BACK THEATRICAL	---
h	BACK THEATRICAL	---
i	GYM BLEACHERS	---
j	SPARE	---

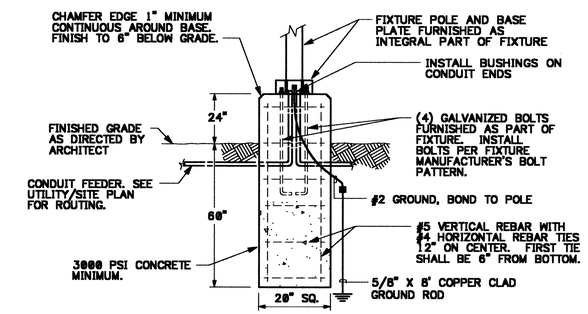
GYMNASIUM LIGHTING SWITCHING CABINET ELEVATION

SCALE: NONE



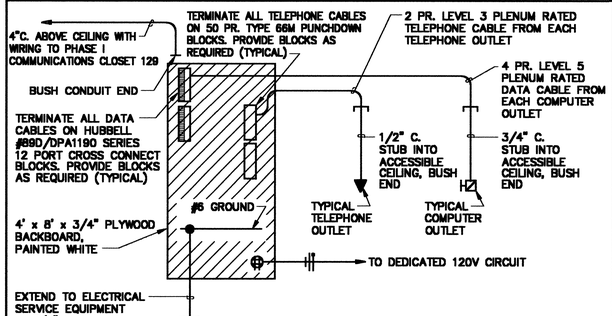
SERVICE GROUNDING DETAIL

SCALE: NONE



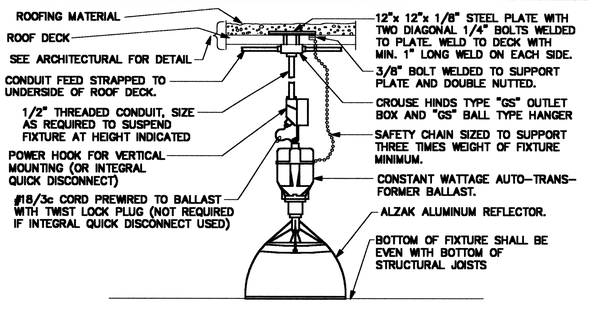
POLE MOUNTING DETAIL

SCALE: NONE



TELEPHONE / DATA RISER DIAGRAM

SCALE: NONE



HIGH-BAY FIXTURE MOUNTING DETAIL

SCALE: NONE

SURVEY INFORMATION			
FIELD NOTES	BY	DATE	
NO. 11599	STEPHEN JAMES TOLER,		
	FROM SURVEYING		
	CONTROL, INC.		

BENCH MARK
C.O.A. BENCHMARK "B-121"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,461,746.33 EASTING = 419,123.51
GRID COORDINATES: NORTHING = 1,461,220.09 EASTING = 417,875.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY
1	7-22-02	PRC & PLANCHECK REVISIONS	
		DATE: 2/15/02	
		DESIGNED BY: CME	
		DRAWN BY: CME	
		CHECKED BY: CME	

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE – DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
ELECTRICAL DETAILS

DANIEL W. ROMERO JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER 7-22-02

Design Review Committee	City Engineer Approval	Last Design Update	8/1/2002	8/1/2002
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY			

City Project No. 5751.93 | Zone Map No. L-21-Z | Sheet 48 of 49 E4.1

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	RECESSED SPEAKER WITH OUTLET IN CEILING. JBL #8140 H/T SPEAKER WITH SOUNDOLIER #95-8 BACKBOX AND JBL #WB8 ROUND WHITE BAFFLE.
	PHONE/DATA OUTLET FLUSH IN WALL, 4" SQUARE BOX, 2-1/8" DEEP, ONE DEVICE COVER, UP 18" OR AS INDICATED.
	MICROPHONE WALL OUTLET UP 18" UNLESS OTHERWISE INDICATED, WITH MICROPHONE AND STAND AS REQUIRED ON DRAWINGS.
	TELEVISION OUTLET (75 OHM) UP 18" OR AS INDICATED.
	PHOTOCELL LIGHTING CONTROLLER, PRECISION #T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED UP 12" ABOVE ROOF, WITH WINDOW FACING NORTH.
	TELEPHONE OUTLET, UP 18" OR AS INDICATED. SEE DETAIL & SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
W	WALL MOUNTED TELEPHONE OUTLET, UP 44" OR AS INDICATED. SEE DETAIL AND SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
	CLOCK, UP 6'-8" TO BOTTOM. RAULAND #2410 DIGITAL CLOCK WITH MANUAL RESET SWITCHES AND FLUSH MOUNTING KIT.
	COMBINATION CLOCK/SPEAKERS UP 6'-8" TO BOTTOM. SOUNDOLIER #DC162-8 SPEAKER WITH #191-78 CAN. RAULAND #2410 CLOCK WITH MANUAL RESET SWITCHES AND FLUSH MOUNT KIT. JBL #8140 H/T SPEAKER WITH TRANSFORMER. INSTALL CALL-IN SWITCH DIRECTLY BELOW UNLESS OTHERWISE INDICATED (UP 44"). EXTEND 2 #12 IN 1/2" CONDUIT FROM CLOCK TO NEAREST 120 VOLT OUTLET.
FS	FIRE SPRINKLER SYSTEM FLOW SWITCH.
TS	FIRE SPRINKLER SYSTEM TAMPER SWITCH.
	FIRE ALARM VISUAL SIGNAL WITH MINI-SOUNDER, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER (WHICHEVER IS LOWER).
	FIRE ALARM MANUAL PULL STATION, UP 44".
	FIRE ALARM AUDIO/VISUAL SIGNAL, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER WHICHEVER IS LOWER).
H,I,S/H,D	F.A. AUTOMATIC DETECTOR, TYPE AS INDICATED (H-HEAT, I-IONIZATION, D-DUCT & S/H-SMOKE/HEAT). ALL DETECTORS "SMOKE" UNLESS OTHERWISE NOTED.
	FIRE ALARM CONTROL RELAY
AD	ADDRESSABLE INTERFACE MODULE TO MONITOR DUCT SMOKE DETECTORS INTEGRAL TO HVAC AIR HANDLING EQUIPMENT AND HVAC SMOKE/FIRE DAMPERS.
	HVAC SYSTEM SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR (BY DIV. 15). CONNECT TO NEAREST UNSWITCHED 120V SOURCE.
	MAGNETIC DOOR SWITCH FOR SECURITY SYSTEM.
	CCTV CAMERA, PTZ - PAN/TILT/ZOOM F - FIXED.
T	TRANSFORMER, AS NOTED.
	FIRE ALARM CONTROL PANEL, SEE SPECIFICATIONS FOR SYSTEM REQUIREMENTS.
	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
	LIGHTING BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
	POWER DISTRIBUTING PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
2	MOTOR CONNECTION WITH HP INDICATED.
F	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.
	MOTOR STARTER, SIZE AND POLES FOR MOTOR FURNISHED.
30/3	DISCONNECT SWITCH, NON-FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE AND NUMBER OF POLES, BE NEMA 3R IF INSTALLED OUTDOORS. VOLTAGE RATING AS REQUIRED BY SYSTEM.
30/3/20	DISCONNECT SWITCH, FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE, NUMBER OF POLES AND FUSE SIZE. TO BE NEMA 3R IF INSTALLED OUTDOORS. PROVIDE FUSES AT 125% F.L.A. OF UNIT UNLESS OTHERWISE INDICATED. VOLTAGE RATING AS REQUIRED BY SYSTEM.
	COMBINATION MOTOR STARTER / DISCONNECT SWITCH.
TV	TELEVISION SYSTEM CONDUIT, 3/4" WITH RG66 COAXIAL CABLE (MAIN RUNS), RG59U (TAPS TO OUTLETS).
T	TELEPHONE CONDUIT, MINIMUM 1/2" WITH CABLE. SEE DETAIL & SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
F	FIRE ALARM WIRING AND CONDUIT, SEE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT IN WALLS, CEILING OR BELOW SLAB WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT CONDUIT UNDER FLOOR WITH CONDUCTORS INDICATED.
A-2,4	HOME RUN CONDUIT TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
	POWER CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY.
223	LIGHTING CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY. SWITCH LEGS SHOWN AS REQUIRED FOR CLARITY.
	TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG AND GROUND CONDUCTORS RESPECTIVELY.
	SECURITY SYSTEM KEYPAD UNIT.

SYMBOL	DESCRIPTION
	KEYED NOTE SYMBOL - ELECTRICAL.
	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL EQUIPMENT SCHEDULE.
WP	WEATHERPROOF.
AC	ABOVE COUNTER (6" UNLESS NOTED OTHERWISE).
AFF	ABOVE FINISH FLOOR.
A	CEILING FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
B	BRACKET FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH BATTERY PACK AND OUTLET. TYPE "EM" AS INDICATED IN FIXTURE SCHEDULE.
	CEILING MOUNTED DOUBLE FACE EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	CEILING MOUNTED SINGLE FACE EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	WALL BRACKET OR RECESSED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
C	FLUORESCENT FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE. BODINE #B50 (1350 LUMENS) BATTERY PACK OR APPROVED EQUAL. PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
	LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE. BODINE BATTERY PACK OR APPROVED EQUAL. (SIZED FOR LAMP WATTAGE) PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
	JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MINIMUM 4'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN WIRE GROUND.
	POLE MOUNTED FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
S	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
S3	THREE-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
Sp	PILOT SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
S4	FOUR-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
SK	KEYED WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
ST	THERMAL SWITCH. WEATHERPROOF IF INSTALLED OUTSIDE. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
SD	DIMMER SWITCH, FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED. LUTRON "NOVA-T" SERIES. (1500W)
SC	CALL-IN SWITCH FOR INTERCOM SYSTEM. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
J	JUNCTION BOX FLUSH IN WALL. HEIGHT AS INDICATED FOR CONNECTION TO EQUIPMENT.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, 6" ABOVE COUNTER OR AS INDICATED.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
EWC	20 AMP DUPLEX GROUNDING TYPE CONVENIENCE RECEPTACLE INSTALLED WITHIN CASE OF ELECTRIC WATER COOLER.
	20 AMP GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
WP	20 AMP WEATHERPROOF DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED. COVER TO BE "HUBBELL" #5206 OR EQUAL.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, FLUSH MOUNTED IN COUNTER OR CEILING.
	20 AMP FOURPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
30	30 AMP, 125/250 VOLT, 4 WIRE DRYER RECEPTACLE, UP 36" OR AS INDICATED. PROVIDE MATCHING PLUG CAP.
50	50 AMP, 250 VOLT, 3 WIRE RANGE TYPE RECEPTACLE, FLUSH MOUNTED AT HEIGHT INDICATED AND FURNISHED FOR RATED AMPERAGE.
50	50 AMP, 250 VOLT RANGE RECEPTACLE, STUBBED UP ON CONDUIT 6" ABOVE FLOOR.
	20 AMP WEATHERPROOF GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE (IN CAST BOX), STUBBED UP ON RIGID CONDUIT ON ROOF UNLESS OTHERWISE INDICATED (UP 6" AFF OR AS NOTED).
	ISOLATED GROUNDING TYPE DUPLEX RECEPTACLE, UP 18" OR AS NOTED. HUBBELL #IG-5362.
	COMPUTER POWER/DATA FLOOR BOX. WALKER "RFB" SERIES #RFB-4-RAKMII-RFBWT WITH THREE (3) ISOLATED GROUND DUPLEX RECEPTACLES AND BUSHED OPENING FOR DATA CABLE, CARPET FLANGE AND WIRE MANAGEMENT BLOCKS.
	DUPLEX FLUSH FLOOR RECEPTACLE. HUBBELL #B-2536 BOX WITH #S-3925 COVER AND #IG-5362 RECEPTACLE.
	SPECIAL PURPOSE RECEPTACLE. SEE DRAWINGS FOR TYPE.
	DUPLEX FLUSH FLOOR OUTLET, HUBBELL #B-2536 FLOOR BOX WITH #S-3925 DUPLEX FLAP, DUPLEX RECEPTACLE, CARPET FLANGE AND ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. VERIFY EXACT LOCATION IN FIELD WITH ARCHITECT.
	PASSIVE INFRA-RED 360° SECURITY DETECTOR.

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

PAD 1/16/02
PAD 3/13/02
INITIALS DATE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER,	
	FROM SURVEYING	
	CONTROL, INC.	

BENCH MARK

C.O.A. BENCHMARK "6-121"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION

CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO-FILM INFORMATION

RECORDED BY DATE:
NO.

ARCHITECTS STAMP

199207D

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: CME DATE: 2/15/02
DRAWN BY: CME DATE: 2/15/02
CHECKED BY: CME DATE: 2/15/02

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SYMBOL LEGEND

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 5751.91
Zone Map No. L-21-Z
Sheet E4.2

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	RECESSED SPEAKER WITH OUTLET IN CEILING. JBL #8140 H/T SPEAKER WITH SOUNDOLIER #95-8 BACKBOX AND JBL #WB8 ROUND WHITE BAFFLE.
	PHONE/DATA OUTLET FLUSH IN WALL, 4" SQUARE BOX, 2-1/8" DEEP, ONE DEVICE COVER, UP 18" OR AS INDICATED.
	MICROPHONE WALL OUTLET UP 18" UNLESS OTHERWISE INDICATED, WITH MICROPHONE AND STAND AS REQUIRED ON DRAWINGS.
	TELEVISION OUTLET (75 OHM) UP 18" OR AS INDICATED.
	PHOTOCELL LIGHTING CONTROLLER, PRECISION #T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED UP 12" ABOVE ROOF, WITH WINDOW FACING NORTH.
	TELEPHONE OUTLET, UP 18" OR AS INDICATED. SEE DETAIL & SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
W	WALL MOUNTED TELEPHONE OUTLET, UP 44" OR AS INDICATED. SEE DETAIL AND SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
	CLOCK, UP 6'-8" TO BOTTOM. RAULAND #2410 DIGITAL CLOCK WITH MANUAL RESET SWITCHES AND FLUSH MOUNTING KIT.
	COMBINATION CLOCK/SPEAKERS UP 6'-8" TO BOTTOM. SOUNDOLIER #DC162-8 SPEAKER WITH #191-78 CAN. RAULAND #2410 CLOCK WITH MANUAL RESET SWITCHES AND FLUSH MOUNT KIT. JBL #8140 H/T SPEAKER WITH TRANSFORMER. INSTALL CALL-IN SWITCH DIRECTLY BELOW UNLESS OTHERWISE INDICATED (UP 44"). EXTEND 2 #12 IN 1/2" CONDUIT FROM CLOCK TO NEAREST 120 VOLT OUTLET.
FS	FIRE SPRINKLER SYSTEM FLOW SWITCH.
TS	FIRE SPRINKLER SYSTEM TAMPER SWITCH.
	FIRE ALARM VISUAL SIGNAL WITH MINI-SOUNDER, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER (WHICHEVER IS LOWER). SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
	FIRE ALARM MANUAL PULL STATION, UP 44". SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
	FIRE ALARM AUDIO/VISUAL SIGNAL, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER WHICHEVER IS LOWER). SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
H,I,S/H,D	F.A. AUTOMATIC DETECTOR, TYPE AS INDICATED (H-HEAT, I-IONIZATION, D-DUCT & S/H-SMOKE/HEAT). ALL DETECTORS "SMOKE" UNLESS OTHERWISE NOTED.
	FIRE ALARM CONTROL RELAY, SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS
AD	ADDRESSABLE INTERFACE MODULE TO MONITOR DUCT SMOKE DETECTORS INTEGRAL TO HVAC AIR HANDLING EQUIPMENT AND HVAC SMOKE/FIRE DAMPERS.
	HVAC SYSTEM SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR (BY DIV. 15). CONNECT TO NEAREST UNSWITCHED 120V SOURCE.
	MAGNETIC DOOR SWITCH FOR SECURITY SYSTEM.
	CCTV CAMERA, PTZ - PAN/TILT/ZOOM F - FIXED.
T	TRANSFORMER, AS NOTED.
	FIRE ALARM CONTROL PANEL, SEE SPECIFICATIONS FOR SYSTEM REQUIREMENTS.
	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
	LIGHTING BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
	POWER DISTRIBUTING PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
2	MOTOR CONNECTION WITH HP INDICATED.
F	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.
	MOTOR STARTER, SIZE AND POLES FOR MOTOR FURNISHED.
30/3	DISCONNECT SWITCH, NON-FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE AND NUMBER OF POLES, BE NEMA 3R IF INSTALLED OUTDOORS. VOLTAGE RATING AS REQUIRED BY SYSTEM.
30/3/20	DISCONNECT SWITCH, FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE, NUMBER OF POLES AND FUSE SIZE. TO BE NEMA 3R IF INSTALLED OUTDOORS. PROVIDE FUSES AT 125% F.L.A. OF UNIT UNLESS OTHERWISE INDICATED. VOLTAGE RATING AS REQUIRED BY SYSTEM.
	COMBINATION MOTOR STARTER / DISCONNECT SWITCH.
TV	TELEVISION SYSTEM CONDUIT, 3/4" WITH RG66 COAXIAL CABLE (MAIN RUNS), RG59U (TAPS TO OUTLETS).
T	TELEPHONE CONDUIT, MINIMUM 1/2" WITH CABLE. SEE DETAIL & SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
F	FIRE ALARM WIRING AND CONDUIT, SEE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT IN WALLS, CEILING OR BELOW SLAB WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT CONDUIT UNDER FLOOR WITH CONDUCTORS INDICATED.
A-2,4	HOME RUN CONDUIT TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
	POWER CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY.
	LIGHTING CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY. SWITCH LEGS SHOWN AS REQUIRED FOR CLARITY.
	TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG AND GROUND CONDUCTORS RESPECTIVELY.
	SECURITY SYSTEM KEYPAD UNIT.

SYMBOL	DESCRIPTION
	KEYED NOTE SYMBOL - ELECTRICAL.
	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL EQUIPMENT SCHEDULE.
WP	WEATHERPROOF.
AC	ABOVE COUNTER (6" UNLESS NOTED OTHERWISE).
AFF	ABOVE FINISH FLOOR.
A	CEILING FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
B	BRACKET FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH BATTERY PACK AND OUTLET. TYPE "EM" AS INDICATED IN FIXTURE SCHEDULE.
	CEILING MOUNTED DOUBLE FACE EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	CEILING MOUNTED SINGLE FACE EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	WALL BRACKET OR RECESSED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
C	FLUORESCENT FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE. BODINE #B50 (1350 LUMENS) BATTERY PACK OR APPROVED EQUAL. PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
	LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE. BODINE BATTERY PACK OR APPROVED EQUAL (SIZED FOR LAMP WATTAGE) PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
	JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MINIMUM 4'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN WIRE GROUND.
	POLE MOUNTED FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
$	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
$3	THREE-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
$P	PILOT SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
$4	FOUR-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
$K	KEYED WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
$T	THERMAL SWITCH. WEATHERPROOF IF INSTALLED OUTSIDE. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
$D	DIMMER SWITCH, FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED. LUTRON "NOVA-T" SERIES. (1500W)
$C	CALL-IN SWITCH FOR INTERCOM SYSTEM. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
	JUNCTION BOX FLUSH IN WALL. HEIGHT AS INDICATED FOR CONNECTION TO EQUIPMENT.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, 6" ABOVE COUNTER OR AS INDICATED.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
EWC	20 AMP DUPLEX GROUNDING TYPE CONVENIENCE RECEPTACLE INSTALLED WITHIN CASE OF ELECTRIC WATER COOLER.
	20 AMP GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
WP	20 AMP WEATHERPROOF DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED. COVER TO BE "HUBBELL" #5206 OR EQUAL.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, FLUSH MOUNTED IN COUNTER OR CEILING.
	20 AMP FOURPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
30	30 AMP, 125/250 VOLT, 4 WIRE DRYER RECEPTACLE, UP 36" OR AS INDICATED. PROVIDE MATCHING PLUG CAP.
50	50 AMP, 250 VOLT, 3 WIRE RANGE TYPE RECEPTACLE, FLUSH MOUNTED AT HEIGHT INDICATED AND FURNISHED FOR RATED AMPERAGE.
50	50 AMP, 250 VOLT RANGE RECEPTACLE, STUBBED UP ON CONDUIT 6" ABOVE FLOOR.
	20 AMP WEATHERPROOF GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE (IN CAST BOX), STUBBED UP ON RIGID CONDUIT ON ROOF UNLESS OTHERWISE INDICATED (UP 6" AFF OR AS NOTED).
	ISOLATED GROUNDING TYPE DUPLEX RECEPTACLE, UP 18" OR AS NOTED. HUBBELL #IG-5362.
	COMPUTER POWER/DATA FLOOR BOX. WALKER "RFB" SERIES #RFB-4-RAKMII-RFBWT WITH THREE (3) ISOLATED GROUND DUPLEX RECEPTACLES AND BUSHED OPENING FOR DATA CABLE, CARPET FLANGE AND WIRE MANAGEMENT BLOCKS.
	DUPLEX FLUSH FLOOR RECEPTACLE. HUBBELL #B-2536 BOX WITH #S-3925 COVER AND #IG-5362 RECEPTACLE.
	SPECIAL PURPOSE RECEPTACLE. SEE DRAWINGS FOR TYPE.
	DUPLEX FLUSH FLOOR OUTLET, HUBBELL #B-2536 FLOOR BOX WITH #S-3925 DUPLEX FLAP, DUPLEX RECEPTACLE, CARPET FLANGE AND ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. VERIFY EXACT LOCATION IN FIELD WITH ARCHITECT.
	PASSIVE INFRA-RED 360° SECURITY DETECTOR.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

BENCH MARK
C.O.A. BENCHMARK "8-21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,875.01
GROUND TO GRID FACTOR: 0.99984485
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER, FROM SURVEYING CONTROL, INC.	

ARCHITECTS STAMP

199207D

7-22-02 DRC & PLANCHECK REVISIONS

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: CME	
		DRAWN BY: CME	
		CHECKED BY: CME	
		DATE: 2/15/02	
		DATE: 2/15/02	
		DATE: 2/15/02	

DANIEL W. ROMERO JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER 7-23-02

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

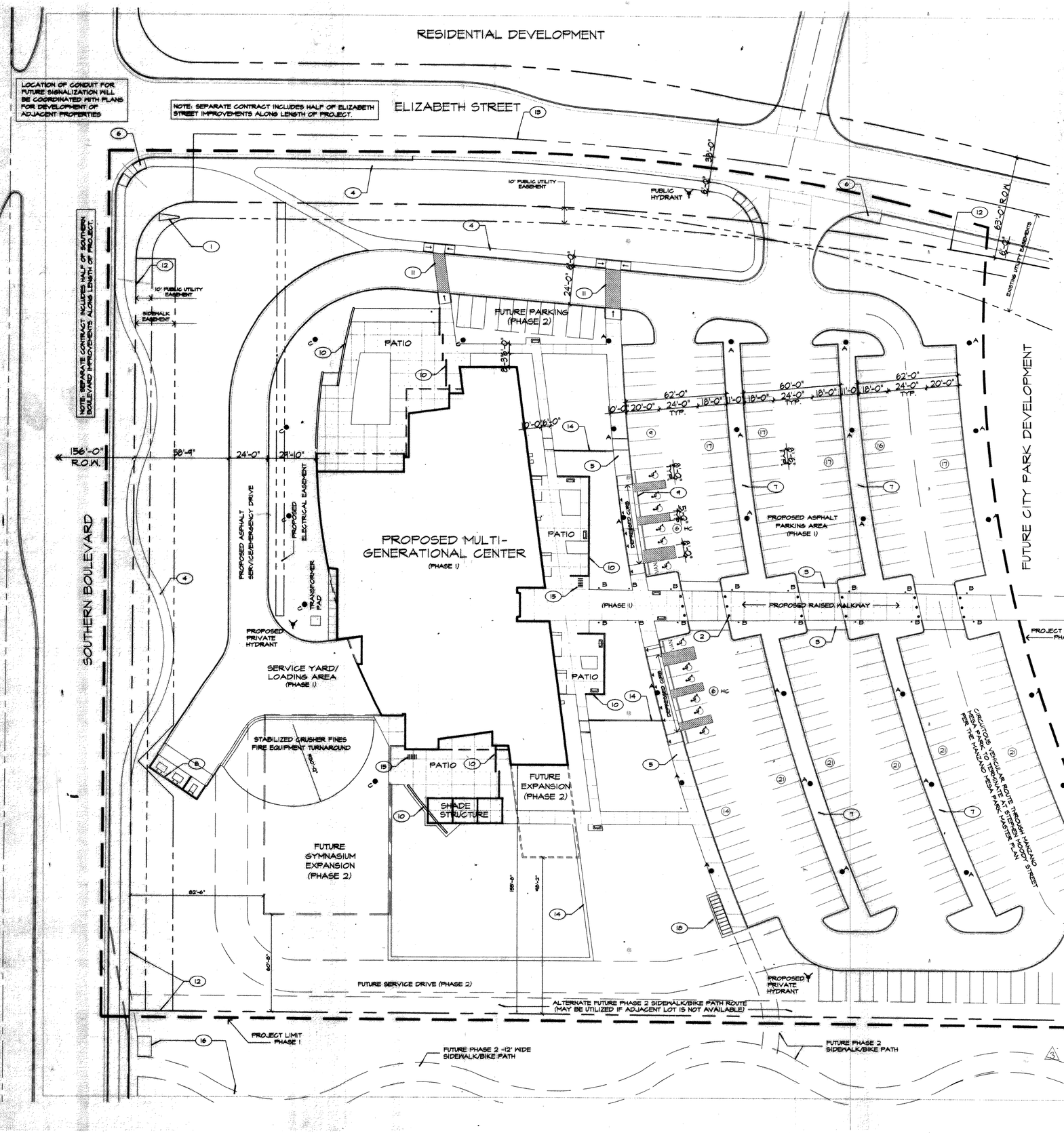
CITY OF ALBUQUERQUE - DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES
PARKS & RECREATION DEPARTMENT

TITLE: GYMNASIUM ADDITION
MANZANO MESA MULTI-GENERATIONAL CENTER
SYMBOL LEGEND

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 1 2002 DESIGN REVIEW COMMITTEE	APPROVED AUG - 1 2002 CITY ENGINEER			

City Project No. 5751.93
Zone Map No. L-21-Z
Sheet 49 of 49
E4.2

PAD 1/16/02
PAD 8/13/02
INITIALS DATE



PROPOSED LIGHTING LEVELS

SERVICE ROAD	0.5 FOOTCANDLES
PARKING LOTS AND ENTRY	1.0 FOOTCANDLES
PEDESTRIAN ROUTES	0.5-1.0 FOOTCANDLES

LIGHTING LEGEND

- ●A FOUR "CUTOFF" LUMINAIRES 400W HPS 20' HIGH STANDARD DESIGN POLE-MOUNTED
- ●B "CUTOFF" LUMINAIRE 150W METAL HALIDE 12' HIGH CUSTOM DESIGN POLE-MOUNTED
- ●C "CUTOFF" LUMINAIRES 150W METAL HALIDE 12' HIGH STANDARD DESIGN POLE-MOUNTED

PATIO AND AMPITHEATER AREAS WILL BE LIT FROM BUILDING SOFFITS AND STEP LIGHTS IN LOW WALLS. ADDITIONAL LIGHTING TO BE PROVIDED BY BUILDING-MOUNTED DOWNLIGHTS WITH NO FORWARD THROW. BUILDING SIGN AT ELIZABETH STREET WILL BE LIT FROM STANCHION-MOUNTED LUMINAIRE.

PARKING CALCULATIONS

PHASE 1

ROOM & AREA		PARKING REQ'D.
SOCIAL HALL	3,214 NSF	53.6
EXERCISE	1,622.5 NSF	10.8
SITTING RM	1,303.6 NSF	21.7
ADMIN.	1087.9 NSF	5.4
GIFT SHOP	249.6 NSF	1.2
CLASSRM 104	893.3 NSF	22.3
BILLIARDS	1,663 NSF	27.7
CERAMICS	858 NSF	14
CRAFTS	1197 NSF	12
CLASSRM 115	956.5 NSF	23.9
COMPUTER	1747 NSF	43.7
FOOD PREP	797.3 NSF	1
TOTAL REQUIRED PHASE 1		223.8
ACCESSIBLE SPACES		8
VAN ACCESSIBLE SPACES		1
TOTAL PROVIDED PHASE 1		224
ACCESSIBLE SPACES		11
VAN ACCESSIBLE SPACES		2

PHASE 2

ROOM & AREA		PARKING REQ'D.
GYM	7,892 NSF	132
ADULT CARE	1,334 NSF	5
TOTAL REQUIRED PHASE II (NO DISCOUNT)		137
ACCESSIBLE SPACES		4
VAN ACCESSIBLE SPACES		1

TOTAL REQUIRED PHASE 1 & II (NO DISCOUNT) 361
ACCESSIBLE SPACES 12
VAN ACCESSIBLE SPACES 2
TOTAL REQUIRED PHASE 1 & II WITH 15% TRANSIT DISCOUNT FOR BUS STOP & SHELTER 307

BIKE RACK SLOTS TO BE PROVIDED: 1 PER 20 PARKING SPACES

TOTAL REQUIRED PHASE 1: 12
TOTAL PROVIDED PHASE 1
12 LOOPS + 10 LOCKERS

KEYED NOTES

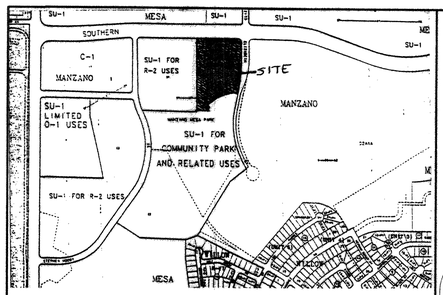
1. BUILDING SIGN
2. BOLLARDS, TYP.
3. SPEED CONTROL RAMP UP TO WALKWAY LEVEL
4. 6' WIDE CONCRETE SIDEWALK (PEDESTRIAN)
5. 10' WIDE CONCRETE SIDEWALK
6. CURB RAMPS PER COA STANDARD, TYP. AT ALL CROSSWALKS
7. PLANTING BED
8. REFUSE CONTAINER ENCLOSURES
9. WHEEL STOPS AT ALL ACCESSIBLE PARKING SPACES, TYP.
10. PAINTED CONCRETE LOW WALL
11. PAINTED PEDESTRIAN CROSSING
12. PROPERTY LINE
13. CENTERLINE RIGHT-OF-WAY
14. MOW STRIP
15. BICYCLE LOOPS
16. POTENTIAL FUTURE BUS SHELTER & ACCESSIBLE ROUTE
17. CATCH BASIN, TYP., SEE SITE DRAINAGE PLAN
18. BIKE LOCKERS

NOTE: ALL PHASE 2 PEDESTRIAN AND VEHICULAR LINKAGES WITH MANZANO MESA PARK WILL BE DESIGNED IN ACCORDANCE WITH THE APPROVED PARK MASTER PLAN, COORDINATED WITH ADJACENT PARK DEVELOPMENTS & REVIEWED BY DRB PRIOR TO IMPLEMENTATION.

BUILDING SIGN DETAIL

BUILDING & SITE AREAS

PHASE 1 STRUCTURE	26,669 GSF
PHASE 2 STRUCTURE	12,271 GSF
TOTAL PHASE 1 + PHASE 2	38,940 GSF
PHASE 1 SITE AREA	6.52 ACRES



VICINITY MAP L-21-Z

Project # 1000879
Application # 00450-00000-01420
APPROVALS Z-99-101

Planning Director	11/9/00 Date
Transportation Development	11-01-00 Date
City Engineer/AMAFCA	11/1/00 Date
Utility Development	11/1/00 Date
Parks and Recreation Department	11/1/00 Date
Solid Waste	Date

Arthur Clayton - will process at time of bldg. permit 11-02-00

FOR REFERENCE ONLY

Sheets marked "For Reference Only" contain documentation that does not pertain to the bidding process and should not be used for bidding purposes.

Kells + Craig Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER

SITE MASTER PLAN

0 5' 15' 30' 60' 1" = 30'-0"

NORTH

November 1, 2000

City Project No.	Zone Map No.	Sheet SUPPLEMENT
5751.93	L-21-Z	SITE-DRB