THE EAST-CENTRAL MULTI-SERVICE CENTER

THE BURNS/PETERS GROUP, P.A.
ARCHITECTS PLANNERS

PROJECT MANAGER
ROBERT W. BIGGERS

CONSULTANTS:
COUPLAND/POWELL/MORAN/ASSOCIATES
BACCHUS CONSULTING ENGINEERING
TOM MANN ASSOCIATES
CRAIG CAMPBELL ASSOCIATES

PLUMBING/MECHANICAL/ELECTRICAL
STRUCTURAL
CIVIL
LANDSCAPE ARCHITECTS

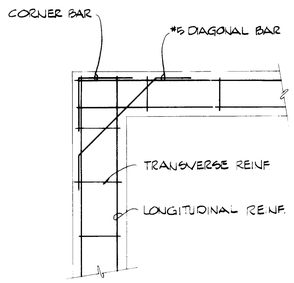
26 1589 0184

ALBUQUERQUE NEW MEXICO 1706

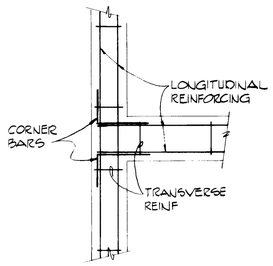
Architects & Planners

26 1589 014
1589
SET NUMBER

THE HUMAN SERVICES DEPARTMENT CITY OF ALBUQUERQUE, NEW MEXICO



DETAIL F1



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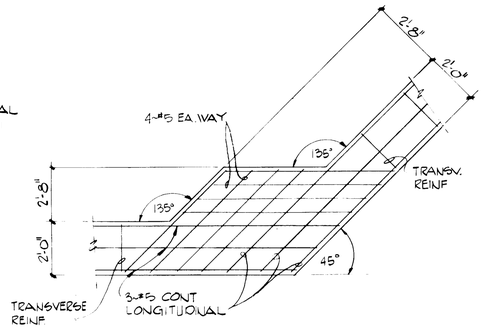

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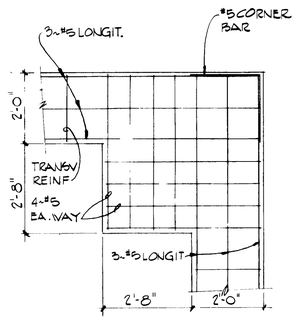

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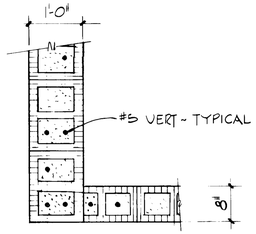
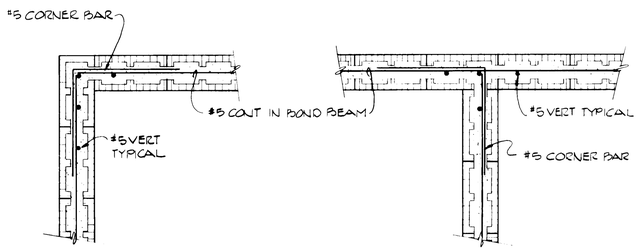
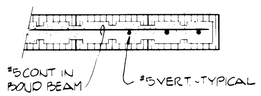


DETAIL M5

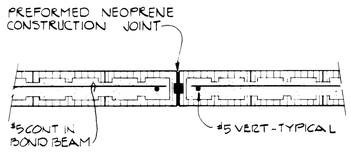


DETAIL M1



NOTE: TYPICAL AT END OF WALL OR JAMB OF OPENING.

DETAIL M2



NOTE: STOP MASONRY AND BOND BEAM REINFORCING, EXCEPT AT JOIST BEARING, AT CONTROL JOINT.

DETAIL M3

DETAIL M4

GENERAL NOTES - FOOTING DETAILS

1. Except as otherwise shown, all strip footings are 12" thick and are centered under the walls they support. See FOUNDATION PLAN, Sheet S-1, for footing widths.

2. Reinforcing shown in footing details F1 through F4 is at bottom of footing. See foundation sections on Sheet S-3 for top of footing reinforcing.

3. Dowels to walls are not shown. See foundation sections on Sheet S-3 and masonry details this sheet for required wall reinforcing.

4. Provide #5 corner and diagonal bars at locations shown in footing details. Legs of corner bars shall be not less than 24 inches in length and tails of diagonal bars shall be not less than 16 inches in length.

5. Except as otherwise shwon, bottom of footing reinforcing shall be as follows.

Footing Width	Longitudinal Reinforcing	Transverse Reinforcing
1'-8" and less	2-#5	#4 @ 32" o/c
1'-9" through 2'-8"	3-#5	#4 @ 24" o/c
2'-9" through 3'-8"	4-#5	#4 @ 12" o/c

GENERAL NOTES - CONCRETE CONSTRUCTION

1. GENERAL. Except as otherwise shown, reinforcing shall be placed in accordance with the latest edition of the CRSI Placing Manual.

2. PLACEMENT OF REINFORCING AND OTHER ITEMS. Reinforcing, dowels, bolts and any other inserts shall be fastened into position before concrete is placed. Drilled-in expansion anchors shall not be used except where specifically shown on the drawings. Vertical reinforcing in walls shall be placed at the center of the wall except as otherwise shown. The spacings shown for reinforcing and other anchorage and embedded items are maximums. Provide and install a sufficient number of items so that the spacings shown are not exceeded. The first and last items in a group of uniformly spaced items shall be located at not more than one-half the typical spacing nor 12 inches from the end of a structural element.

3. CONTINUITY OF REINFORCING.
   a) General. Except where lengths of reinforcing are given, reinforcing shall be continuous for the full length or width of a structural element. Hooks in reinforcing which are not otherwise detailed shall be standard ACI hooks. Splices in reinforcing which are not otherwise detailed shall be ACI Class C splices.

   b) Vertical Reinforcing. No splices permitted except as shown.

3. CONTINUITY OF REINFORCING. (Continued)

   c) Horizontal Reinforcing:
      i) Footings, stem walls, turned-down slab edges: Bars shall be lapped not less than 32 bar diameters nor 24 inches. Additional reinforcing shall be provided at corners, intersections and other discontinuities as shown in the details on this sheet and elsewhere on the drawings.

      ii) Concrete slabs: Welded wire fabric shall be lapped not less than one-and-one half meshes nor 8 inches on all sides.

4. JOINTS.
   a) Slabs on grade: Joints shall be located where shown on the drawings except as otherwise approved by the Architect.

   b) Footings, stem walls: Joints shall be placed at locations to be selected by the Contractor subject to the following restrictions. There shall be no joints within 4 feet of any corner or intersection. Joints in walls shall be offset from joints in footings by not less than 4 feet. Splices in reinforcing shall not be located within 4 feet of any joint in the concrete. Provide horizontal and vertical keys at all joints in walls or footings or between walls and footings.

GENERAL NOTES - MASONRY CONSTRUCTION

1. REINFORCING.

   a) Vertical Reinforcing.
   Except as otherwise shown in the masonry details (M1 through M4) on this sheet and the FOUNDATION PLAN, Sheet S-1, provide #5 @ 32" o/c, bars to be placed at the center of the wall. Place bars in lengths as long as practical; lap bars not less than 24 inches at splices. Provide #5 dowels from footings at all vertical bars with 8 inch (minimum) horizontal legs and 32" (minimum) vertical legs.

   b) Horizontal Reinforcing.

   Bond Beams. Reinforce with 1-#5 continuous. Lap bars not less than 24 inches at splices. Use #5 corner bars with 24 inch legs at all corners and intersections as shown in details M1 and M2 on this sheet. Provide continuous bond beams at tops of walls, at joist bearings, at roof level along non-bearing walls, and at the following elevations (measured to the top of the bond beam): 0'-0", 7'-4" and 8'-0". Where bond beams must be stepped to follow slope of roof, steps shall be 8 inches. Overlap bond beams and reinforcing not not less than 2'-8" at steps.

   Bearing and Lintel Beams. Provide and reinforce as shown on the roof framing sections.

   Joint Reinforcing. Provide type as specified at alternate courses. Maintain continuity at corners and intersections by use of prefabricated items or other approved means. Lap not less than 8" at splices in straight runs. Stop joint reinforcing at masonry control joints. See detail M4 this sheet.

2. MASONRY UNITS. Except as otherwise shown, provide units with manufacturer's standard finishes and colors at all locations, including construction below grade, where masonry will not be exposed to view after construction is complete. In other locations provide units with surface textures and colors as indicated on the building elevations on Sheets A2 and A2.5.

3. ANCHOR BOLTS AND EXPANSION ANCHORS. Drilled-in expansion anchors shall not be used except where specifically shown on the drawings. Anchor bolts and expansion anchors shall be firmly anchored in grout with both the cell containing the anchor and the cell below grouted solid. Where anchors are uniformly spaced, the first and last anchors shall be spaced at not more than half the typical spacing nor 16 inches from the end of a wall or beam.

4. CONTROL JOINTS. Control joints in masonry walls shall be located where shown on the foundation plan and the building elevations. Horizontal reinforcing masonry shall be stopped at control joints except at bond beams at joist bearings. Provide 1-#5 vertical on each side of each control joint as shown in detail M on this sheet.

5. GROUT. Grout lifts and free fall of grout in cmu wall shall not exceed 4 feet. Grout shall be placed using the low lift grouting method. Before grouting, cells and cavities to be grouted shall be cleaned of all trash, mortar droppings and fins, and standing water. All cells below finish floor shall be grouted solid. Except at the tops of walls, shear keys shall be provided at the top course of all cells containing vertical reinforcing by stopping the grout pour at midheight of the top course being ground. Masonry beams shall be grouted in one lift with no construction joints permitted. Mortar shall not be used as grout.

SCALE: F1-F4 3/8" = 1'-0"
M1-M5 3/4" = 1'-0"

26 1589 0984

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6900 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 505/ 265-3645

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

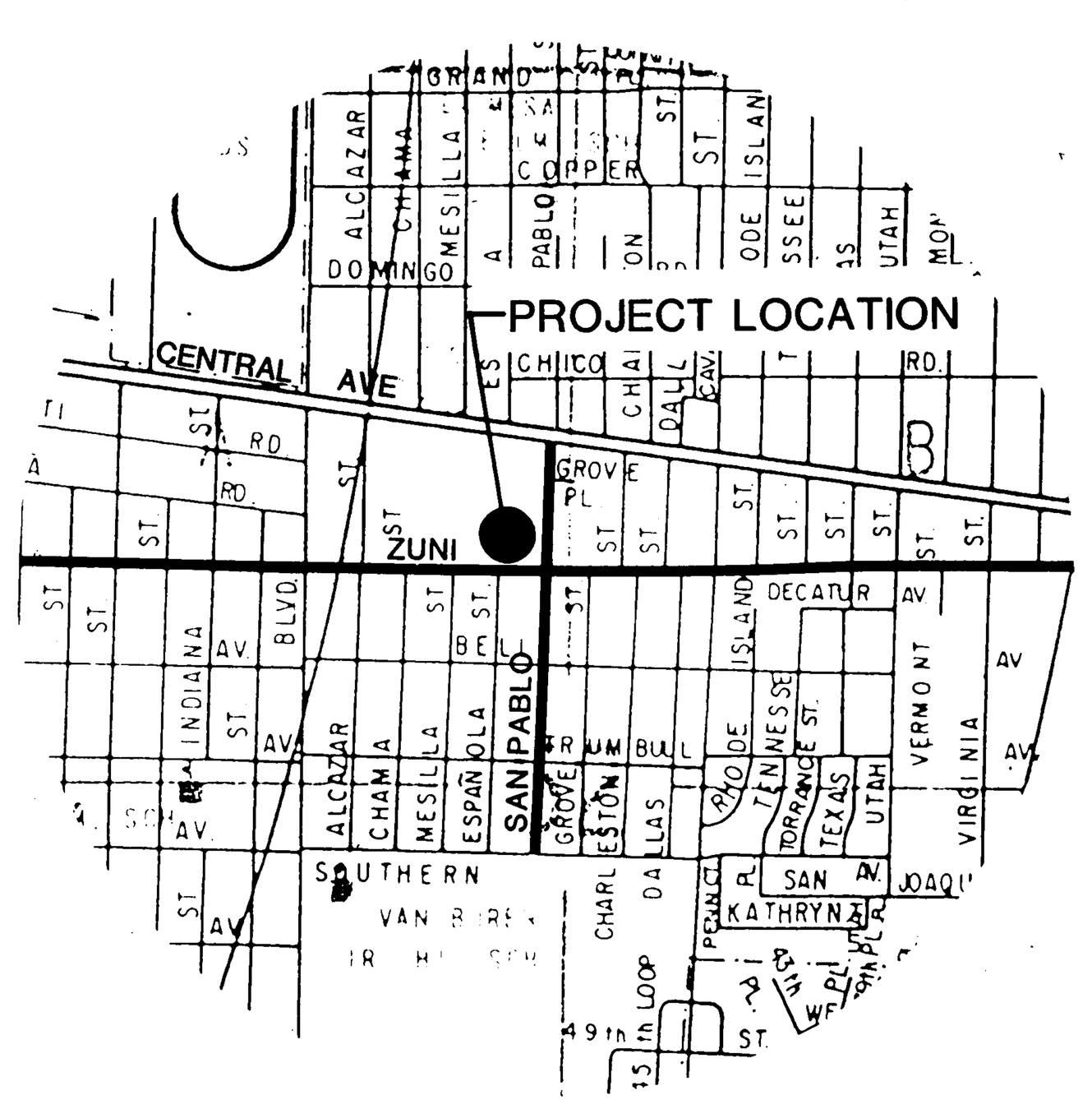
Charles Bacchus
ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 795
REGISTERED ARCHITECT
ARCHITECT

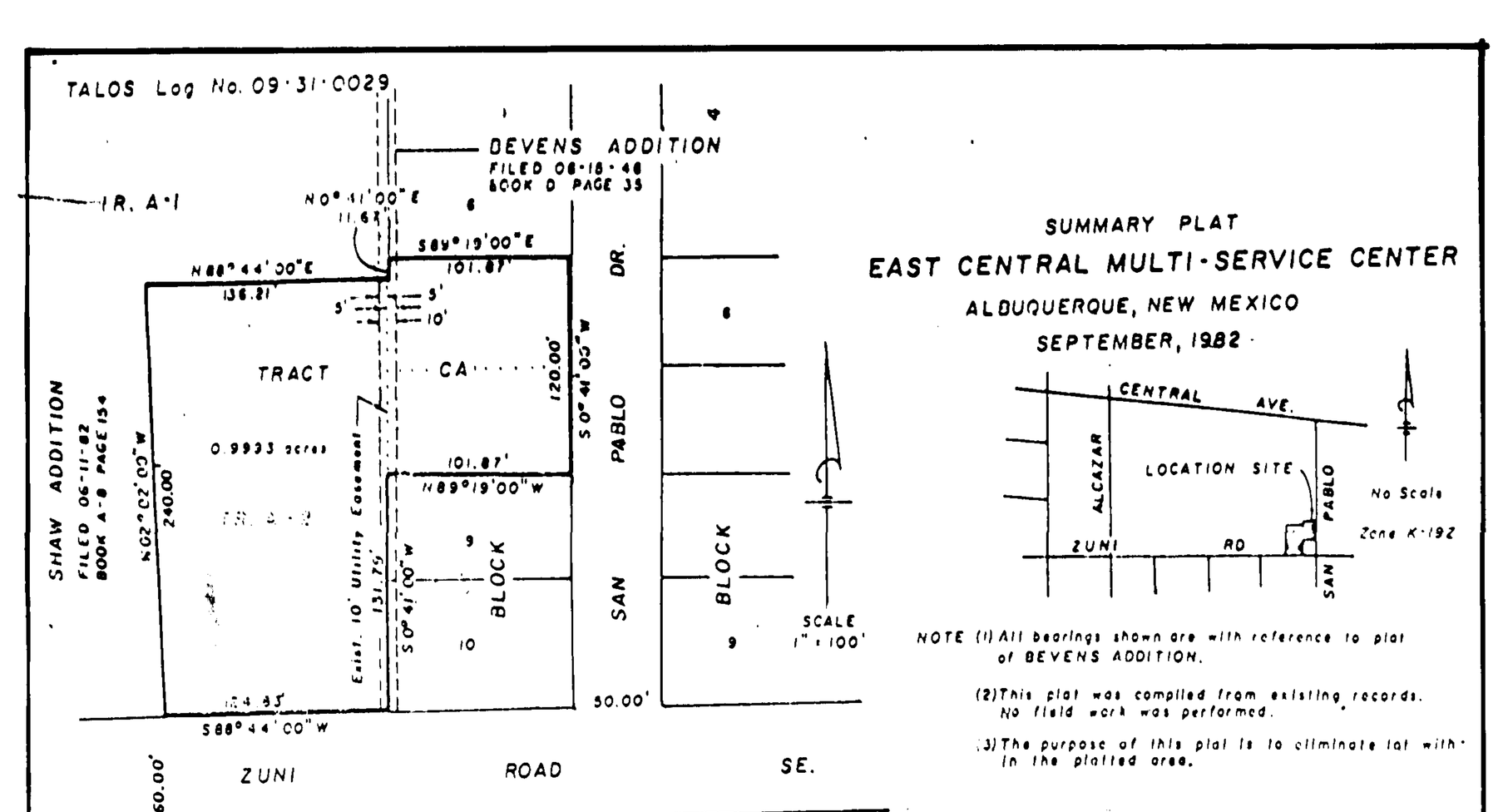
THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

S2
SHEET 9 OF 86



VICINITY MAP
NO SCALE



FREE CONSENT

The foregoing replat of that certain tract of land situate in the City of Albuquerque, New Mexico comprising of Tract A-2 of SHAW ADDITION, as shown on the replat said Addition and filed for record in the Office of the County Clerk of Bernalillo County, New Mexico on June 11, 1982 together with Lots 7 and 8 of Block 3 of the BEVENS ADDITION as filed in said office on June 15, 1946. NOW replatted and designated Tract CA as the same appears hereon is with the free consent and in accordance with the desires of City of Albuquerque, undersigned owner and proprietor thereof.

By ______________________ Chief Administrative Officer, City of Albuquerque, NM

Attest ______________________ Municipal Clerk, City of Albuquerque, NM

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

On this ____ day of ________ 19 ___ the foregoing instrument was acknowledged before me by ______________, Chief Administrative Officer for the City of Albuquerque, NM., a Municipal Corporation, on behalf of that Corporation

My Commission Expires: ______________ ______________ Notary Public

LEGEND OF SYMBOLS

- SECTION OR DETAIL
- SECTION LETTER OR DETAIL NUMBER
- SHEET CUT
- SECTION LETTER
- SHEET DRAWN
- DETAIL NUMBER
- SHEET DRAWN
- ELEVATION LETTER
- SHEET DRAWN
- ROOM NUMBER
- ROOM NAME
- CIELING HEIGHT
- FINISH GROUP
- CABINET TYPE
- CABINET WIDTH IN INCHES
- DOOR NUMBER
- FRAME OR WINDOW TYPE
- EQUIPMENT OR FIXTURE NUMBER
- K PREFIX DESIGNATES KITCHEN EQUIPMENT
- KEYED NOTE
- SPOT ELEVATION
- CONTROL OR DATUM POINT
- PROPERTY LINE
- EXISTING CONTOUR
- NEW CONTOUR

MATERIAL INDICATIONS

- EARTH
- CONCRETE
- BRICK
- CONCRETE BLOCK
- STEEL
- BATT INSULATION
- RIGID INSULATION
- GRAVEL
- SAND
- WOOD (FINISH)
- WOOD (THROUGH MEMBER)
- WOOD (INTERUPTED MEMBER)
- GYPSUM BOARD
- PLYWOOD
- CEILING TILE
- PARTICLE BOARD

DESIGN CRITERIA

REFERENCES

Comprehensive City Zoning Code and Atlas
City of Albuquerque 1977
Uniform Building Code 1982 Edition
Life Safety Code NFPA 101 1973

ADDRESS

7525 Zuni Road SE
Albuquerque, New Mexico

LEGAL DESCRIPTION

The foregoing replat of that certain tract of land situate in the City of Albuquerque, New Mexico comprising of Tract A-2 of SHAW ADDITION, as shown on the replat said Addition and filed for record in the Office of the County Clerk of Bernalillo County, New Mexico on June 11, 1982 together with lots 7 and 8 of Block 3 of the BEVENS ADDITION as filed in said office on June 15, 1946. NOW replatted and designated Tract CA as the same appears hereon is with the free consent and in accordance with the desires of City of Albuquerque, undersigned owner and proprietor thereof.

ZONING

C-1 and C-2

PARKING

Public Assembly Area @ 88 seats			
	88 : 4	=	22 spaces
Office Area @ 2800 S. F.			
	2800 : 200	=	14 spaces
Clinic Area: (2) physicians			
	2 x 5	=	10 spaces
SUB-TOTAL			46 spaces
10% Reduction for proximity to exist Bus stop			- 4.6
TOTAL REQUIRED PARKING SPACES			42
TOTAL PARKING SPACES PROVIDED			
Full size cars			49
Small cars			9
	TOTAL		58

PAVED AREA

24060 sq. ft.

LANDSCAPED AREA

9334 sq. ft.

SITE DRAINAGE

Refer to grading and drainage plan being Prepared by Tom Mann and Associates

TYPE OF CONSTRUCTION

V N

OCCUPANCY GROUP

B-2 and A-3

FLOOR AREA ALLOWABLE

TABLE 5-C		
Basic Allowable Area	A-3	6000 sq. ft.
	B-2	8000 sq. ft.
Separation on 2 sides	50%	Increase
	A-3	9000 sq. ft.
	B-2	12,000 sq. ft.

Sum of the ratios: 2010/9000 + 8126/12000 = .9001<1

ACTUAL FLOOR AREA

10136 sq. ft.

OCCUPANT LOAD

Multi-Purpose space	2010 SF / 7	287
Office Space	8126 SF / 100	81
	Total	368

EXIT WIDTH ANALYSIS

Multi-Purpose Space	287 / 50	5.74 ft.
Total Building	368 / 50	7.36 ft.

SEISMIC ZONE

2

DESIGN LOADS

Refer to Structural Drawings being prepared by Charles Bacchus Engineering.

26 1589 0284

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 (505) 265 3645

DRAWING INDEX

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT

ARCHITECT

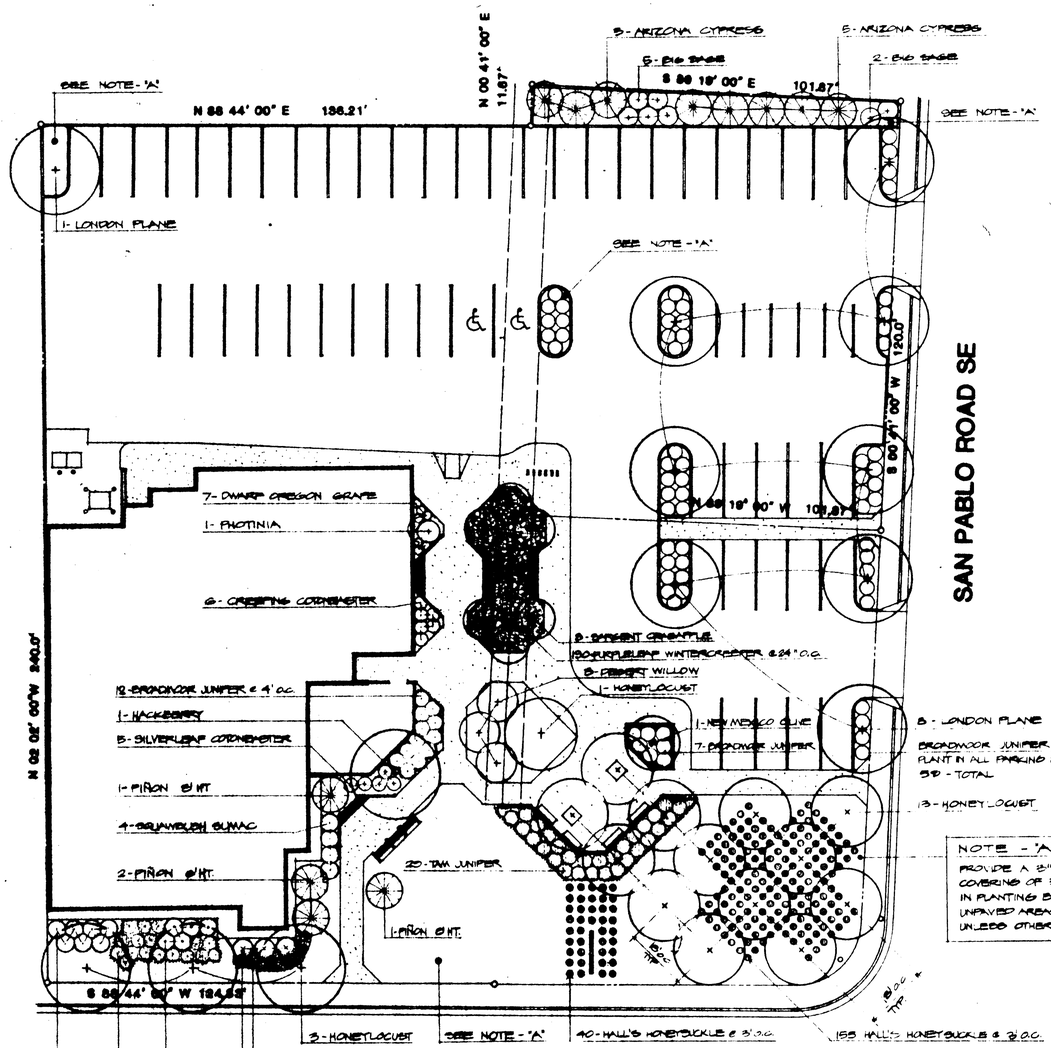
THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8203

DATE MAY '83

G1

SHEET 2 OF 36



SITE PLAN
SCALE: 1" - 20'-0"

NOTE

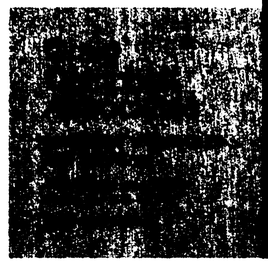
ALL LANDSCAPE PLANTINGS AND IRRIGATION ACTIVITY SHALL BE A MINIMUM OF 5' FROM THE BUILDING.

LASON 1-505-344-9404
BEST COPY AVAILABLE

QTY	COMMON NAME	BOTANICAL NAME	SIZE	NOTES
8	ARIZONA CYPRESS	CUPRESSUS ARIZONICA	5-GAL	MIN. 4' HT., FULL
7	BIG SAGE	ARTEMISIA TRIDENTATA	3-GAL	MIN. 12" HT.
78	BROADMOOR JUNIPER	JUNIPERUS SABINA BROADMOOR	5-GAL	MIN. 18" SPREAD
17	COYOTE BRUSH	BACCHARIS PILULARIS	1-GAL	
18	CREEPING COTONEASTER	COTONEASTER ADPRESSUS	5-GAL	MIN. 18" SPREAD
3	DESERT WILLOW	CHILOPSIS LINEARIS	15-GAL	MIN. 5' HT.
7	DWARF OREGON GRAPE	MAHONIA AQUIFOLIUM COMPACTA	5-GAL	MIN. 10" HT AND FULL
1	HACKBERRY	CELTIS OCCIDENTALIS	2½" CAL	B&B MIN. 10' HT.
17	HONEYLOCUST	GLEDITSIA TRIACANTHOS 'SHADEMASTER'	2½" CAL	B&B MATCHED 2 MIN HT. 6' TO LOWEST BRANCH
9	LONDON PLANE	PLATANUS ACERIFOLIA	2½" CAL	B&B, 2' MIN. HT
195	HALL'S HONEYSUCKLE	LONICERA JAPONICA HALLIANA	1-GAL	
1	NEW MEXICO OLIVE	FORESTIERA NEOMEXICANA	5' HT	MIN. 5 STEMS AVG CAL 1¼"
1	PHOTINIA	PHOTINIA FRASERI	5-GAL	MIN. 3' HT., FULL
4	PIÑON PINE	PINUS EDULIS	SEE NOTE	2 @ 8' HT 2 @ 5' HT
20	POTENTILLA	POTENTILLA FRUTICOSA GOLD DROP	3-GAL	MIN. 12" HT
190	PURPLELEAF WINTERCREEPER	EUONYMUS FORTUNE COLORATA	1-GAL	18" MIN SPREAD
8	SARGENT CRABAPPLE	MALUS SARGENTI	2" CAL	B & B, MATCHED
5	SILVERBERRY	ELAEGNUS PUNGENS	5-GAL	MIN. 3' HT
5	SILVERLEAF COTONEASTER	COTONEASTER EXPANSUS	5-GAL	
3	SPANISH BROOM	GENISTA HISPANICA	5-GAL	
11	SQUAWBUSH SUMAC	RHUS TRILOBATA	5-GAL	MIN 18" HT.
20	TAM JUNIPER	JUNIPERUS SABINA TAMARISCIFOLIA	5-GAL	

NOTE: TOP OF GRAVEL MULCH SHALL BE FLUSH WITH ADJACENT PAVED SURFACES.

AS BUILT JUNE 1, 1984
PLANTING PLAN



NOTES

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84
Charlie Peters

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 755
REGISTERED ARCHITECT
ARCHITECT

THE EAST · CENTRAL MULTI · SERVICE CENTER

PROJECT NO. 8205
DATE SEPT. '83

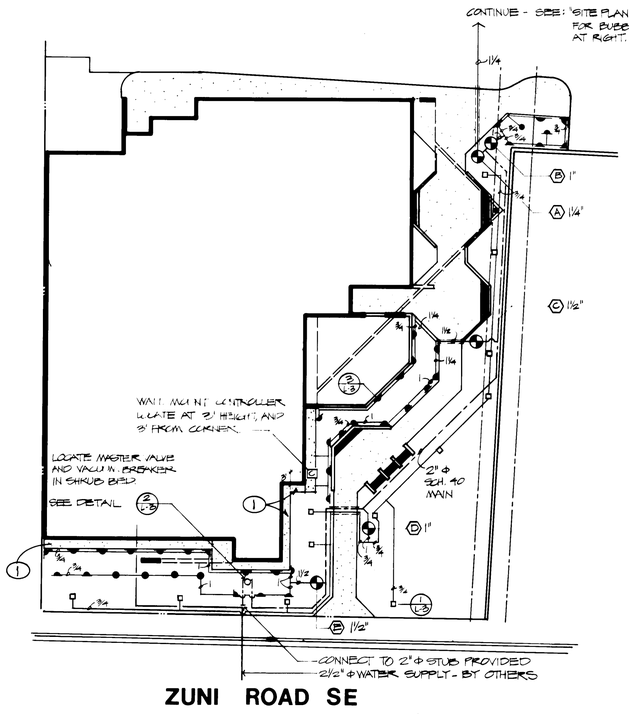
SHEET OF

NOTE:
- CONTACT LANDSCAPE ARCHITECT TO APPROVE STAKED LOCATIONS OF BUBBLERS AND MASTER VALVE / AVB PRIOR TO INSTALLATION.

NOTE : ALL LANDSCAPE PLANTINGS AND IRRIGATION ACTIVITY SHALL BE MIN. 5' FROM THE BLDG. PERIMETER

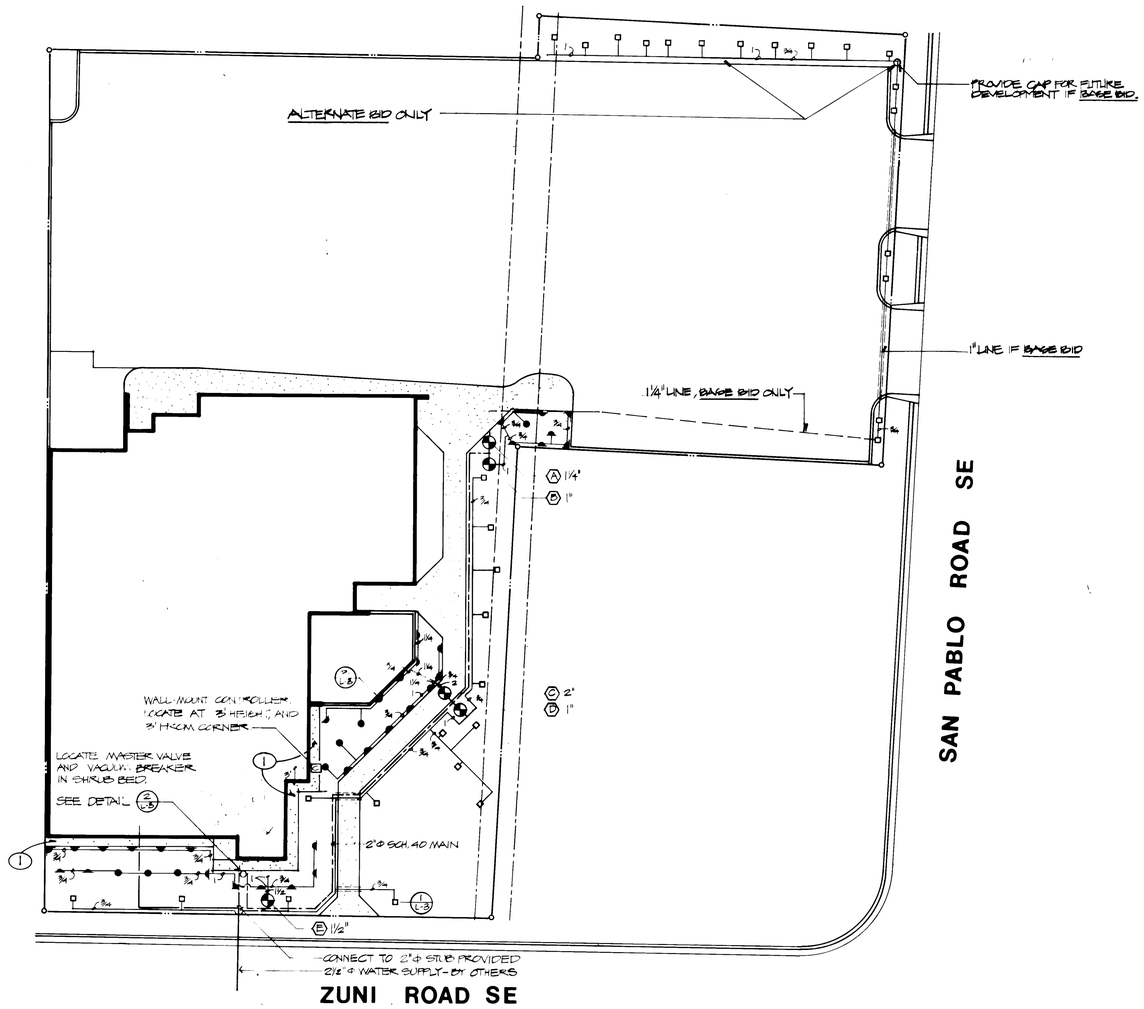
IRRIGATION LEGEND

● ▲ ◣	"WEATHERMATIC" JET IRRIGATOR # 104, FULL, HALF & QUARTER HEADS ON NO. 94-P HI-RISER
▫	"WEATHERMATIC" BUBBLER HEAD # 103
◐	"WEATHERMATIC" 11024 SERIES REMOTE CONTROL VALVE SIZE AS NOTED ON PLAN. Ⓐ VALVE REFERENCE LABEL
C	RAINBIRD: RC-7A-AB DUAL PROGRAM ELECTRO-MECHANICAL CONTROLLER INSTALL IN NEMA STEEL ENCLOSURE W/LOCK
———	LATERAL LINE PVC CLASS 200
— - —	MAIN LINE: PVC 2"Φ SCHEDULE 40
= = =	SLEEVE: PVC CLASS 160 SIZE 1" LARGER DIA. THAN PIPE
	"RAINBIRD": AVB-200 2" ATMOSPHERIC VACUUM BREAKER BACKFLOW PREVENTER



Site Plan – Alternate #1

Scale: 1" = 20'



Site Plan – Base Bid

Scale: 1" = 20'

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505 265 3645

NOTES

① 4" REINF. CONC. MOISTURE BARRIER @ 8' WIDE (TYPICAL)

26 15 89 0684

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 89

REVISIONS

ENGINEER

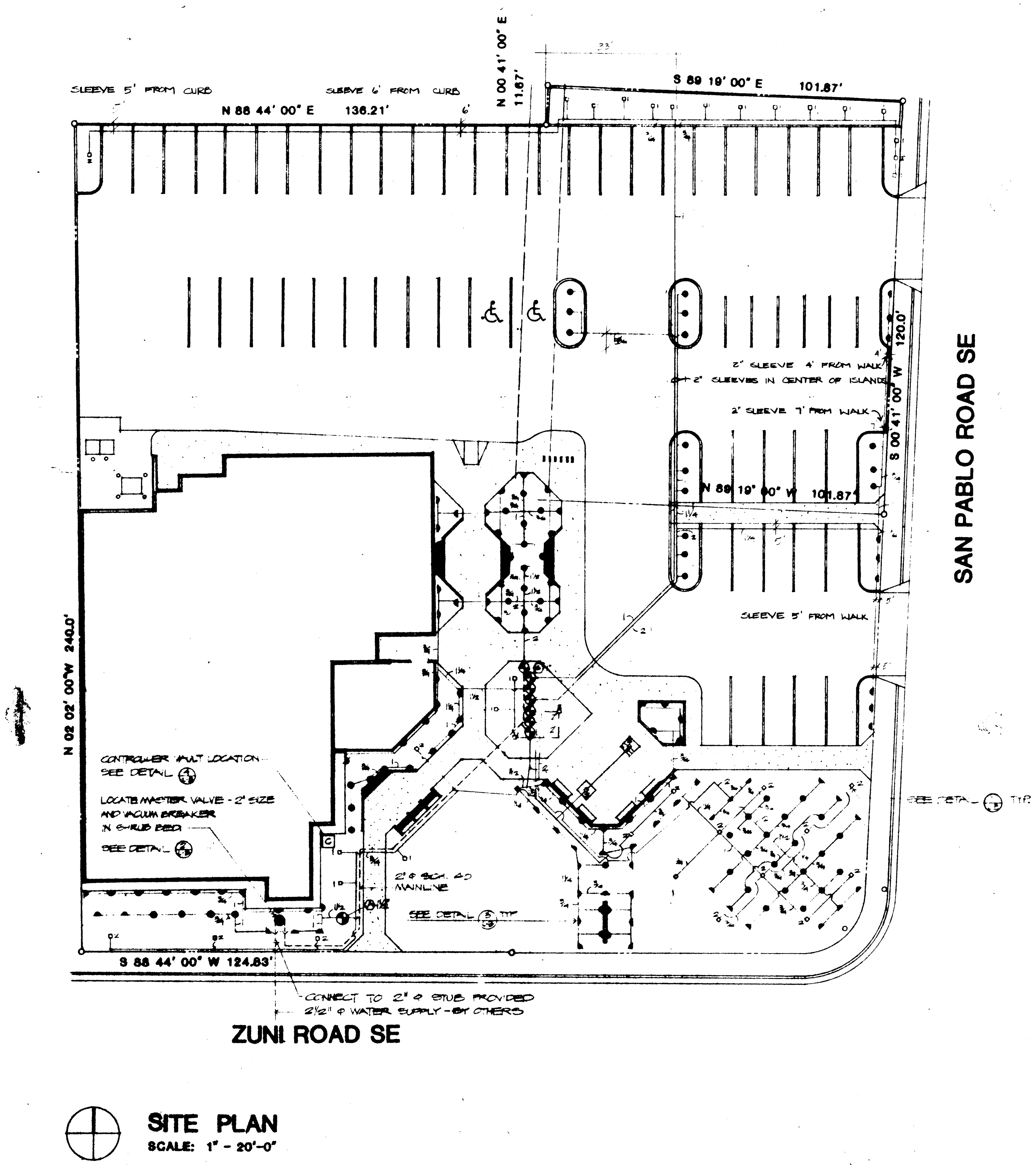
STATE OF NEW MEXICO
RONALD L. PETERS
NO. 788
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '88

L2
SHEET 6 OF 36

Craig Campbell + Associates
LANDSCAPE ARCHITECTS SITE PLANNERS



SITE PLAN
SCALE: 1" - 20'-0"

● ▲ ◗	"WEATHERMATIC" JET IRRIGATOR #104. FULL HALF & QUARTER HEADS IN "SAFE-T-LAWN" 3810 2" POP-UP BODY. ADJUST TO 18 PSI.
▫	"WEATHERMATIC" BUBBLER HEAD #103. SET FOR 1 OR 2 GPM AS DESIGNATED ON PLAN
◕	"WEATHERMATIC" 11024 SERIES REMOTE CONTROL VALVE. SIZE AS NOTED ON PLAN. Ⓐ VALVE REFERENCE LABEL
⊡	"RAINBIRD" RC-1260 ELECTROMECHANICAL CONTROLLER. LOCATE IN VAULT
———	LATERAL LINE PVC CLASS 200
– – – –	MAIN LINE PVC 2" SCHEDULE 40
	SLEEVE PVC CLASS 200 SIZE 1" DIA LARGER THAN PIPE. SLEEVE UNDER ALL CONCRETE
◐	"RAINBIRD" AVB-200 2" ATMOSPHERIC VACUUM BREAKER. BACKFLOW PREVENTER. SEE DETAIL 2/L2

NOTE:
PROVIDE SLEEVES FOR ALL IRRIGATION LINES UNDER ALL PAVED SURFACES.

LASON 1-505-344-9404
BEST COPY AVAILABLE

AS BUILT JUNE 1, 1984
IRRIGATION PLAN

Craig Campbell Associates
landscape architecture
site planning
418 Central Avenue SE
Albuquerque, NM 87102
(505) 242-9928

NOTES

2615890784

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84
Charlie Otero

REVISIONS

ENGINEER

RONALD L. PETERS NO. 780
ARCHITECT

THE EAST · CENTRAL MULTI · SERVICE CENTER

PROJECT NO. 8205
DATE SEPT. 85

L2.1
SHEET OF

STRUCTURAL DESIGN CRITERIA

BUILDING CODE: Uniform Building Code, 1982 edition

VERTICAL DESIGN LOADS

Location	Dead	Live
Roof	30 psf	20 psf
(See ROOF FRAMING PLAN for weights of roof-top mechanical units)		
Floor on grade	—	200 psf

SEISMIC DESIGN FACTORS

Zone Factor (zone 2)	Z = 0.375
Structural System Factor	K = 1.33
Importance Factor	I = 1.00
Combined Building Period and Soil-Structure Interaction Factor	CS = 0.14

WIND DESIGN CRITERIA

Wind Speed Region	70 mph
Exposure C	
Stagnation Pressure (q_s) at 30 feet above grade	13 psf
Height zone	0 - 20 feet
Importance Factor	I = 1.00
Combined Height, Exposure and Gust Factor	C_e = 1.2
Analysis Method 1 (normal force method)	
Pressure Coefficients (C_q)	
Primary Framing System	
Windward Wall	0.8 inward
Leeward Wall	0.5 outward
Roof	0.7 upward
Building Elements and Components	
Walls (except as listed below)	1.2 inward, 1.1 outward
Parapets	1.3 inward or outward
Roof (except as listed below)	1.1 upward
Local areas at discontinuities	
Wall corners	2.0 outward
Roof edges at building corners	3.0 upward
Roof edges except at corners	2.0 upward

DESIGN SOIL BEARING PRESSURES

Normal Loading (dead plus 50% roof live loads)	2000 psf
Combined Vertical and Lateral (wind, seismic) Loading	2500 psf
Lateral Pressures	
Active	35 psf/foot
Passive	350 psf/foot
Coefficient of friction between bottom of footing and ground	0.40

GENERAL NOTES - EARTHWORK

1. GENERAL. Footings are to be placed on natural soil which has been prepared and compacted as noted below and as specified. Because of site topography, footing steps are required. See FOUNDATION PLAN for locations of steps and Section 7/S-3 for construction. Interior slabs on grade are to be placed on compacted fill/backfill on prepared subgrade. At Contractor's option, a 4 inch granular drainage fill may be used directly under the slab as a working base. If drainage fill is used, all specification requirements shall be met.

2. SITE CLEARING. All vegetation and other organic matter, existing construction and man-made fill, and any other unsuitable material shall be removed from the site and properly disposed of.

3. EXCAVATION AND PROTECTION OF EXCAVATIONS. Excavate as necessary to remove loose surface material but to a depth of not less than 18 inches or as required to permit the placing of footings at the depths indicated. Excavation for wall footings shall be not less than 10 feet wide centered on the footing. Excavation for spot footings shall be not less than 12 feet square centered on the footing. After excavations are complete, notify the Architect and obtain his approval of the work before proceeding. Provide positive surface drainage away from excavations and promptly remove any water which may enter the excavations.

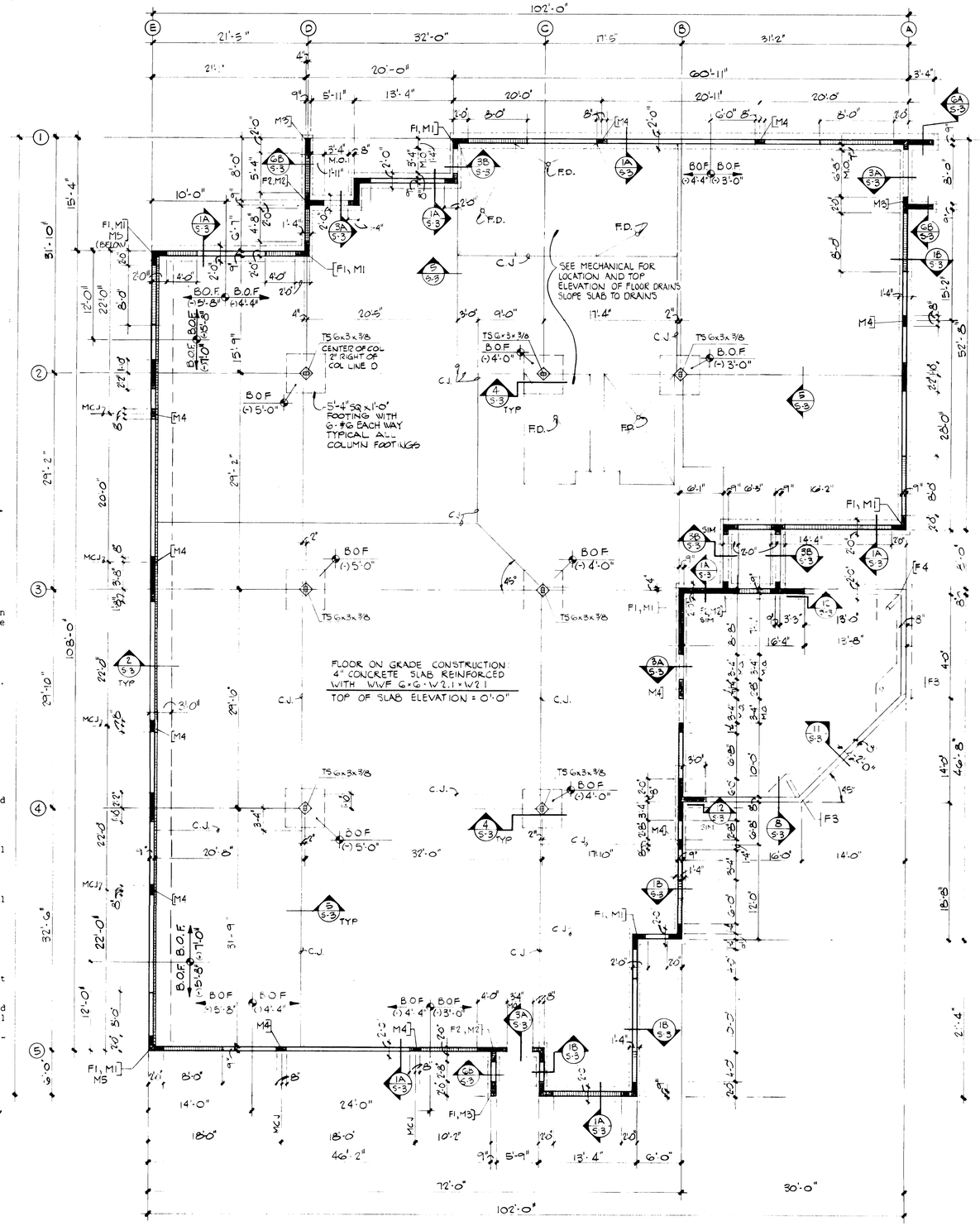
4. PREPARATION OF SUBGRADE. After excavation is complete and approved , scarify the top 12 inches of the subgrade, moisten or dry as required to achieve optimum moisture content and compact to not less than 95% of nominal maximum density. See note 7 below.

5. FILL. All fill material shall be clean, free of organic or frozen matter, and any other unsuitable material, and is to be approved by the Architect before use. No rocks or clods larger than 6 inches in any dimension shall be used nor any material larger than 3 inches within 12 inches of finish grade or the bottoms of footings. General fill shall be a non-expansive material with a plasticity index not exceeding 15. Clean site material may be used as general fill if all requirements are met.

6. BACKFILL. Backfill shall be placed as soon as possible after footings have been constructed and walls brought up to grade but not without the prior approval of the Architect. Where backfill is required on both sides of a wall it shall be brought up symmetrically. Material for backfill shall meet the same requirements as for fill at the same elevation.

7. PLACING AND COMPACTION OF FILL AND BACKFILL. Fill and backfill shall be placed in layers of approximately uniform thickness not to exceed 8 inches before compaction. Fill beneath the elevations of bottoms of the footings or turned down slab edges shall be compacted to not less than 95% of nominal maximum density. Other fill, interior backfill and exterior backfill adjacent to the buildings shall be compacted to not less than 90% of nominal maximum density. All compaction shall be performed when the material to be compacted is at optimum moisture content (+/- 2 percentage points). Water shall be added to the soil to be compacted away from the building site before placement. All compaction shall be performed using appropriate mechanized equipment as necessary to achieve the specified density levels without damage to existing construction or other property. Ponding, jetting and similar methods of compaction shall not be used.

8. QUALITY CONTROL. Nominal maximum densities and optimum moisture contents shall be determined in accordance with ASTM D1557. Density of in-place material shall be determined in accordance with ASTM D1556 or D2922. Gradation of materials shall be determined in accordance with ASTM D422. Liquid limits, plastic limits and plasticity indices shall be determined in accordance with ASTM D423 and D424.



FOUNDATION PLAN (BASE BID)

1/8" = 1'-0"

STRUCTURAL MATERIALS

CONCRETE

Compressive strength (standard cylinder strength at 28 days)

Footings: f'c = 3000 psi
Interior slabs on grade: f'c = 4000 psi
Exterior work: f'c = 3500 psi

Cement: ASTM C150, type I/II
Aggregates: ASTM C33
Admixtures: As specified
Nominal unit weight: 145 pcf

CONCRETE MASONRY UNITS: See Architectural drawings and specifications for required finishes.

Hollow units: ASTM C90, grade N-I, f'm = 1350 psi

Solid units: ASTM C145, grade N-I, f'm = 1080 psi

MASONRY MORTAR AND GROUT

Mortar: ASTM C476, type PL, f'm = 2500 psi
Grout: ASTM 476, f'm = 2000 psi

REINFORCING STEEL

Bars: ASTM A615, grade 60, deformed
Welded wire fabric: ASTM A185
Masonry joint reinforcing: Standard truss type with #9 deformed side and truss wires; wire to conform to ASTM A82

STRUCTURAL AND MISCELLANEOUS STEEL

Structural tubing: ASTM A500, grade B, fy = 46,000 psi
Pipe: ASTM A53, type E or S, grade B, standard weight as otherwise shown, fy = 35,000 psi
Other: ASTM A36, fy = 36,000 psi

STEEL JOISTS

SJI/AISC H Series

STEEL ROOF DECK

1-1/2" deep x 20 gage wide rib (type B), primer painted, I = 0.208 in4/ft (minimum), S = 0.233 in4/ft (minimum)

BOLTS

Steel-to-steel connections: ASTM A325 direct tension-indicating bolts with lengths as required to exclude threads from shear planes
Other: ASTM A307, grade A, hexagonal nuts and bolt heads

LIGHT-GAGE STEEL FRAMING (Cold-Formed)

16 gage and heavier: ASTM A570 (modified) or ASTM A607, fy = 50,000 psi
18 gage and lighter: ASTM A611, fy = 33,000 psi

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 (505) 265-3645

GENERAL NOTES - FOUNDATION PLAN

1. Local datum for all elevations is top of interior slab on grade = reference elevation 0'-0". See site plan for true elevation of datum.

2. Footings are to be placed on compacted subgrade at the elevation shown on the FOUNDATION PLAN. See EARTHWORK NOTES this sheet and specifications for requirements for earthwork.

3. Granular drainage fill under slabs on grade may be used at the Contractor's option. If used, such fill shall meet the requirements given in the EARTHWORK NOTES and the project specifications.

4. Details of construction of footing corners and intersections are indicated by F1 through F4. Details of construction of masonry walls are indicated by M1 through M4. Details are drawn on Sheet S-2.

5. Floor on grade shall be a 4 inch thick concrete slab reinforced with WWF 6x6-W2.1xW2.1.

6. Slope slabs as indicated to floor drains. See mechanical drawings for exact locations of drains and for elevations of tops of drains.

7. Shading indicates cmu walls which are to be reinforced in all cells with #5 vertical. Cross lining indicates cmu walls which are to be reinforced with #5 vertical @ 16" o/c. Other cmu walls are to be reinforced with #5 vertical @ 32" o/c. See notes and details on Sheet S-2 for other requirements for masonry construction.

26 1589 0884

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

Charles Bacchus
ENGINEER

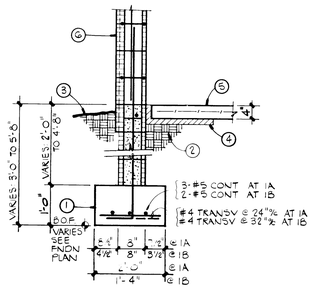
STATE OF NEW MEXICO
RONALD L. PETERS NO. 765
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8200
DATE MAY '83

S1

SHEET 8 OF 26



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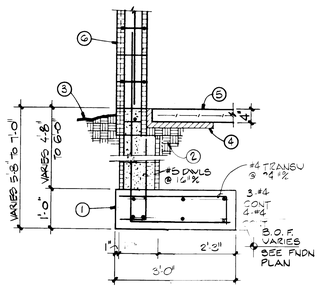

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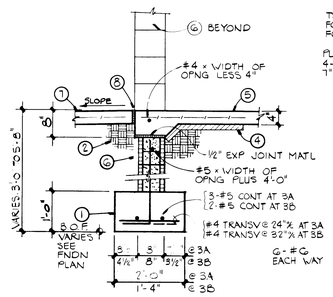

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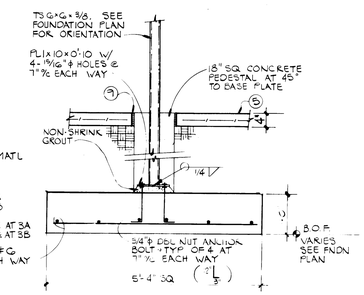

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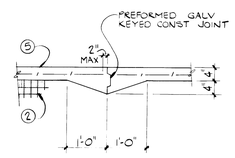

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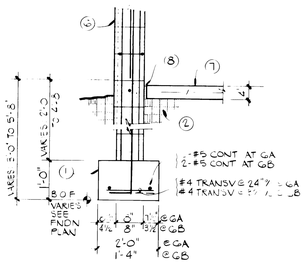

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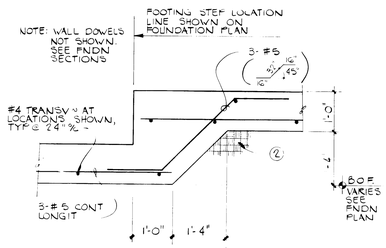
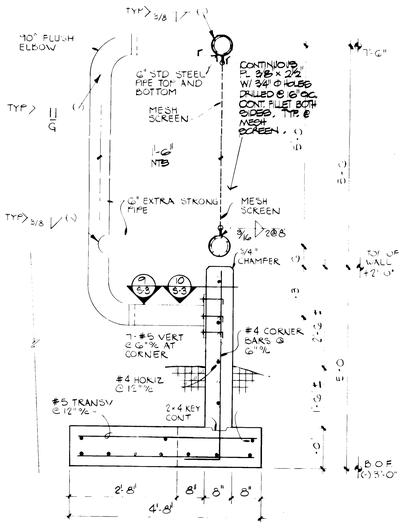


SECTION 7
(TYPICAL FOOTING STEP)



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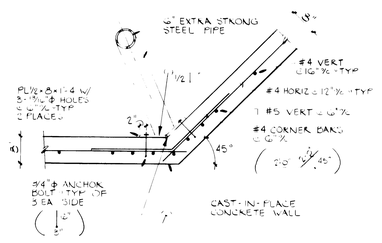

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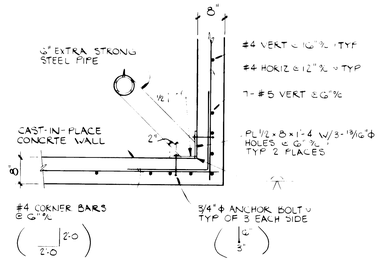

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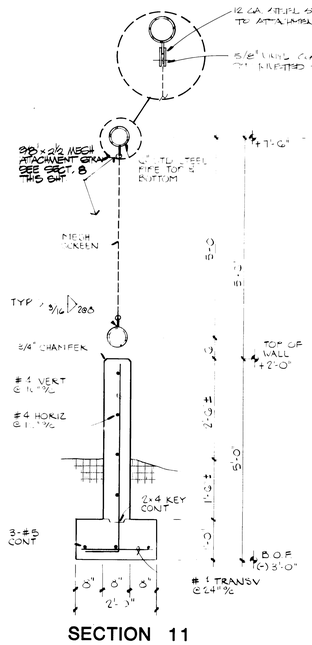

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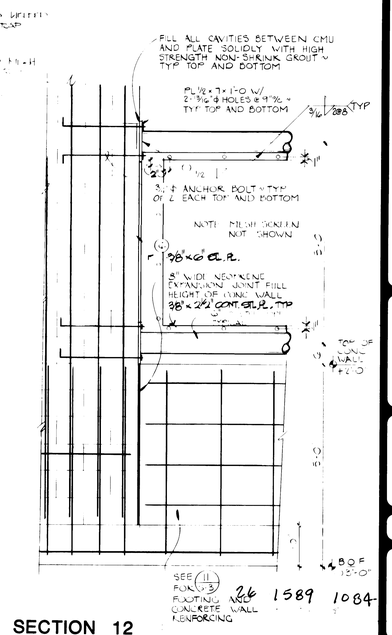


SECTION 12

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

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 (505) 265-3645

KEYED NOTES – FOUNDATION SECTIONS

1. Continuous concrete footing reinforced as shown. See also notes and details on Sheet S-2.
2. Compacted fill/backfill. See notes on Sheet S-1 and specifications for requirements.
3. Exterior backfill. See site plan for finish grade.
4. Subgrade rigid perimeter insulation, R=5 (minimum).
5. 4" thick concrete slab on grade reinforced with WWF 6x6-W2.1xW2.1.
6. Concrete masonry wall. See notes and details on Sheet S-2 for reinforcing. See building elevation for type of unit required.
7. 4" concrete sidewalk reinforcing with WWF 6x6-W1.4xW1.4.
8. 1/2" expansion joint.
9. 30# felt isolation joint.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

Charles Bacchus
ENGINEER

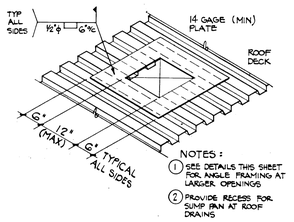
STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205 DATE MAY 83

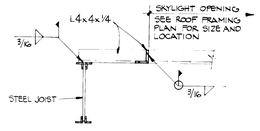
S3
SHEET 10 OF 36

246 1589 1084



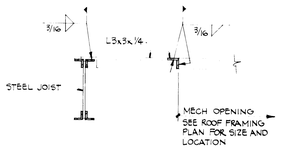
REINFORCING DETAIL – SMALL OPENINGS IN ROOF DECK

NO SCALE



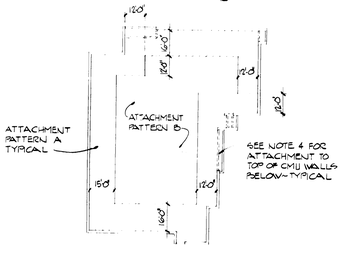
TYPICAL SKYLIGHT OPENING

SECTION 1



TYPICAL MECHANICAL OPENING

SECTION 2



KEY PLAN – ROOF DECK ATTACHMENT

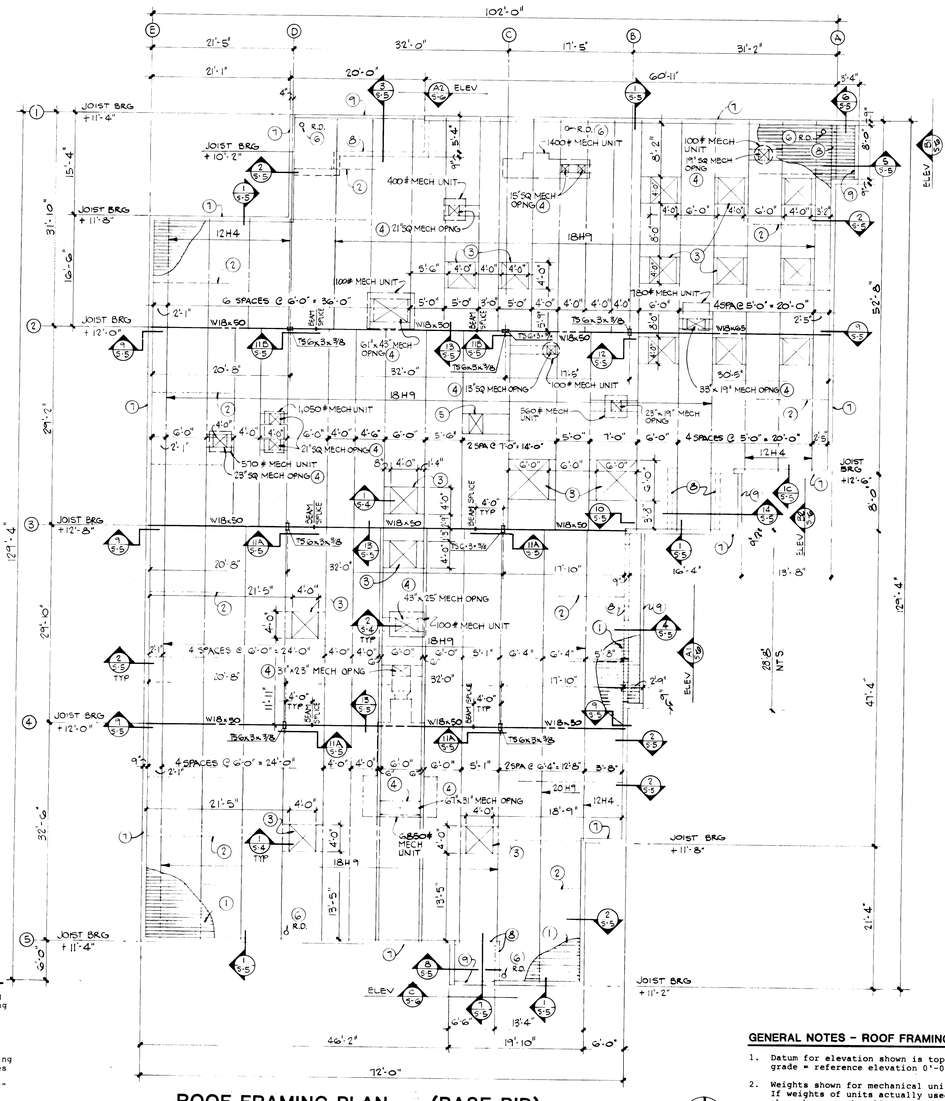
NOTES – ATTACHMENT OF ROOF DECK

1. GENERAL. Roof deck shall be attached to the supporting framework using 1/2" ø (minimum) puddle welds, spaced as noted below. Standard welding washers are required. Deck units shall be attached to each other by button punching at intervals noted below.

2. ATTACHMENT PATTERN "A".
   a. Deck units to supporting members: Weld at all deck valleys including valleys at side laps; weld at 18" o/c maximum along perimeter angles parallel to span of units.
   b. Deck units to each other: Button punch over each support and at 12" o/c maximum between supports.

3. ATTACHMENT PATTERN "B".
   a. Deck units to supporting members: Weld at side valleys between units and at alternate valleys between; weld all valleys at end laps between units.
   b. Deck units to each other: Button punch over each support and, at 24" o/c maximum between supports.

4. DECK TO CMU WALLS. Connect using 3/8" ø x 4" drilled anchors at each side valley between deck units and at alternate valleys between (12" o/c maximum).



ROOF FRAMING PLAN (BASE BID)

1/8" = 1'-0"

GENERAL NOTES – ROOF FRAMING PLAN

1. Datum for elevation shown is top of interior slab on grade = reference elevation 0'-0".
2. Weights shown for mechanical units are design weights. If weights of units actually used exceed weights shown by more than 10% or 100 lbs whichever is greater, inform Architect and obtain his instructions before installing the overweight unit(s).
3. See Sheet S-7 for framing if alternate bid is accepted.

26 1589 1184

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6100 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505-265-3645

KEYED NOTES – ROOF FRAMING PLAN

1. 20 gage type B steel roof deck. See notes and detail this sheet for connections. See typical detail this sheet for reinforcing around small openings in deck.
2. 1-1/4x1-1/4x1/8 continuous angle horizontal joist bridging at top and bottom chords. Number and approximate location of rows as shown. See roof framing sections on Sheet S-5 for attachment to joists and walls.
3. 4'-0" square (nominal), except as shown otherwise, rough opening for skylight. Verify exact size of opening with skylight details. See section 1 this Sheet for framing around opening.
4. Mechanical opening, size as indicated to be verified with mechanical contractor. See section 2 this sheet for framing around opening.
5. Opening for 2'-0"x3'-0" roof hatch. Verify exact size with hatch detail. See section 1 this Sheet for framing.
6. Roof drain. See typical detail this sheet for required reinforcing at opening. Verify details with mechanical drawings.
7. Concrete masonry wall. See notes and details on S-2 and FOUNDATION PLAN, Sheet S-1 for reinforcing. See building elevations for type of units required.
8. Concrete masonry wall below with top elevation as shown on framing sections. See also note 7 above.
9. Light gage steel framed fascia. See Sheet S-6 for notes and details of construction.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

Charles Bacchus
ENGINEER

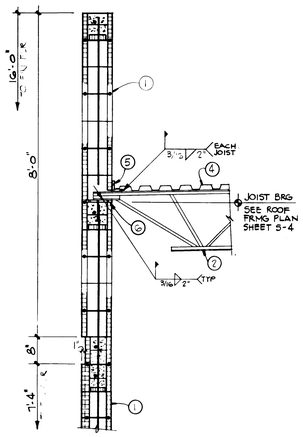
STATE OF NEW MEXICO RONALD L. PETERS NO. 758 REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205 DATE MAY '83

S4

SHEET 11 OF 86



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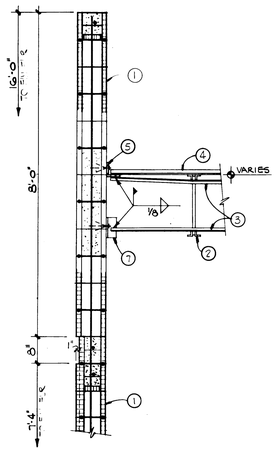

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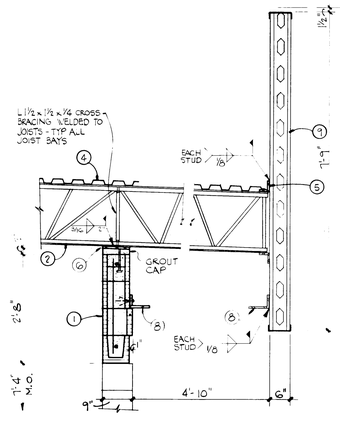

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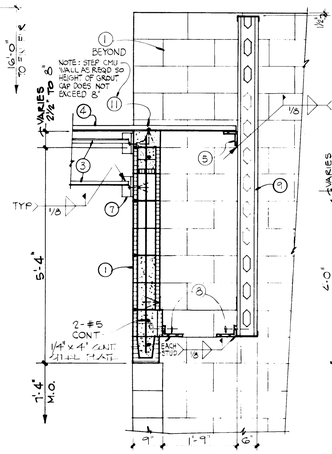

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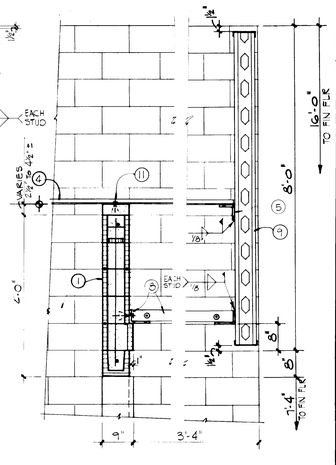

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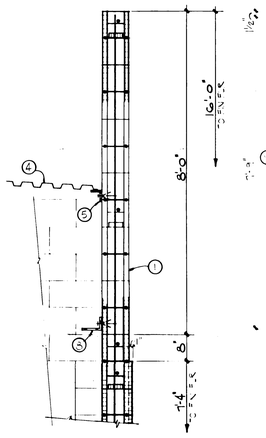

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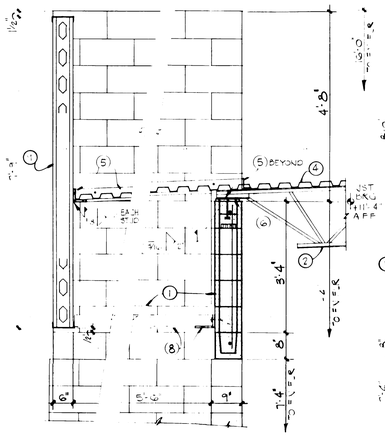

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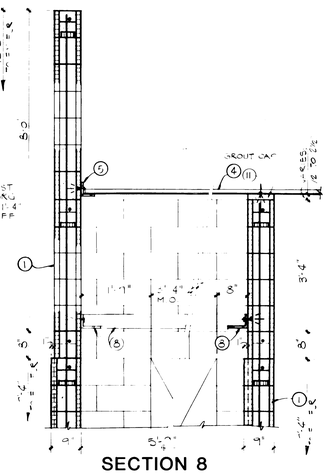

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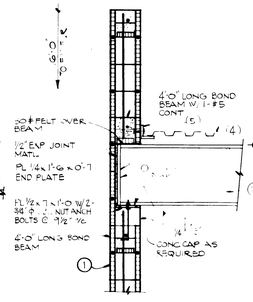

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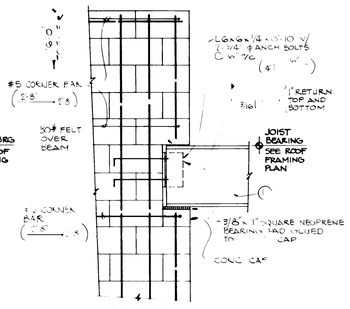

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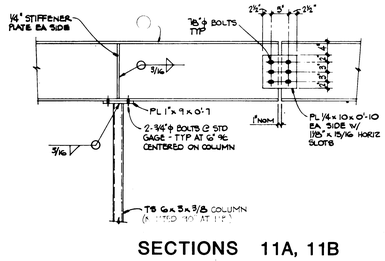

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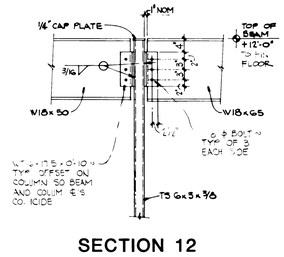

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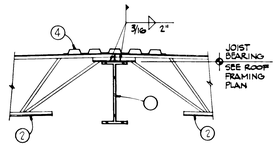

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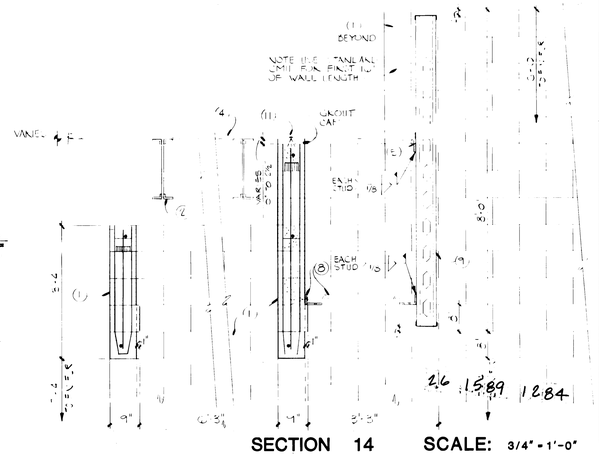


SECTION 14

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

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8500 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 (505) 265-3645

KEYED NOTES ROOF FRAMING SECTIONS

1. Concrete masonry wall. See notes and details on Sheet S-2 for reinforcing. See building elevations for type of unit required.
2. H series open web steel joists. See ROOF FRAMING PLAN, Sheet S-4, for size, spacing and length.
3. Joist bridging. See ROOF FRAMING PLAN, Sheet S-4, for number and location of rows.
4. Steel roof deck. See Sheet S-4 for connection to supporting members.
5. Continuous 4x4x1/4 steel perimeter angle. Connect to steel members as indicated; connect to cmu walls with 1/2"ø x 6" drilled expansion anchors @ 32" o/c.
6. 3/8x7x1'-0 steel bearing plate with 2-1/2"ø x 6" drilled expansion anchors @ 32"o/c.
7. 3x3x1/4x0'-6" angle with 3/8"ø x 4" drilled expansion anchor - typical at each line of joist bridging.
8. 6x3-1/2x3/8 steel soffit support angle. Connect to steel framing as indicated. Connect to cmu walls with 1/2"ø x6" drilled expansion anchors @ 24" o/c.
9. Light gage structural steel framing. See sheet S-6 for notes and details of construction.
10. Steel beam. See ROOF FRAMING PLAN, Sheet S-4, for size.
11. 3/8"ø x 4" drilled expansion anchor - typical at each side lap valley between units and at alternate valleys (12" o/c maximum) between.

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

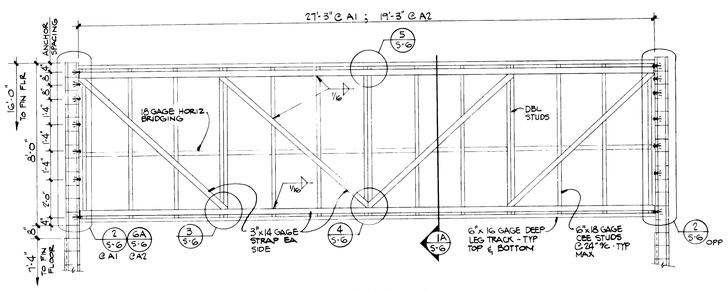
Charles Bacchus
ENGINEER

STATE OF NEW MEXICO · RONALD L. PETERS NO. 788 · REGISTERED ARCHITECT
ARCHITECT

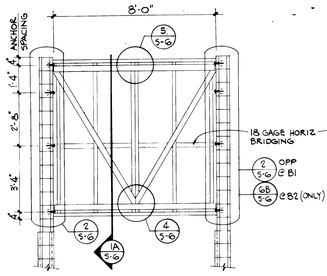
THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8105 DATE MAY '83

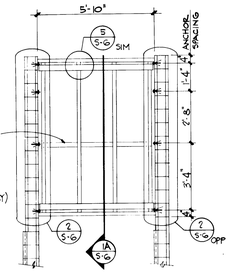
S5
SHEET 12 OF 36



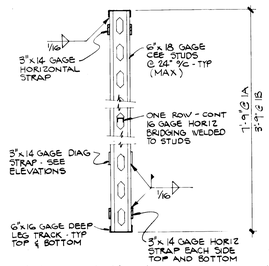
ELEVATION A1 / A2



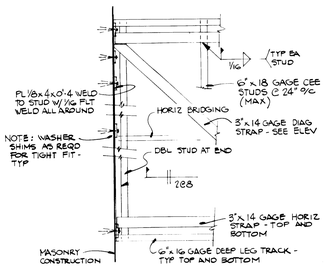
ELEVATION B1 / B2



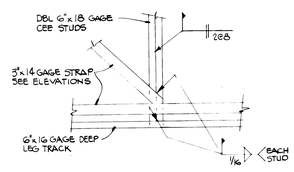
ELEVATION C



SECTIONS 1A,1B



DETAIL 2



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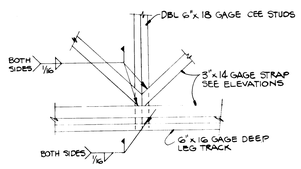

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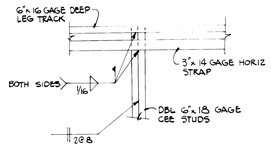
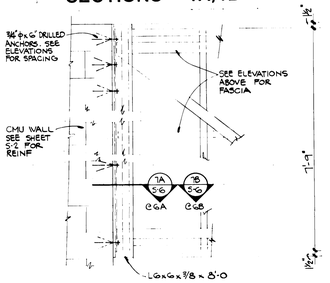
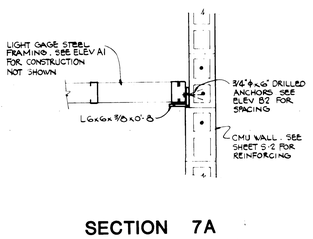


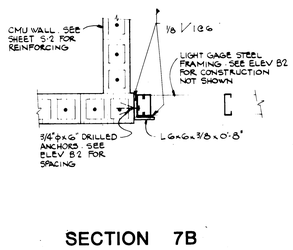
DETAIL 5



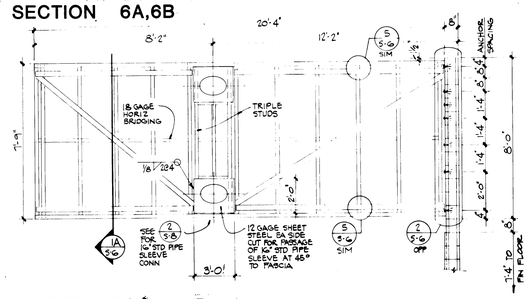
SECTION 6A,6B



SECTION 7A

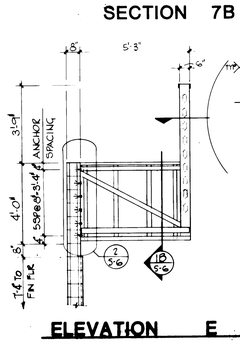


SECTION 7B



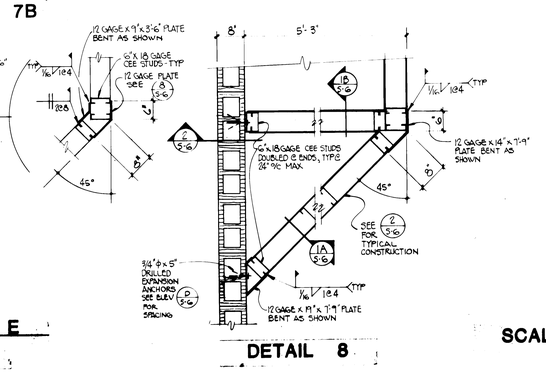
ELEVATION D

(ALTERNATE BID)



ELEVATION E

(ALTERNATE BID)



DETAIL 8

26 1589 1384

SCALE: ELEVATIONS 3/8" = 1'-0"
SECTIONS / DETAILS 3/4" = 1'-0"

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

GENERAL NOTES - LIGHT GAGE STEEL FRAMING

1. Member Properites. Except as specifically shown otherwise, light gage steel framing members shall have the following minimum member section properties. See STRUCTURAL MATERIALS, Sheet S-1, for required section properties.
   a) 6" cee studs: Punched or unpunched; 16 gage; 1-5/8" flanges; 1/2" flange returns; A = 0.36 in2; Ix = 1.15 in4.
   b) 6" tracks: Unpunched; 16 gage; 1-5/16" flanges; A = 0.51 in2; Ix = 2.46 in4
2. Connections. All connections, except as specifically shown otherwise, shall be welded. Welders shall be performed by welders currently certified and using welding processes approved by the American Welding Society (AWS) and the American Iron and Steel Institute (AISI).

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

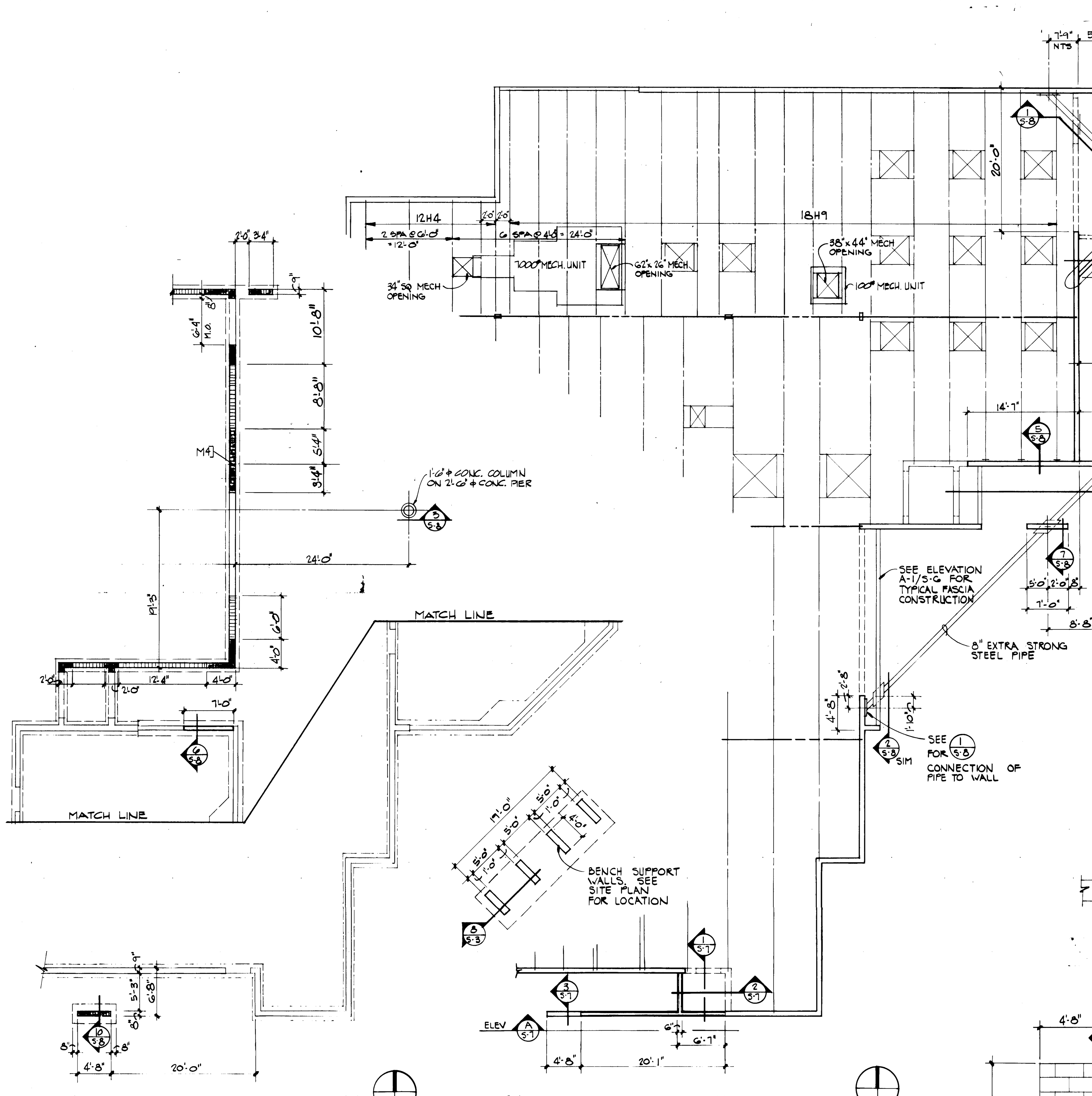
Charles Bacchus
ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS NO. 755
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

S6
SHEET 13 OF 36



PARTIAL FOUNDATION PLAN (ALTERNATE BID)

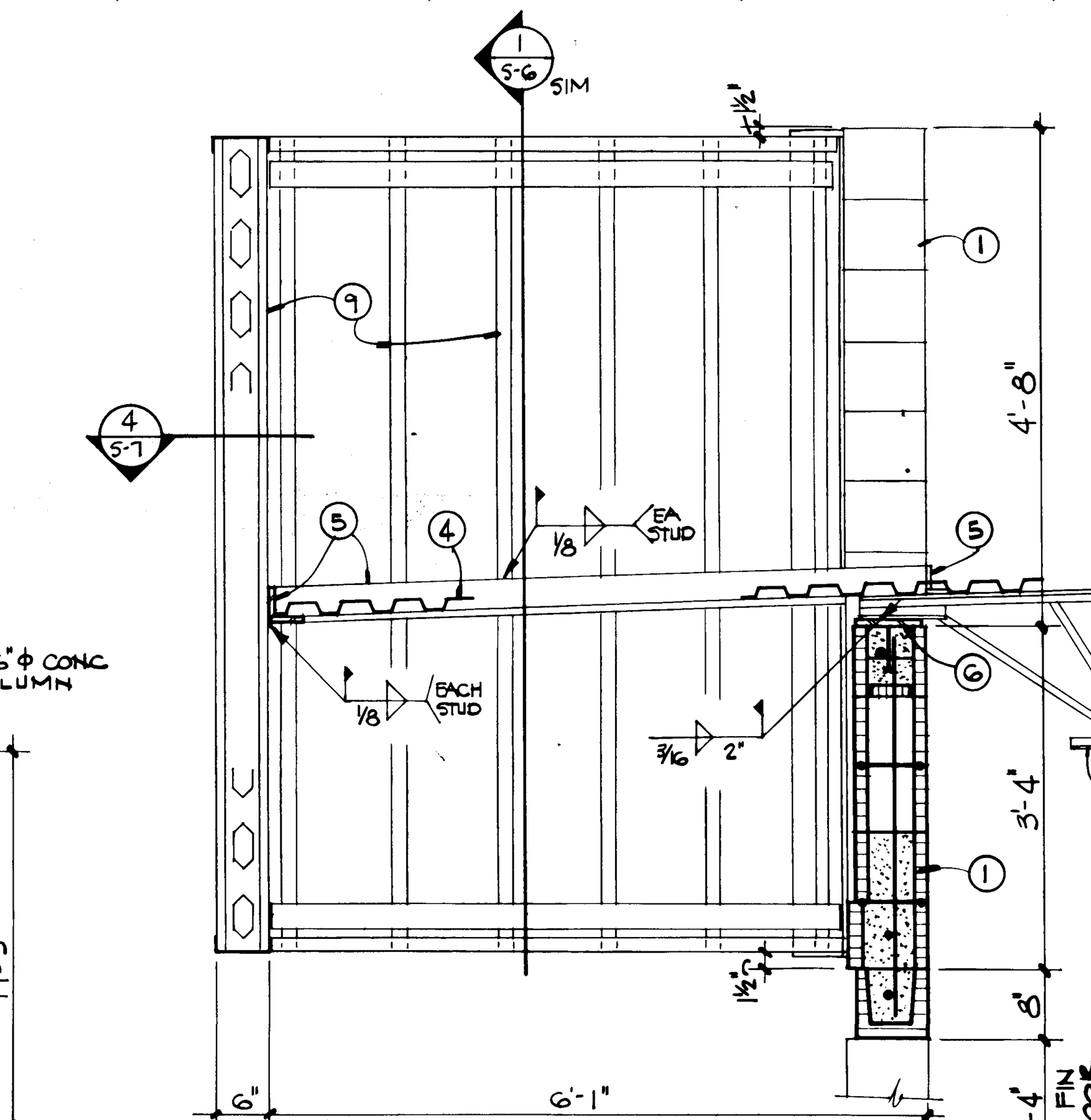
1/8" = 1'-0"

PARTIAL ROOF FRAMING PLAN (ALTERNATE BID)

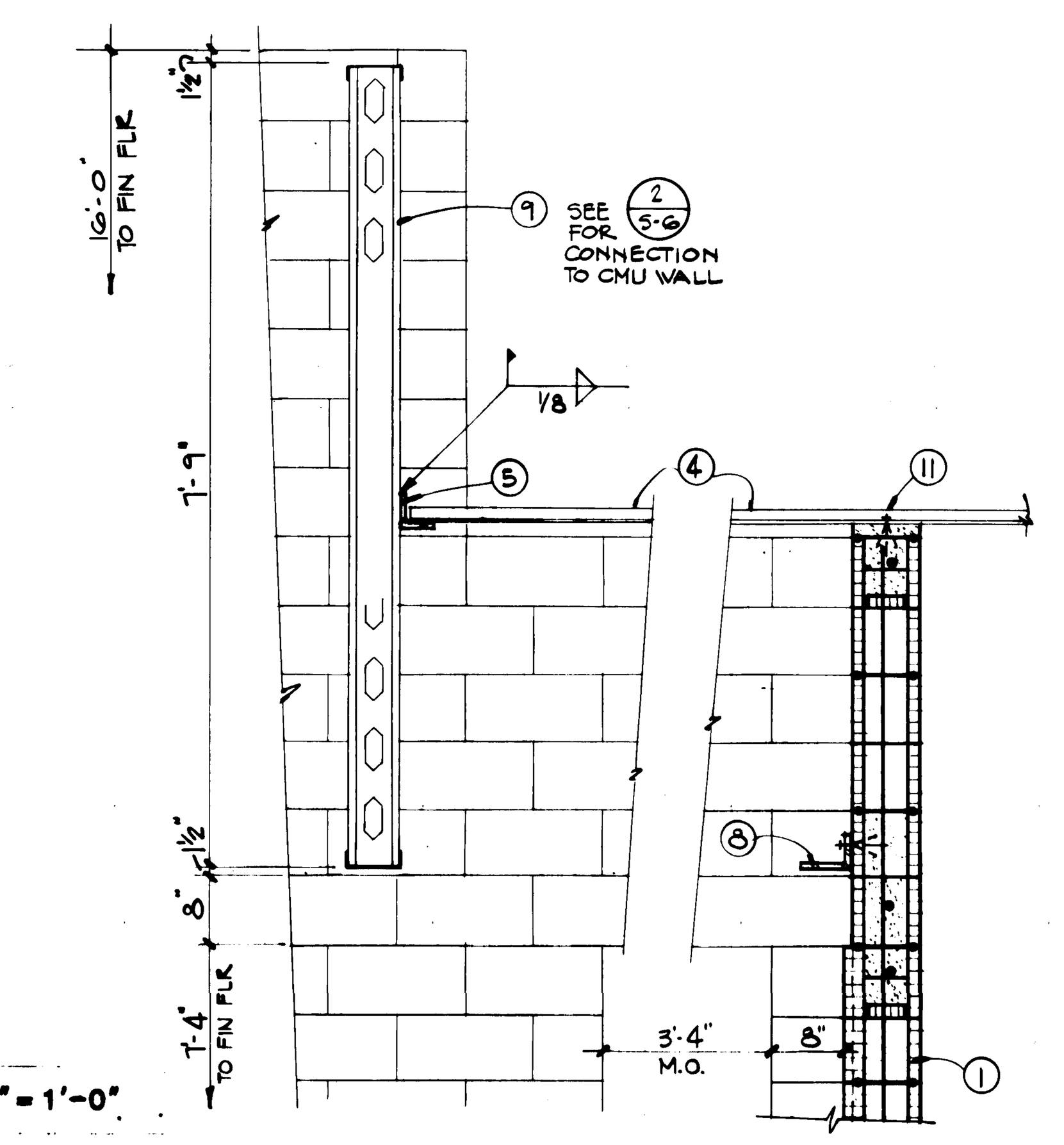
1/8" = 1'-0"

GENERAL NOTE: ALTERNATE BID FOUNDATION AND ROOF FRAMING PLANS

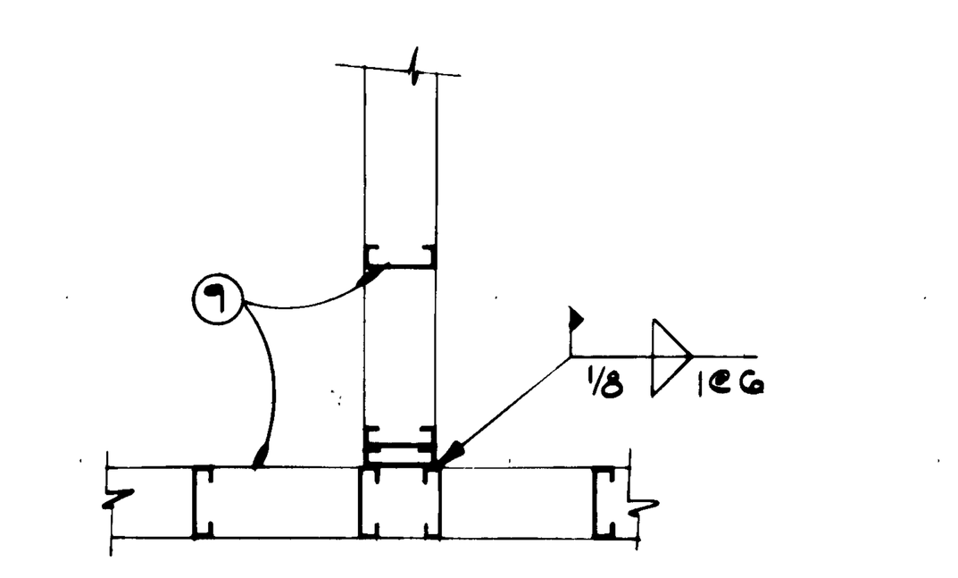
Except as otherwise shown, construction shall be as shown on base bid FOUNDATION and ROOF FRAMING PLANS, Sheets S-1 and S-4, respectively.



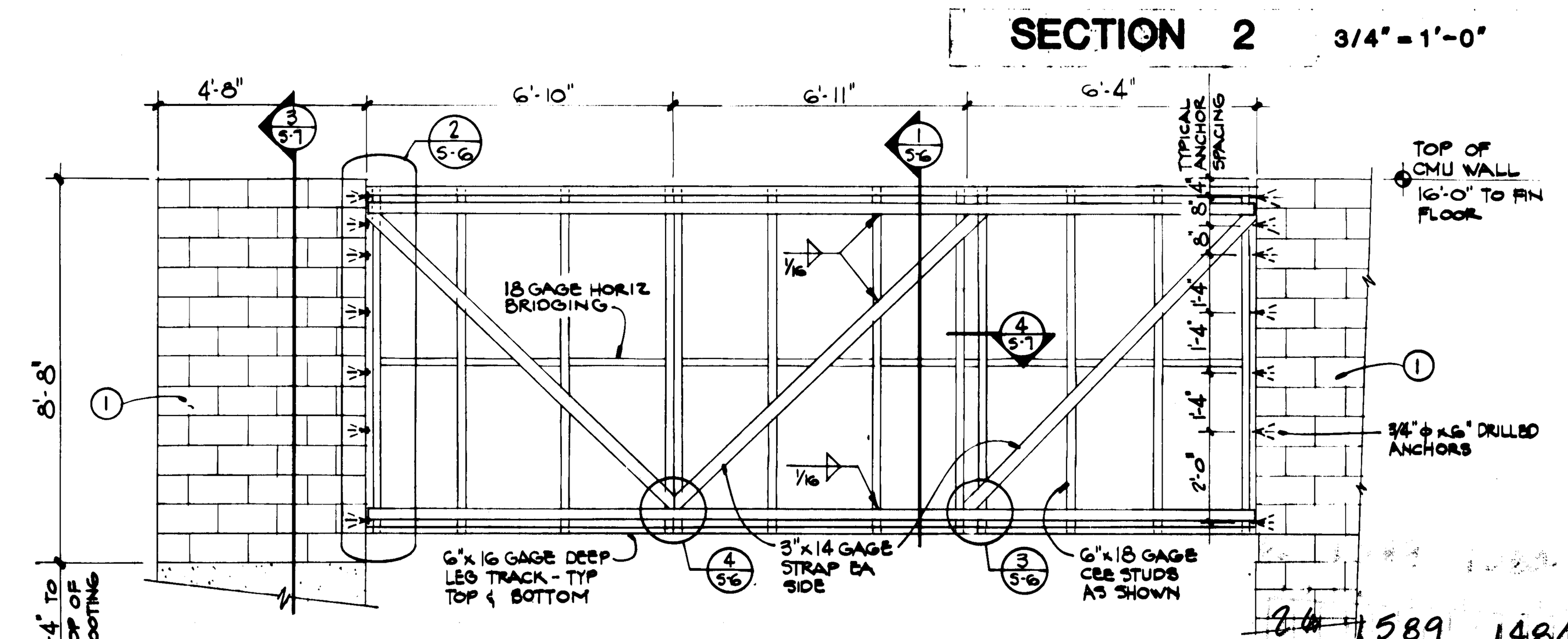
SECTION 1 3/4" = 1'-0"



SECTION 2 3/4" = 1'-0"



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



[redacted] 3/8" = 1'-0"

SCALE

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

KEYED NOTES ALTERNATE BID SECTIONS

1. Concrete masonry wall. See notes and details on Sheet S-2 for reinforcing. See building elevations for type of unit required.
2. H series open web steel joists. See ROOF FRAMING PLAN, Sheet S-4, for size, spacing and length.
3. Not used.
4. Steel roof deck. See Sheet S-4 for connection to supporting members.
5. Continuous 4x4x1/4 steel perimeter angle. Connect to steel members as indicated; connect to cmu walls with 1/2"Ø x 6" drilled expansion anchors @ 32" o/c.
6. 3/8x7x1'-0 steel bearing plate with 2-1/2"Ø x 6" drilled expansion anchors @ 32" o/c.
7. Not used.
8. 6x3-1/2x3/8 steel soffit support angle. Connect to steel framing as indicated. Connect to cmu walls with 1/2"Øx6" drilled expansion anchors @ 24" o/c.
9. Light gage structural steel framing. See sheet S-6 for notes and details of construction.
10. Not used.
11. 3/8"Ø x 4" drilled expansion anchor - typical at each side lap valley between units and at alternate valleys (12" o/c maximum) between.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

RONALD L. PETERS NO. 799
STATE OF NEW MEXICO
REGISTERED ARCHITECT

ARCHITECT

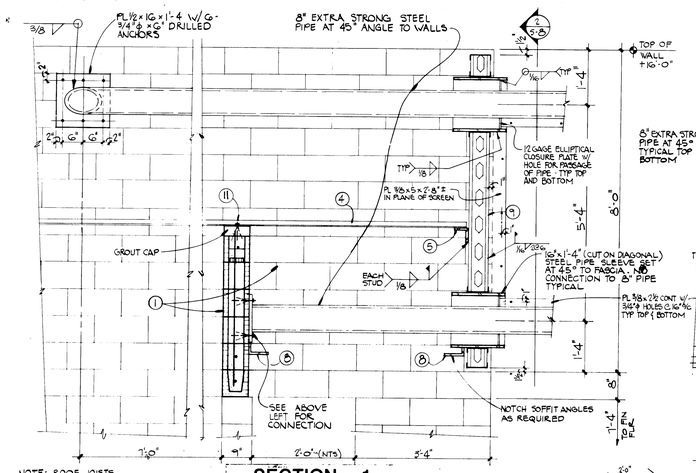
THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8208
DATE MAY '83

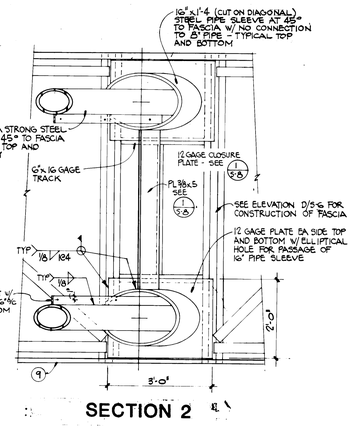
S7

SHEET 14 OF 56

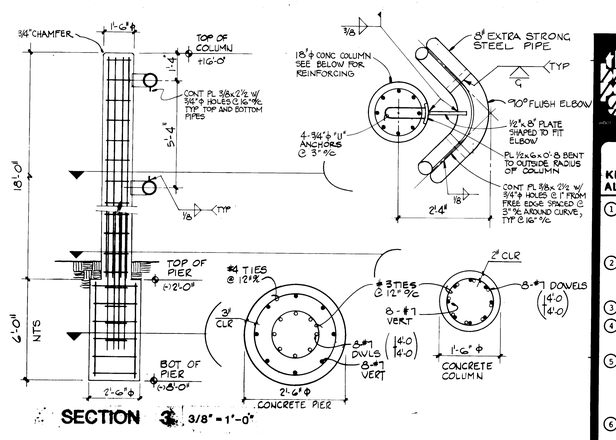
24 1589 1484



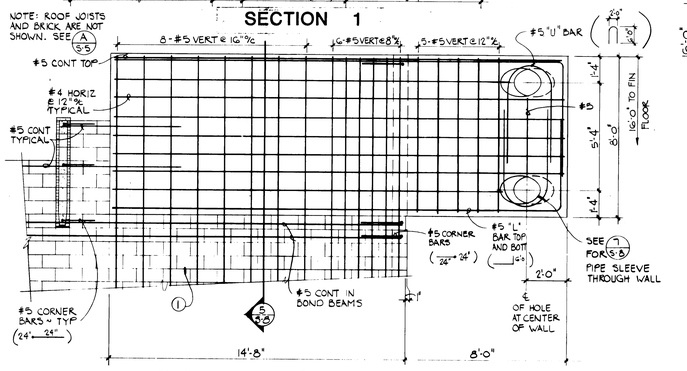
SECTION 1



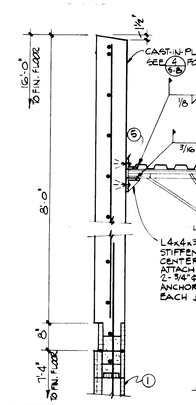
SECTION 2



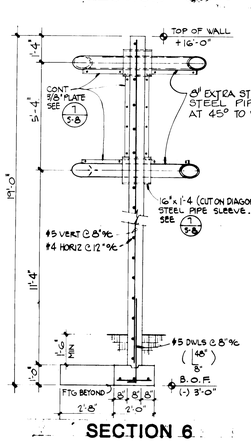
SECTION 3 3/8" = 1'-0"



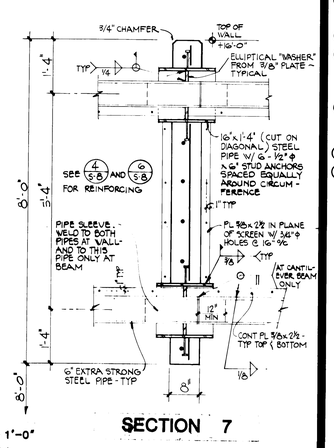
SECTION 4 3/8" = 1'-0"



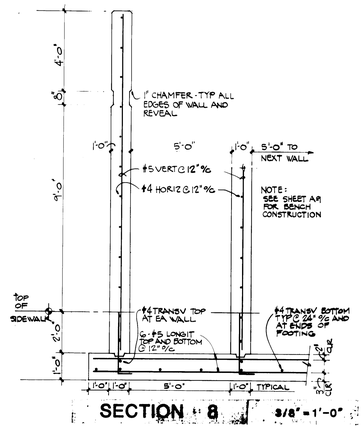
SECTION 5



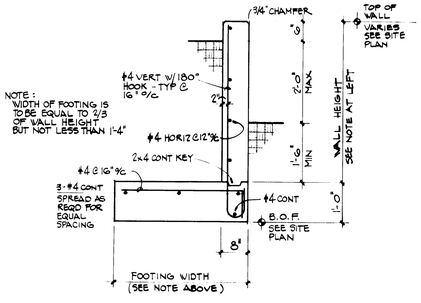
SECTION 6 3/8" = 1'-0"



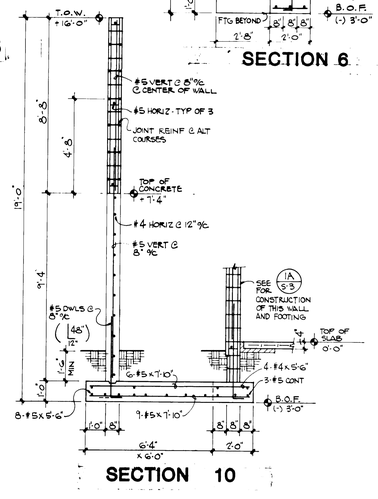
SECTION 7



SECTION 8 3/8" = 1'-0"



SECTION 9



SECTION 10

26 1589 1584

SCALE: 3/4" = 1'-0"
UNLESS OTHERWISE NOTED

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

KEYED NOTES
ALTERNATE BID SECTIONS

1. Concrete masonry wall. See notes and details on Sheet S-2 for reinforcing. See building elevations for type of unit required.
2. H series open web steel joists. See ROOF FRAMING PLAN, Sheet S-4, for size, spacing and length.
3. Not used.
4. Steel roof deck. See Sheet S-4 for connection to supporting members.
5. Continuous 4x4x1/4 steel perimeter angle. Connect to steel members as indicated; connect to cmu walls with 1/2"ø x 6" drilled expansion anchors @ 32" o/c.
6. 3/8x7x1'-0 steel bearing plate with 2-1/2"ø x 6" drilled expansion anchors @ 32" o/c.
7. Not used.
8. 6x3-1/2x3/8 steel soffit support angle. Connect to steel framing as indicated. Connect to cmu walls with 1/2"ø x6" drilled expansion anchors @ 24" o/c.
9. Light gage structural steel framing. See sheet S-6 for notes and details of construction.
10. Not used.
11. 3/8"ø x 4" drilled expansion anchor - typical at each side lap valley between units and at alternate valleys (12" o/c maximum) between.

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

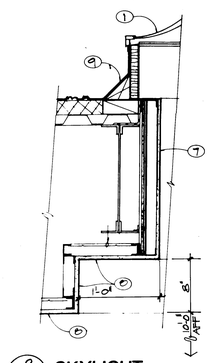
ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 735
REGISTERED ARCHITECT
ARCHITECT

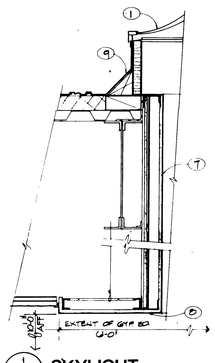
THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

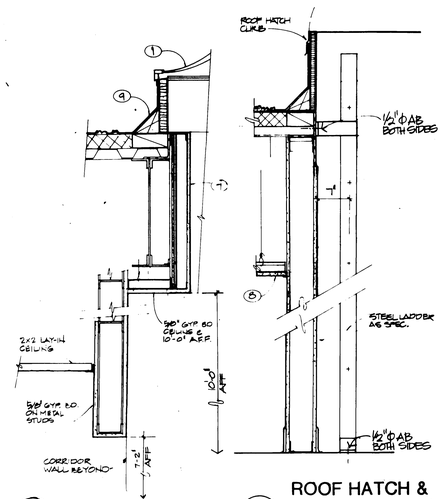
S8
SHEET 15 OF 36



2/A1 SKYLIGHT
SCALE: 1 1/2" = 1'-0"

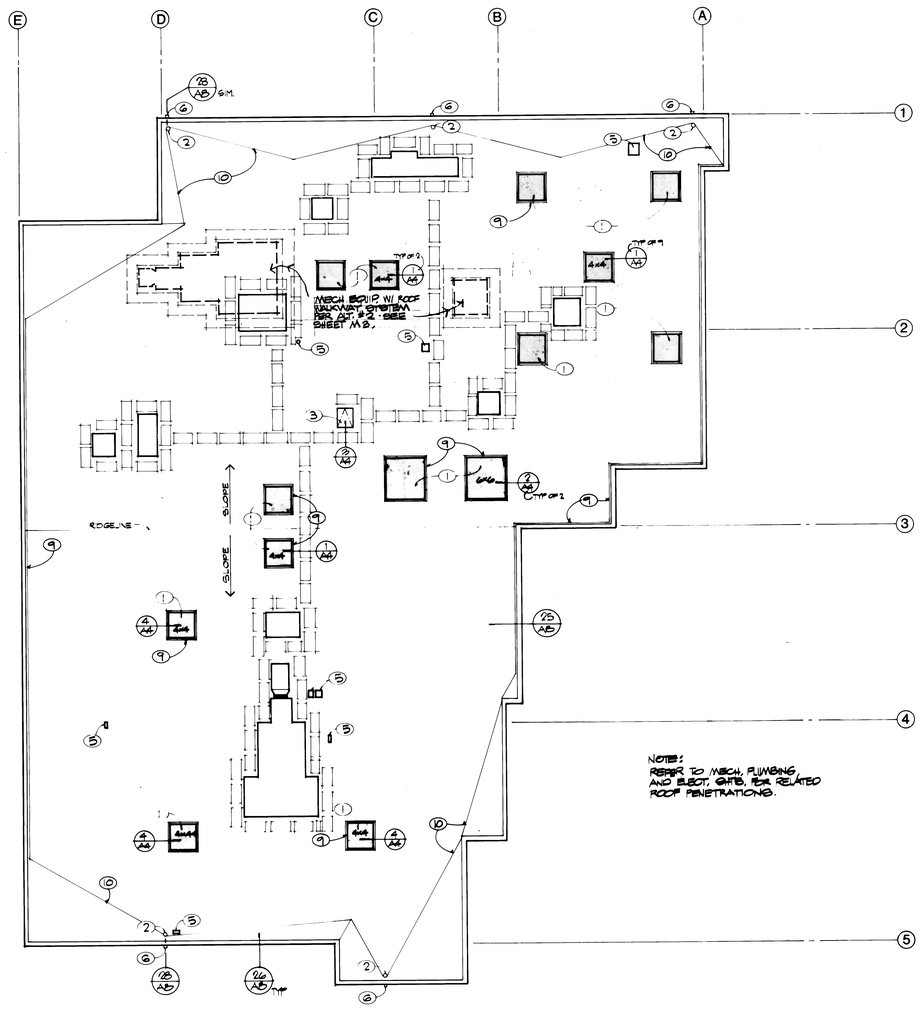


1/A1 SKYLIGHT
SCALE: 1 1/2" = 1'-0"



4/A1 SKYLIGHT
SCALE: 1 1/2" = 1'-0"

3/A5 ROOF HATCH & ACCESS LADDER
SCALE: 1 1/2" = 1'-0"



ROOF PLAN — BASE BID
SCALE: 1/8" = 1'-0"

26' 15'89 20'84

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505/ 265 3643

NOTES

1. SKYLIGHTS AS PER SPEC. SEE SHT. G-4 FOR LOCATIONS.
2. ROOF DRAIN - SEE MECH.
3. ROOF HATCH - SEE SPEC'S.
4. ROOF PROTECTION WALKWAY SYSTEM. SEE SPECS.
5. ROOF PENETRATIONS, SEE MECH DWGS.
6. OVERFLOW ROOF SCUPPER
7. 1 HR. SHAFT WALL
8. 5/8" GYP BRD ON METAL TRACKS.
9. CANT STRIP
10. CRICKET

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

ENGINEER

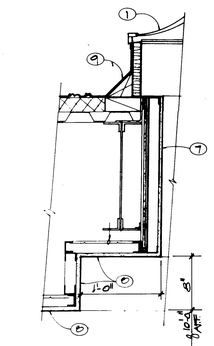
STATE OF NEW MEXICO
RONALD L. PETERS NO. 765
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

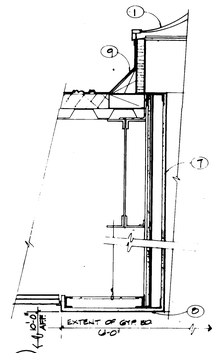
PROJECT NO. 8406 DATE MAY '85

A4

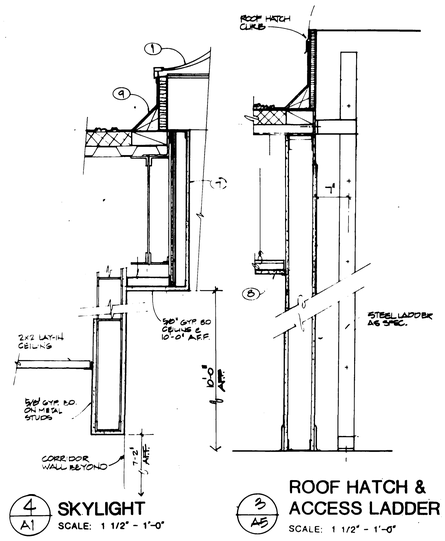
SHEET 20 OF 56



2/A1 SKYLIGHT
SCALE: 1 1/2" = 1'-0"

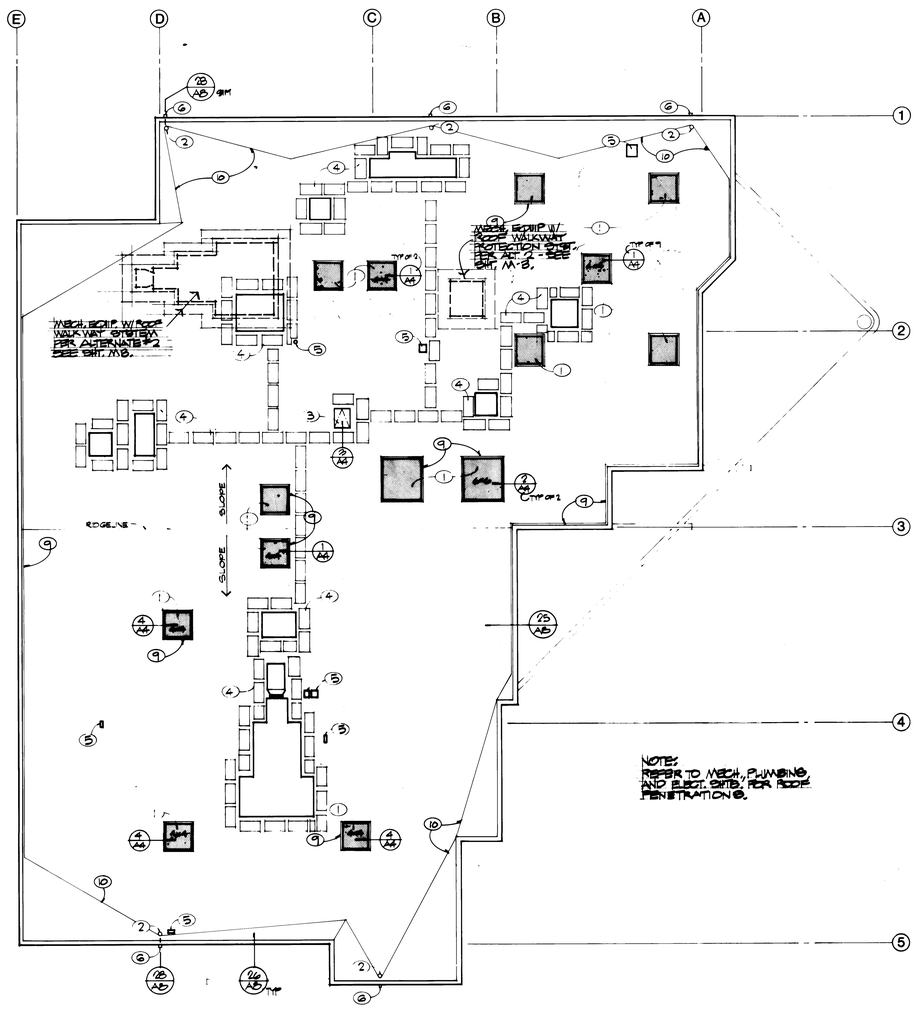


1/A1 SKYLIGHT
SCALE: 1 1/2" = 1'-0"



4/A1 SKYLIGHT
SCALE: 1 1/2" = 1'-0"

3/A5 ROOF HATCH & ACCESS LADDER
SCALE: 1 1/2" = 1'-0"



ROOF PLAN-ALTERNATE # 1
SCALE: 1/8" = 1'-0"

THE BURNS/PETERS GROUP
ARCHITECTS/PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505 265 3645

NOTES

1. SKYLIGHTS AS PER SPEC. SEE SHT. G-4 FOR LOCATIONS.
2. ROOF DRAIN - SEE MECH.
3. ROOF HATCH - SEE SPECS.
4. ROOF PROTECTION WALKWAY SYSTEM - SEE SPECS.
5. ROOF PENETRATIONS, SEE MECH DRWGS.
6. OVERFLOW ROOF SCUPPER
7. 1 HR. SHAFT WALL
8. 5/8" GYP BRD ON METAL TRACKS.
9. 4" CANT STRIP
10. CRICKET

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 7551
REGISTERED ARCHITECT
ARCHITECT

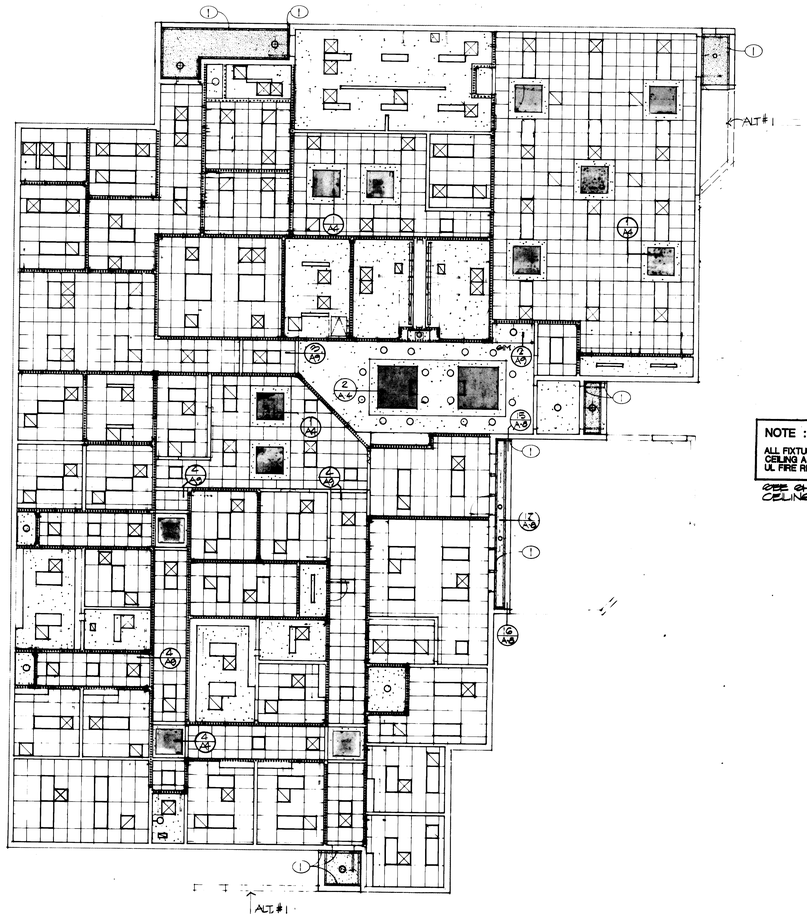
THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8103
DATE MAY '83

A4.5

SHEET 21 OF 86

126 1589 2184



NOTE :

ALL FIXTURES PENETRATING 1 HR. CEILING ASSEMBLIES SHALL CONFORM TO UL FIRE RESISTANCE RATING DESIGN NO. P209

SEE SHT A-1 FOR WALL SCHEDULE & CEILING SCHEDULE *

PLAN – REFLECTED CEILING

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

26 1589 2284

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

NOTES

① SOFFIT REVEAL

1 HR WALL TO BOTTOM OF ROOF DECK

ROOF SCUTTLE

EXAUST AIR GRILLE

RETURN AIR GRILLE

SUPPLY AIR DIFFUSER

RECESSED CAN LIGHT

1x4 FLUORESCENT LIGHT FIXTURE

2x2 FLUORESCENT LIGHT FIXTURE

2x4 FLUORESCENT LIGHT FIXTURE

2x2 SUSPENDED CEILING

2x4 SUSPENDED CEILING

SKYLIGHT

GYPSUM BOARD CEILING

CEMENTITOUS FINISH EXTERIOR SOFFITS

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 17 SEPT 84

REVISIONS

ENGINEER

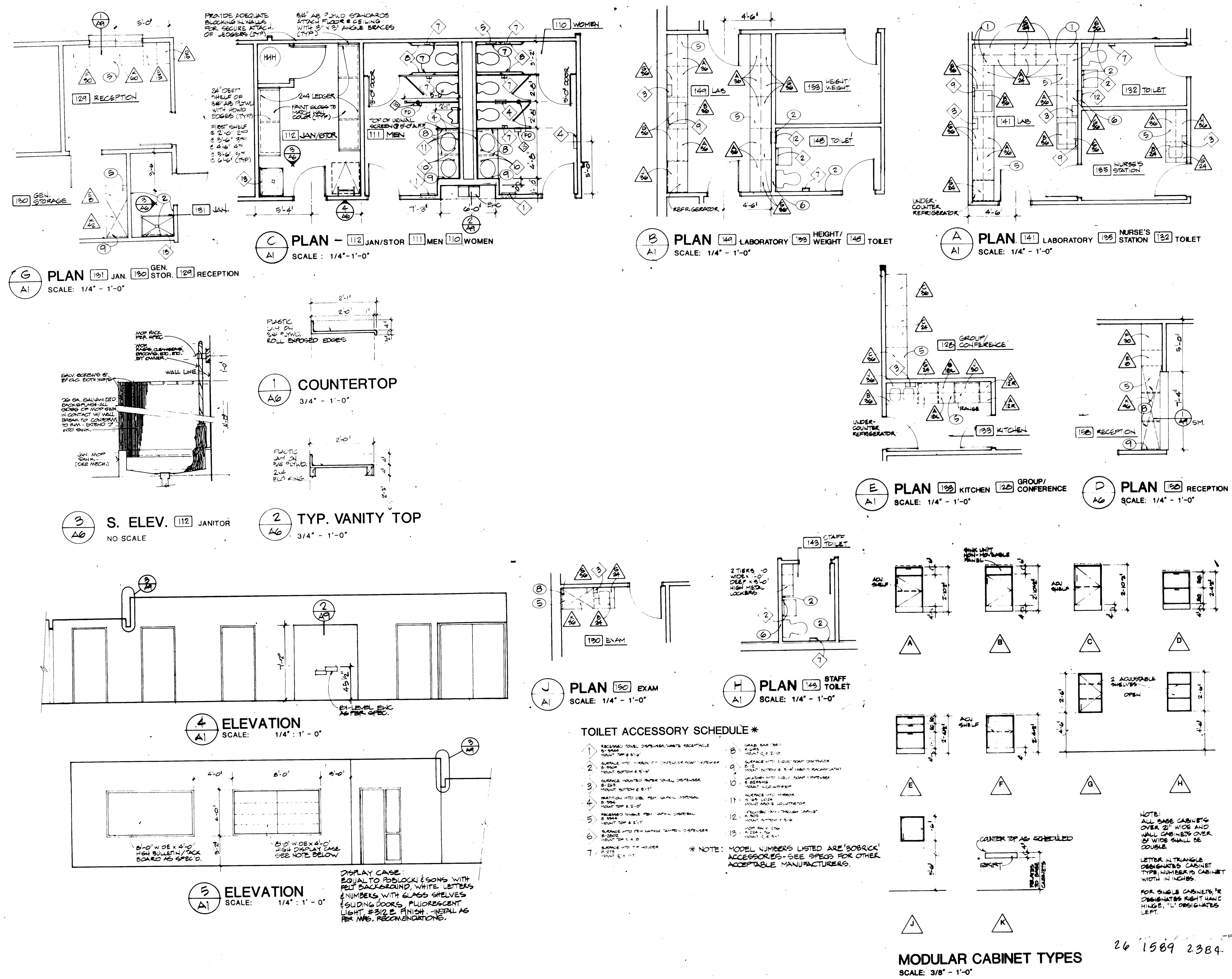
STATE OF NEW MEXICO
RONALD L. PETERS NO. 726
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '84

A5

SHEET 22 OF 26



G PLAN 131 JAN. 130 GEN. STOR. 129 RECEPTION
SCALE: 1/4" - 1'-0"
C PLAN - 112 JAN/STOR 111 MEN 110 WOMEN
SCALE: 1/4" - 1'-0"
B PLAN 140 LABORATORY 133 HEIGHT/WEIGHT 148 TOILET
SCALE: 1/4" - 1'-0"
A PLAN 141 LABORATORY 135 NURSE'S STATION 132 TOILET
SCALE: 1/4" - 1'-0"
1 COUNTERTOP
3/4" - 1'-0"
3 S. ELEV. 112 JANITOR
NO SCALE
2 TYP. VANITY TOP
3/4" - 1'-0"
E PLAN 138 KITCHEN 128 GROUP/CONFERENCE
SCALE: 1/4" - 1'-0"
D PLAN 130 RECEPTION
SCALE: 1/4" - 1'-0"
4 ELEVATION
SCALE: 1/4" : 1' - 0"
J PLAN 130 EXAM
SCALE: 1/4" - 1'-0"
H PLAN 149 STAFF TOILET
SCALE: 1/4" - 1'-0"
TOILET ACCESSORY SCHEDULE *
* NOTE: MODEL NUMBERS LISTED ARE 'BOBRICK' ACCESSORIES - SEE SPECS FOR OTHER ACCEPTABLE MANUFACTURERS.
5 ELEVATION
SCALE: 1/4" : 1' - 0"
DISPLAY CASE: EQUAL TO POBLOCKI & SONS WITH FELT BACKGROUND, WHITE LETTERS & NUMBERS WITH GLASS SHELVES & SLIDING DOORS, FLUORESCENT LIGHT. #312 E FINISH - INSTALL AS PER MFG. RECOMENDATIONS.
MODULAR CABINET TYPES
SCALE: 3/8" - 1'-0"
NOTE: ALL BASE CABINETS OVER 21" WIDE AND WALL CABINETS OVER 21" WIDE SHALL BE DOUBLE.
LETTER IN TRIANGLE DESIGNATES CABINET TYPE, NUMBER IS CABINET WIDTH IN INCHES.
26 1589 2384

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS

NOTES

1. CABINET DIMENSIONS SHOWN ARE FOR EXPOSED SURFACES - FRAME OF CABINET EXTENDS TO CORNER.
2. WATER RESISTANT GYP. BRD TO BE USED ON THIS WALL
3.
4. TYP. VANITY TOP - SEE 2/A6
5. TYP. COUNTER TOP - SEE 1/A6
6. PLUMBING WALL W/5/8" GYP. BRD ON 6" MT'L STUDS.
7. PROVIDE BLOCKING AS REQ'D @ GRAB BARS
8. PROVIDE KNEE BRACE SUPPORT @ EQUAL INTERVALS, NUMBER AS SHOWN.
9. PROVIDE 2x2 LEDGER SUPPORT AT WALL.

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 788
REGISTERED ARCHITECT

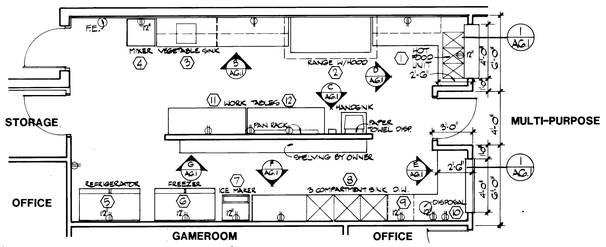
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8206
DATE MAY '83

A6

SHEET 20 OF 36



ELECTRICAL OUTLETS – NOTE:
OUTLETS ARE AT 48" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

OUTLETS ARE SHOWN FOR REFERENCE ONLY

SEE ELECTRICAL PLANS FOR CIRCUITS AND POWER REQUIREMENTS.

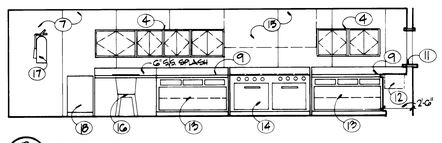
A/AG.1 KITCHEN PLAN
SCALE: 1/4" = 1' - 0"

KITCHEN EQUIPMENT SCHEDULE

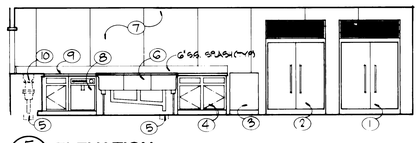
NO.	DESCRIPTION
1	HOT FOOD DROP IN (ELECTRIC) DUKE MANUF. CO.
2	RESTAURANT GAS RANGE DOUBLE OVEN U.G. RANGE CO. FF 12-24 2B A
3	STAINLESS STEEL ONE COMPARTMENT VEGETABLE SINK WITH 18" DRAIN BOARDS BOTH SIDES.
4	20 QUART BENCH MODEL MIXER HOBART MODEL A-200.
5	47.8 CUBIC FOOT TWO SECTION REFRIGERATOR HOBART MODEL HU-2.
6	47.0 CUBIC FOOT FREEZER.
7	AUTOMATIC ICE CUBE MAKER 50-75 lb CAPACITY. MANITOWAC.
8	STAINLESS STEEL THREE (3) COMPARTMENT SINK DUKE MANUF. CO. DRAIN BOARD ONE SIDE ONLY (SEE PLAN)
9	DISHWASHER HOBART MODEL WMP.ES-2
10	DISPOSAL IN-SINK-ERATOR TYPE 'B' BOWL ASSEMBLY MODEL SS-150.
11	STAINLESS STEEL WORKTABLE 72"x30"x34"H. NO UNDERSHELF.
12	STAINLESS STEEL WORKTABLE 72"x30"x34"H. WITH UNDERSHELF AND DRAWER AND PAN RACK (UNATTACHED)

NOTE: ALL EQUIPMENT IN THE ABOVE LIST WILL BE PROVIDED BY OWNER. SCHEDULE IS FOR REFERENCE ONLY.

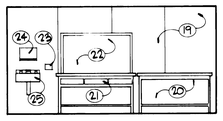
GENERAL NOTE:
CONTRACTOR IS RESPONSIBLE FOR THE FINAL HOOKUP AND INSTALLATION OF OWNER PROVIDED EQUIPMENT.



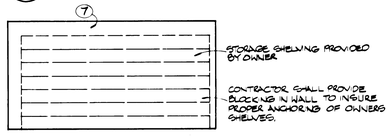
B/AG.1 ELEVATION
SCALE: 1/4" = 1' - 0"



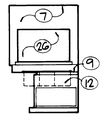
F/AG.1 ELEVATION
SCALE: 1/4" = 1' - 0"



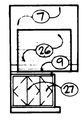
C/AG.1 ELEVATION
SCALE: 1/4" = 1' - 0"



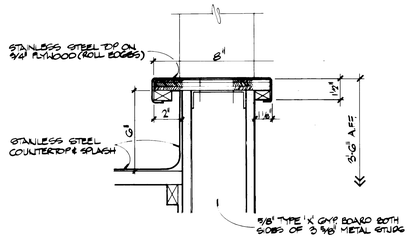
G/AG.1 ELEVATION
SCALE: 1/4" = 1' - 0"



D/AG.1 ELEVATION
SCALE: 1/4" = 1' - 0"



E/AG.1 ELEVATION
SCALE: 1/4" = 1' - 0"



1/AG.1 DETAIL
SCALE: 3" = 1' - 0"

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

NOTES
1. REFRIGERATOR-SEE EQUIPMENT SCHED.
2. FREEZER-SEE EQUIPMENT SCHED.
3. ICE MAKER-SEE EQUIPMENT SCHED.
4. CABINETS
5. FLOOR DRAIN
6. 3 COMPARTMENT SINK-SEE EQUIP. SCH.
7. WATER RESISTANT GYP. BOARD
8. DISHWASHER-SEE EQUIPMENT SCHED.
9. STAINLESS STEEL COUNTERTOP/SPLASH
10. DISPOSAL-SEE EQUIPMENT SCHED.
11. STAINLESS STEEL PASS-THRU
12. HOT FOOD UNIT SEE EQUIP. SCHED.
13. SHELVING
14. RANGE-SEE EQUIPMENT SCHED.
15. RANGE HOOD-SEE MECHANICAL
16. VEGETABLE SINK SEE EQUIP. SCHED.
17. FIRE EXTINGUISHER
18. MIXER-SEE EQUIPMENT SCHED.
19. MASONITE OR EQUAL.
20. WORKTABLE-NO DRAWERS (BY OWNER)
21. WORKTABLE-WITH DRAWERS (BY OWNER)
22. PAN RACK-SEE EQUIPMENT SCHED.
23. SOAP DISPENSER
24. PAPER TOWEL DISPENSER
25. HANDSINK
26. ROLLING COUNTER DOOR
27. LOCKING EDGE CABINETS

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

ENGINEER

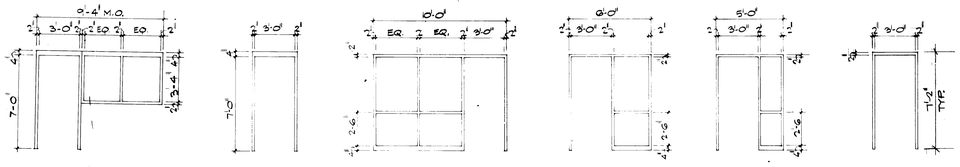
STATE OF NEW MEXICO
RONALD L. PETERS
NO. 765
REGISTERED ARCHITECT
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

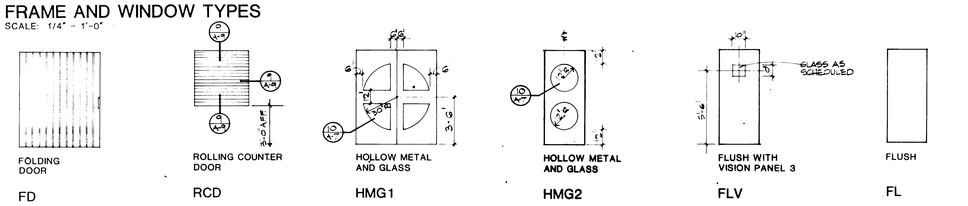
PROJECT NO. 8205
DATE MAY '83

A6.1
SHEET 24 OF 36

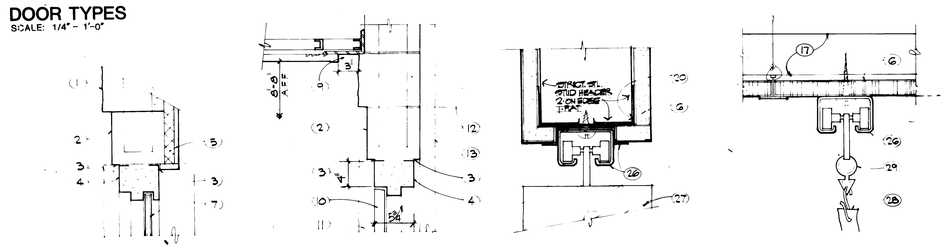
26, 15.89, 24-8-4



FRAME AND WINDOW TYPES
SCALE: 1/4" = 1'-0"



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

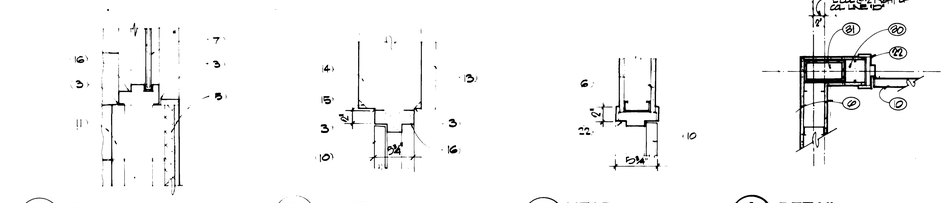


4 A-7 **HEAD** SCALE: 1 1/2" = 1'-0"

3 A-7 **HEAD** SCALE: 1 1/2" = 1'-0"

2 A-7 **HEAD** HALF SCALE

1 A-7 **CURTAIN TRACK** HALF-SCALE

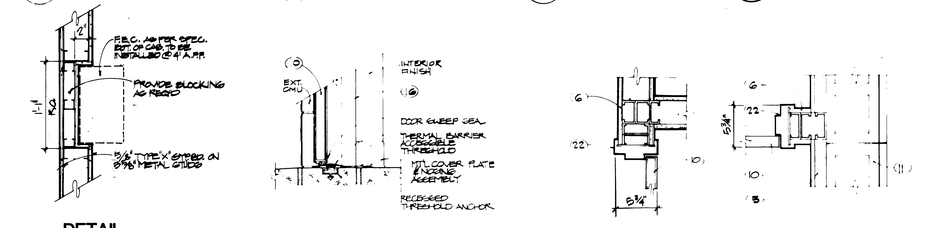


8 A-7 **SILL** (JAMB SIMILAR) SCALE: 1 1/2" = 1'-0"

7 A-7 **JAMB** SCALE: 1 1/2" = 1'-0"

6 A-7 **HEAD** SCALE: 1 1/2" = 1'-0"

5 A1 **DETAIL** SCALE: 1 1/2" = 1'-0"



15 A1 **DETAIL TYP. F.E.C.** SCALE: 1 1/2" = 1'-0"

14 A-7 **SILL** SCALE: 1 1/2" = 1'-0"

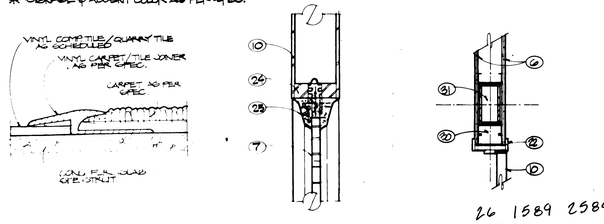
13 A-7 **JAMB** SCALE: 1 1/2" = 1'-0"

12 A-7 **JAMB** SCALE: 1 1/2" = 1'-0"

DOOR SCHEDULE

DR. NO.	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MATL	DOOR TYPE	HW	RTG	GLASS	FRAME MATL	FRAME TYPE	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	REMARKS
1	(2)3'-0"	7'-0"	1 3/4"	HM	HMG1	1		1/4" WIRE	HM	E	3/A-7	7/A-7	14/A-7	
2	(2)3'-0"	7'-0"	1 3/4"	HM	HMG1	2		1/4" WIRE	HM	E	3/A-7	7/A-7	14/A-7	
3	(2)3'-0"	7'-0"	1 3/4"	SCND	FL	9			HM	A	GA-7	13/A-7		"MULTI-PURPOSE" *
4	(2)3'-0"	7'-0"	1 3/4"	SCND	FL	6			HM	A	GA-7	13/A-7		
5	(2)3'-0"	7'-0"	1 3/4"	SCND	FL	6			HM	A	GA-7	13/A-7		
6	(2)3'-0"	7'-0"	1 3/4"	HM	FL	1		1/4" WIRE	HM	E	3/A-7	7/A-7	14/A-7	
7	3'-0"	7'-0"	1 3/4"	SCND	FLV	7			HM	A	GA-7	13/A-7		
8	3'-0"	7'-0"	1 3/4"	HM	FL	4			HM	E	3/A-7	7/A-7	14/A-7	DOOR VISION, DEADBOLT LOCK
9	4'-0"	3'-0"		EGGT	RCD	8			EGGT	-				
10	2'-0"	3'-0"		EGGT	RCD	8			EGGT	-				
11	3'-0"	7'-0"	1 3/4"	SCND	FL	3			HM	A	GA-7	13/A-7		
12	3'-0"	7'-0"	1 3/4"	SCND	FL	10			HM	A	GA-7	13/A-7		
13	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
14	3'-0"	7'-0"	1 3/4"	SCND	FL	12			HM	A	GA-7	13/A-7		"WOMEN" *
15	3'-0"	7'-0"	1 3/4"	SCND	FL	12			HM	A	GA-7	13/A-7		"MEN" *
16	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		"JANITOR" *
17	3'-0"	7'-0"	1 3/4"	SCND	FL	18			HM	A	GA-7	13/A-7		
18	3'-0"	7'-0"	1 3/4"	SCND	FL	14		1/4" WIRE	HM	D	GA-7	13/A-7		
19	3'-0"	7'-0"	1 3/4"	SCND	FL	9			HM	A	GA-7	13/A-7		
20	3'-0"	7'-0"	1 3/4"	SCND	FL	9			HM	A	GA-7	13/A-7		
21	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
22	3'-0"	7'-0"	1 3/4"	SCND	FL	19		1/4" WIRE	HM	D	GA-7	13/A-7		
23	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
24	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
25	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
26	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
27	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
28	3'-0"	7'-0"	1 3/4"	HM	FL	9			HM	E	3/A-7	7/A-7	14/A-7	DOOR VISION, DEADBOLT LOCK
29	3'-0"	7'-0"	1 3/4"	SCND	FL	19		1/4" WIRE	HM	C	GA-7	13/A-7		
30	3'-0"	7'-0"	1 3/4"	SCND	FL	17			HM	A	GA-7	13/A-7		
31	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
32	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
33	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
34	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
35	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
36	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
37	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
38	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		"RESTROOM" *
39	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
40	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
41	3'-0"	7'-0"	1 3/4"	SCND	FL	18			HM	A	GA-7	13/A-7		
42	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
43	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
44	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		"STAFF" *
45	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
46	3'-0"	7'-0"	1 3/4"	SCND	FL	18			HM	A	GA-7	13/A-7		
47	3'-0"	7'-0"	1 3/4"	SCND	FL	3			HM	A	GA-7	13/A-7		
48	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
49	3'-0"	7'-0"	1 3/4"	HM	FL	9			HM	E	3/A-7	7/A-7	14/A-7	DEADBOLT LOCK
50	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
51	3'-0"	7'-0"	1 3/4"	SCND	FL	18			HM	A	GA-7	13/A-7		
52	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
53	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
54	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
55	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
56	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
57	3'-0"	7'-0"	1 3/4"	SCND	FL	9			HM	A	GA-7	13/A-7		
58	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		"JANITOR" *
59	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
60	3'-0"	7'-0"	1 3/4"	SCND	FL	11			HM	A	GA-7	13/A-7		
61	3'-0"	7'-0"	1 3/4"	SCND	FL	19			HM	A	GA-7	13/A-7		
62	3'-0"	7'-0"	1 3/4"	HM	HVG1	16		1/4" WIRE	HM	F	3/A-7	7/A-7	14/A-7	DEADBOLT LOCK, PUSH BAR, PE
63	6'-0"	7'-0"		WOOD	FD	8			WD		2/A-7			
64	3'-0"	7'-0"	1 3/4"	HM	HVG1	16		1/4" WIRE	HM	F	3/A-7	7/A-7	14/A-7	DEADBOLT LOCK
65	21'-0"	7'-0"	1 3/4"	HM		11			HM	A	GA-7	13/A-7		

* SIGNAGE & ACCENT COLOR AS PER SPEC.



26 1589 2584

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505/ 265 3645

NOTES

1. 9" SPLIT-FACE BLOCK
2. 8" CERAMIC FACED CMU AS SPEC.
3. CAULKING
4. 4" MTL FRAME - GROUT SOLID
5. INSULATION/GYP BD. SYSTEM AS SPEC.
6. 5/8" GYP BD. - PAINT AS SPEC.
7. 1/4" WIRE GLASS
8. SYNTHETIC PLASTER FINISH ON 3/4" EXTERIOR TYPE GYP BD
9. REVEAL - PAINT AS SPEC.
10. DOOR AS SCHEDULED
11. 9" FLUTED BLOCK - STAIN AS SPEC.
12. CEILING AS SCHEDULED.
13. INTERIOR FINISH AS SCHEDULED - A-1
14. 9" EXT. WALL: ALT #1, C.I.P. CONC. } BASE BID, 9" CMU
15. 1" CHAMFER IF ALT. BID
16. 12" HOLLOW MTL FRAME - GROUT FILL.
17. TREATED RO. BLKG AS NEED-ED FOR SECURE TRACK ANCHORAGE
18.
19.
20. 3 5/8" METAL STUDS
21.
22. 2" HOLLOW METAL FRAME AS SPEC.
23.
24. 1/2"x1/8" CONT. STL. BARS, WELD TO INSIDE OF OPENING. ALL WELDS & INSTALLATION TO BE FINISHED SMOOTH, PRIMED & PAINTED PER SPEC.
25. NEOPRENE SPLINE GASKET W/ SEPERATE LOCKING STRIP.
26. TRACK & PLASTER CHANNEL PER SPEC.
27. FOLDING DOOR AS SPEC.
28. HOSPITAL CURTAIN AS SPEC
29. HARDWARE BY MFGR.
30. DOUBLE METAL STUD - TYP.
31. 6" L COL - SEE STRUCT.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 768 — REGISTERED ARCHITECT

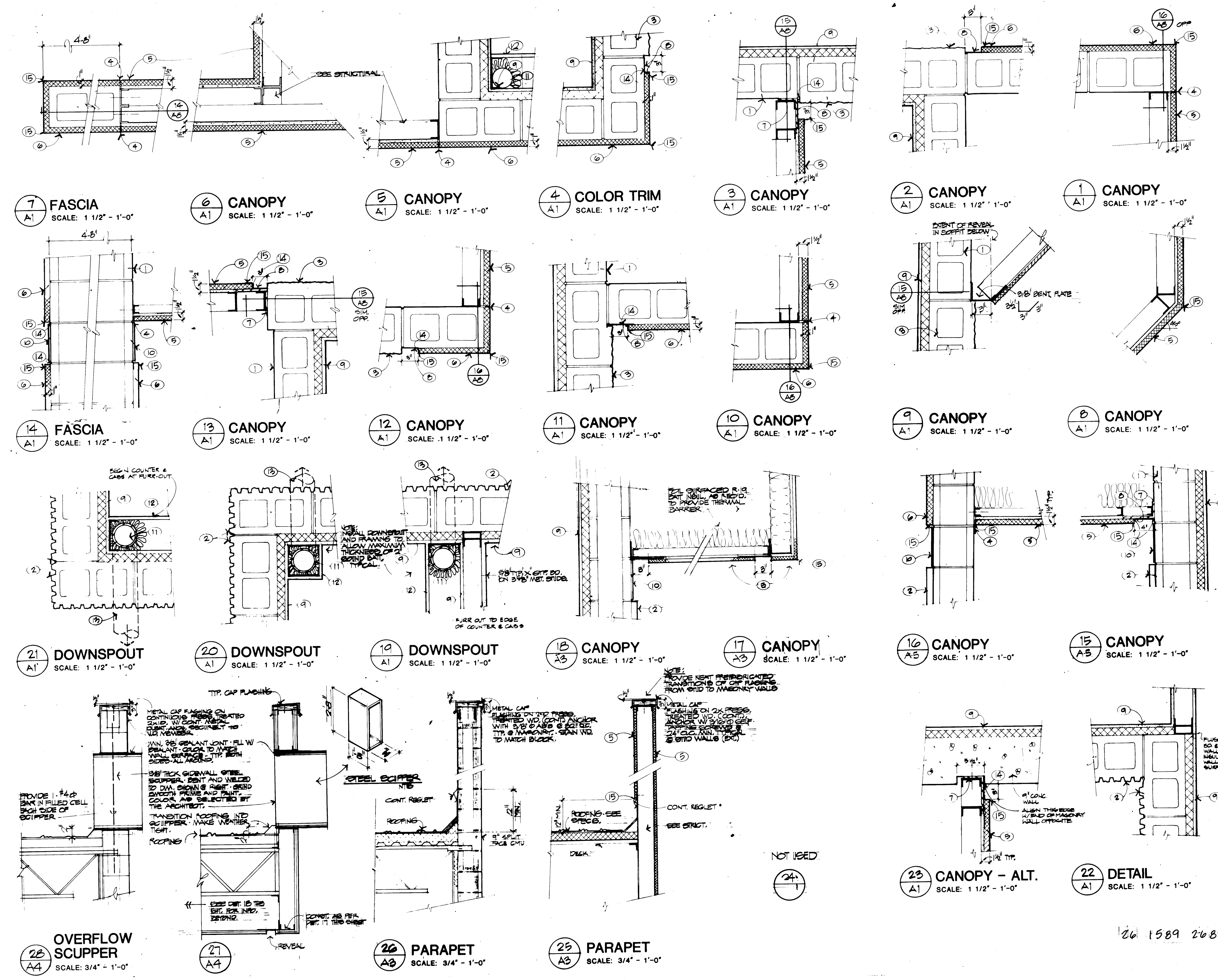
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8106 | DATE MAY '85

A7

SHEET 25 OF 36



26 1589 2684

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM ... 265 3645

NOTES

1. 8" COMMON C.M.U.
2. 9" FLUTED C.M.U.
3. 9" SPLIT-FACE C.M.U.
4. ~~EXPANSION JT. W/ SEALANT.~~
5. SYNTHETIC PLASTER FINISH ON EXPANDED POLYSTYRENE ON EXT. GYP. BD. - COLOR AS SPEC.
6. SYNTHETIC PLASTER FINISH ON EXPANDED POLYSTYRENE ON 8" COMMON CMU
7. 6"x3 1/2"x3/8" ST'L ∠ - SEE STRUCT. FOR ANCHORAGE
8. REVEAL AS NOTED. AT INTERSECTION OF ALL HORIZONTAL AND VERTICAL STEEL ∠'S, PROVIDE A GROUND-SMOOTH WELDED JOINT. PAINT ALL REVEALS ACCENT COLOR AS SELECTED BY THE ARCHITECT.
9. INSULATION/GYP. BOARD SYSTEM
10. 8" CERAMIC-FACED CMU AS SPEC.
11. 4" I.D. ROOF DRAIN LEADED
12. 5/8" GYP. BOARD ON 6" METAL STUDS.
13. ROOF DRAIN LEADER THRU STEM WALL TO SIDEWALK TRENCH
14. SEALANT
15. ALL CORNERS, EDGES, TERMINATIONS, OF THE SYNTHETIC PLASTER FINISH SHALL FINISH OUT SMOOTH, SHARP & CLEAN. METHOD OF INSTALLATION SHALL BE REVIEWED W/ THE ARCHITECT PRIOR TO INSTALLATION.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

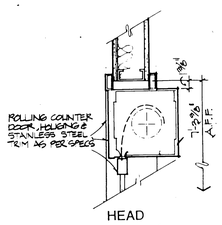
STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

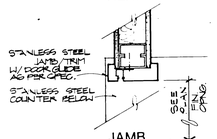
PROJECT NO. 8203
DATE MAY '83

A8

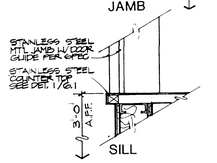
SHEET 26 OF 36



HEAD

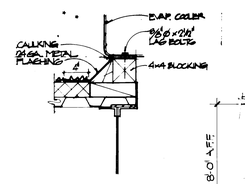


JAMB

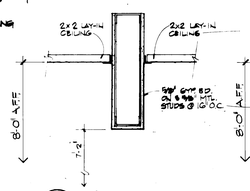


SILL

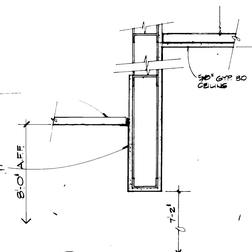
9 / A-6 DETAIL
SCALE: 1 1/2" - 1'-0"



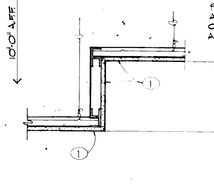
5 / A-4 DETAIL
SCALE: 1 1/2" - 1'-0"



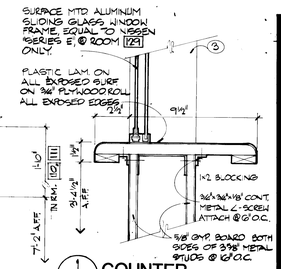
4 / A1 BULKHEAD
SCALE: 1 1/2" - 1'-0"



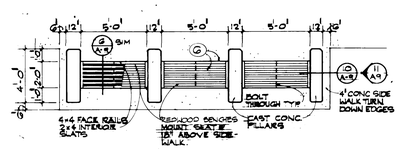
3 / A1 BULKHEAD
SCALE: 1 1/2" - 1'-0"



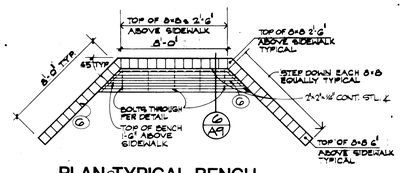
2 / A6 SECTION
SCALE: 1 1/2" - 1'-0"



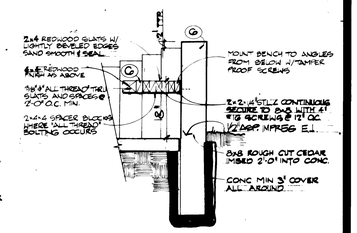
1 / A9 COUNTER
SCALE: 3" - 1'-0"



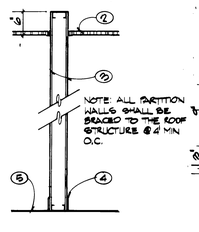
8 / C-1 PLAN - BENCH ALT. #1
SCALE: 1/4" - 1'-0"



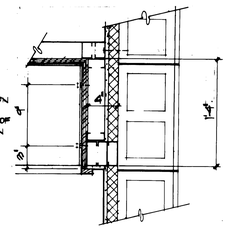
PLAN @ TYPICAL BENCH ALTERNATE #1
7 / C1 SCALE: 1/4" - 1'-0"



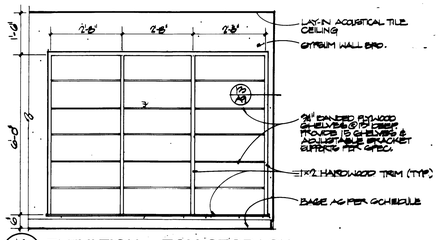
SECTION @ TYP. BENCH ALT. #1
6 / C1 SCALE: 3/4" - 1'-0"



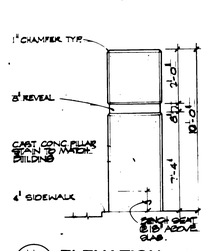
TYPICAL PARTITION WALL
14 / A1 SCALE: 3/4" - 1'-0"



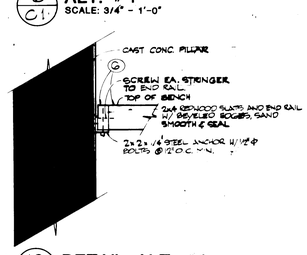
13 / A9 DETAIL
SCALE: 1 1/2" - 1'-0"



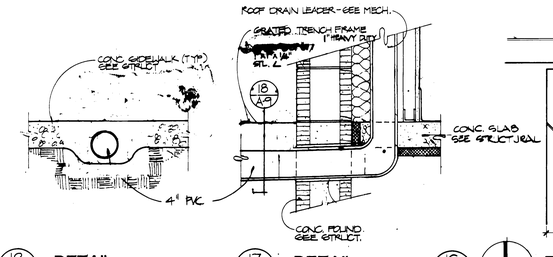
12 / A1 ELEVATION - TOY STORAGE
SCALE: 1/2" - 1'-0"



11 / A-9 ELEVATION
SCALE: 1/4" - 1'-0"

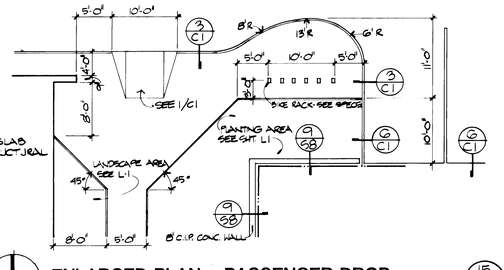


10 / A-9 DETAIL-ALT. #1
SCALE: 1 1/2" - 1'-0"

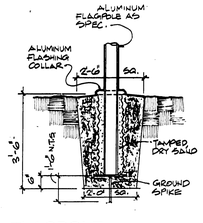


18 / A9 DETAIL
SCALE: 1 1/2" - 1'-0"

17 / A9 DETAIL
SCALE: 1 1/2" - 1'-0"



ENLARGED PLAN - PASSENGER DROP OFF AREA
16 / C1 SCALE: 1/8" : 1'-0"



15 / C1 FLAGPOLE
SCALE: 1/2" : 1'-0"

26 1'589 2784

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

NOTES

1. 5/8" GYP. BRD. ON MTL SUPPORT SYSTEM
2. CEILING AS SCHEDULED
3. 5/8" GYP. BRD. ON MTL STUDS
4. BASE AS SCHEDULED.
5. FLOOR FINISH AS SCHEDULED.
6. FINISH ALL EXTERIOR WOODWORK WITH CLEAR FINISH EQUAL TO "WOODLIFE"

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

ENGINEER

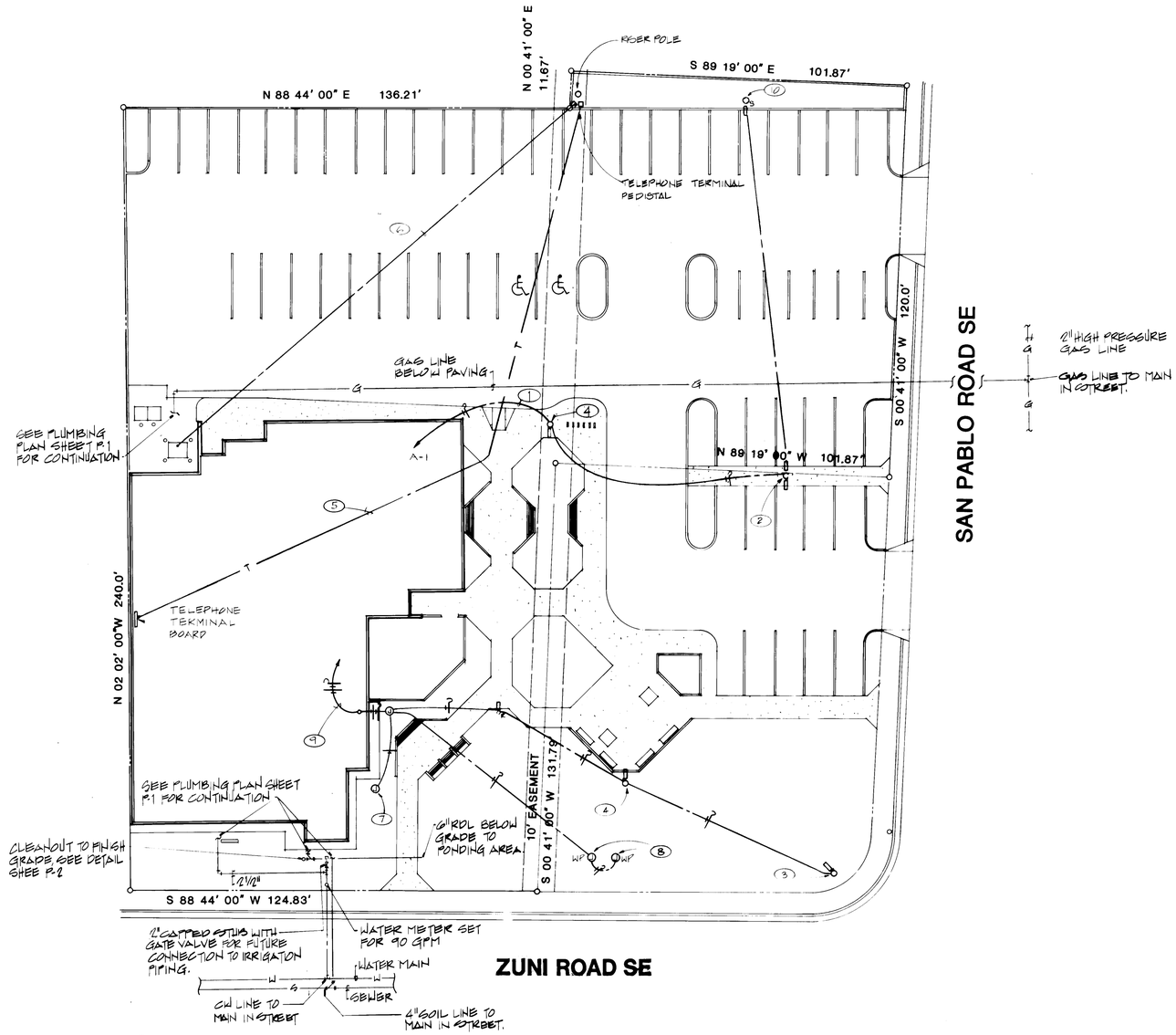
STATE OF NEW MEXICO
RONALD L. PETERS NO. 755
REGISTERED ARCHITECT
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8206
DATE MAY '83

A9
SHEET 27 OF 36

8214SE

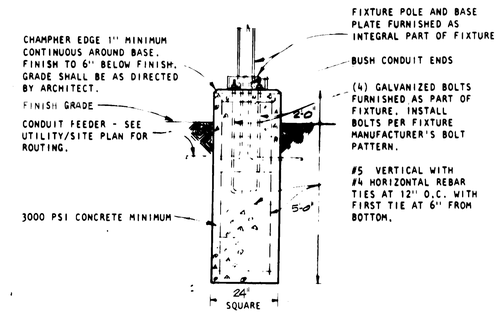


SITE PLAN - UTILITIES

SCALE: 1" - 20'-0"

NOTES

1. TO CIRCUIT INDICATED THROUGH LIGHTING CONTACTOR IN BOTTOM SKIRT OF PANEL "A". USE #10 CONDUCTORS.
2. POLE FIXTURE, 25' POLE. CROUSE-HINDS #2/RAL250LEC WITH POLE #DS2206.00A250P2/2. FURNISH WITH 2-250W HPS LAMPS. BASE SHALL BE SAME AS TYPE "S" ON CONTRACT DRAWINGS.
3. POLE FIXTURE, 25' POLE. CROUSE-HINDS #RAL250LEC WITH POLE #DS2206.00A250P2. FURNISH WITH 1-250W HPS LAMP. BASE SHALL BE SAME AS TYPE "S" ON CONTRACT DRAWINGS.
4. POLE FIXTURE 10' POLE. EMCO #JU 70 HPS-SSS10-120V-DB. BASE SHALL BE SAME AS TYPE "R" ON CONTRACT DRAWINGS.
5. 2" TELEPHONE CONDUIT TO TELEPHONE PEDESTAL AS SHOWN.
6. 4" PRIMARY CONDUIT TO RISER POLE AS SHOWN.
7. FLUSH MOUNTED WP JUNCTION BOX FOR CONNECTION TO SPRINKLER SYSTEM CONTROLLER. EXTEND TO SPARE 20A/1P CIRCUIT BREAKER IN PANEL "A".
8. WP JUNCTION BOX FOR CONNECTION OF SIGN LIGHTING.
9. TO SWITCH LOCATED IN VESTIBULE IN MAIN ENTRANCE. LABEL SWITCH "SIGN LIGHTS".



FIXTURE TYPE "S" MOUNTING DETAIL

SCALE: NONE

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS
6000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 (505) 265-3645

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT. 84

REVISIONS AS BUILT AUG. 1984

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — No. 1883 — W. DEAN POWELL — ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 755 — REGISTERED ARCHITECT — ARCHITECT

THE EAST · CENTRAL MULTI · SERVICE CENTER

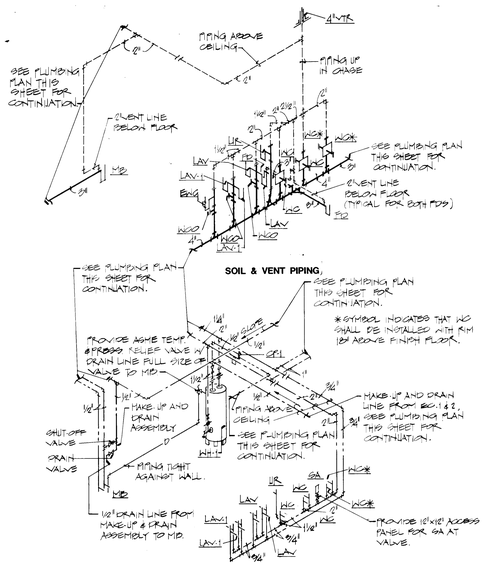
PROJECT NO. 8205

DATE SEPT. '84

U1

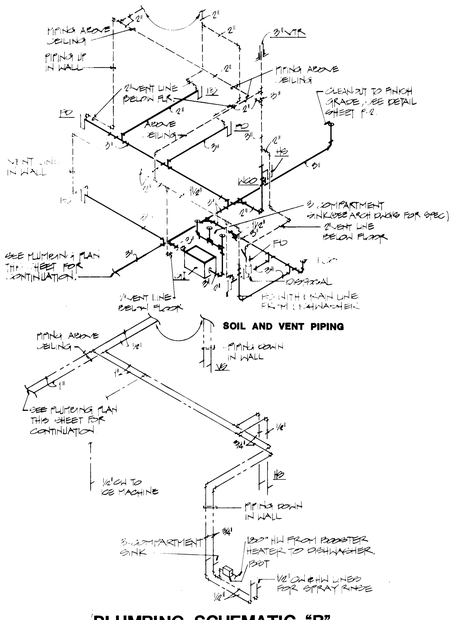
SHEET 28 OF 36

26 1589 2884



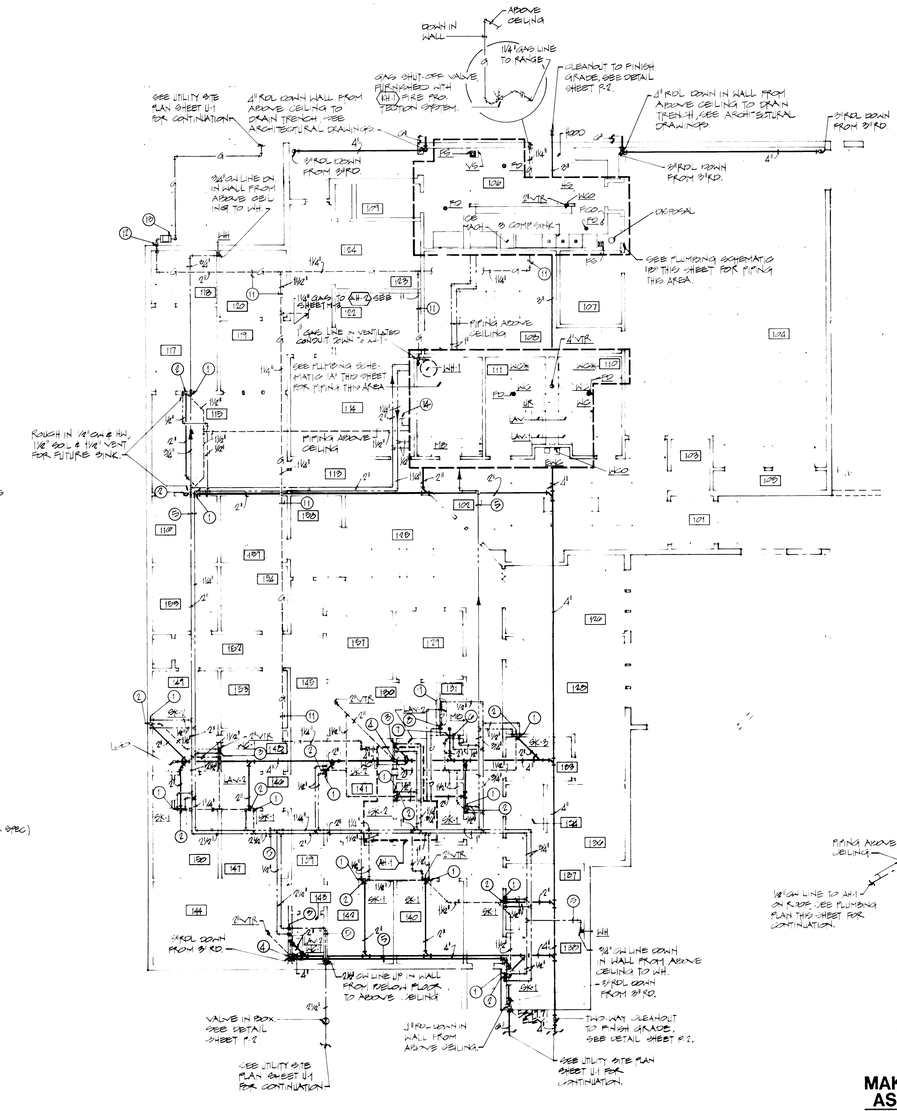
PLUMBING SCHEMATIC "A"

SCALE NONE



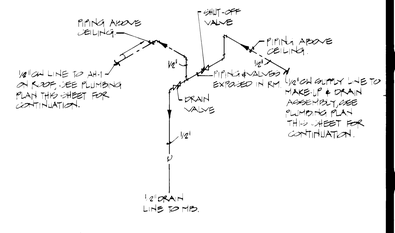
PLUMBING SCHEMATIC "B"

SCALE NONE



PLAN – PLUMBING

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



MAKE – UP & DRAIN ASSEMBLY DETAIL

SCALE NONE

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

ALBUQUERQUE, NEW MEXICO 505 265-3645

NOTES (○)

1. 1/2" CW AND HW LINES DOWN IN WALL FROM ABOVE CEILING TO SINK.
2. 1-1/2" VENT LINE UP IN WALL TO ABOVE CEILING.
3. 1-1/2" CW AND 1/2" HW LINES DOWN IN WALL FROM ABOVE CEILING WITH 1" CW LINE TO WC-1 AND 1/2" CW AND HW LINES TO LAV-2.
4. 2" VENT LINE UP IN WALL FROM WC-1, OFF-SET ABOVE CEILING TO 2 VTR.
5. PIPING ABOVE CEILING.
6. 1/2" CW AND HW LINES DOWN IN WALL FROM ABOVE CEILING SPACE TO MB.
7. 2" VENT LINE UP IN WALL FROM MB TO ABOVE CEILING.
8. 1" DRAIN LINE SERVING AH-1 ON ROOF DOWN ALONG WALL FROM ABOVE CEILING TO MB.
9. MAKE-UP AND DRAIN, ASSEMBLY, SEE SCHEMATIC THIS SHEET.
10. ~~1/2" CW LINE UP THRU ROOF IN PITCH PAN, FILLED WITH NON HARDENING MASTIC, PROVIDE GATE VALVE AND UNION AT CONNECTION EVAPORATIVE COOLERS.~~
11. GAS PIPING ON ROOF SUPPORT ON 4" X 4" TREATED WOOD SKIDS AT 10'-0" O.C.
12. 2" GAS LINE UP ALONG WALL TO ROOF TOP. SUPPORT PIPING ON WALL AS REQUIRED.
13. NEW GAS METER AND PRESSURE REGULATOR SET FOR 660 CFH AT 7" LEAVING WATER COLUMN. METER AND HIGH PRESSURE PIPING SHALL BE INSTALLED BY GAS COMPANY OF NEW MEXICO. MECHANICAL CONTRACTOR SHALL INCUR ALL COSTS OF METER AND HIGH PRESSURE PIPING.
14. 1/2" CW LINE FOR ALTERNATE UNIT AH-2. SEE ALTERNATE PLAN SHEET M-3

GENERAL NOTES

1. PROVIDE WALL CLEANOUT BELOW ALL LAV-2, SK-1, AND SK-2'S.
2. COORDINATE ALL PIPING IN CEILING SPACE WITH SKYLIGHTS.
3. FOR FIXTURE SCHEDULE, SEE SHEET P-2.
4. FOR PLUMBING DETAILS, SEE SHEET P-2.
5. FOR SYMBOL LEGEND, SEE SHEET P-2.

REVISIONS AS BUILT - AUG. 1984

JAMES D. COURLAND, NEW MEXICO, 4128, REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO, RONALD L. PETERS, NO. 726, REGISTERED ARCHITECT — ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

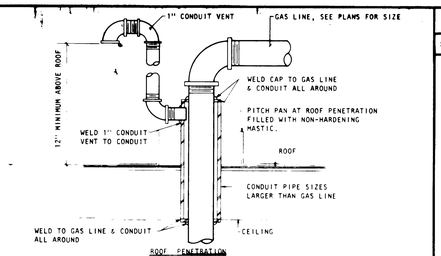
PROJECT NO. 8108

DATE MAY '83

P1

SHEET 29 OF 36

26, 1589, 2984



VENTILATED CONDUIT DETAIL

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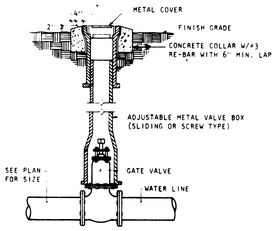

VALVE BOX DETAIL

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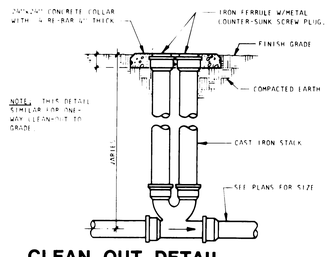

CLEAN OUT DETAIL

SCALE: NONE

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
SA	SHOCK ABSORBER: J.R. SMITH SERIES STAINLESS STEEL, SEALED AIR CHARGE, 1" IPS, PROPERLY SIZED FOR FIXTURE LOAD AT POINT OF INSTALLATION.
RD	ROOF DRAIN: J.R. SMITH FIG. 1010 CAST IRON SUMP WITH FLANGE, EXTENSION, CAST IRON DEBRIS DOME, DECK CLAMP, FLASHING RING & GRAVEL STOP. SIZE AS SHOWN ON DRAWINGS.
WH	WALL HYDRANT: J.R. SMITH FIG 5509 NON-FREEZE ANTI-SIPHON, WITH POLISHED BRONZE FACE, BRASS CASING AND REMOVABLE KEY. TRAP -- VENT -- CW 3/4" HW --
WH-1	WATER HEATER: A.O. SMITH MODEL BT-100 "CONSERVATIONIST", GLASS-LINED TANK, AUTOMATIC SAFETY SHUT OFF, MAGNESIUM ANODE ROD, DRAIN VALVE, BAKED ENAMEL FINISH. A.G.A. CERTIFIED, GLASS FIBER INSULATION BETWEEN TANK AND SHELL, UNIT SHALL BE 100 GALLON STORAGE, WITH 72 GPH RECOVERY AT 100 DEGREE RISE WITH 80,000 BTUH SEA LEVEL INPUT, 10 YEAR WARRANTY, COMPLETE WITH ASME TEMPERATURE & PRESSURE RELIEF VALVE.
CP-1	CIRCULATING PUMP: ALL BRONZE CONSTRUCTION, CARTRIDGE TYPE. IN LINE PUMP CAPABLE OF 3 GPM AGAINST 6 FOOT HEAD WITH 1/40 H.P., 120 V, SINGLE PHASE MOTOR, ARMSTRONG MODEL 5-1B PROVIDE AQUA-STAT WITH UNIT.
BST	BOOSTER: A.O. SMITH MODEL CH-9 BOOSTER HEATER SET TO DELIVER 180° WATER. 9 KW.

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
——I——	FIRE PROTECTION	VTR	VENT THRU ROOF
——— ———	COLD WATER LINE	FD	FIRE DAMPER
——— ———	HOT WATER LINE	FC	FLEXIBLE CONNECTION
——— ———	CIRCULATING HOT WATER	AL	ACCOUSTIC LINING
- - - - - -	VENT PIPING	TV	TURNING VANES
——S——	SOIL LINE	AD	ACCESS DOOR
——S——	SOIL LINE (EXISTING)		GATE VALVE
——G——	GAS LINE		GLOBE VALVE
——G——	GAS LINE (EXISTING)		CHECK VALVE
——W——	WATER LINE		BALANCING OR PLUG VALVE
——W——	WATER LINE (EXISTING)		RELIEF VALVE
——CA——	COMPRESSED AIR		BUTTERFLY VALVE
——D——	DRAIN LINE		R.G. CIRCUIT SETTER VALVE
——CHWS——	CHILLED WATER SUPPLY		VALVE IN RISE
——CHWR——	CHILLED WATER RETURN		STRAINER
——HWS——	HOT WATER SUPPLY		UNION
——HWR——	HOT WATER RETURN		THERMOMETER
——CWS——	CONDENSING WATER SUPPLY		REDUCER
——CWR——	CONDENSING WATER RETURN	T	PNEUMATIC THERMOSTAT
——RS——	REFRIGERANT SUCTION	T	ELECTRIC THERMOSTAT
——RL——	REFRIGERANT LIQUID	T	TEMP.-PRESSURE TEST PLUG
——HG——	REFRIGERANT HOT GAS		MANUAL AIR VENT
——RDL——	ROOF DRAIN LEADER		AUTOMATIC AIR VENT
——OFL——	OVER FLOW LEADER		RAISED DUCTWORK
BD	BALANCING DAMPER		FLEXIBLE DUCTWORK

SYMBOL	DESCRIPTION
WC	WATER CLOSET: AMERICAN STANDARD "AFWALL" 2477.016 RIM FED SIPHON JET, ELONGATED RIM, 1 1/2" TOP SPUD, WALL HUNG BOWL, SLOAN "ROYAL" 110-3 FLUSH VALVE WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND CHECK HINGE, LESS COVER, AND CONCEALED CLOSET CARRIER WITH 4" S.P.S. OUTLET CONNECTION. TRAP -- VENT 2" CW 1" HW --
WC-1	WATER CLOSET: AMERICAN STANDARD "MADERA" 2221.018, WATER SAVER, SIPHON JET, VITREOUS CHINA, ELONGATED RIM, BOLT CAPS, 1 1/2" TOP SPUD, SLOAN "ROYAL" 110-3 FLUSH VALVE WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND CHECK HINGE, LESS COVER. TRAP -- VENT 2" CW 1" HW --
UR	URINAL: AMERICAN STANDARD "LYNBROOK" 6530.018, VITREOUS CHINA, BLOW-OUT WALL URINAL WITH INTEGRAL EXTENDED SHIELDS, FLUSHING RIM, 1 1/4" TOP SPUD, J.R. SMITH FIG #759 FLOOR SUPPORTED CARRIER, SLOAN "ROYAL" 180 FLUSH VALVE WITH VACUUM BREAKER, SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION. TRAP 2" VENT 1 1/2" CW 1" HW --
LAV	LAVATORY: AMERICAN STANDARD "AQUALYN" 0476.028 VITREOUS CHINA, SELF RIMMING COUNTERTOP LAVATORY WITH OVAL BASIN AND FRONT OVERFLOW, WITH ROYAL BRASS 1105A VANDALPROOF SLO-CLOS PUSHBUTTON FAUCET WITH 1/2 GPM FLOW RESTRICTOR, 2411.015 DRAIN WITH PERFORATED OPEN STRAINER, ANGLE SUPPLIES WITH LOOSE KEY STOP, ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL, LAVATORY SIZE 20" X 17". TRAP 1 1/4" VENT 1 1/2" CW 1/2" HW 1/2"
LAV-1	LAVATORY: AMERICAN STANDARD "AQUALYN" 0476.028 VITREOUS CHINA, SELF RIMMING COUNTERTOP LAVATORY WITH OVAL BASIN AND FRONT OVERFLOW, WITH ROYAL BRASS M-906-AM FAUCET WITH 1/2 GPM FLOW RESTRICTOR, 2411.015 DRAIN WITH PERFORATED OPEN STRAINER, ANGLE SUPPLIES WITH LOOSE KEY STOP, ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL, LAVATORY SIZE 20" X 17". INSULATE ALL HOT WATER PIPING BELOW LAV. TRAP 1 1/4" VENT 1 1/2" CW 1/2" HW 1/2"
LAV-2	LAVATORY: AMERICAN STANDARD "LUCERNE" 0355.012 VITREOUS CHINA LAVATORY WITH BACK, RECTRANGULAR BASIN, SPLASH LIP, FRONT OVERFLOW, SOAP DEPRESSION, DRILLED FOR J.R. SMITH #6820 FLOOR SUPPORTED CARRIER WITH CONCEALED ARMS, ROYAL BRASS 1105A VANDALPROOF SLO-CLOS PUSH BUTTON FAUCET WITH 1/2 GPM FLOW RESTRICTOR, 2411.015 DRAIN WITH PERFORATED STRAINER, ANGLE SUPPLIES WITH LOOSE KEY STOP, AND CAST BRASS ADJUSTABLE "P" TRAP WITH WASTE TO WALL, LAVATORY SIZE 20" X 18". TRAP 1 1/4" VENT 1 1/2" CW 1/2" HW 1/2"
SK-1	SINK: JUST MODEL #SL-2017 A-GR SINGLE COMPARTMENT SINK, 18 GAUGE TYPE 302 STAINLESS STEEL, SELF RIMMING, UNDERSIDE UNDERCOATED, SINGLE FAUCET HOLE, J.R. 1540 DUAL HANDLE FAUCET WITH GOOSENECK SWING SPOUT AND AERATOR, J-35 DUO STRAINER WITH 1 1/2" TAILPIECE, ANGLE SUPPLIES WITH WHEEL HANDLE STOPS, ADJUSTABLE "P" TRAP WITH WASTE TO WALL, SINK SIZE 17" X 20" TRAP 1 1/2" VENT 1 1/2" CW 1/2" HW 1/2"
SK-2	SINK: JUST MODEL #SLX-2229 A-GR SINGLE COMPARTMENT 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, UNDERSIDE UNDERCOATED, J.R. 220 DUAL HANDLE FAUCET WITH GOOSENECK SWING SPOUT, J-35 DUO-STRAINER WITH BASKET, ANGLE SUPPLIES WITH LOOSE KEY STOP, INDIRECT WASTE TO FLOOR SINK. SINK SIZE 25" X 22" X 12" DEEP. TRAP -- VENT -- CW 1/2" HW 1/2"
SK-3	SINK: JUST MODEL #DL-1829 A-GR DOUBLE COMPARTMENT 18 GAUGE STAINLESS STEEL, SELF-RIMMING, LEDGE BACK SINK, THREE FAUCET HOLES, UNDERSIDE UNDERCOATED COMPLETE WITH J.R. 220 DUAL HANDLE FAUCET WITH DECK MOUNTED ESCUTCHEON, GOOSENECK SWING SPOUT WITH AERATOR, ANGLE SUPPLIES WITH WHEEL HANDLE STOPS. TWO J-35 STRAINER-DRAIN ASSEMBLIES WITH 1 1/2" TAIL PIECE. CONTINUOUS WASTE CONNECTION AND CAST BRASS ADJUSTABLE "P" TRAP WITH WASTE TO WALL. SINK SIZE 29" X 18". TRAP 1 1/2" VENT 1 1/2" CW 1/2" HW 1/2"
MB	MOP BASIN: WILLIAMS MTB 3624, SIZE 36" X 24" X 10" DEEP, CONSTRUCTED OF MOLDED STONE, UNIT SHALL HAVE 10" HIGH WALLS, NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH DRAIN BODY WITH LOCKNUT, NEOPRENE GASKETS AND COMBINATION DOME STRAINER-LINT BASKET CONSTRUCTED OF 302 16-GAUGE STAINLESS STEEL, T-1540 SUPPLY FITTING WITH VACUUM BREAKER, INTEGRAL STOP, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT AND T-40 MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
EWC	ELECTRIC WATER COOLER: ELKAY EHWF2-8 UNIT SHALL BE CONSTRUCTED OF 18 GAUGE TYPE 304 STAINLESS STEEL, SOLID BRASS "M" BUBBLER, SELF-CLOSING VALVE WITH DUAL LEVER HANDLES, HEMETICALLY SEALED 1/4 HP, 115 VOLT, SINGLE PHASE COMPRESSOR, CAPABLE OF DELIVERING 7.5 GPH OF 50°F WATER AT A ROOM TEMPERATURE OF 90°F, ANGLE SUPPLY WITH LOOSE LKEY STOP, ADJUSTABLE "P" TRAP WITH WASTE TO WALL. UNIT SHALBE COMPLETELY FACTORY PIPED, WIRED AND ASSEMBLED. TRAP 1 1/2" VENT 1 1/2" CW 1/2" HW --
HS	LAVATORY: AMERICAN STANDARD "LUCERNE" 0355.012 VITREOUS CHINA LAVATORY WITH BACK, RECTRANGULAR BASIN, SPLASH LIP, FRONT OVERFLOW, SOAP DEPRESSION, DRILLED FOR J.R. SMITH #6820 FLOOR SUPPORTED CARRIER WITH CONCEALED ARMS, ROYAL BRASS M-906-AM FAUCET WITH 1/2 GPM FLOW RESTRICTOR, 2411.015 DRAIN WITH PERFORATED STRAINER, ANGLE SUPPLIES WITH LOOSE KEY STOP, AND CAST BRASS ADJUSTABLE "P" TRAP WITH WASTE TO WALL, LAVATORY SIZE 20" X 18". INSTALL FOR WHEELCHAIR USE. TRAP 1 1/4" VENT 1 1/2" CW 1/2" HW 1/2"
VS	VEGETABLE SINK: SAME AS SK-2 ABOVE EXCEPT SX-1918 A-GR MODEL SINK SIZE 19"x 21"x 10".
GI	GREASE INTERCEPTOR: J.R. SMITH 8720 CAPABLE OF 20 GPM AND 40 POUNDS OF GREASE, COMPLETE WITH FLOW CONTROL FITTING AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT, COMPLETE WITH EXTENSION AS REQUIRED. 3" INLET, 3" OUTLET. TRAP -- VENT 2" CW -- HW --
FD	FLOOR DRAIN: J.R. SMITH 2010 , CAST IRON BODY WITH NICKLE BRASS STRAINER, CLAMPING COLLAR AND VANDALPROOF SCREWS. TRAP 3" VENT 2" CW -- HW --
FS	FLOOR SINK: J.R. SMITH 4190 12 X 12 X 8, CAST IRON, ACID RESISTING ENAMEL INTERIOR, ALUMINUM DOME STRAINER & NICKEL BRASS TOP, GRATE AS NOTED ON DRAWINGS. TRAP 3" VENT 2" CW -- HW --
WCO	WALL CLEANOUT: J.R. SMITH 4030 C.O. TEE WITH BRASS PLUG AND ROUND STAINLESS STEEL ACCESS COVER WITH VANDALPROOF SCREW.
FCO	FLOOR CLEANOUT: J.R. SMITH 4023 CAST IRON, WITH ROUND NICKEL BRASS SCORIATED TOP AND VANDALPROOF SCREWS.

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THE BURNS PETERS GROUP
ARCHITECTS PLANNERS
[illegible] PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM [illegible] 505 265 3645

NOTES

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS AS BUILT- AUG. 1984

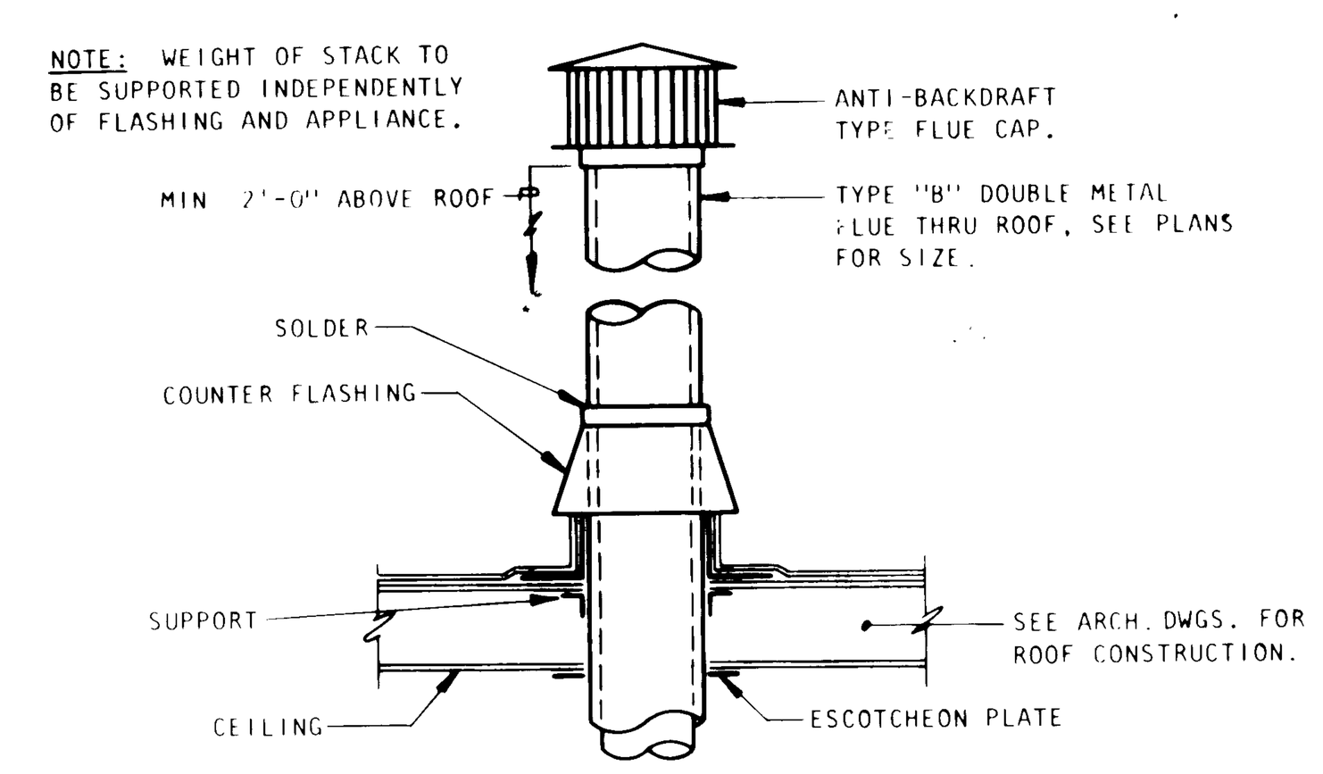
JAMES O. COUTLAND NEW MEXICO 4128 REGISTERED PROFESSIONAL ENGINEER
ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 789 REGISTERED ARCHITECT
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

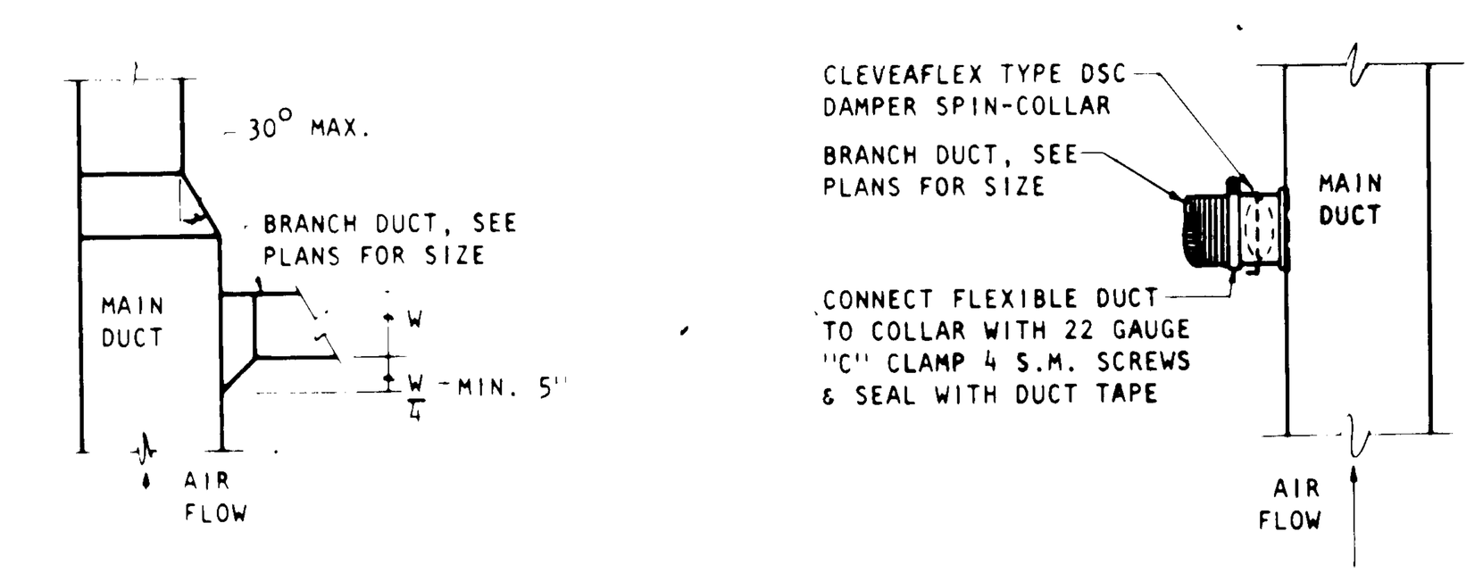
PROJECT NO. 8103
DATE MAY '83

P2
SHEET 30 OF 36



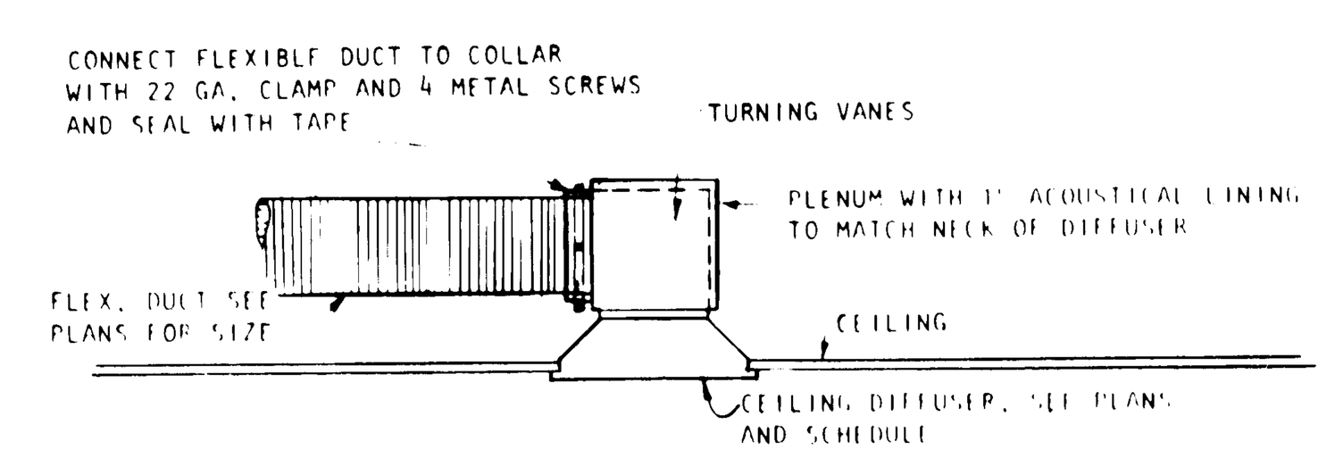
FLUE THRU ROOF DETAIL

SCALE: NONE



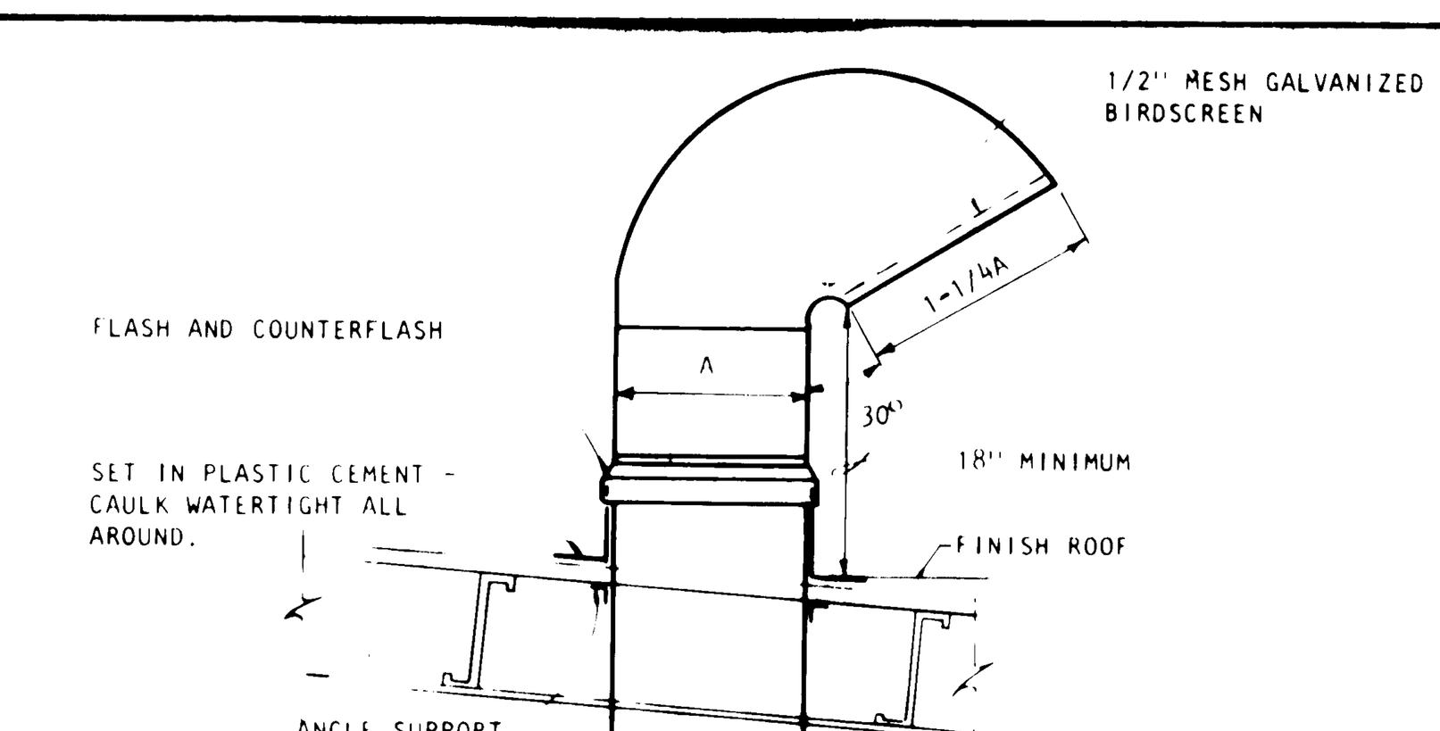
DUCT CONNECTION DETAIL

SCALE : NONE



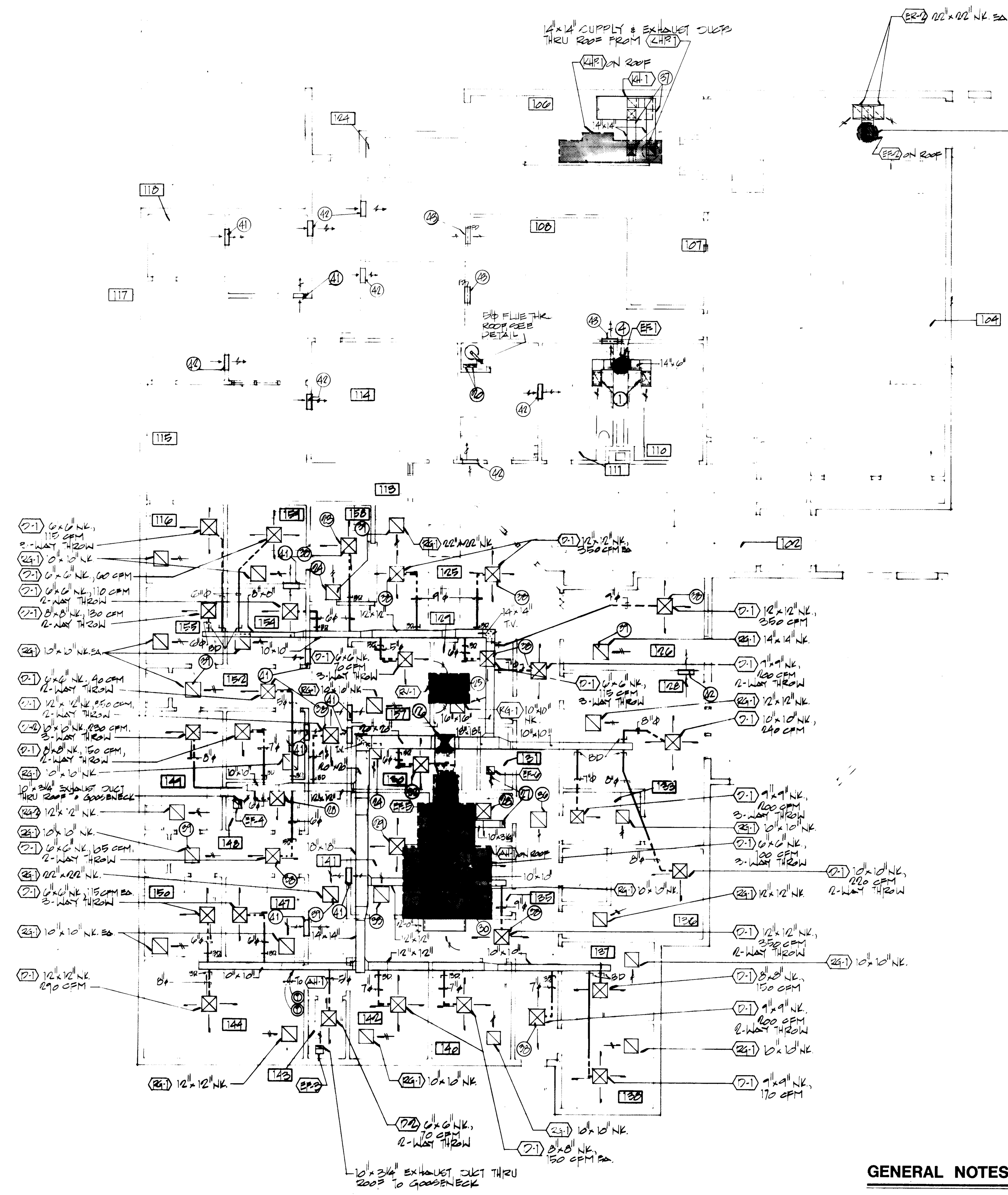
DIFFUSER CONNECTION DETAIL

SCALE : NONE



GOOSENECK DETAIL

SCALE : NONE



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

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

GENERAL NOTES

- ~~SECURE EVAPORATIVE COOLERS TO SKIDS WITH 4" LONG LAG BOLTS (6 REQUIRED). SEE ARCHITECTURAL DRAWINGS FOR SKID DETAIL.~~
- DUCTWORK FROM AH-1 SHALL BE LINED WITH 1" ACCOUSTICAL LINING. THE DIMENSIONS ON THE DRAWINGS SHALL BE CLEAR INSIDE DIMENSION OF THE DUCT WITH ACCOUSTICAL LINING. NOT THE OUTSIDE DIMENSION OF THE SHEETMETAL.
- NOT MORE THAN 5'-0" SECTION OF FLEXIBLE DUCT SHALL BE USED.
- COORDINATE CEILING DIFFUSER WITH CEILING GRID & LIGHTING
- COORDINATE ALL DUCT RUNS WITH STRUCTURAL

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THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N E ALBUQUERQUE NM 87110 505 265 3645

NOTES (O)

1 ER-1 18" X 12" 350 CFM EACH.
2 ~~D-2 8" X 8" NK., 110 CFM. 3-WAY THROW.~~
3 ~~D-2 10" X 10" NK., 250 CFM. 3-WAY THROW.~~
4 12" X 12" EXHAUST DUCT THRU ROOF TO EF-1 .
5 ~~RISE 14" X 14" HEATING DUCT FROM BATHROOM CEILING SPACE TO JOIST SPACE IN MULTI PURPOSE ROOM.~~
6 ~~RISE 12" FLEXIBLE DUCT UP IN JOIST SPACE TO CEILING DIFFUSER.~~
7 ~~D-1 10" X 10" NK., 290 CFM, 2 WAY THROW~~
8 ~~D-1 6" X 6" NK., 70 CFM.~~
9 ~~RISE 10" DIAMETER HEATING DUCT INTO JOIST SPACE TO LOBBY AREA.~~
10 ~~D-1 10" X 10" NK., 240 CFM.~~
11 ~~D-1 6"x6" NK., 85 CFM, 3 WAY THROW.~~
12 ~~D-1 12"x12" NK., 360 CFM, 3 WAY THROW~~
13 ~~60" X 42" OPENING THRU ROOF FROM RV-2 , OPEN TO JOIST SPACE.~~
14 ~~D-1 12" X 12" NK., 300 CFM. 3-WAY THROW.~~
15 ~~D-1 9" X 9" NK., 170 CFM. 3-WAY THROW.~~
16 ~~RG-1 22" X 22" NK.~~
17 ~~20" X 20" HEATING DUCT THRU ROOF FROM F-1, RUN IN JOIST SPACE. ALSO 20"x20" RETURN AIR DUCT THRU ROOF W/ 20"x20" SOUND BOOT W/1" A.L. AND 90° ELBOW.~~
18 ~~DROP 20" X 18" HEATING DUCT FROM JOIST SPACE TO BELOW JOISTS.~~
19 ~~20" X 20" COOLING DUCT THRU ROOF FROM EC-3 .~~
20 (2) 10" X 4" COMBUSTION AIR DUCTS THRU ROOF TERMINATE (1) AT 12" BELOW CEILING, THE OTHER AT 12" ABOVE FINISH FLOOR.
21 ~~D-2 6" X 6" NK., 100 CFM.~~
22 ~~D-2 15" X 15" NK., 475 CFM.~~
23 D-1 6" X 6" NK., 110 CFM. 3-WAY THROW.
24 RG-1 10" X 10" NK.
25 42" X 24" RELIEF AIR OPENING, TERMINATE AT JOIST SPACE.
26 30" X 22" SUPPLY DUCT THRU ROOF FROM AH-1 .
27 10" X 3-1/4" EXHAUST DUCT THRU ROOF TO GOOSENECK.
28 D-2 6" X 6" NK., 100 CFM. 2-WAY THROW.
29 D-2 12" X 12" NK., 400 CFM.
30 66" X 30" RETURN AIR DUCT THRU ROOF TO 60"x30" SOUND BOOT W/1" A.L. W/90° ELBOW.
31 ~~RG-1, 18" x 18" NK.~~
32 D-1, 6"x6" NK., 100 CFM
33 RG-2, 12"x12" NK.
34 ~~D-1, 12"x12" NK, 380 CFM, 3-WAY THROW~~
35 ~~D-1, 6"x6" NK, 85 CFM, 3-WAY THROW~~
36 RG-1 14"x14" NK.
37 KITCHEN HOOD DUCTWORK SHALL BE PER CHAPTER 20 OF THE UMC. SUBMIT SHOP DRAWINGS FOR APPROVAL.
38 INSTALL FIRE DAMPER IN SUPPLY DIFFUSER, SEE DETAIL IN SPECS.
39 INSTALL FIRE DAMPER IN R.A GRILLE, SEE DETAIL IN SPECS.
40 ~~INSTALL FIRE DAMPER IN DUCT AT WALL PENETRATION, SEE DETAIL IN SPECS.~~
41 12"x12" OPENING IN WALL ABOVE CEILING.
42 24"x12" OPENING IN WALL ABOVE CEILING.
43 24"x12" OPENING IN WALL ABOVE CEILING, PROVIDE FIRE DAMPER IN OPENING.

REVISIONS AS BUILT - AUG - 1984

JAMES O. COUPLAND NEW MEXICO 4128 REGISTERED PROFESSIONAL ENGINEER
ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 789 REGISTERED ARCHITECT
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8203
DATE MAY '83

M1

SHEET 31 OF 36

NEW MEXICO ENERGY CONSERVATION CODE ANALYSIS
COUPLAND*POWELL*MORAN AND ASSOCIATES

JOB NAME : MULTI-SERVICE BUILING
LOCATION : ALBUQUERQUE, NEW MEXICO
JOB NUMBER : 82145
ARCHITECT : THE BURNS/PETERS GROUP
BUILDING NAME : MULTI-SERVICE BUILDING

DESIGN CONDITIONS

OUTSIDE CONDITIONS			INSIDE CONDITIONS	
SUMMER:	94 F DB	65 F WB	SUMMER:	78 F DB
WINTER:	16 F DB		WINTER:	70 F DB

AVERAGE THERMAL TRANSMITTANCE

DESCRIPTION		U VALUE	AREA	U*A
WALL	1	0.079	8813	696.2
GLASS	1	0.650	36	23.4
DOOR	1	0.590	147	86.7
TOTALS			8996	806.3

WALL UO = 0.089

DESCRIPTION		U VALUE	AREA	U*A
ROOF	1	0.040	8996	359.8
SKYLIGHT	1	0.590	325	191.7
TOTALS			9321	551.5

ROOF UO = 0.059

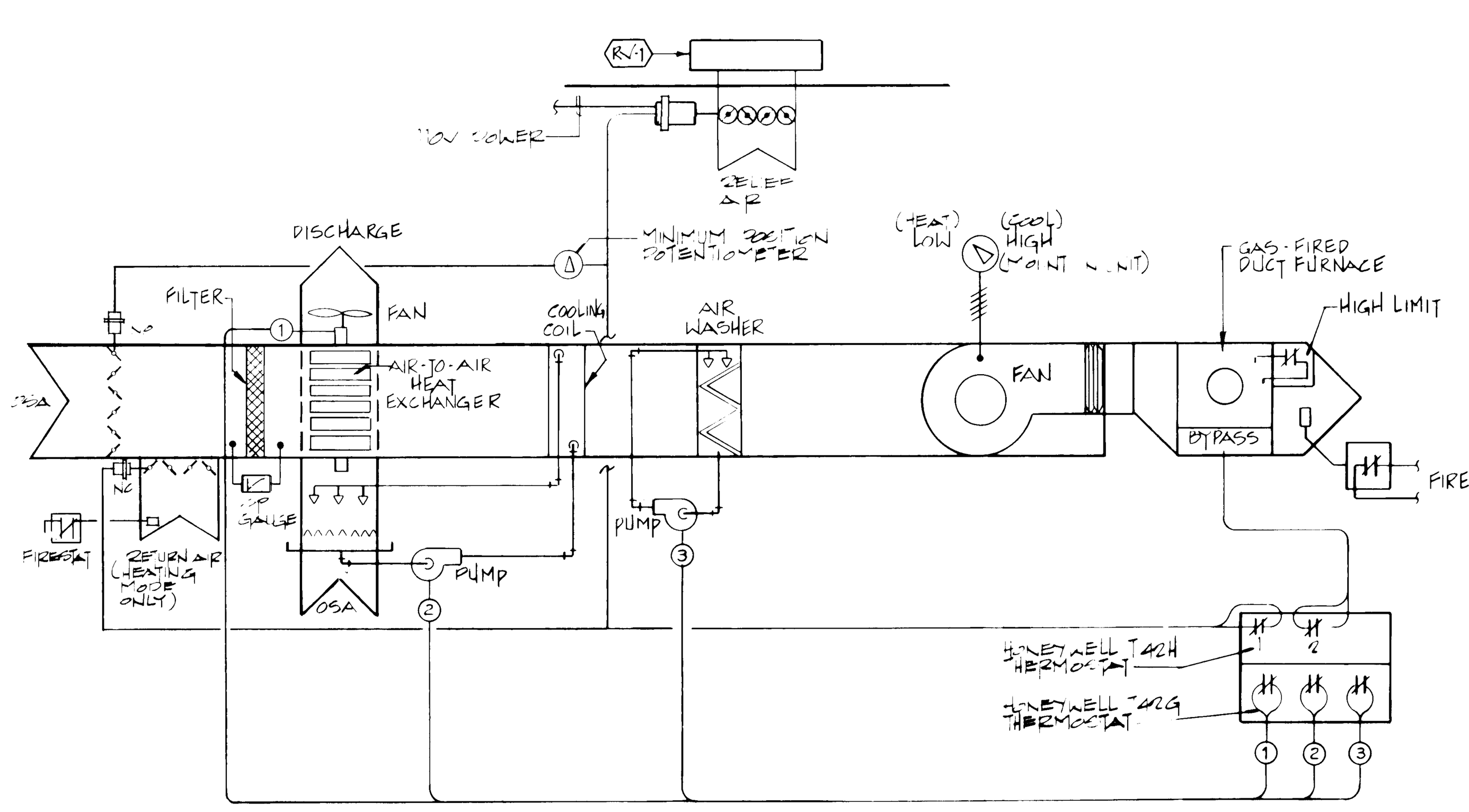
THERMAL TRANSMITTANCE COMPARISON

DESCRIPTION	AREA	U VALUES CALC.	U VALUES CODE	UA(BTU/HR-F) CALC.	UA(BTU/HR-F) CODE	WT. R - VALUE ACTUAL	WT. R - VALUE CODE
EXTERIOR WALLS	8996	.0896	.310	806.3	2788.7	11.15	3.22
ROOF/CEILING	9321	.0591	.050	551.5	466.0	16.89	20.00
SLAB ON GRADE	9321					3.80	3.80
TOTALS				1357.9	3254.8		

OVERALL THERMAL TRANSFER VALUE(OTTV)

INPUT: SOLAR FACTOR = 123.5
SHADING COEFFICIENT GLASS 1 = .95
TD-EQ WALL 1 = 37
TD-EQ DOOR 1 = 30

CALCULATED OTTV = 3.66 BTU/HR-SQ FT
MAX. CODE OTTV = 32.00 BTU/HR-SQ FT



AIR HANDLING SYSTEM ⟨AH-1 & 2⟩ CONTROL SCHEMATIC

SCALE: NONE

EQUIPMENT SCHEDULE (⬡)

SYMBOL	DESCRIPTION
EF-1 & EF-2	EXHAUST FAN: CENTRIFUGAL TYPE WITH SPUN ALUMINUM HOUSING, ALUMINUM CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, NON-OVERLOADING ALL ALUMINUM WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, BACKDRAFT DAMPERS, BIRDSCREEN, DISCONNECT SWITCH, EXTERNAL ALUMINUM WIRING POST, PREFABRICATED SOUND CURB AND WIRING TO JUNCTION BOX. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL	DRIVE	CFM	SP	HP	RPM	V/P	
EF-1	GB-10-4	BELT	700	0.25	1/4	[illegible]	120/1	
EF-2	GB-18-5	BELT	2885	0.25	1/2	855	120/1	TWO SPEED

SYMBOL	DESCRIPTION
EF-3 THRU EF-6	CEILING EXHAUSTER: CEILING MOUNTED EXHAUST FAN COMPLETE WITH FULLY INSULATED HOUSING, CENTRIFUGAL BLOWER WITH DIRECT DRIVE MOTOR, VERTICAL OUTLET, BACKDRAFT DAMPER, AND ALUMINUM GRILLE. MODEL NUMBERS ARE GREENHECK. FURNISH W/ 2DSP

SYMBOL	MODEL	CFM	SP	HP	RPM	V/P
EF-3	SP-15	100	1/10	1/150	[illegible]	120/1
EF-4	SP-15	[illegible]	[illegible]	[illegible]	[illegible]	120/1
EF-5	SP-15	[illegible]	[illegible]	[illegible]	[illegible]	120/1
EF-6	SP-15	[illegible]	[illegible]	[illegible]	[illegible]	120/1

SYMBOL	DESCRIPTION
EC-1 THRU EC-4 N.I.C.	EVAPORATIVE COOLER: [illegible] TYPE EVAPORATIVE COOLER COMPLETE WITH CABINET, FILTER PAD FRAMES, BLOWER WHEEL, BLOWER HOUSING, WATER DISTRIBUTION TROUGH, BLOWER MOTOR, FLOAT VALVE, RECIRCULATING WATER PUMP, BLEEDOFF ASSEMBLY, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. THE CABINET SHALL BE CONSTRUCTED OF HEAVY GAUGE HOT DIPPED GALVANIZED STEEL WITH ALL SUPPORTS OF WELDED CONSTRUCTION. THE ENTIRE WATER RESERVOIR SHALL BE COATED WITH A PROTECTIVE ASPHALT COATING. COOLER EXTERIOR SHALL BE FINISHED WITH A FACTORY APPLIED ENAMEL FINISH. BLOWER MOTOR: SHALL BE SPECIFICALLY DESIGNED FOR USE ON EVAPORATIVE COOLER APPLICATION WITH BEARINGS PERMANENTLY LUBRICATED AND SHALL BE FURNISHED WITH AN ADJUSTABLE SHEAVE. RECIRCULATING WATER PUMP SHALL HAVE PERMANENTLY LUBRICATED BRONZE BEARINGS, WATERPROOF INSULATION AND WATER SHIELD [illegible]. FURNISH COMPLETE WITH SHEET METAL WINTERIZING PANEL WITH NEOPRENE GASKET AND [illegible] FOR INSTALLATION. MODEL NOS. ARE MCGRAW-[illegible]. [illegible] BY ARCHITECT.

SYMBOL	MODEL	CFM	[illegible]	[illegible]	VOLT	PHASE	SPEED
EC-1	ED[illegible]	5500	[illegible]	[illegible]	12[illegible]	1	SINGLE
EC-2	ED630	[illegible]	[illegible]	[illegible]	12[illegible]	1	SINGLE
EC-3	ED630	3500	0.5	[illegible]	12[illegible]	1	SINGLE
EC-4	ED830	4240	0.5	1	12[illegible]	1	SINGLE

SYMBOL	DESCRIPTION
KH-1	KITCHEN HOOD: WALL TYPE, EXPOSED CANOPY INCLUDING TRIM AND LINER CONSTRUCTED OF 18 GAUGE, GALVANIZED STEEL. ALUMINUM GREASE FILTERS, 20" X 16", TOP OF CANOPY SHALL BE FRAMED SUITABLE FOR ATTACHING TO JOIST USING THREADED RODS OR TURNBUCKLES. THE HOOD SHALL HAVE THE CAPABILITY TO INTRODUCE UNTEMPERED AIR UNDER THE HOOD TO REDUCE THE QUANTITY OF TEMPERED AIR BEING REMOVED FROM THE BUILDING. HOOD LIGHTS SHALL BE U.L. APPROVED, VAPORPROOF, INCANDESCENT WITH GLASS GLOBES AND WIRED GAURDS MOUNTED AT 36" INTERVALS, PREWIRED TO A SWITCH, FLUSH MOUNTED ON FACE OF HOOD. UNIT SHALL HAVE 24 VOLT CONTROLS MOUNTED ON THE FACE OF THE CANOPY WITH SEPARATE SWITCHING FOR LIGHTS, SUPPLY AIR FAN AND EXHAUST FAN, WITH PILOTS. FURNISH UNIT WITH A COMPLETE AUTOMATIC FIRE CONTROL SYSTEM IN ACCORDANCE WITH NFPA 96 AND ALL LOCAL CODES. CONSTRUCTION SHALL CONFORM WITH NFPA STANDARD NO. 96 AND BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL. GREENHECK MBSW WITH 3'-10" CAPTURE DEPTH AND 7' LONG FOR KH-1.
KHP-1	KITCHEN HOOD FAN PACKAGE: PRE-ENGINEERED COMBINATION EXHAUST AND SUPPLY FAN PACKAGE. THE FAN PACKAGE SHALL BE A COMPLETE ASSEMBLY CONTAINING BOTH EXHAUST AND SUPPLY FAN COMPONENTS MANUFACTURED BY A SINGLE MANUFACTURER. THE CONTROL CENTER SHALL INCLUDE INTERNALLY PREWIRED MOTOR STARTERS WITH THERMAL OVERLOADS, FUSED 24-VOLT CONTROL TRANSFORMER, MASTER FUSED DISCONNECT SWITCH, MOTORS AND DISTRIBUTION TERMINAL STRIP FOR A ONE-POINT POWER CONNECTION. ALL ELECTRICAL COMPONENTS SHALL BE U.L. LISTED, APPROVED OR CLASSIFIED WHERE APPLICABLE AND WIRED PER NEC. THE EXHAUST FAN SECTION SHALL BE OF THE VERTICAL DISCHARGE, ALUMINUM POWER ROOF VENTILATOR TYPE. UNIT SHALL BE BELT DRIVEN WITH A BACKWARD INLINED CENTRIFUGAL TYPE WHEEL WHICH OVERLAPS THE INLET CONE. MOTOR AND DRIVE SHALL BE COMPLETELY SEALED FROM THE EXHAUST AIR. UNIT SHALL HAVE A DISCHARGE BIRDSCREEN AND PERIMETER GREASE GUTTER WITH DRAIN SPOUT. THE SUPPLY FAN SECTION SHALL BE OF THE SQUARE INLINE CENTRIFUGAL TYPE. UNIT SHALL BE BELT DRIVEN WITH A BACKWARD INCLINED CENTRIFUGAL WHEEL WHICH OVERLAPS THE INLET CONE. MOTOR AND DRIVE SHALL BE COMPLETELY SEALED FROM THE AIR STREAM. A HINGED DOOR SHALL SUPPORT THE ENTIRE DRIVE ASSEMBLY AND WHEEL ALLOWING THE ASSEMBLY TO SWING OUT FOR CLEANING, INSPECTION, OR SERVICE WITHOUT DISMANTLING THE SUPPLY UNIT IN ANY WAY. THE SUPPLY SECTION SHALL HAVE WASHABLE 1" THICK ALUMINUM MESH FILTERS AND A REMOVABLE EXPANDED METAL BIRDSCREEN. HEAVY GAUGE ADJUSTABLE ANGLE IRON SUPPORT LEGS SHALL BE FURNISHED AS REQUIRED. ALL EXTERIOR HOUSING COMPONENTS SHALL BE CONSTRUCTED OF HEAVY GAUGE GALVANEAL STEEL AND PAINTED WITH A WEATHERPROOF FINISH. PROVIDE PRE-FAB CURB AND MOTORIZED SUPPLY DAMPER. GREENHECK MFP-1410.

SYMBOL	FAN	CFM	STATIC PRESS., IN. WG	MOTOR HP	FAN SPEED	V/P
KHP-1	EXHAUST	1350	0.75	3/4	1190	208/3/60
KHP-1	SUPPLY	1100	0.375	1 1/2	605	208/3/60

SYMBOL	DESCRIPTION
F-1 N.I.C.	FURNACE: ROOF MOUNTED, NATURAL VENTING, NATURAL GAS FIRED, ALUMINIZED STEEL HEAT EXCHANGER 24V CONTROLS, REMOTE THERMOSTAT, ROOF CURB, FILTERS AND RACK, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT, STERLING RTB-200-BORS WITH 200,000 BTUH S.L. INPUT ORIFICED FOR ELEVATION, CAPABLE OF 3350 CFM AT 1/2" S.P. WITH 1 H.P., 120V, SINGLE PHASE MOTOR.
AH-1 & AH-2	AIR HANDLING SYSTEM: DRAW THRU TYPE, MODIFIED HORIZONTAL ARRANGEMENT, COMPLETE WITH FAN SECTIONS, AIR WASHER SECTION, INDIRECT COOLER SECTION, AIR FILTER SECTION, OUTSIDE AIR INTAKE, MIXING SECTION AND GAS FIRED FURNACE. CONTROLS HOUSING SECTION, AND ALL DAMPERS AND ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT, ALL COMPLETELY WEATHERPROOFED HAVING A FIBERGLASS INSULATION, AND SUITABLE FOR OUTDOOR INSTALLATION. ALL INTERNAL WIRING SHALL BE FACTORY WIRED AND TERMINATED IN A WEATHERTIGHT JUNCTION BOX LOCATED OUTSIDE THE UNIT. PROVIDE ALL STARTERS AND FUSED DISCONNECT FOR UNIT. FAN SECTIONS: SHALL BE CONSTRUCTED OF GALVANIZED IRON FRAME CONSTRUCTION HAVING GALVANIZED BASE RAILS. PANELS SHALL BE MINIMUM 16 GA. GALVANIZED IRON AND SHALL BE INSULATED WITH GLASS FIBER. SUPPLY FANS SHALL BE DOUBLE WIDTH, DOUBLE INLET CENTRIFUGAL WITH FORWARD CURVED FAN BLADES. FAN ASSEMBLIES SHALL BE FURNISHED WITH INTERNAL SPRING VIBRATION ISOLATORS (SI). ISOLATORS SHALL BE SIZED TO ISOLATE 95% OF THE LOWEST DISTURBING FREQUENCY. BLOWERS: SHALL HAVE V-BELT DRIVES RATED AT 150% OF MOTOR HP. BEARINGS SHALL BE SELF-ALIGNING, GREASE LUBRICATED, HAVING A SERVICE LIFE OF 200,000 HOURS MIN, LUBE LINES FOR INTERNAL BEARINGS SHALL BE EXTENDED TO THE OUTSIDE OF THE FAN HOUSING AND PROVIDED WITH GREASE FITTINGS. SECONDARY AIR EXHAUST FAN: SHALL BE A DIRECT DRIVEN PROPELLER TYPE WITH TEARDROP SHAPED ALUMINUM BLADES ATTACHED TO A FORMED STEEL HUB. THE ENTIRE ASSEMBLY SHALL BE PRECISION BALANCED FOR SMOOTH OPERATION. AN ALL WELDED STEEL FRAME SHALL SECURE THE FAN AND MOTOR TO A STEEL VENTURI PANEL FORMED WITH A DEEP STREAMLINED ORIFICE FOR HIGH PERFORMANCE. THE ENTIRE FAN ASSEMBLY SHALL BE EPOXY COATED PRIOR TO THE APPLICATION OF A BAKED ENAMEL FINISH. ALL MOTORS SHALL BE TOTALLY ENCLOSED WITH LUBRICATED SEALED BALL BEARINGS. PROVIDE FAN GUARD ON EXTERIOR. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE SIZE SHEAVE ON THE MOTOR AS REQUIRED TO MEET THE SPECIFIED AIR QUANTITY AS DETERMINDED DURING THE FINAL AIR BALANCE OF THE SYSTEM. COIL SECTIONS: SHALL BE GALVANIZED STEEL CONSTRUCTION WITH REMOVABLE PANELS. DRAIN PANS FOR COOLING COILS SHALL BE GALVANIZED STEEL WITH A DRAIN CONNECTION ON EACH SIDE OF THE UNIT, 1" INSULATION SHALL BE PROVIDED BETWEEN THE DRAIN PAN AND THE BOTTOM PANEL OF THE COIL SECTION. ALL PANELS SHALL HAVE GLASS FIBER INSULATION. COILS SHALL BE CONSTRUCTED OF 5/8" OC X .020" COPPER TUBES AND ALUMINUM PLATE TYPE FINS, COPPER HEADERS AND GALAVANIZED IRON CASINGS. AIR WASHER SECTION: SHALL EMPLOY A MEDIA IN WHICH ONE CUBIC FOOT OF MEDIA PROVIDES A MINIMUM OF 125 SQ. FT. OF EVAPORATIVE SURFACE. THE MEDIA SHALL BE NON-CLOGGING, AND PRODUCE NO WATER CARRY-OVER AT AIR VELOCITIES AS HIGH AS 700 FT/MIN. THE AIR WASHER SECTION SHALL BE GALVANIZED STEEL CONSTRUCTION WITH REMOVABLE PANELS, 1" INSULATION SHALL BE PROVIDED BETWEEN THE PAN AND BOTTOM PANEL OF THE SECTION, AND ALL PANELS SHALL HAVE GLASS FIBER INSULATION. EACH SECTION SHALL BE EQUIPPED WITH A WATER MAKE-UP VALVE ASSEMBLY HAVING A COPPER FLOAT, A COMBINATION DRAIN AND OVERFLOW FITTING, A WATER SUMP CONSTRUCTED OF 3/16" GALVANIZED STEEL, A CONTROLLED BLEED OFF ASSEMBLY, A SUBMERSIBLE PUMP ASSEMBLY, A HOSE BIBB LOCATED INSIDE THE UNIT, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE AND CAREFULLY COORDINATED UNIT. INDIRECT SECTION: THE INDIRECT SECTION SHALL CONSIST OF A SHELL AND TUBE AIR-TO-AIR HEAT EXCHANGER AND A COMPLETE SECONDARY EVAPORATIVE COOLING SYSTEM. THE HEAT EXCHANGER SHALL HAVE A MINIMUM EFFICIENCY OF 50% WHEN PASSING SYSTEM AIR THROUGH THE TUBES AND EVAPORATIVELY COOLED AIR THROUGH THE SHELL. COMPONENTS SHALL INCLUDE THE SHELL AND TUBE HEAT EXCHANGER, EVAPORATIVE MEDIA, RECIRCULATING PUMP WITH SUCTION STRAINER, HEAVY GAUGE SUMP, DRAIN, OVERFLOW, AUTOMATIC FILL AND LEVEL CONTROL, SECONDARY AIR EXHAUST FAN, AND ALL REQUIRED INTERNAL PIPING. COMPONENTS SHALL BE HOUSED IN A COMMON ENCLOSURE. DAMPERS: SHALL BE OPPOSED BLADE DAMPERS WITH EXTENDED SHAFTS AND BLADE SEALS AND END GASKETS. BLADES SHALL BE 16 GAUGE GALVANIZED IN A 2" STEEL FRAME, 7/16 OILLITE BRONZE BEARINGS. FILTERS: SHALL BE INSTALLED WITH CAREFUL ATTENTION TO EDGE SEAL TO INSURE MINIMUM FILIER AIR BY-PASS. FILTERS SHALL BE EQUAL TO FARR 30/30 2" THICK CELLS. SECTIONS: SHALL FIT TOGETHER TO FORM AN INTEGRAL, SELF-CONTAINED, COMPLETE, AND CAREFULLY COORDINATED UNIT. PHYSICAL ARRANGEMENT AND DIMENSIONS AS SHOWN ON THE DRAWINGS SHALL BE ADHERED AS CLOSELY AS POSSIBLE. ALL SECTIONS SHALL BE LINED WITH 1" THICK NEOPRENE COATED FIBERGLASS INSULATION. ALL SUPPLY AND RETURN OPENINGS IN THE FLOOR OF THE UNIT SHALL BE COVERED WITH HEAVY EXPANDED METAL COVERS. ALL SECTIONS SHALL MOUNT ON A CROSS CHANNEL BRACED HEAVY CHANNEL FRAME WITH LIFTING LUGS WELDED ON. A FACTORY CURB SHALL BE FURNISHED TO SUPPORT THE UNIT ON LEVEL, AND CURB CAPS AND VINYL SEAL STRIPS SHALL BE FURNISHED TO MAKE THE UNIT AIR AND WEATHER TIGHT. ALL SECTIONS CONTAINING DRAIN PANS, WATER SUMPS OR HAVING WATER OR DRAIN LINES SHALL BE PROTECTED BY A SECOND DRAIN PAN OR PANS WITH SEPERATE DRAIN CONNECTIONS. PROVISION SHALL BE MADE SO THAT ALL SUPPLY, RETURN, DRAIN AND OTHER REQUIRED LINES MAY ENTER THE UNIT WITHIN THE CURB OPENING AT ONE POINT. THIS UTILITY PORT SHALL BE FURNISHED WITH A SPLIT AIR TIGHT COVER. THE WATER SUPPLY LINES WITHIN THE UNIT SHALL BE PREPIPED TO ALL SECTIONS WITH A SINGLE SUPPLY CONNECTION. ALL SUPPLY LINLES WITHIN THE UNIT SHALL SLOPE BACK TOWARD THE SINGLE SUPPLY CONNECTION. THE MAIN DRAIN, BLEED OFF, AND OVERFLOW LINES FROM EACH SECTION SHALL BE PREPIPED WITH A SINGLE DRAIN CONNECTION. THE SAFETY DRAIN PANS SHALL BE PROVIDED WITH A SEPERATE DRAIN CONNECTION. CASING: BASING SHALL BE STANDARD 15 GAUGE GALVANIZED CONSTRUCTION WITH 1" FIBER GLASS INSULATION INSIDE AND ARCHITECT SELECTED COLOR ENAMEL FINISH OUTSIDE. PROVIDE LOCK HARDWARE ON ALL DOORS. FURNACE: ROOF MOUNTED. NATURAL VENTING, NATURAL GAS FIRED, ALUMINZED STEEL HEAT EXCHANGER 24V CONTROLS, REMOTE THERMOSTAT, ROOF CURB, FILTERS AND RACK, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT, STERLING RTB-200D WITH 200,000 BTUH S.L. INPUT ORIFICED FOR ELEVATION, WITH 6" BY-PASS. EACH UNIT SHALL CONTAIN A HOSE BIBB AND 120V WEATHERPROOF CONVENIENCE OUTLET. EACH SECTION SHALL BE LIGHTED WITH A WEATHERPROOF SWITCH LOCATED IN THE UNIT. THE SUMMER DESIGN CONDITIONS ARE 94° DB, 65° WB AT 5310 FEET ELEVATION. EACH UNIT SHALL BE CAPABLE OF DELIVERY 60°DB AIR AT THESE CONDITIONS IN THE AIR QUANTITIES LISTED BELOW. ALL RECIRCULATING PUMPS ARE 115V/1/60HZ. ALL FAN MOTORS ARE 208/3/60HZ SELECTION BASED ON DES CHAMPS. SUPPLY FAN MOTOR SHALL BE TWO SPEED, DOUBLE WINDING.

DIRECT SECTION

	SUPPLY FAN					PUMP		
SYMBOL	CFM	SP	BHP	HP	FLA	HP	FLA	DES CHAMPS NO.
AH-1	7225	3.2	5.0	5	15.2	1/3	9.6	PIDC-8
AH-2	10,160	3.3	7.2	7½	22.0	1/3	9.6	PIDC-10

INDIRECT SECTION

	FAN		PUMP	
SYMBOL	HP	FLA	HP	FLA
AH-1	2(1/2)	9.8	1/3	9.6
AH-2	2(1/2)	9.8	1/3	9.6

SYMBOL	DESCRIPTION
RV-1 & RV-2	ROOF VENTILATOR: GREENHECK FABRA-HOOD RELIEF VENTILATOR, RELIEF VENTS SHALL BE RECTANGULAR TYPE, ALL ALUMINUM CONSTRUCTION, LOW SILHOUETTE WITH INTEGRAL CURB CAP COMPLETE WITH BIRD AND INSECT SCREEN, FACTORY FURNISHED PREFAB ROOF CURB, URETHANE FOAM INSULATION ON COVER AND MOTORIZED DAMPER. SEE PLANS FOR SIZES.

GRILLES AND REGISTERS (⬡)

SYMBOL	DESCRIPTION
D-1	SUPPLY DIFFUSER: KRUEGER SERIES 1100, MODEL 1100 PERFORATED FACE SUPPLY DIFFUSER WITH CONCEALED HINGE, 24" X 24" FRAME 23 FOR LAY-IN TEE-BAR CEILING. UNIT SHALL BE FURNISHED WITH FACTORY APPLIED WHITE ENAMEL FINISH. SEE PLANS FOR SIZE AND DEFLECTION.
RG-1 & ER-2	RETURN AIR GRILLE: KRUEGER SERIES 1100, MODEL 1100 PERFORATED FACE SUPPLY DIFFUSER WITH CONCEALED HINGE, 24" X 24" FRAME 23 FOR LAY-IN TEE-BAR CEILING. UNIT SHALL BE FURNISHED WITH FACTORY APPLIED WHITE ENAMEL FINISH. SEE PLANS FOR SIZE AND DEFLECTION.
D-2	SUPPLY DIFFUSER: KRUEGER SERIES 1100, MODEL C1100 PERFORATED FACE SUPPLY DIFFUSER WITH CONCEALED HINGE, FRAME 22 FOR SURFACE MOUNT. UNIT SHALL BE FURNISHED WITH FACTORY APPLIED WHITE ENAMEL FINISH. SEE PLANS FOR SIZE AND DEFLECTION. FURNISH W/OBD
RG-2	RETURN AIR GRILLE: KRUEGER SERIES 1100, MODEL C1100 PERFORATED FACE SUPPLY DIFFUSER WITH CONCEALED HINGE, FRAME 22 FOR SURFACE MOUNT. UNIT SHALL BE FURNISHED WITH FACTORY APPLIED WHITE ENAMEL FINISH. SEE PLANS FOR SIZE AND DEFLECTION.
ER-1	EXHAUST GRILLE: KRUEGER SERIES S80 H RETURN AIR GRILLE. STATIONARY DEFLECTING VANES SPACED ON 3/4" CENTERS ARE SET AT A 35 DEGREE ANGLE TO RESTRICT VISION. UNIT SHALL BE ALL STEEL CONSTRUCTION WITH FACTORY APPLIED WHITE ENAMEL FINISH. SEE PLANS FOR SIZE.

26 1589 3284

THE BURNS/PETERS GROUP
ARCHITECTS/PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 (505) 265-3645

NOTES

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
12 SEPT 84

REVISIONS AS BUILT - AUG 1984

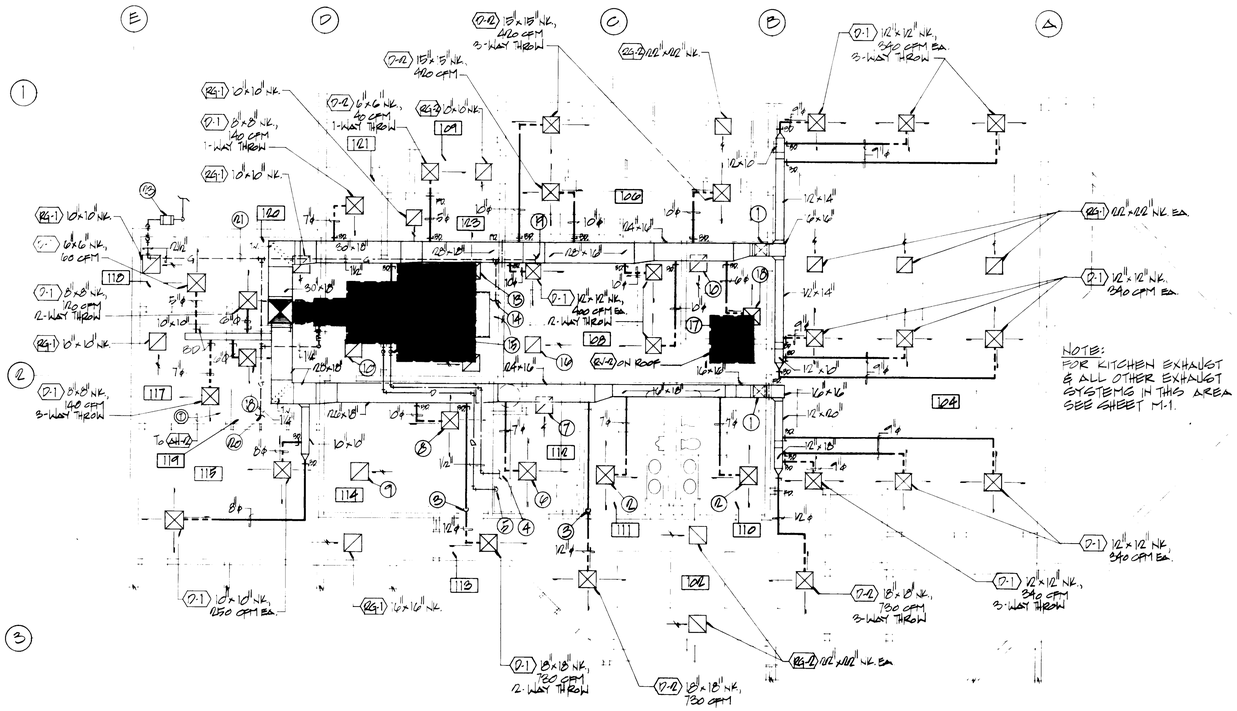
JAMES O. COUPLAND NEW MEXICO 4128 REGISTERED PROFESSIONAL ENGINEER
ENGINEER 02145
STATE OF NEW MEXICO RONALD L. PETERS NO. 789 REGISTERED ARCHITECT
ARCHITECT

THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

M2

SHEET 32 OF 36



PARTIAL PLAN—MECHANICAL—ALTERNATE NO 2

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

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 505) 265-3645

NOTES (○)

1 RISE 16"x16" SUPPLY DUCT UP BETWEEN JOISTS.

2 D-2 9"x9" NK., 185 CFM. 3-WAY THROW.

3 RISE 12"ø FLEXIBLE DUCT UP IN JOIST SPACE OVER TO CEILING DIFFUSER.

4 ¾" CW LINE RUN IN CEILING SPACE TO AH-2 ON ROOF, SEE SHEET P-1

5 ¾" DRAIN LINE RUN IN CEILING SPACE FROM AH-2 DOWN IN WALL TO MOP BASIN.

6 D-2 9"x9" NK., 190 CFM, 3-WAY THROW.

7 RG-2 10"x10" NK.

8 D-1 12"x12" NK., 370 CFM.

9 RG-1 14"x14" NK.

10 RG-1 10"x10" NK.

11 ¾" CW & DRAIN LINE THRU ROOF TO AH-2 ON ROOF.

12 D-1 8"x8" NK., 130 CFM, 2-WAY THROW.

13 D-1 8"x8" NK., 140 CFM, 2-WAY THROW.

14 1" GAS LINE TO WH-1 SAME AS ON PLUMBING PLAN SHEET P-1.

15 60"x24" RETURN AIR DUCT THRU ROOF TO 60"x24" SOUND BOOT W/1 A.L. W/90° ELBOW BELOW JOISTS.

16 RG-1 22"x22" NK.

17 42"x36" RELIEF AIR OPENING THRU ROOF TO RV-2 ON ROOF.

18 D-1 8"x8" NK., 120 CFM. 2-WAY THROW.

19 1½" GAS LINE TO KITCHEN RANGE SAME AS ON PLUMBING PLAN SHEET P-1.

20 1½" GAS LINE TO AH-1 SAME AS ON PLUMBING PLAN SHEET P-1.

21 GAS PIPING ON ROOF SUPPORT ON 4"x4" TREATED WOOD SKIDS AT 10'-0" O.C.

22 32"x32" THRU ROOF BETWEEN JOISTS TO AH-2 ON ROOF.

23 SAME AS NOTE 13 ON PLUMBING PLAN SHEET P-1.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWINGS
DATE 12 SEPT 84

REVISIONS AS BUILT-AUG-1984

JAMES O. COUPLAND NEW MEXICO 4129 REGISTERED PROFESSIONAL ENGINEER
ENGINEER

ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO.

DATE MAY '83

M3

SHEET 33 OF 36

26 1589 3384

ROOM FINISH SCHEDULE

RM. NO.	ROOM NAME	FLOOR 1. CARPET	FLOOR 2. V.C.T.	FLOOR 3. NOT USED	FLOOR 4. QUARRY TILE	BASE 5. 4" VINYL	WALLS 8. GYP BD/SEMI-GLOSS PT.	WALLS 9. GYP. BD. HIGH GLOSS P.	WALLS 10. ... WALL SEMI-GLOSS	WALLS 11. EXPOSED CMU	WALLS 12. W.R. GYP BD/SEMI-GLOSS	WALLS 13. MASONITE OR EQUAL	CEILING 14. GYP. BD.	CEILING 15. 2x2 LAY-IN	CEILING 16. 2x4 LAY-IN	CLG. HT.	REMARKS
101	VESTIBULE		2			5				11			14			8'-0"	
102	LOBBY	1				5	8						14			10'-0"	*
103	VENDING		2			5	8								16	8'-0"	*
104	MULTI-PURPOSE		2			5	8		10				14	15		10'-0"	*
105	STORAGE		2			5	8		10				14			8'-0"	*
106	KITCHEN				4	5	8		10			13	14			8'-0"	*/**
107	OFFICE	1				5	8								16	8'-0"	*
108	GAMEROOM		2			5	8						14	15		8'-0"	*
109	STORAGE		2			5	8						14			8'-0"	*
110	WOMEN				4	5	CERAMIC TILE				12		14			8'-0"	**
111	MEN				4	5	CERAMIC TILE				12		14			8'-0"	**
112	JAN STOR.		2			5					12		14			8'-0"	**/*
113	CORRIDOR	1				5	8							15		8'-0"	*
114	CONFERENCE	1				5	8								16	8'-0"	
115	EOB WAITING	1				5	8		10					15		8'-0"	*
116	OFFICE	1				5	8		10						16	8'-0"	
117	EOB DIRECTOR	1				5	8		10						16	8'-0"	
118	STORAGE		2			5	8		10						16	8'-0"	*
119	SEC/RECEPT.	1				5	8								16	8'-0"	*
120	DIRECTOR	1				5	8		10						16	8'-0"	
121	CORRIDOR	1				5	8		10					15		8'-0"	*
122	OFFICE	1				5	8								16	8'-0"	
123	OFFICE	1				5	8		10						16	8'-0"	
124	STORAGE		2			5	8						14			8'-0"	*
125	WAITING	1				5	8						14	15		8'-0"	*
126	CHILDREN'S RM.	1				5	8		10						16	8'-0"	*
127	CORRIDOR	1				5		9					14	15		8'-0"	*
128	GROUP CONF	1				5	8		10						16	8'-0"	
129	RECEPTION	1				5	8								16	8'-0"	*
130	STORAGE		2			5	8								16	8'-0"	*
131	JANITOR		2			5	8				12		14			8'-0"	**/*
132	TOILET		2			5	8				12		4			8'-0"	**
133	KITCHEN		2			5	8								16	8'-0"	
134	CLOTHING BANK		2			5	8						14			8'-0"	*
135	NURSES STATION		2			5	8								16	8'-0"	
136	SOCIAL WORKER	1				5	8		10						16	8'-0"	
137	EXAM OFFICE	1				5	8		10						16	8'-0"	
138	EXAM OFFICE	1				5	8		10						16	8'-0"	
139	CORRIDOR	1				5		9					14	15		8'-0"	*
140	EXAM OFFICE	1				5	8		10						16	8'-0"	
141	LABORATORY		2			5	8						14			8'-0"	
142	STAFF ROOM		2			5	8		10						16	8'-0"	
143	STAFF TOILET		2			5			10		12		14			8'-0"	**
144	NURSE'S OFFICE	1				5	8		10						16	8'-0"	
145	CORRIDOR	1				5		9					14	15		8'-0"	*
146	CORRIDOR	1				5		9					14	15		8'-0"	*
147	EXAM	1				5	8								16	8'-0"	
148	TOILET					5	8				12		14			8'-0"	**
149	LABORATORY		2			5	8		10				14			8'-0"	
150	EXAM	1				5	8		10						16	8'-0"	
151	STORAGE		2			5	8		10				14			8'-0"	*
152	CORRIDOR	1				5		9						15		8'-0"	*
153	HEIGHT WEIGHT		2			5	8								16	8'-0"	
154	INTERVIEW	1				5	8								16	8'-0"	
155	INTERVIEW	1				5	8		10						16	8'-0"	
156	PHONE BD.		2			5	8		10				14			8'-0"	
157	W.I.C.	1				5	8								16	8'-0"	
158	RECEPTION	1				5	8								16	8'-0"	*
159	STORAGE		2			5	8								16	8'-0"	
160	CLOSET		2			5					12		14			8'-0"	*

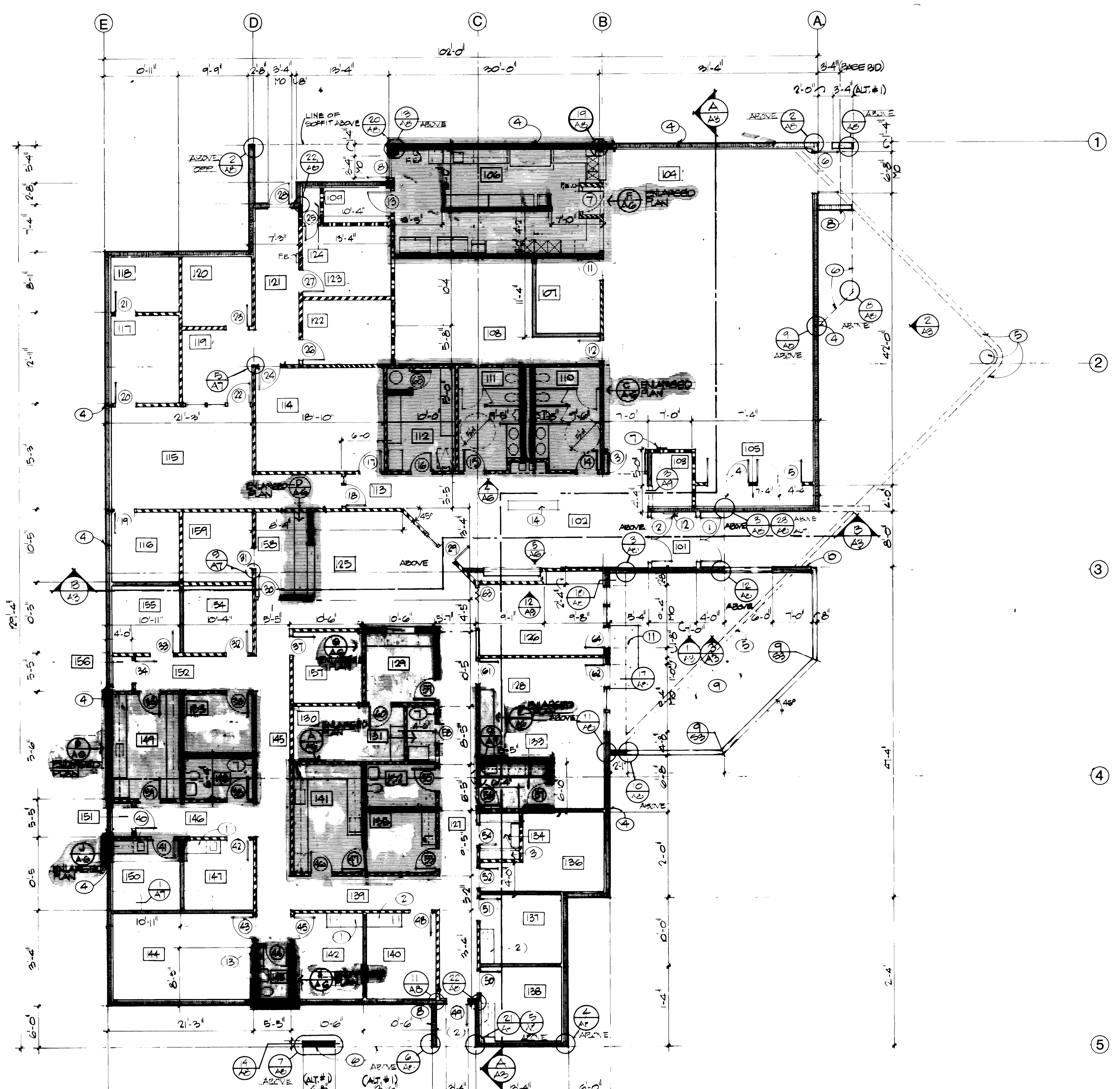
* 1-HOUR ROOF CEILING ASSEMBLY

* * SEE ENLARGED PLANS FOR EXTENT OF WR GYP BD.

NOTE :

ALL FIXTURES PENETRATING 1 HR. CEILING ASSEMBLIES SHALL CONFORM TO UL FIRE RESISTANCE RATING DESIGN NO. P209

SEE SHT A5 FOR REFLECTED CEILING PLAN



NOTE: ARCHITECTURAL PLAN ILLUSTRATES EXTERIOR MODULATIONS AND DIMENSIONS REQUIRED FOR ALTERNATE #1. FOR DIMENSIONS AND LOCATIONS OF SOUTHERN & EASTERN EXTERIOR WALLS SEE FOUNDATION PLAN SHEET S-1.

PLAN - ARCHITECTURAL

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

WALL SCHEDULE

- 1-HOUR CORRIDOR & STORAGE WALLS 5/8" TYPE X GYP BD EACH SIDE OF 3 5/8" METAL STUDS @ 24" O.C. AS PER GA# WP 1200, TO ROOF DECK.
- 1-HOUR AREA SEPARATION WALL SAME CONSTRUCTION AS ABOVE, GA# WP 1200, TO ROOF DECK.
- INSULATION/GYP BD SANDWICH APPLIED DIRECTLY TO CMU
- 5/8" GYP BD APPLIED BOTH SIDES OF 3 5/8" METAL STUDS @ 24" O.C.

26 1580 1684

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

NOTES

1. CABINETRY SIMILAR, OR OPPOSITE, TO 150 EXAM, SEE J/A6.
2. CABINETRY SIMILAR, OR OPPOSITE, TO 135 NURSES STATION, SEE A/A6
3. 3/4" PW SHELF W/H.W. EDGE AND 1"Φ HANGER ROD.
4. MASONRY CONTROL JOINT - SEE SHT. S/1
5. PIPE/SCREEN ABOVE, & CONC. COL ALT. # 1 ONLY - SEE SHTS A/2.5 & S/7
6. FASCIA/CANOPY EXTENSION, ALT. # 1 ONLY - SEE SHTS. A/2.5 & S/7.
7. FIRE EXTINGUISHER & SEMI-RECESSED CABINET, AS PER SPEC; SEE 9/A7
8. CMU WING WALL, BASE BID ONLY. SEE SHTS. A2 & A2.5, & STRUCT DRWGS
9. GROUND COVER & PLAY EQUIP. BY OWNER - AT EXTERIOR PLAY AREA
10. C.I.P. PYLON PIPE SCREEN SUPPORT WALL - SEE STRUCT. ALTERNATE #1 ONLY
11. 4'x9'x4" CONC. STOOP WWF 6x6 - W2.1xW2.1
12. WALL PLAQUE, - SEE SPECS MOUNT BOTTOM OF PLAQUE @ 5'-4" A.F.F. ATTACH PER MANUFACTURES RECOM.
13. 9 METAL LOCKERS 9"x12"x24" EA. EQUAL TO LYON MANUF. CO. "TRIPLE TIER LOCKERS" IN DESERT SAND.
14. LOBBY BENCH EQ. TO LANDSCAPE FORMS "LACUNA" # 3.14T2072 IN RED OAK WITH TUBULAR STEEL BASE.

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT

ARCHITECT

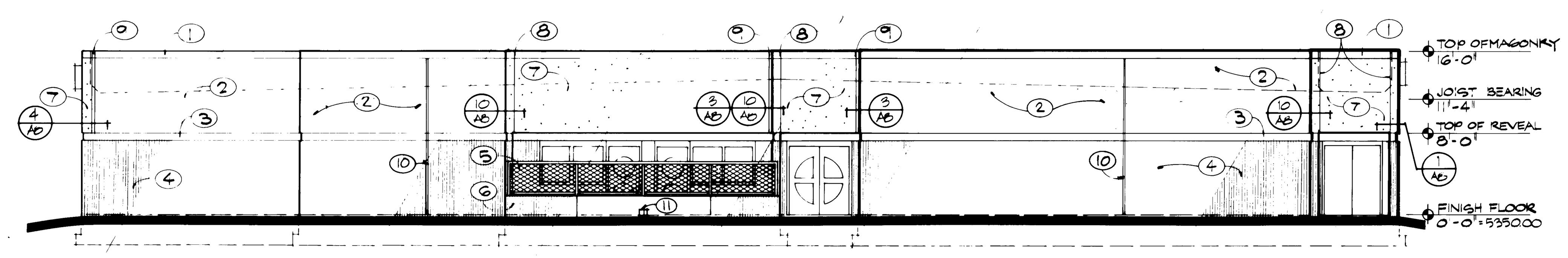
THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8205

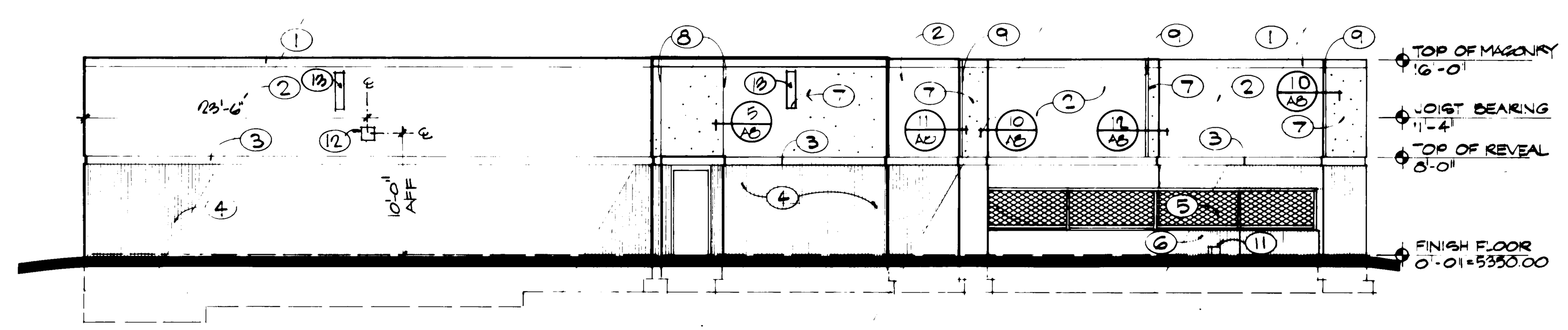
DATE MAY '83

A1

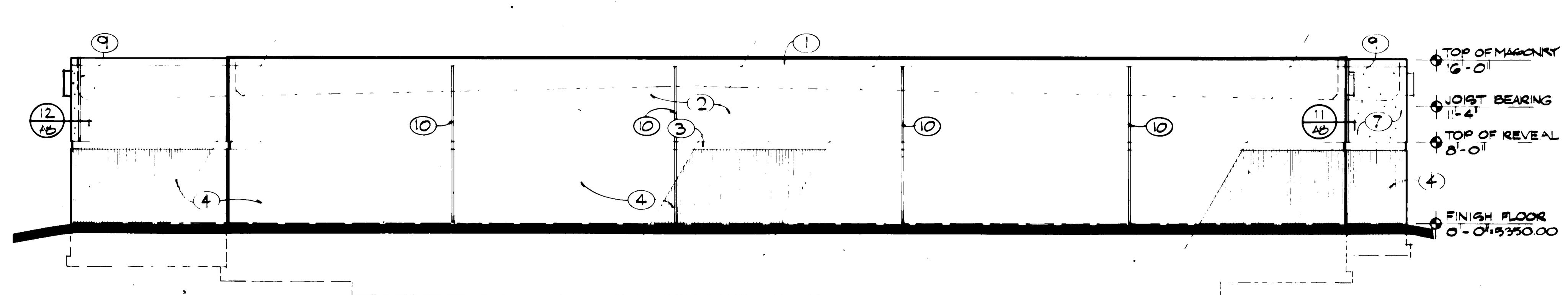
SHEET 16 OF 36



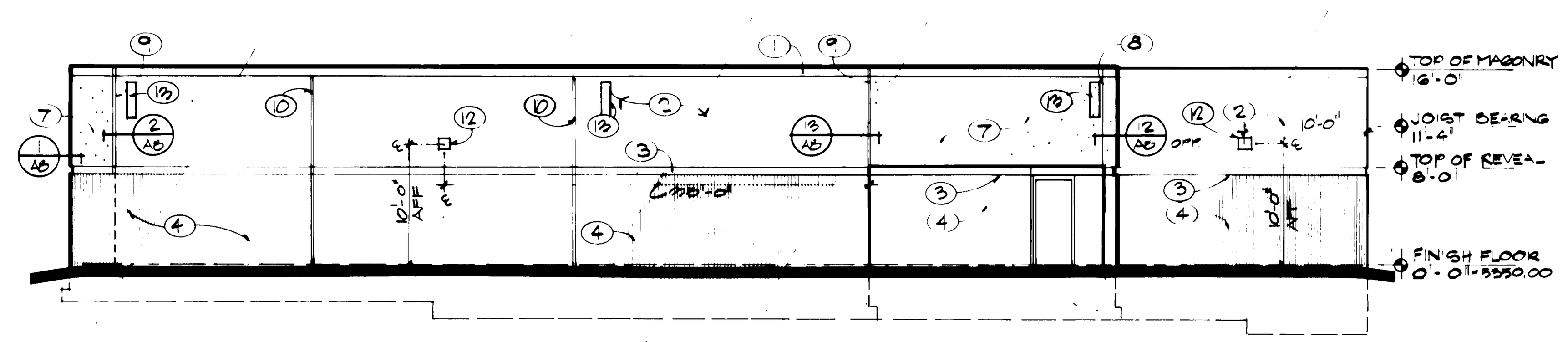
EAST ELEVATION – BASE BID
SCALE: 1/8" = 1'-0"



SOUTH ELEVATION – BASE BID
SCALE: 1/8" = 1'-0"



WEST ELEVATION – BASE BID
SCALE: 1/8" = 1'-0"



NORTH ELEVATION – BASE BID
SCALE: 1/8" = 1'-0"

26 1589 1784

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505 265 3645

NOTES

1. MT'L CAP FLASHING.
2. 9" SPLIT-FACE CMU. STAIN AS PER SPECS
3. 8" CERAMIC-FACED CMU. SEE SPEC.
4. 9" FLUTED CMU. STAIN AS PER SPEC.
5. GALV. CHAIN LINK FENCE @ 3'-6" HIGH. BASE BID ONLY. – SEE GENERAL NOTE BELOW.
6. 8" C.I.P. CONC. WALL – SEE STRUCT.
7. SYNTHETIC PLASTER FINISH ON 5/8" EXTERIOR GYP. BD.
8. CONTROL JOINT
9. 3" REVEAL
10. MASONRY CONTROL JOINT – SEE SHT. S-1 FOR LOCATIONS
11. PLAYAREA SCUPPER DRAIN @ 4" HIGH x 8" WIDE BLOCKOUT IN CONC.
12. SURFACE MOUNTED SECURITY LIGHT FIXTURE UNIT – SEE ELEC.
13. OVERFLOW ROOF SCUPPER – 4"x8" 24 GA. GALV. METAL SCUPPER SIM. TO DET. 28/A8.

NOTE: CONTRACTOR AND/OR VINYL COVERED FENCING SUPPLIER TO PROVIDE SHOP DRAWINGS ILLUSTRATING ANCHORING AND CONSTRUCTION METHODS FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

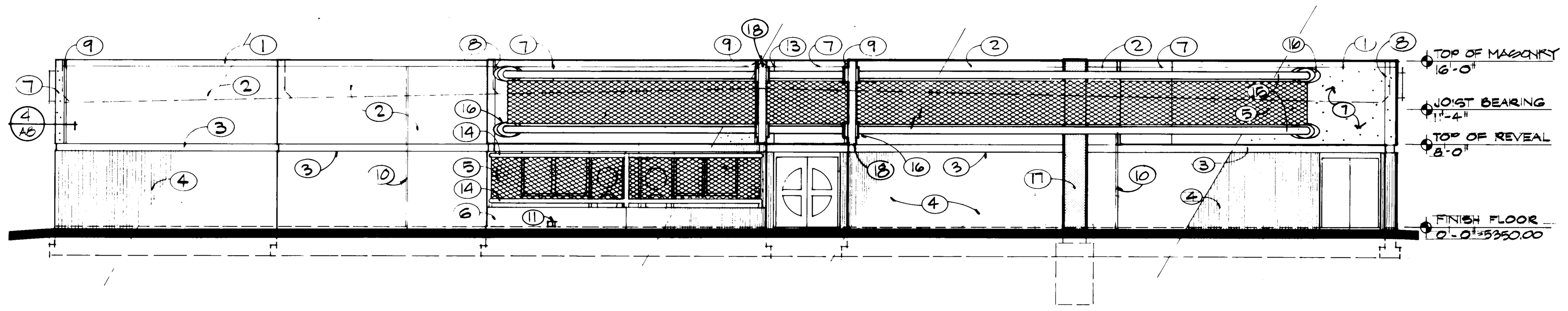
STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT

ARCHITECT

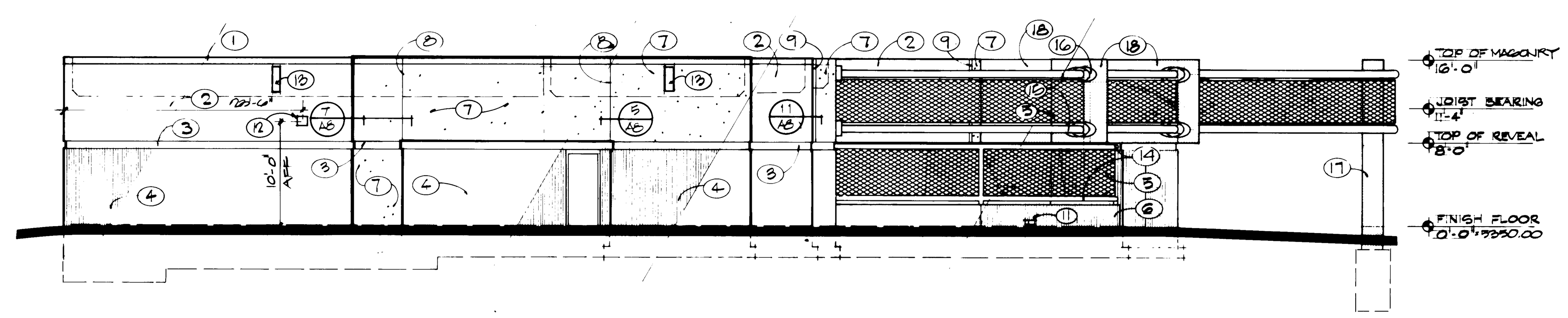
THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

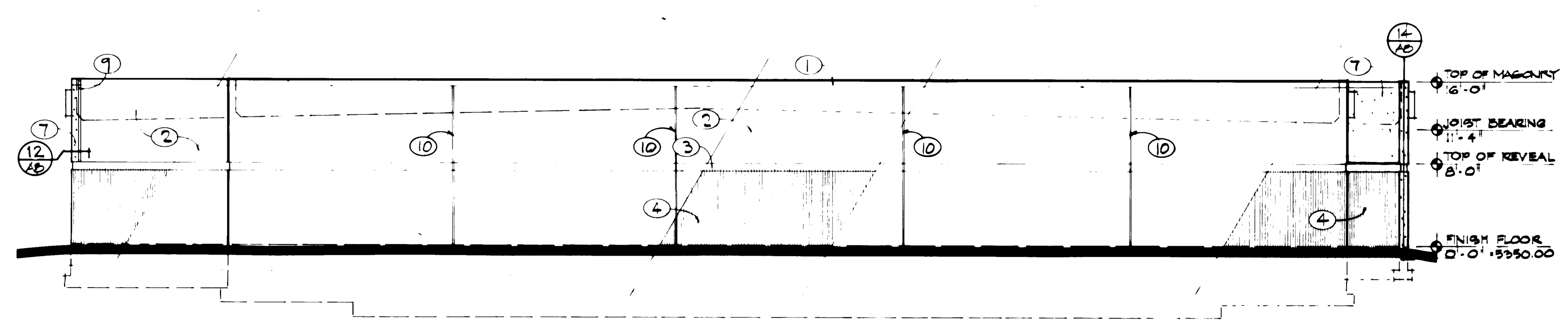
A2
SHEET 17 OF 36



EAST ELEVATION – ALTERNATE # 1
SCALE: 1/8" = 1'-0"



SOUTH ELEVATION – ALTERNATE # 1
SCALE: 1/8" = 1'-0"



WEST ELEVATION – ALTERNATE # 1
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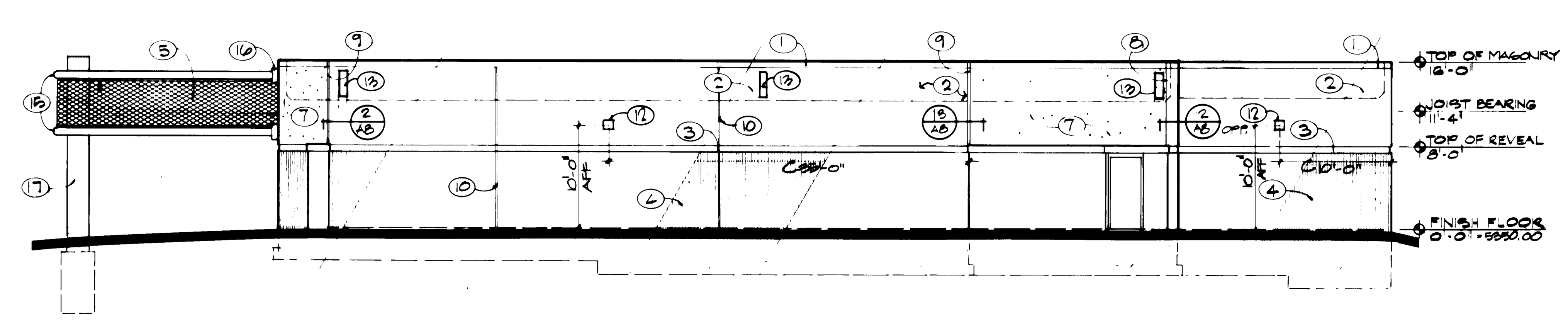


NORTH ELEVATION – ALTERNATE # 1
SCALE: 1/8" = 1'-0"

26 1589 1884

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 (505) 265-3645

NOTES

1. MET. CAP FLASHING
2. 9" SPLIT-FACE CMU. STAIN AS PER SPECS
3. 8" CERAMIC-FACED CMU. SEE SPEC.
4. 9" FLUTED CMU. STAIN AS PER SPEC.
5. VINYL COATED SCREEN MESH SEE SPECS & STRUCT DRWGS.
6. 8" C.I.P. CONC WALL – SEE STRUCT.
7. SYNTHETIC PLASTER FINISH
8. CONTROL JOINT
9. ¾" REVEAL
10. MASONRY CONTROL JOINT – SEE SHT. S-1
11. PLAYAREA SCUPPER DRAIN @ 4" HIGH x 8" WIDE BLOCKOUT IN CONC.
12. SURFACE MOUNTED SECURITY LIGHT FIXTURE UNIT – SEE ELEC.
13. OVERFLOW ROOF SCUPPER – SEE 28/A8
14. 6" Ø STEEL PIPE, PAINT AS PER SPEC. SEE STRUCT. DRWGS.
15. 8" Ø STEEL PIPE, PAINT AS PER SPEC. SEE STRUCT. DRWGS.
16. 16" Ø STEEL PIPE CARRIER, PAINT AS PER SPEC. – SEE STRUCT DRWGS.
17. C.I.P. CONC COLUMN – SEE STRUCT DRWGS.
18. C.I.P. CONC. – SEE STRUCT. DRWGS.

NOTE: CONTRACTOR AND/OR VINYL COATED FENCING SUPPLIER SHALL PROVIDE SHOP DRAWINGS OF CONST. AND ATTACHMENT METHODS FOR ARCHITECTS APPROVAL · PRIOR TO CONST.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT

ARCHITECT

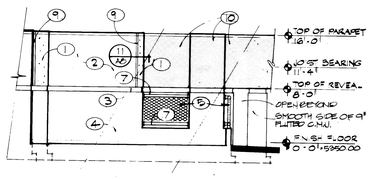
THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205

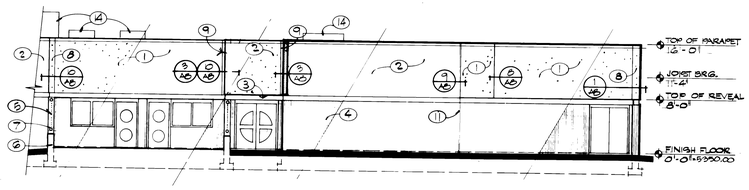
DATE MAY '83

A2.5

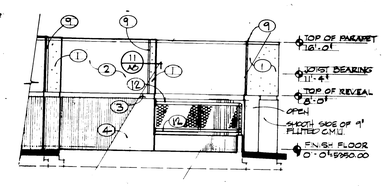
SHEET 18 OF 36



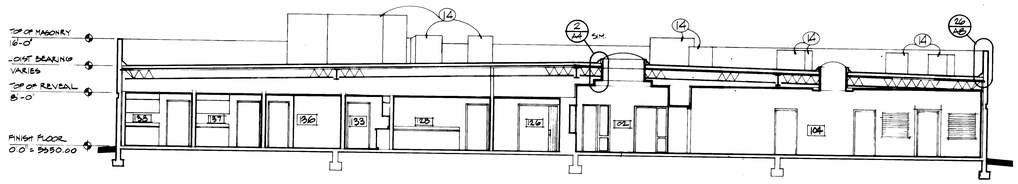
3 / A1 **SOUTH ELEVATION - ALT. # 1**
SCALE: 1/8" = 1'-0"
NOTE: VINYL COATED SCREEN MESH AND STEEL PIPE SUPPORTS NOT SHOWN FOR CLARITY



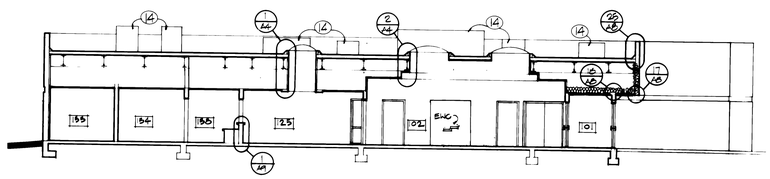
2 / A1 **EAST ELEVATION - ALTERNATE # 1**
SCALE: 1/8" = 1'-0"
NOTE: VINYL COATED SCREEN MESH AND STEEL PIPE SUPPORTS NOT SHOWN FOR CLARITY



1 / A1 **SOUTH ELEVATION - BASE BID**
SCALE: 1/8" = 1'-0"



A / A1 **SECTION**
SCALE: 1/8" = 1'-0"



B / A1 **SECTION**
SCALE: 1/8" = 1'-0"

THE BURNS PETERS GROUP

NOTES

1. SYNTHETIC PLASTER FINISH
2. 9" SPLIT FACE C.M.U. - STAIN AS PER SPEC.
3. 8" CERAMIC FACED C.M.U. - SEE SPEC.
4. 9" FLUTED C.M.U. - STAIN AS PER SPEC.
5. VINYL COATED SCREEN MESH - SEE SPECS.
6. 8" C.I.P. CONC. WALL - SEE STRUCT. DRAWINGS
7. 4" Ø STEEL PIPE, PAINT AS PER SPEC. - SEE STRUCT. DRWGS.
8. CONTROL JOINT
9. 9" REVEAL
10. C.I.P. CONC. - SEE STRUCT. DRWGS.
11. MASONRY CONTROL JOINT - SEE DET. 12/1
12. NEW CHAIN LINK FENCE @ 8'-0" HIGH. BASE BID ONLY - SEE DTL. /A9
13. NOT USED
14. MECH. EQUIPMENT BEYOND. SEE ROOF PLAN SHEET A/4.5

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

REVISIONS

ENGINEER

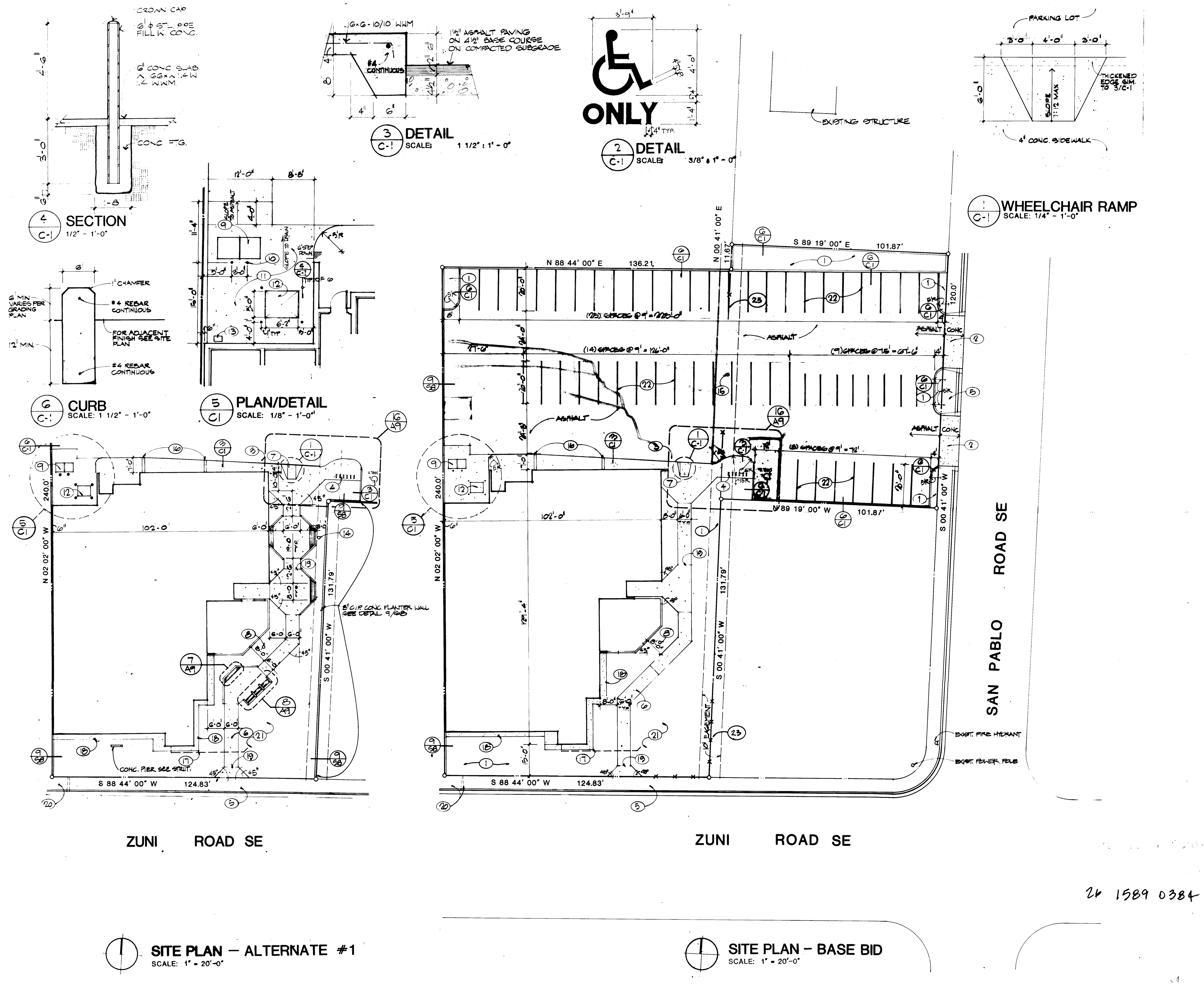
STATE OF NEW MEXICO
RONALD L. PETERS
NO. 788
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

A3
SHEET 19 OF 36

26 : 1589 1984



24 1589 0384

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505 265 3645

NOTES

1. LANDSCAPE AREA – SEE L1
2. NEW 24' CURB CUT PER CITY OF ALBUQUERQUE SPECS.
3. PASSENGER DROP-OFF ZONE
4. BIKE RACK W/ 5 SLOTS - 1½" O.D. GALV. STL TUBING & 1" OD GALV. STL. DIVIDERS. ANCHOR SECURELY IN CONC.
5. EXISTING 6' CONC SIDEWALK, CURB & GUTTER
6. 6'-CONC SIDEWALK
7. WHEELCHAIR RAMP
8. FLAG POLE AS SPEC. SEE DETAIL 15/A9
9. TRASH CONTAINER BY OWNER
10. 6" Ø STL PIPE GAURD
11. 6" REINF. CONC. SLAB
12. 8" REINF. CONC. PAD PER PNM SPEC. CONTRACTOR TO COORDINATE W/ PNM
13. GAS METER – SEE MECH.
14. CONC. COL/SCREEN SUPPORT – SEE STRUCT. DRWGS.
15. EXISTING POLE TO BE RELOCATED BY PNM.
16. SIDEWALK TRENCH GRATE - SEE 17/A9
17. ROOF DRAIN LINE TO WATER RETENTION BASIN BY PLUMBING CONT. SEE MECH.
18. 4" REINF. CONC. MOISTURE APRON @ 3' WIDE (TYPICAL) - SIM. TO SIDEWALK SHOWN IN DETAIL 3-C1
19. EXPANSION JOINTS @ 30' O.C. (MAX.) & TROWELED JOINTS @ 6' O.C. (MAX) TYP.
20. REMOVE EXISTING CURB CUT & REPLACE 6' SIDEWALK, CURB & GUTTER, AS REQ'D, PER CITY OF ALBUQUERQUE SPECS.
21. LOCATION OF 1% FOR THE ARTS SCULPTURE TO BE PROVIDED BY OTHERS
22. 4" WIDE PARKING LOT STRIPPING PAINT EQ. TO WELLBORN "ALKYD" YELLOW TRAFFIC PAINT
23. EXISTING STL. FENCE TO BE REMOVED BY PREVIOUS LAND OWNER

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84
Charles Peters

REVISIONS

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 769
REGISTERED ARCHITECT

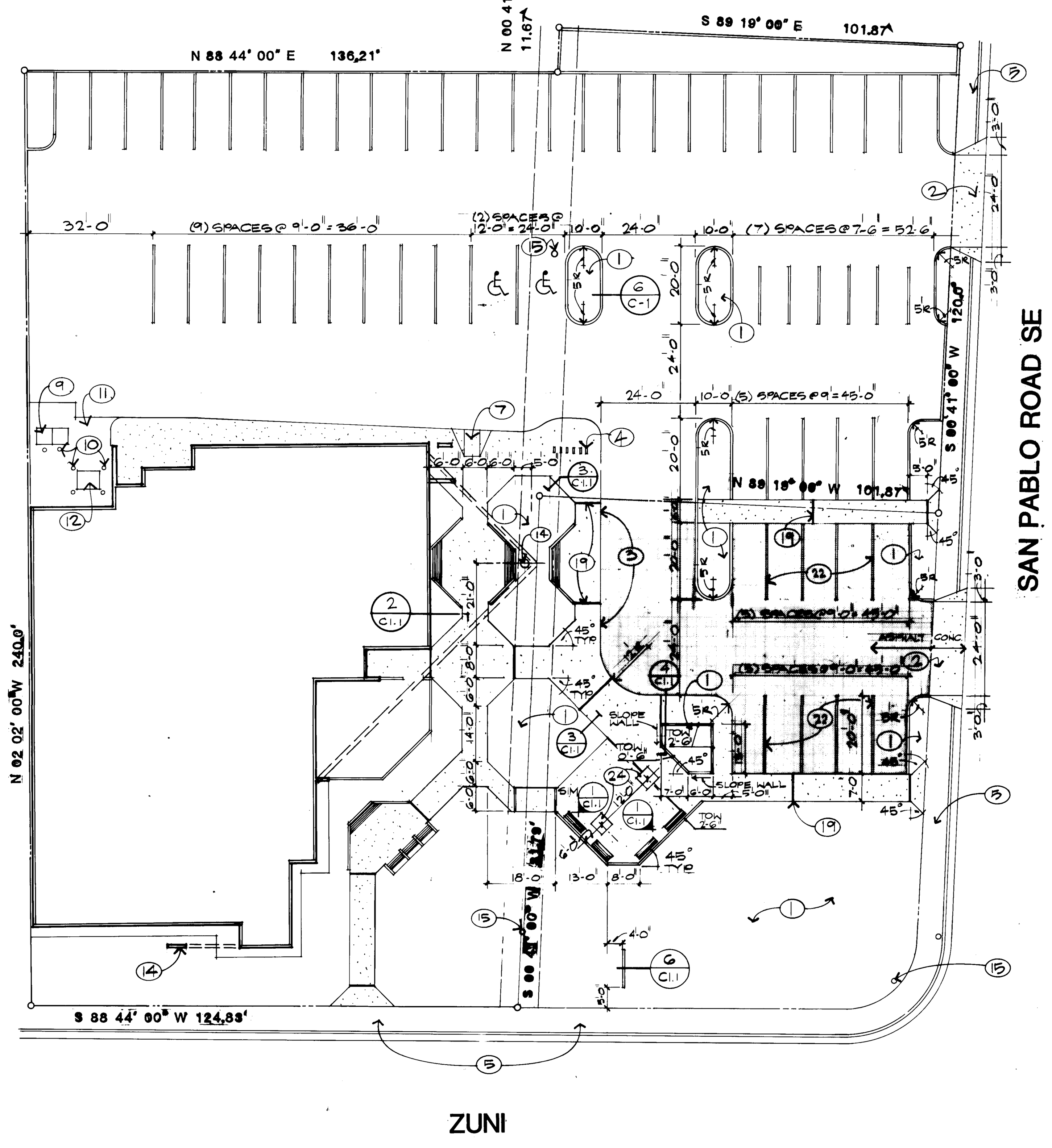
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

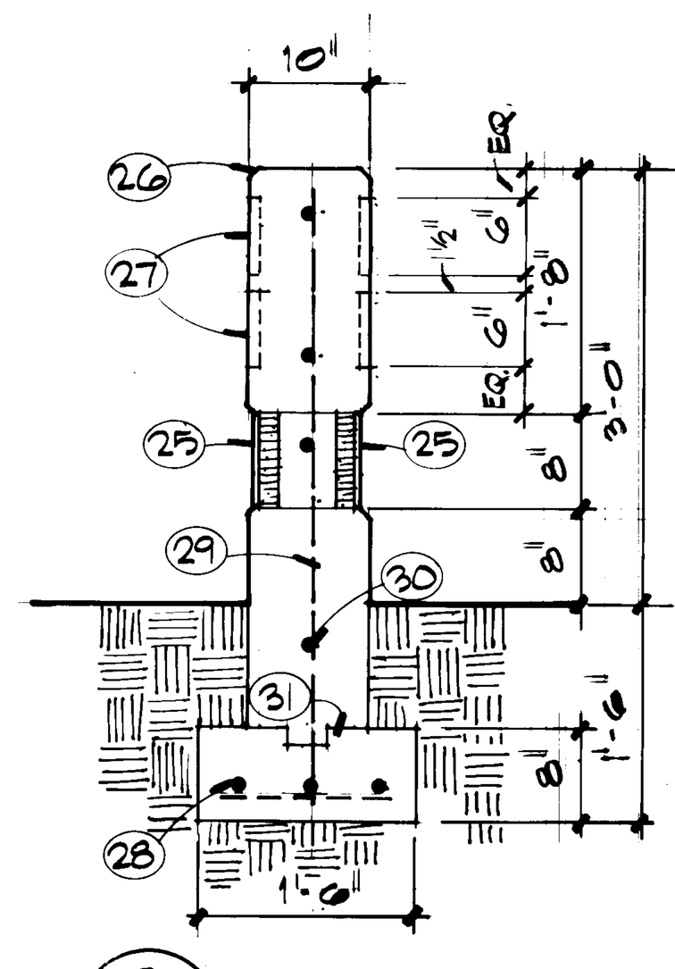
PROJECT NO. 8205
DATE MAY '83

C1

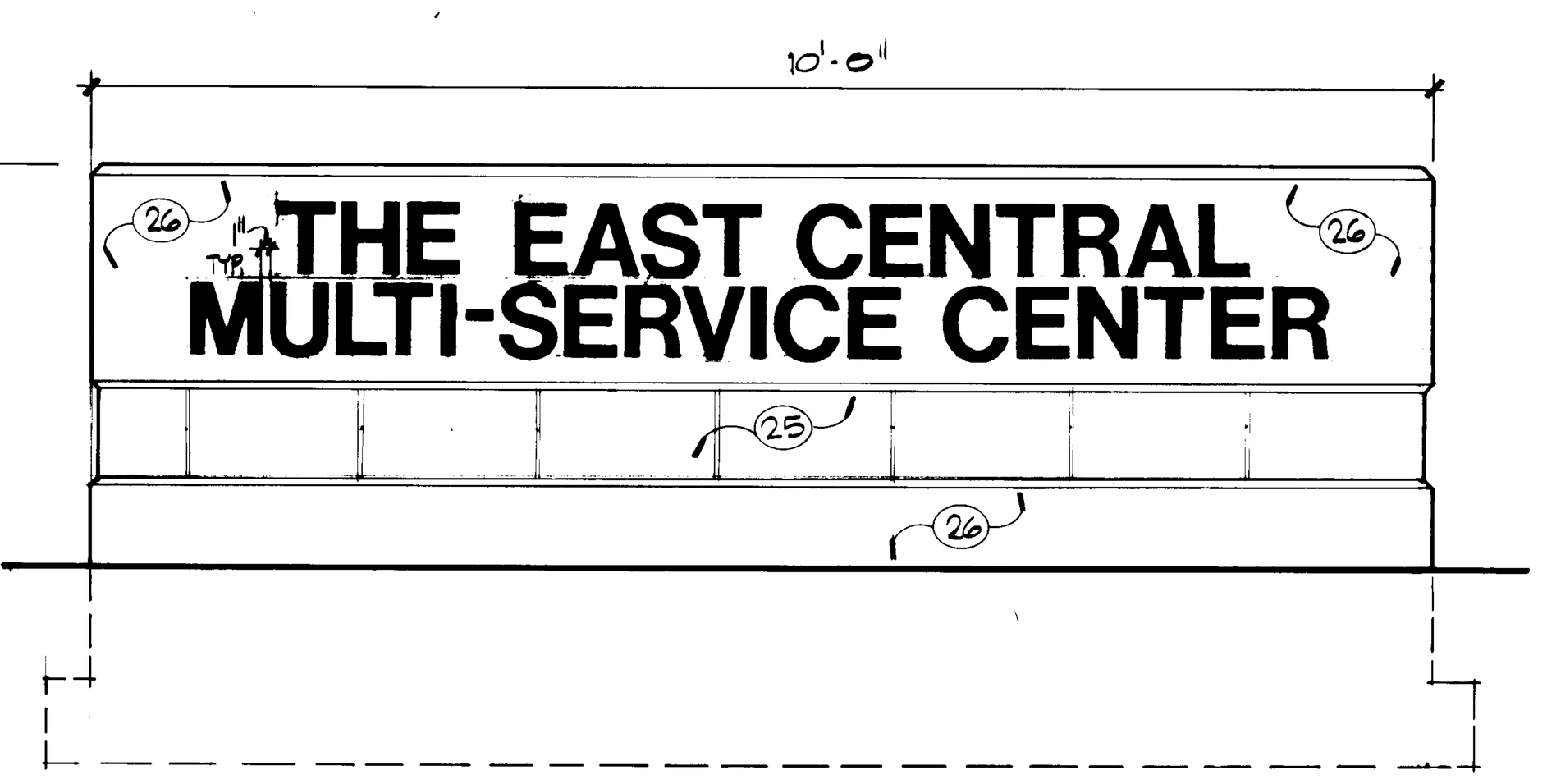
SHEET 3 OF 36



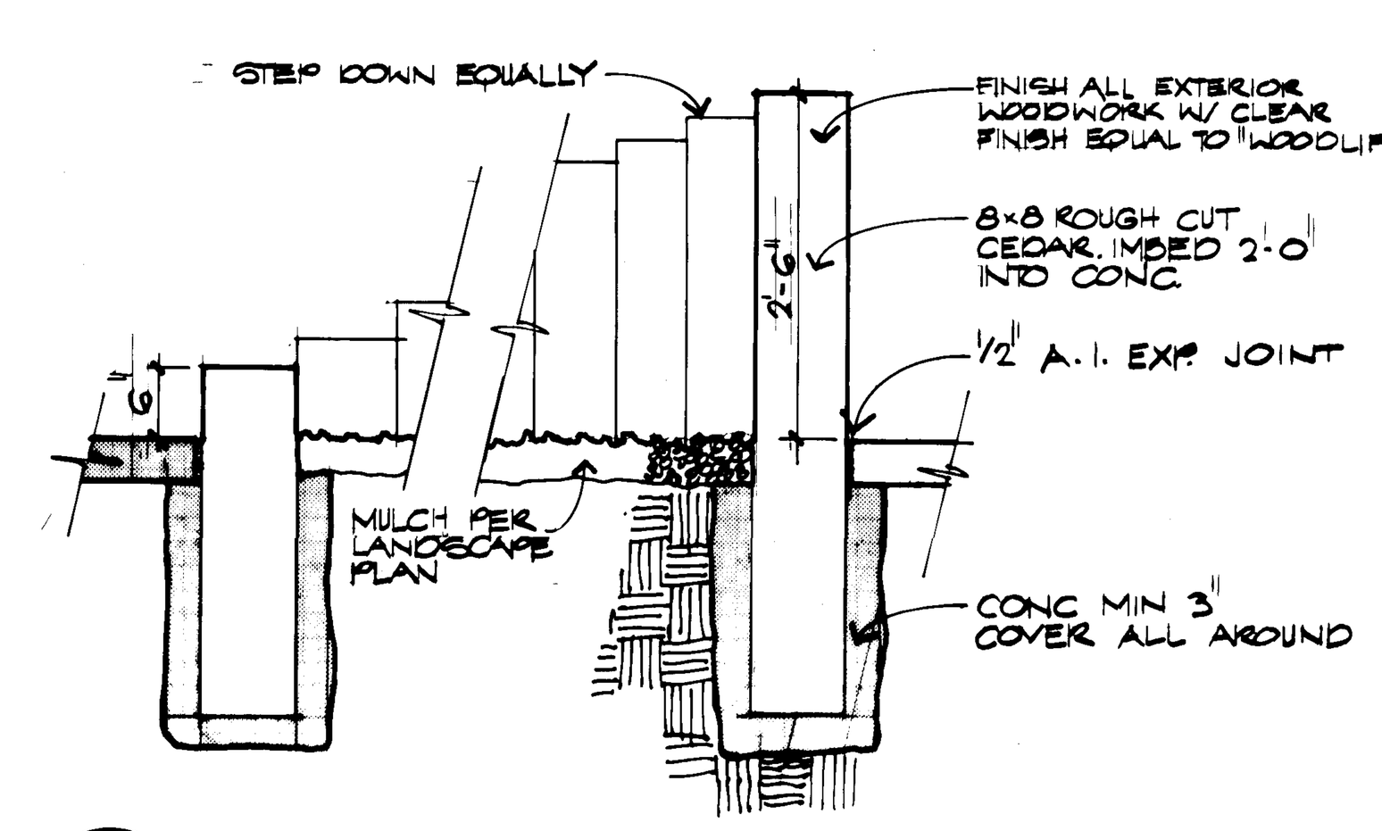
SITE PLAN
SCALE: 1" = 20'-0"



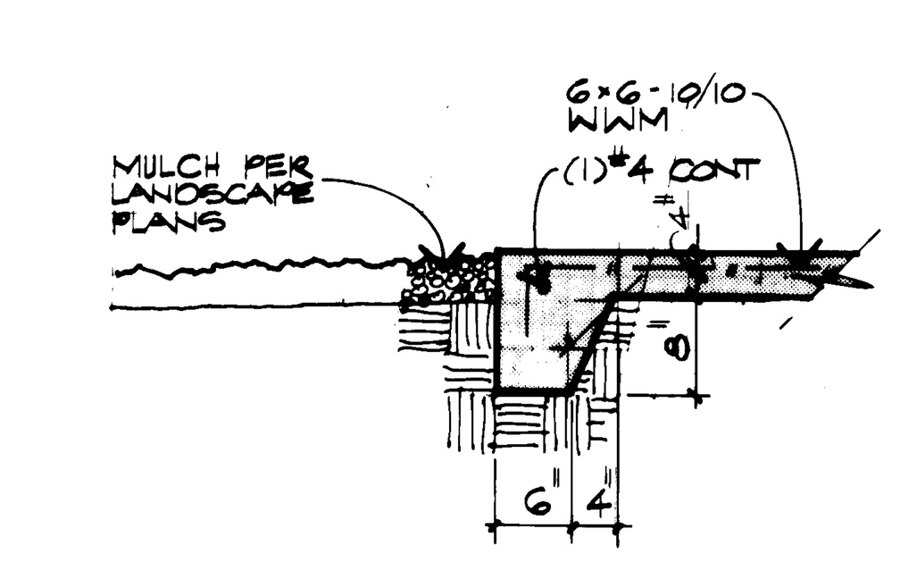
6 / C1.1 SECTION
SCALE: 3/4" : 1'-0"



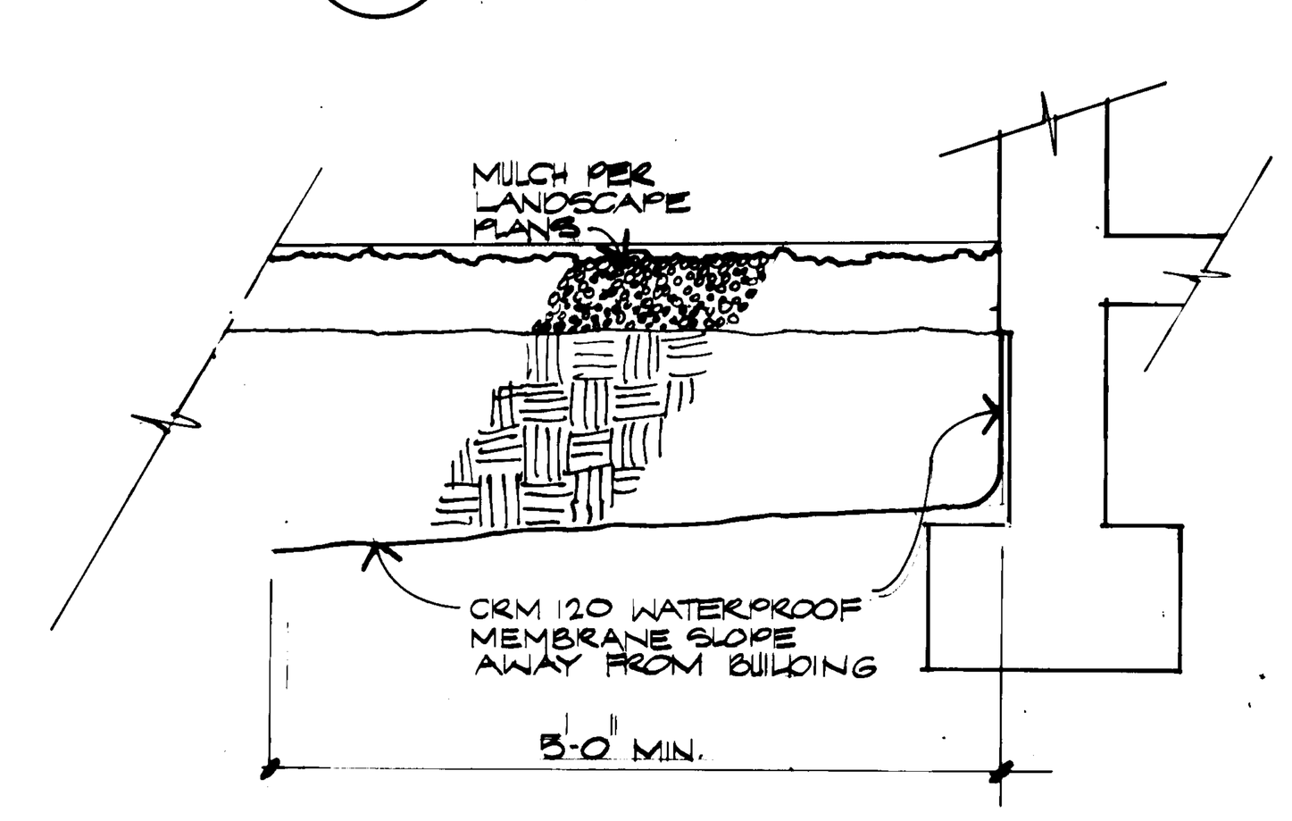
5 / C1.1 ELEVATION
SCALE: 3/4" : 1'-0"



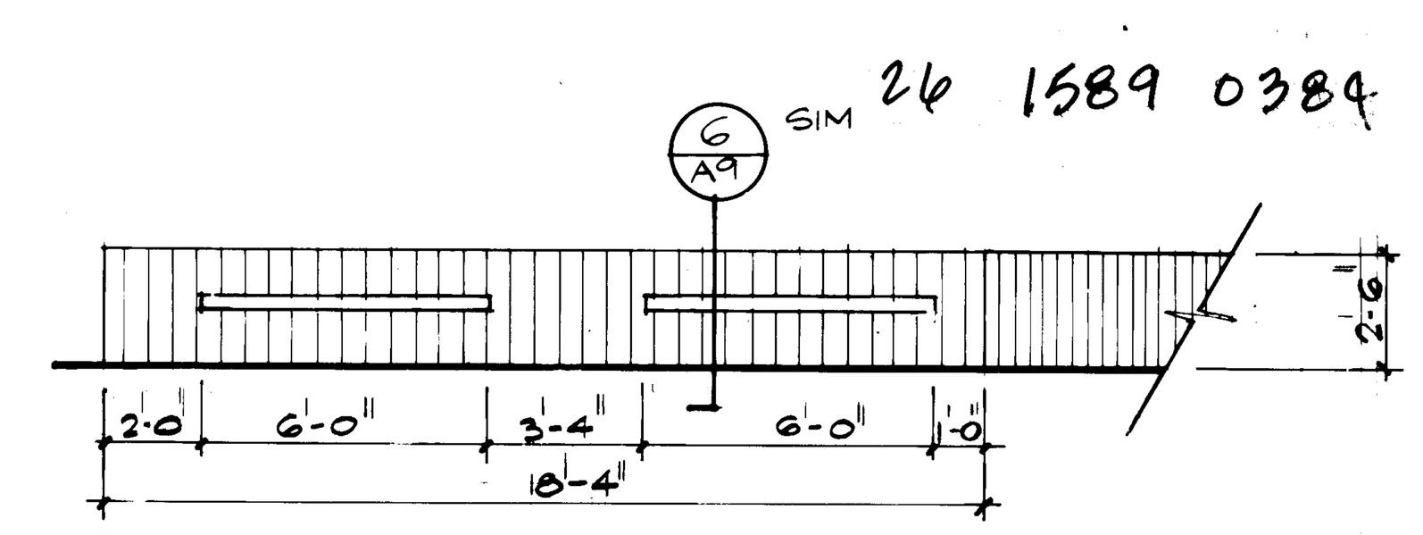
4 / C1.1 SECTION
SCALE: 3/4" - 1'-0"



3 / C1.1 SECTION
SCALE: 3/4" - 1'-0"



2 / C1.1 SECTION
SCALE: 3/4" - 1'-0"



1 / C1.1 ELEVATION
SCALE: 1/4" - 1'-0"

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 (505) 265-3645

NOTES

1. LANDSCAPE AREA – SEE L1
2. NEW 24' CURB CUT PER CITY OF ALBUQUERQUE SPECS.
3. PASSENGER DROP-OFF ZONE
4. BIKE RACK W/ 5 SLOTS - 1/2" OD. GALV. STL TUBING & 1" OD GALV STL. DIVIDERS. ANCHOR SECURELY IN CONC
5. EXISTING 6' CONC SIDEWALK, CURB & GUTTER
6. 6-0" CONC. SIDEWALK
7. WHEELCHAIR RAMP
8. FLAG POLE AS SPEC. SEE DETAIL 15/A9
9. TRASH CONTAINER BY OWNER
10. 6" Ø STL PIPE GAURD
11. 6" REINF. CONC. SLAB
12. 8" REINF. CONC. PAD PER PNM SPEC. CONTRACTOR TO COORDINATE W/ PNM
13. GAS METER – SEE MECH.
14. CONC. COL/SCREEN SUPPORT – SEE STRUCT. DRWGS.
15. EXISTING POLE TO BE REMOVED BY PNM.
16. SIDEWALK TRENCH GRATE - SEE 17/A9
17. ROOF DRAIN LINE TO WATER RETENTION BASIN BY PLUMBING CONT. SEE MECH.
18. 4" REINF. CONC. MOISTURE APRON @ 3' WIDE (TYPICAL) - SIM. TO SIDEWALK SHOWN IN DETAIL 3-C1
19. EXPANSION JOINTS @ 30' O.C. (MAX.) & TROWELED JOINTS @ 6' O.C. (MAX) TYP.
20. REMOVE EXISTING CURB CUT & REPLACE 6' SIDEWALK, CURB & GUTTER, AS REQ'D, PER CITY OF ALBUQUERQUE SPECS.
21. LOCATION OF 1% FOR THE ARTS SCULPTURE TO BE PROVIDED BY OTHERS CO-ORDINATE EXACT LOCATION W/ GEN CONTRACTOR.
22. 4" WIDE PARKING LOT STRIPPING PAINT EQ. TO WELLBORN "ALKYD" YELLOW TRAFFIC PAINT
23. EXISTING STL. FENCE TO BE REMOVED BY PREVIOUS LAND OWNER
24. 4×4 TREE GRATE. "NEENAH" R-8647-C
25. 8" CERAMIC FACED CMU AS SPECIFIED.
26. 4000 PSI PAINTED CONC. W/ 3/4" CHAMFERS - TYPICAL (COLOR BY ARCH.)
27. SIGNAGE - 6" STYRENE HELVETICA MEDIUM LETTERS RECESSED IN CONC.
28. 3-#5 REBAR
29. #5 @ 24" O.C VERTICAL (ALT. BENDS)
30. #3 @ 12" O.C. HORIZONTAL
31. KEY FOOTING TO STEM WALL

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84
Charlie Otero

REVISIONS NOVEMBER 1983

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT

ARCHITECT

THE EAST · CENTRAL MULTI · SERVICE CENTER,

PROJECT NO. 8205
DATE SEPT. '83

C1.1
SHEET OF

CALCULATIONS

Ground Cover Information

1. From SCS Bernalillo County Soil Survey, Plate 31: MWA
   Madurez Wink Association
   Hydrologic Soil Group B

Rational Method

1. Discharge: $Q = CiA$
   where C varies
   $i = P_6(6.84)\,T_c^{-0.51} = 4.97$ in/hr
   $P_6 = 2.35$ in (DPM Plate 22.2 D-1)
   $T_c = 10$ min. (minimum)
   A = area, Acres
2. Volume: $V = CP_6A(1/12)$
   where C varies
   $P_6 = 2.35$ in (DPM Plate 22.2 D-1)
   A = area, sf

Existing Condition

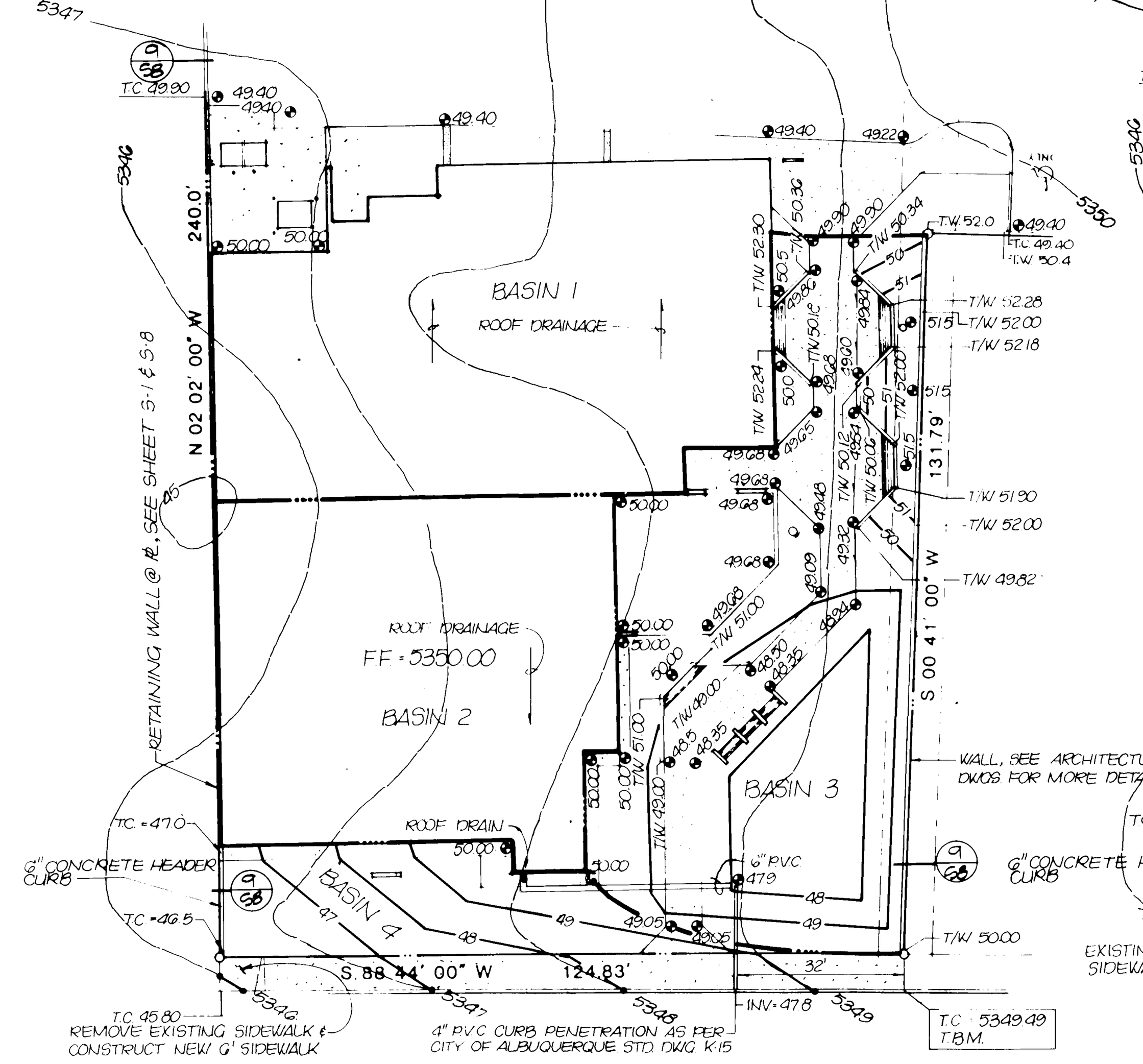
$A_T = 1$ Ac
% impervious = 0
C = 0.34 (DPM Plate 22.2 C-1)
$Q_{100} = CiA = 0.34(4.97)(1.0) = 1.7$ cfs
$V_{100} = CP_6A = 0.34(2.35/12)43{,}560 = 2900$ cf

Developed Condition

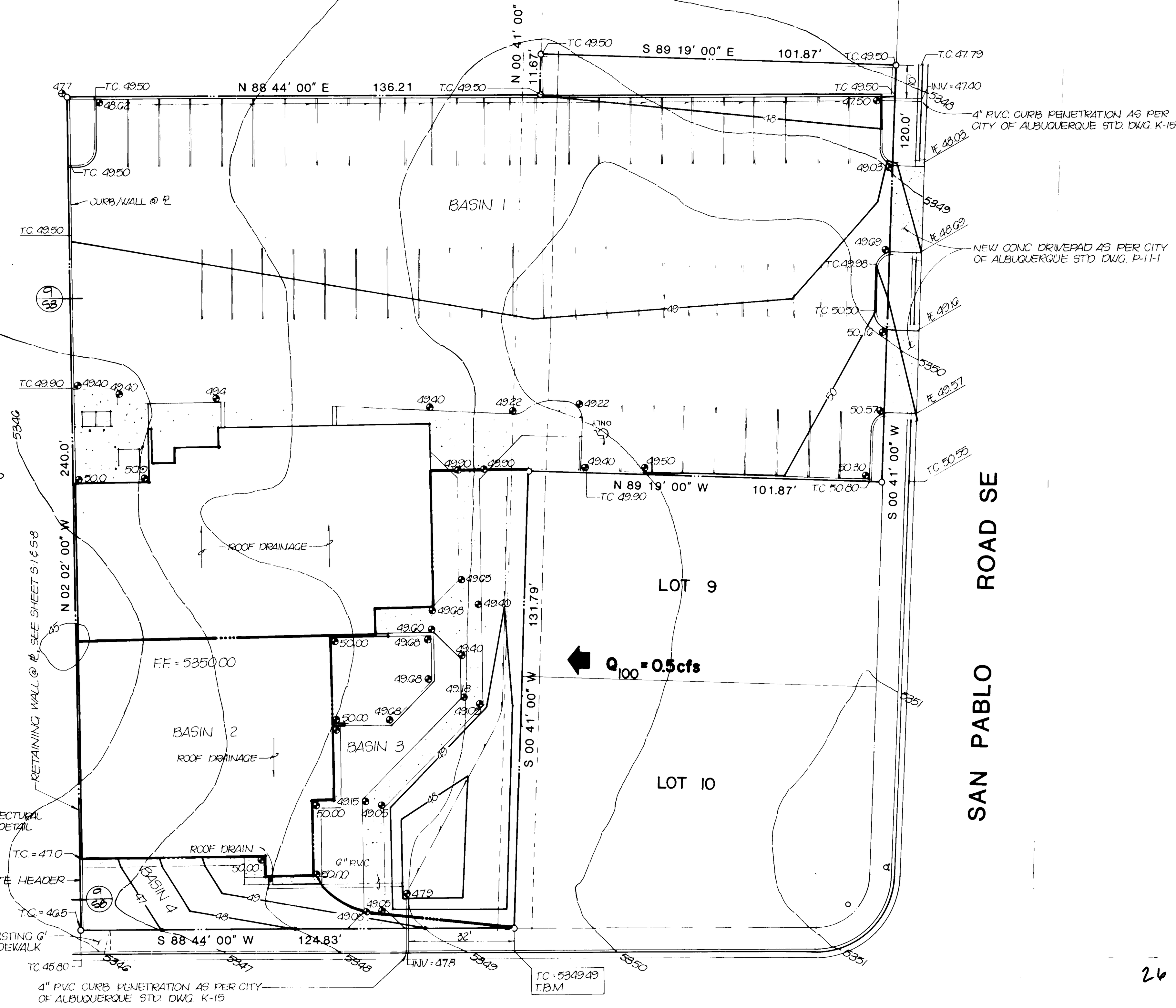
1. Basin 1
   $A_T = 30{,}990$ sf $= 0.71$ Ac
   $A_{imp} = 28{,}900$ sf
   % impervious = 28,900/30,990 = 93%
   C = 0.89 (DPM Plate 22.2 C-1)
   $Q_{100} = CiA = 0.89(4.95)(0.71) = 3.1$ cfs
   $V_{100} = CP_6A = 0.89(2.35/12)(30{,}990) = 5401$ cf
   $V_{pond} = \frac{1}{2}(A_{47.5} + A_{48})(48-47.5) + \frac{1}{2}(A_{48}+A_{49})(49-48)$
   $= \frac{1}{2}(0+500)(0.5) + \frac{1}{2}(500+12{,}640)(1)$
   $= 6695 \text{ cf} > V_{100}$
   $Q_{release} = CA\sqrt{2gh}$ (Orifice Equation)
   let h = 1.25'
   A = 0.0855 sf (4" pipe)
   C = 0.8
   $g = 32.2$ ft/sec^2
   $Q_{release} = 0.6$ cfs
2. Basin 2
   $A_T = 4600$ sf $= 0.11$ Ac
   $A_{imp} = 4600$ sf
   %impervious = 100%
   C = 0.95
   $Q_{100} = 0.5$ cfs, $V_{100} = 856$ cf
3. Basin 3
   $A_T = 6250$ sf $= 0.14$ Ac
   $A_{imp} = 2200$ sf
   %impervious = 35%
   C = 0.50 (DPM Plate 22.2 C-1)
   $Q_{100} = 0.35$ cfs, $V_{100} = 612$ cf
   $V_{pond} = \frac{1}{2}(A_{47.9}+A_{48})(48-47.9) + \frac{1}{2}(A_{48}+A_{49})(49-48)$
   $= \frac{1}{2}(0+520)(0.1) + \frac{1}{2}(520+1620)(1.0)$
   $= 1096 \text{ cf} >> V_{100}$
   $Q_{release} = CA\sqrt{2gh}$
   let h = 0.67'
   A = 0.0855 sf
   C = 0.8
   $g = 32.2$ ft/sec^2
   $Q_{release} = 0.4 \text{ cfs} > Q_{100}$
   $Q_{release} = 0.35$ cfs and no ponding occurs.
4. Basin 4
   $A_T = 1530$ sf $= 0.04$ Ac
   $A_{imp} = 300$ sf
   %impervious = 20%
   C = 0.43 (DPM Plate 22.2 C-1)
   $Q_{100} = 0.1$ cfs, $V_{100} = 129$ cf
   No Pond Provided

Comparison

1. To San Pablo S.E.
   $\Delta Q_{100} = Q_{100} - Q_{release}$
   $= 0 - 0.60 = 0.6$ cfs increase
2. To Zuni S.E.
   $\Delta Q_{100} = Q_{100} - Q_{release}$
   $= 1.7 - (0.5+0.35+0.1) = 0.75$ cfs decrease



SITE PLAN — ALTERNATE #1
SCALE: 1" = 20'-0"



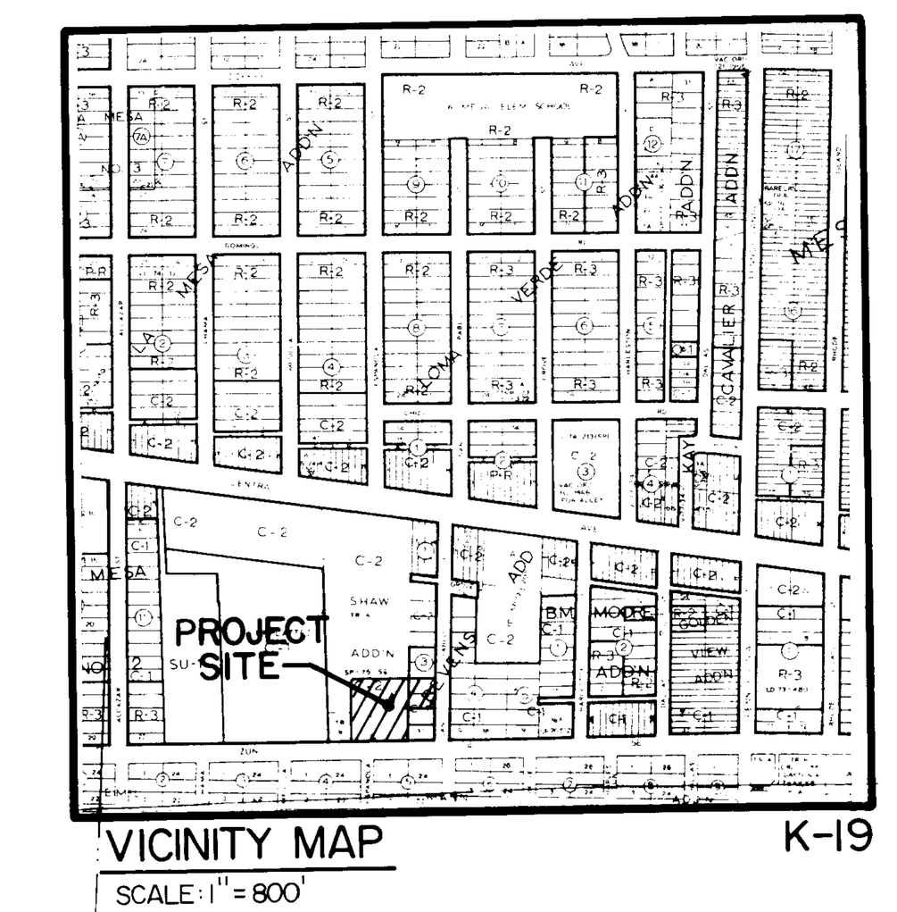
SITE PLAN - BASE BID
SCALE: 1" = 20'-0"

LEGEND
- ⊕ 48.47 EXISTING SPOT ELEVATION
- ● 48.47 PROPOSED SPOT ELEVATION
- 5349 EXISTING CONTOUR
- 49 PROPOSED CONTOUR
- SWALE

LEGAL ADDRESS:
TRACT C-A

STREET ADDRESS:
7525 ZUNI RD SE

PROJECT BENCHMARK - T.B.M.
TOP OF CURB ELEVATION AT THE S.E. OF PARCEL AS SHOWN ABOVE.
ELEVATION: 5349.49 FEET (M.S.L.)



VICINITY MAP K-19
SCALE: 1" = 800'

26 1589 0484

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 (505) 265-3645

DRAINAGE PLAN

The following items concerning the East Central Multi-Service Center grading and drainage plan are contained hereon: 1) Vicinity Map 2) Grading Plan 3) Calculations. The proposed improvements, as shown by the Vicinity Map, are located at the northwest corner of the intersection of Zuni Road S.E. and San Pablo Road S.E. The site is presently undeveloped. The adjacent sites to the north and west are developed.

This site does not lie within a designated flood-hazard zone. However, flooding is anticipated along Zuni Road, as indicated by Plate K19 of the Albuquerque Master Drainage Study. Because of this, the runoff from the site will be positively discharged into the streets.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals 2) continuity between proposed and existing grades 3) the limit and character of proposed improvements and 4) two different grading schemes for Basins 3 and 4. The different grading schemes for Basins 3 and 4 were necessitated by an alternate bid situation requested by the City (CIP). The analysis of these Basin's considers only the 'worst' possible case to be conservative.

The calculations which appear below analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational method has been used for this analysis in accordance with the City of Albuquerque Development Process Manual Volume II. Pond volume calculations are based on the average end-area method. Pond discharge rate calculations are based on the orifice equation. As shown by these calculations, the amount of runoff discharged to the west and into Zuni Road will be decreased by development. The quantity of runoff which will be discharged into San Pablo Road will increase by only 0.6 cfs. The off-site flows from Lots 9 and 10 are estimated to be 0.5 cfs. These lots are presently undeveloped and will contribute only sheet flow.

NOTES:
1. BASIN 2 (ROOF AREA) DRAINS VIA 2-4" ROOF DRAINS & 2-4" P.V.C. DRAIN LINES TO THE POND IN BASIN 3. BASIN 3 DRAINS VIA 1-4" P.V.C. CURB PENETRATION TO ZUNI RD. S.E.
2. ~~NO ROOF DRAINAGE SHALL BE PERMITTED TO FLOW TO THE WEST.~~

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

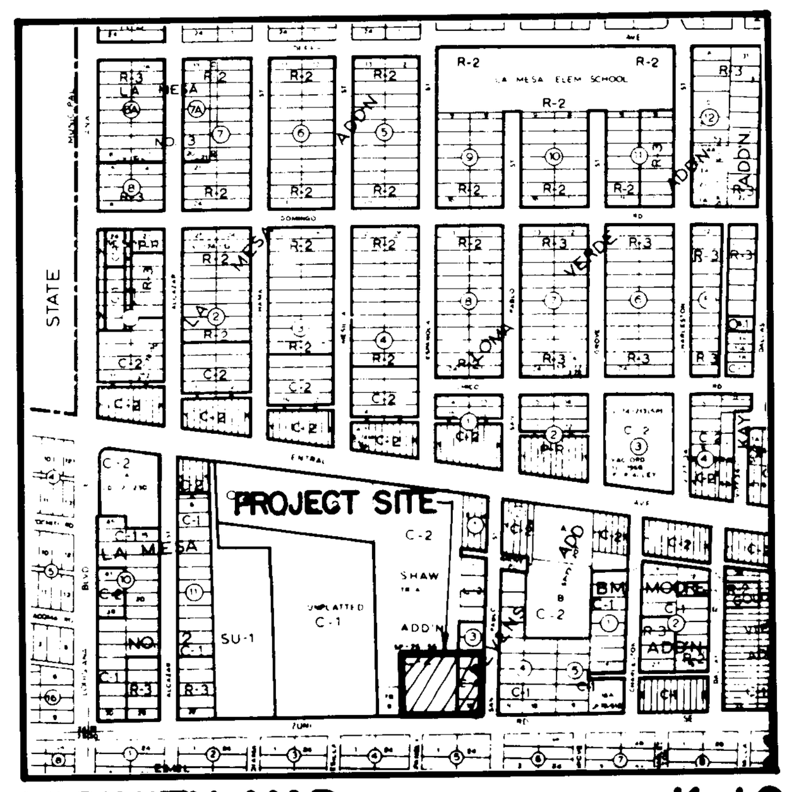
REGISTERED PROFESSIONAL ENGINEER, STATE OF NEW MEXICO, THOMAS MANN JR., 3792
ENGINEER 3-3-83

STATE OF NEW MEXICO, RONALD L. PETERS NO. 789, REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

C2
SHEET 4 OF 36



VICINITY MAP K·19

SCALE 1" = 800'

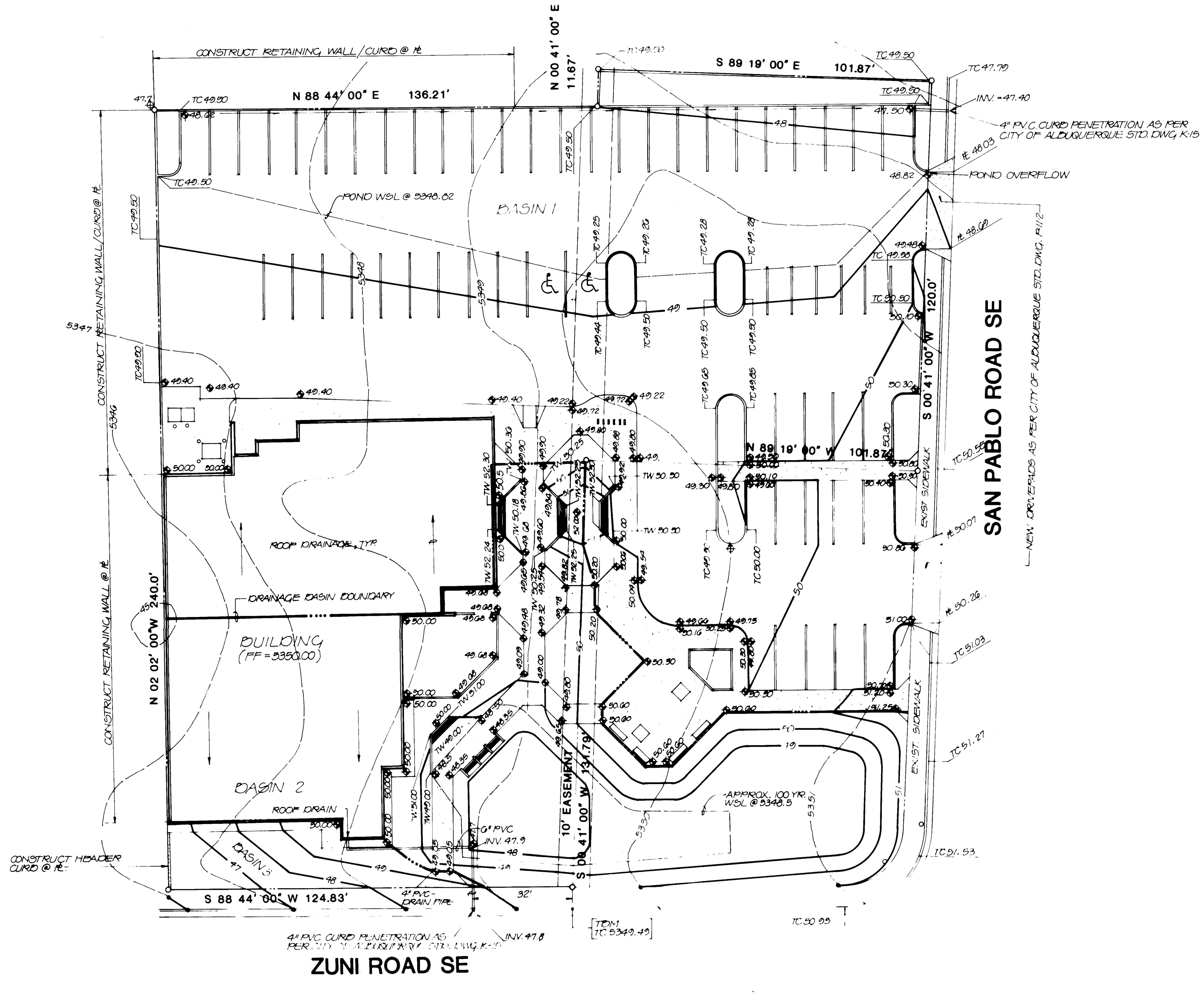
LEGEND

⊕ 48.47	EXISTING SPOT ELEVATION
⊛ 48.47	PROPOSED SPOT ELEVATION
—— 5346 ——	EXISTING CONTOUR
—— 46 ——	PROPOSED CONTOUR
	SWALE
	PROPERTY LINE
	DRAINAGE BASIN BOUNDARY

LEGAL ADDRESS:
TRACT CA + LOT 9

STREET ADDRESS:
7525 ZUNI RD. SE

PROJECT BENCHMARK - T.B.M.
TOP OF CURB ELEVEVATION AT THE S.E CORNER OF TRACT C AS SHOWN ABOVE.
ELEVATION: 5349.49 FEET (MSLD)



SITE PLAN
SCALE: 1" - 20'-0"

CALCULATIONS

Ground Cover Information

1. From SCS Bernalillo County Soil Survey, Plate 31:
   MWA - Madurez Wink Association
   Hydrologic Soil Group B

Rational Method

1. Discharge: $Q = CiA$

   where C varies

   $i = P_6\ (6.84)\ T_c^{-0.51} = 4.97$ in/hr

   $P_6 = 2.35$ in (DPM Plate 22.2 D-1)

   $T_c = 10$ min. (minimum)

   A = area, Acres

2. Volume: $V = CP_6A(1/12)$

   where C varies

   $P_6 = 2.35$ in (DPM Plate 22.2 D-1)

   A = area, sf

Existing Condition

$A_T = 1.3$ Ac

% impervious = 0

C = 0.34 (DPM Plate 22.2 C-1)

$Q_{100} = CiA\ 0.34(4.79)(1.3) = 2.2$ cfs

$V_{100} = CP_6A = 0.34(2.35/12)(1.3)43{,}560 = 3770$ cf

Developed Condition

1. Basin 1

   $A_T = 38{,}500$ sf $= 0.88$ Ac

   $A_{imp} = 36{,}400$ sf

   % impervious = 36,400/38,500 = 95%

   C = 0.92 (DPM Plate 22.2 C-1)

   $Q_{100} = CiA = 0.92(4.95)(0.88) = 4.0$ cfs

   $V_{100} = CP_6A = 0.92(2.35/12)(38{,}500) = 6936$ cf

   $V_{pond} = \frac{1}{2}(A_{47.5}+A_{48})(48-47.50) + \frac{1}{2}(A_{48}+A_{49})(49-48)$

   $= \frac{1}{2}(0+500)(0.5) + \frac{1}{2}(500+12{,}640)(1)$

   $= 6695$ cf $< V_{100}$

   $Q_{release} = CA\sqrt{2gh}$ (Orifice Equation)

   let $h = 1.25'$
   $A = 0.0873$ sf (4" dia. pipe)
   $C = 0.75$
   $g = 32.2$ ft/sec^2

   $Q_{release} = 0.6$ cfs

2. Basin 2

   $A_T = 16{,}600$ sf $= 0.38$ Ac

   $A_{imp} = 6900$ sf

   % impervious = 6900/16,600 = 42%

   C = 0.54 (DPM Plate 22.2 C-1)

   $Q_{100} = 0.54(4.97)(0.38) = 1.0$ cfs

   $V_{100} = 0.54(2.35/12)(16{,}600) = 1755$ cf

   $V_{pond} = \frac{1}{2}(A_{47.7}+A_{48})(48-47.7) + \frac{1}{2}(A_{48}+A_{49})(49-48)$

   $= \frac{1}{2}(0+1080)(0.3) + \frac{1}{2}(1080+5000)(1.0)$

   $= 3360$ cf

   $Q_{release} = CA\sqrt{2gh}$

   let $h = 49 - 47.9 - 0.17 = 0.9'$
   $A = 0.0873$ sf
   $C = 0.70$
   $g = 32.2$ ft/sec^2

   $Q_{release} = 0.5$ cfs

4. Basin 3

   $A_T = 1530$ sf $= 0.04$ Ac

   $A_{imp} = 300$ sf

   % impervious = 20%

   C = 0.43 (DPM Plate 22.2 C-1)

   $Q_{100} = 0.1$ cfs, $V_{100} = 129$ cf

   No Pond provided as per previously approved plan.

Comparison

1. To San Palbo S.E.

   $\Delta Q_{100} = Q_{100} - Q_{release}$

   $= 0 - 0.60 = 0.60$ cfs (increase)

2. To Zuni S.E.

   $\Delta Q_{100} = Q_{100} - Q_{release}$

   $= 2.2 - (0.5+0.1) = 1.6$ cfs (decrease)

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505 265 3645

NOTES

DRAINAGE PLAN

The following items concerning the East Central Multi-Service Center Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

The proposed improvements, as shown by the Vicinity Map, are located at the northwest corner of the intersection of Zuni Road S.E. and San Pablo Road S.E. The site is presently under construction. The adjacent sites to the north and west are developed. The purpose of this plan is to update the previously approved plan due to an increase in the scope of the project.

This site does not lie within a designated flood-hazard zone. However, flooding is anticipated along Zuni Road, as indicated by Plate K19 of the Albuquerque Master Drainage Study. Because of this, the runoff from the site will be positively discharged into the streets.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals, 2) continuity between proposed and existing grades, and 3) the limit and character of proposed improvements.

The calculations which appear below analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational method has been used for this analysis in accordance with the City of Albuquerque Development Process Manual, Volume II. Pond volume calculations are based on the average end-area method. Pond discharge rate calculations are based on the orifice equation. As shown by these calculations, the amount of runoff discharged to the west and into Zuni Road will be decreased by development. The quantity of runoff which will be discharged into San Pablo Road will increase by only 0.6 cfs. There are no off site flows affecting this site. An offsite flow with a magnitude of 0.5 cfs affected the previous submittal. This flow was generated by the southeast quadrant of the current site. Now that that parcel of land has been incorporated into the site, it is no longer an offsite flow. Lastly, it appears that the flows in San Pablo Road and Zuni Road are confined to the street right-of-way.

26 1589 0484

REVISIONS

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO THOMAS MANN

ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 789 REGISTERED ARCHITECT

ARCHITECT

THE EAST · CENTRAL MULTI · SERVICE CENTER

PROJECT NO. 8208

DATE SEPT. '83

C2.1

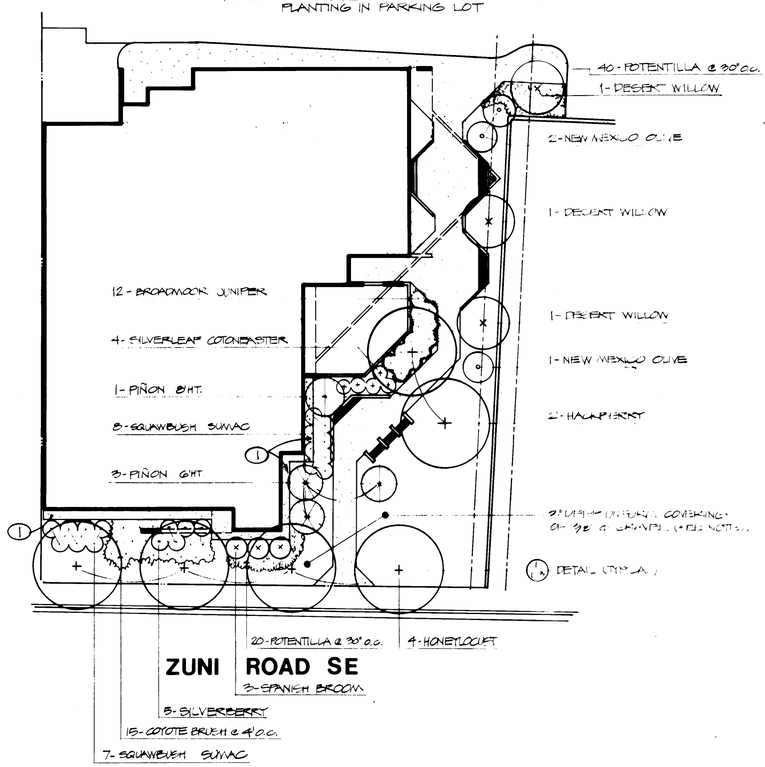
SHEET OF

NOTE : ALL LANDSCAPE PLANTINGS AND IRRIGATION ACTIVITY SHALL BE MIN. 5' FROM THE BLDG. PERIMETER

QUANTITY BASE BID:	QUANTITY ALTERNATE BID:	COMMON NAME	BOTANICAL NAME	SIZE	NOTES
	8	ARIZONA CYPRESS	CUPRESSUS ARIZONICA	5-GAL.	MIN 4'HT., FULL
	8		ARTEMISIA TRIDENTATA	3-GAL.	MIN 12" HT.
15	15	BLANKET FLOWER	GAILLARDIA PULCHELLA	1-GAL.	
15	15	BLUE FLAX	LINUM PERENNE SSP. LEWISII	1-GAL.	MIN. 8" HT.
21	12	BROADMOOR JUNIPER	JUNIPERUS SABINA BROADMOOR	5-GAL.	MIN. 18" SPREAD
20	15	COYOTE BRUSH	BACCHARIS PILULARIS	1-GAL.	
		CREEPING COTONEASTER	COTONEASTER ADPRESSUS	5-GAL.	MIN. 18" SPREAD
6	3	DESERT WILLOW	CHILOPSIS LINEARIS	15-GAL.	MIN. 5' HT
		DWARF OREGON GRAPE	MAHONIA AQUIFOLIUM COMPACTA	5-GAL.	MIN. 10" HT AND FULL
2	2	HACKBERRY	CELTIS OCCIDENTALIS	2½" CAL.	B&B, MIN. 10' HT.
3		HEAVENLY BAMBOO	NANDINA DOMESTICA	5-GAL.	MIN. 18" HT & SPREAD
4	4	HONEYLOCUST	GLEDITSIA TRIACANTHOS 'SHADEMASTER'	2½" CAL.	B&B
3	4	LONDON PLANE TREE	PLATANUS ACERIFOLIA	2½" CAL.	B&B
5	3	NEW MEXICO OLIVE	FORESTIERA NEOMEXICANA	6' HT.	MIN. 5 STEMS, AVG. C/L 1½"
		PHOTINIA	PHOTINIA FRASERI	5-GAL.	MIN. 4'-3', FULL
2	4	PIÑON	PINUS EDULIS	8' HT./ø HT	B&B SEE PLAN
60	60	POTENTILLA	POTENTILLA FRUTICOSA 'GOLD DROP'	3-GAL.	12" MIN. HT.
4	5	SILVERBERRY	ELAEAGNUS PUNGENS	5-GAL.	MIN. HT. 2'
5	4	SILVERLEAF COTONEASTER	COTONEASTER BUXIFOLIUS	5-GAL.	
8	3	SPANISH BROOM	GENISTA HISPANICA	5-GAL.	
7	15	SQUAWBUSH SUMAC	RHUS TRILOBATA	5-GAL.	18" MIN. HT.
		PURPLELEAF WINTERCREEPER	EUONYMUS FORTUNEI COLORATA	1-GAL.	2' MIN SPREAD

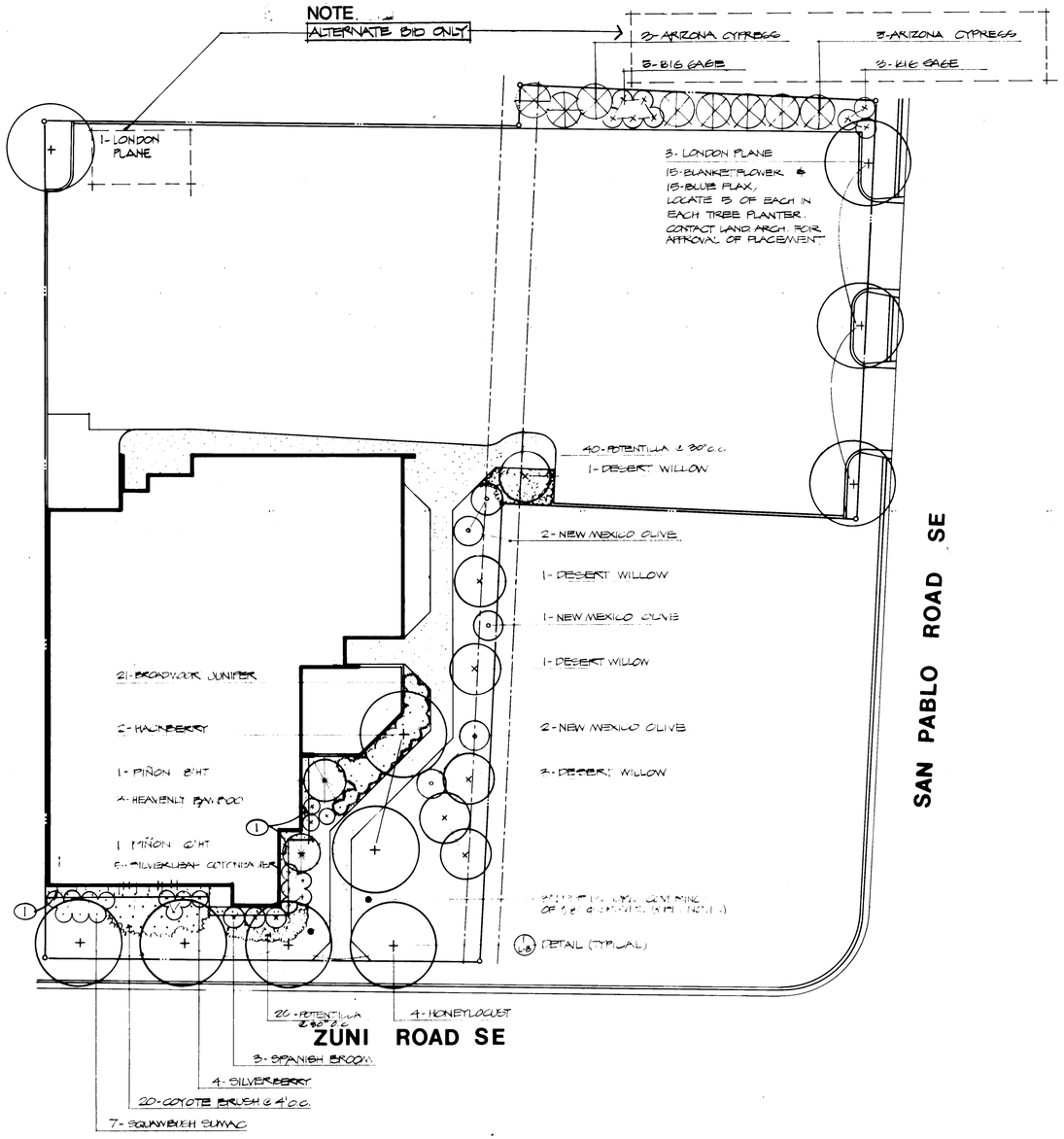
NOTE:
- PROVIDE A 3" DEEP UNIFORM COVERING OF ¾" ø GRAVEL IN PLANTING AREAS AND ALL UNPAVED AREAS OF THE SITE, UNLESS OTHERWISE NOTED.

NOTE: SEE "BASE BID PLAN" AT RIGHT FOR PLANTING IN PARKING LOT



Site Plan – Alternate #1

Scale: 1" = 20'



Site Plan – Base Bid

Scale: 1" = 20'

Craig Campbell + Associates
LANDSCAPE ARCHITECTS SITE PLANNERS

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

NOTES

1. 4" REINF. CONC. MOISTURE APRON @ 2' WIDE (TYPICAL)

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

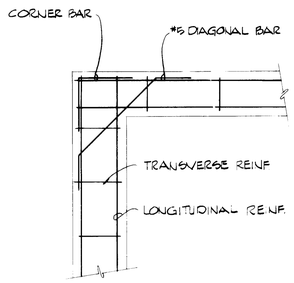
ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 755
REGISTERED ARCHITECT
ARCHITECT

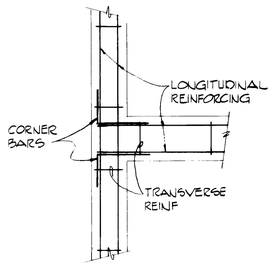
THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

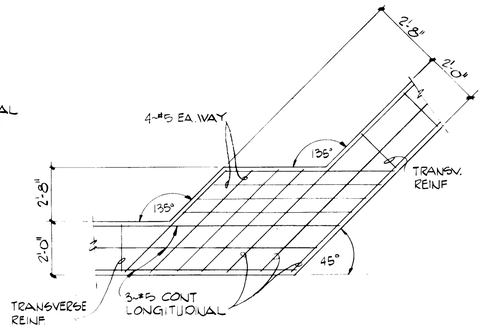
SHEET 5 OF 56



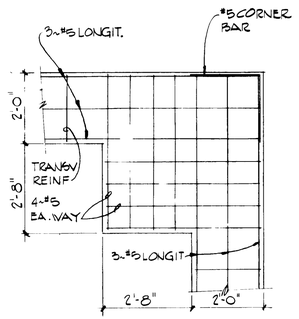
DETAIL F1



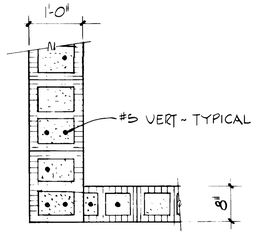
DETAIL F2



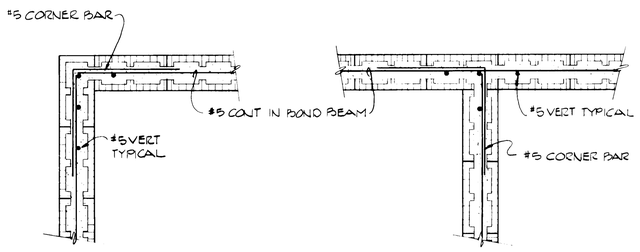
DETAIL F3



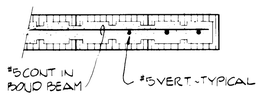
DETAIL F4



DETAIL M5

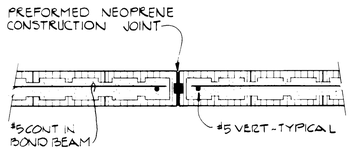


DETAIL M1



NOTE: TYPICAL AT END OF WALL OR JAMB OF OPENING.

DETAIL M2



NOTE: STOP MASONRY AND BOND BEAM REINFORCING, EXCEPT AT JOIST BEARING, AT CONTROL JOINT.

DETAIL M3

DETAIL M4

GENERAL NOTES - FOOTING DETAILS

1. Except as otherwise shown, all strip footings are 12" thick and are centered under the walls they support. See FOUNDATION PLAN, Sheet S-1, for footing widths.

2. Reinforcing shown in footing details F1 through F4 is at bottom of footing. See foundation sections on Sheet S-3 for top of footing reinforcing.

3. Dowels to walls are not shown. See foundation sections on Sheet S-3 and masonry details this sheet for required wall reinforcing.

4. Provide #5 corner and diagonal bars at locations shown in footing details. Legs of corner bars shall be not less than 24 inches in length and tails of diagonal bars shall be not less than 16 inches in length.

5. Except as otherwise shwon, bottom of footing reinforcing shall be as follows.

Footing Width	Longitudinal Reinforcing	Transverse Reinforcing
1'-8" and less	2-#5	#4 @ 32" o/c
1'-9" through 2'-8"	3-#5	#4 @ 24" o/c
2'-9" through 3'-8"	4-#5	#4 @ 12" o/c

GENERAL NOTES - CONCRETE CONSTRUCTION

1. GENERAL. Except as otherwise shown, reinforcing shall be placed in accordance with the latest edition of the CRSI Placing Manual.

2. PLACEMENT OF REINFORCING AND OTHER ITEMS. Reinforcing, dowels, bolts and any other inserts shall be fastened into position before concrete is placed. Drilled-in expansion anchors shall not be used except where specifically shown on the drawings. Vertical reinforcing in walls shall be placed at the center of the wall except as otherwise shown. The spacings shown for reinforcing and other anchorage and embedded items are maximums. Provide and install a sufficient number of items so that the spacings shown are not exceeded. The first and last items in a group of uniformly spaced items shall be located at not more than one-half the typical spacing nor 12 inches from the end of a structural element.

3. CONTINUITY OF REINFORCING.
   a) General. Except where lengths of reinforcing are given, reinforcing shall be continuous for the full length or width of a structural element. Hooks in reinforcing which are not otherwise detailed shall be standard ACI hooks. Splices in reinforcing which are not otherwise detailed shall be ACI Class C splices.

   b) Vertical Reinforcing. No splices permitted except as shown.

3. CONTINUITY OF REINFORCING. (Continued)

   c) Horizontal Reinforcing:
      i) Footings, stem walls, turned-down slab edges: Bars shall be lapped not less than 32 bar diameters nor 24 inches. Additional reinforcing shall be provided at corners, intersections and other discontinuities as shown in the details on this sheet and elsewhere on the drawings.

      ii) Concrete slabs: Welded wire fabric shall be lapped not less than one-and-one half meshes nor 8 inches on all sides.

4. JOINTS.
   a) Slabs on grade: Joints shall be located where shown on the drawings except as otherwise approved by the Architect.

   b) Footings, stem walls: Joints shall be placed at locations to be selected by the Contractor subject to the following restrictions. There shall be no joints within 4 feet of any corner or intersection. Joints in walls shall be offset from joints in footings by not less than 4 feet. Splices in reinforcing shall not be located within 4 feet of any joint in the concrete. Provide horizontal and vertical keys at all joints in walls or footings or between walls and footings.

GENERAL NOTES - MASONRY CONSTRUCTION

1. REINFORCING.

   a) Vertical Reinforcing.
   Except as otherwise shown in the masonry details (M1 through M4) on this sheet and the FOUNDATION PLAN, Sheet S-1, provide #5 @ 32" o/c, bars to be placed at the center of the wall. Place bars in lengths as long as practical; lap bars not less than 24 inches at splices. Provide #5 dowels from footings at all vertical bars with 8 inch (minimum) horizontal legs and 32" (minimum) vertical legs.

   b) Horizontal Reinforcing.

   Bond Beams. Reinforce with 1-#5 continuous. Lap bars not less than 24 inches at splices. Use #5 corner bars with 24 inch legs at all corners and intersections as shown in details M1 and M2 on this sheet. Provide continuous bond beams at tops of walls, at joist bearings, at roof level along non-bearing walls, and at the following elevations (measured to the top of the bond beam): 0'-0", 7'-4" and 8'-0". Where bond beams must be stepped to follow slope of roof, steps shall be 8 inches. Overlap bond beams and reinforcing not not less than 2'-8" at steps.

   Bearing and Lintel Beams. Provide and reinforce as shown on the roof framing sections.

   Joint Reinforcing. Provide type as specified at alternate courses. Maintain continuity at corners and intersections by use of prefabricated items or other approved means. Lap not less than 8" at splices in straight runs. Stop joint reinforcing at masonry control joints. See detail M4 this sheet.

2. MASONRY UNITS. Except as otherwise shown, provide units with manufacturer's standard finishes and colors at all locations, including construction below grade, where masonry will not be exposed to view after construction is complete. In other locations provide units with surface textures and colors as indicated on the building elevations on Sheets A2 and A2.5.

3. ANCHOR BOLTS AND EXPANSION ANCHORS. Drilled-in expansion anchors shall not be used except where specifically shown on the drawings. Anchor bolts and expansion anchors shall be firmly anchored in grout with both the cell containing the anchor and the cell below grouted solid. Where anchors are uniformly spaced, the first and last anchors shall be spaced at not more than half the typical spacing nor 16 inches from the end of a wall or beam.

4. CONTROL JOINTS. Control joints in masonry walls shall be located where shown on the foundation plan and the building elevations. Horizontal reinforcing masonry shall be stopped at control joints except at bond beams at joist bearings. Provide 1-#5 vertical on each side of each control joint as shown in detail M on this sheet.

5. GROUT. Grout lifts and free fall of grout in cmu wall shall not exceed 4 feet. Grout shall be placed using the low lift grouting method. Before grouting, cells and cavities to be grouted shall be cleaned of all trash, mortar droppings and fins, and standing water. All cells below finish floor shall be grouted solid. Except at the tops of walls, shear keys shall be provided at the top course of all cells containing vertical reinforcing by stopping the grout pour at midheight of the top course being ground. Masonry beams shall be grouted in one lift with no construction joints permitted. Mortar shall not be used as grout.

SCALE: F1-F4 3/8" = 1'-0"
M1-M5 3/4" = 1'-0"

26 1589 0984

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6900 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87110 505/ 265-3645

BURNS/PETERS GROUP ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84

REVISIONS

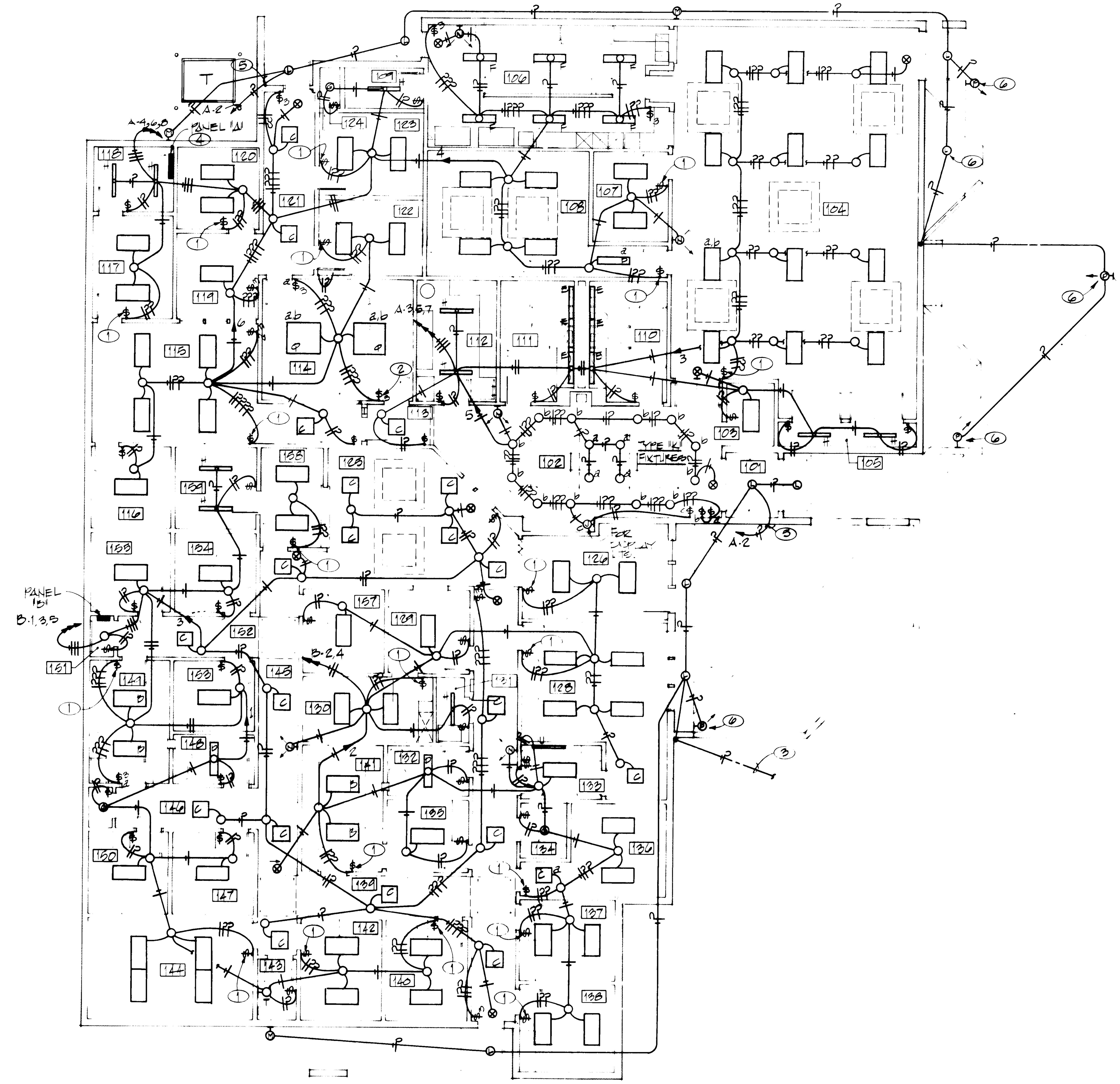
Charles Bacchus
ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 795
REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

S2
SHEET 9 OF 86



NOTE: REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.

PLAN - LIGHTING

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

NOTE: ALL 2'x4' FIXURES SHALL BE TYPE "V" UNLESS OTHERWISE INDICATED.

26 1584 0484

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
6000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505 265 3645

NOTES

1. TWO (2) SWITCHES, $a SHALL CONTROL CENTER LAMP AND $b SHALL CONTROL TWO OUTSIDE LAMPS IN ALL 2' X 4' FIXTURES IN THIS ROOM.
2. TWO (2) SWITCHES, $a SHALL CONTROL CENTER PAIR OF LAMPS AND $b SHALL CONTROL TWO OUTSIDE PAIR OF LAMPS IN 4' X 4' FIXTURES IN THIS ROOM.
3. SEE SITE PLAN FOR CONTINUATION.
4. FURNISH AND INSTALL 30A/2P LIGHTING CONTACTOR FOR CONTROL OF EXTERIOR LIGHTING. INSTALL CONTACTOR IN BOTTOM SKIRT OF PANEL "A". CONTACTOR SHALL BE CONTROLLED BY PHOTO-CELL ABOVE PANEL "A".
5. EXTEND TO CIRCUIT INIDCATED THRU LIGHTING CONTACTOR. USE #10 CONDUCTORS.
6. LIGHT FIXTURES SHOWN SHALL ONLY BE INSTALLED UNDER ADDITIVE ALTERNATE. REFER TO ARCHITECTURAL DRAWINGS A-2 FOR DETAILS.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT 84
Charlie Otero

REVISIONS AS BUILT AUG 1984

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 1883 W. DEAN POWELL
ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 789 REGISTERED ARCHITECT
ARCHITECT

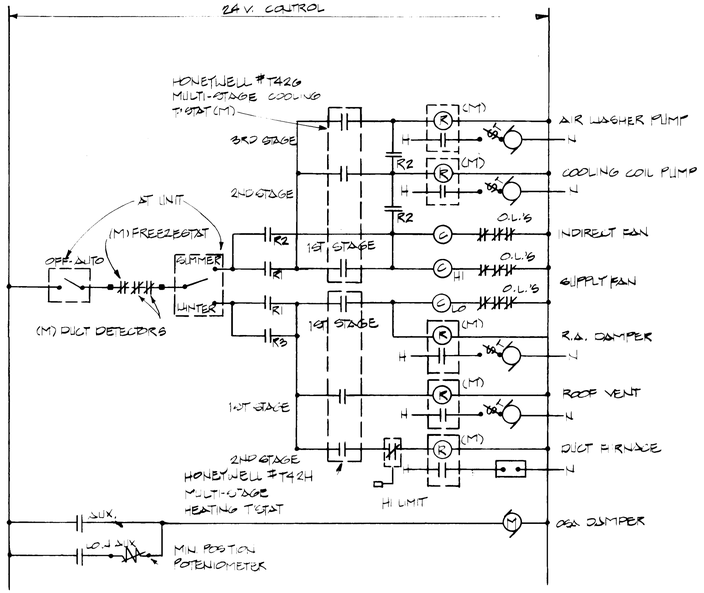
THE EAST-CENTRAL MULTI-SERVICE CENTER

PROJECT NO. 8205

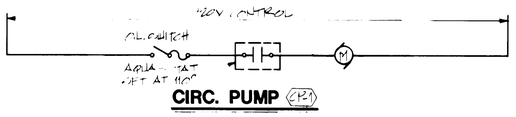
DATE MAY '83

E1

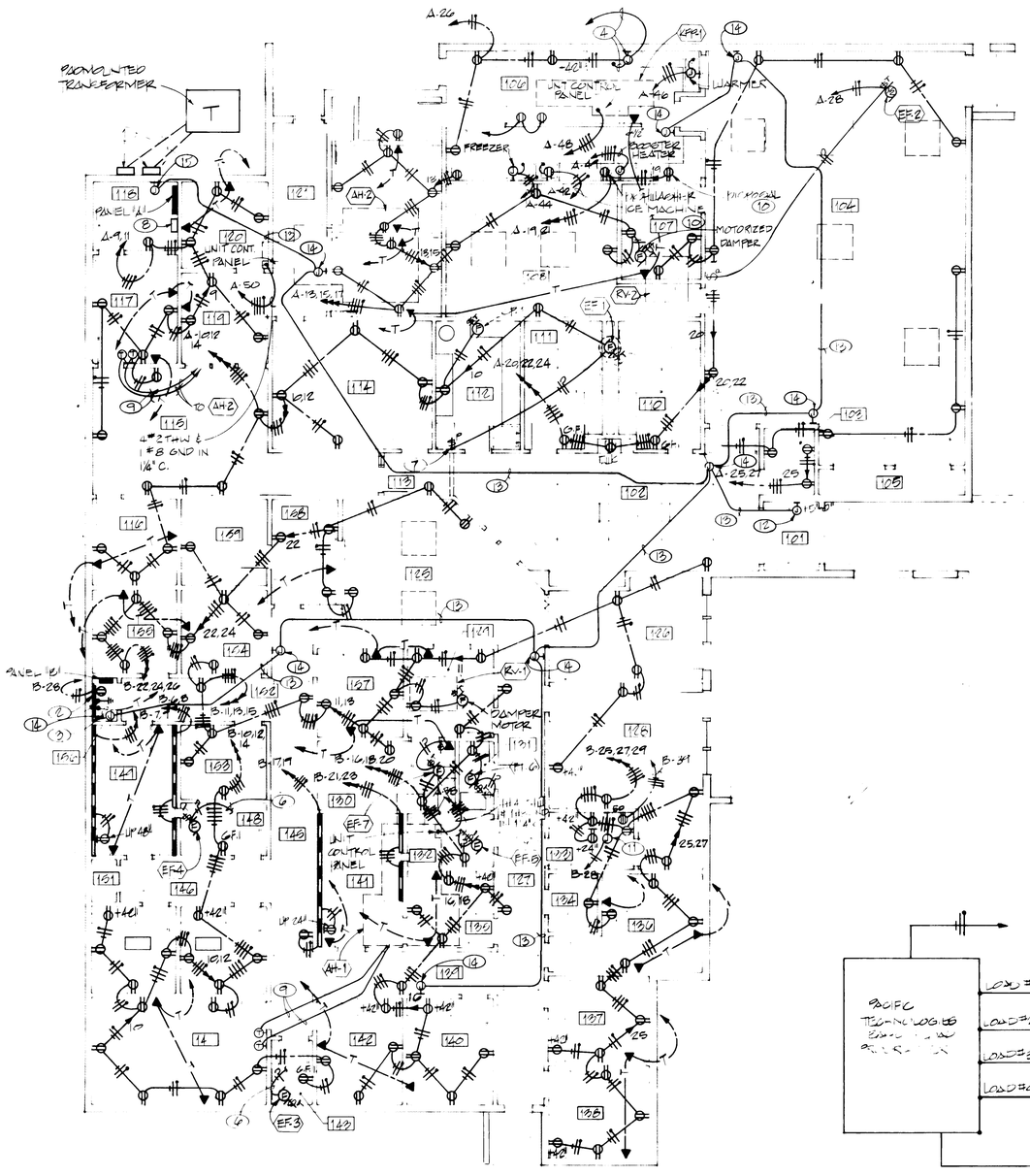
SHEET 34 OF 36



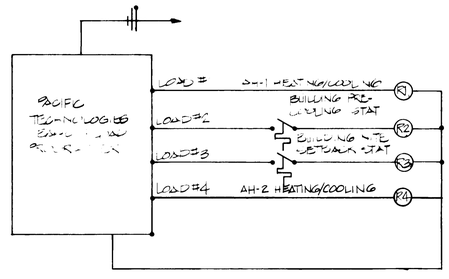
AIR HANDLING UNIT (AH-1) & (AH-2)



CONTROL DIAGRAMS



PLAN – POWER & SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"



LOAD PROGRAMMER DIAGRAM

NOTES

1. SERVICE ENTRANCE EQUIPMENT, SEE SITE PLAN RISER DIAGRAM FOR DETAILS.
2. 4' X 8' X 3/4" PLYWOOD TELEPHONE BACKBOARD WITH #6 GROUND PER MOUNTAIN BELL REQUIREMENTS.
3. 2"C. TO PROPERTY LINE. SEE SITE PLAN FOR DETAILS.
4. J-BOX FOR CONNECTION OF FIRE PROTECTION SYSTEM. CONNECT TO GAS SOLENOID VALVE AND FIRE PROTECTION SYSTEM.
5. NOT USED
6. EXTEND TO LIGHT FIXTURE.
7. LABEL SWITCH "TOILET EXHAUST".
8. PROVIDE AND INSTALL 12"x12"x4" D CABINET WITH 24V CONTROL TRANSFORMER AND RELAYS AS SHOWN IN CONTROL DIAGRAMS.
9. NUMBER OF CONTROL WIRES AS REQUIRED IN CONDUIT.
10. 120V, 1Ø, 30A.
11. J-BOX FOR CONNECTION OF KITCHEN HOOD.
12. J-BOX FOR CONNECTION OF ALARM SYSTEM ANNUNCIATOR.
13. 1" CONDUIT FOR FUTURE ALARM SYSTEM.
14. J-BOX FOR CONNECTION TO ALARM SYSTEM. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
15. J-BOX FOR CONNECTION TO 120V POWER FOR FUTURE ALARM SYSTEM.

THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS
4000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE NM 87110 505-265 3645

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE: 12 SEPT. 84

REVISIONS AS BUILT AUG. 1984

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No 1883 W. DEAN POWELL
ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 789 REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
DATE MAY '83

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PANEL SCHEDULE

PANEL DESCRIPTION	CCT. NO.	C/B	WIRE	LOAD DESCRIPTION
PANELS 120/208V - 3Ø, 4W, 225A MLO, SURFACE MOUNTED, BOTTOM FEED, FULL SKIRTS.	PANEL "A" 2 SECTION			
	1 THRU 41	20A/1P	#12	LIGHTING, RECEPT. MISC. MECHANICAL & SPARE.
	42-46	30A/1P	#10	MECH. & KITCHEN EQUIPMENT
	46	20A/2P	#12	KITCHEN EQUIPMENT
	48	20A/3P	#12	MECHANICAL
	49	30A/3P	#10	
	51 THRU 54	1 POLE	---	SPACES
	50	100A/3P	#2	MECHANICAL EQUIPMENT
	45, 47	30A/1P		SPARE
	PANLE "B"			
	1 THRU 37	20A/1P	#12	LIGHTING, RECEPTACLES, SPARES
	39	50A/2P	#6	RANGE
	38	100A/3P	#1/0	AH-1

FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MOUNTING
A	BENJAMIN #AGA-7234-4	3/F40/CW	RECESSED
B	BENJAMIN #AFA-7234-4	3/F40/CW	RECESSED
C	BENJAMIN #AGA-7224-2	2/U40/CW	RECESSED
D	BENJAMIN #AGA-2224-4	2/F40/CW	RECESSED
E	LITE CONTROL #WD-66-2-4-RS-CWM	2/F40/CW	WALL/CEILING INTERSECTION
F	LITE CONTROL #S-DE-21-2-4-RS	2/F40/CW	SURFACE
G	PORCELAIN LAMPHOLDER	1/75W/1F	SURFACE
H	UTILITY STRIP	2/F40/CW	SURFACE
K	PRESCOLITE #79-832	1/75W/ER30 FLOOD	RECESSED
L	PRESCOLITE #9056-70HPS-M/1-120V	1/70W/HPS	RECESSED
M	MOLDCAST #89020-12-82-00	1/70W/HPS	
N	DUAL-LITE #CPL2-0	FURNISH W/ FIXT. 1/100W/MV GE DLX WH	BRK. UP +7'-0"
P	MC PHILBEN #3W-436		SEE PLANS
Q	BENJAMIN #AGB-27264-4	6/F40/CW	RECESSED
R	MOLDCAST #3105-A-70-120V-10' (2)	1/70W/HPS	POLE 10'-0"
S	KIM #IB-EKG401/250HPS120/BLE/ PKG-25-BLE	1/250W/HPS	POLE 25'-0"
T	ARTMETAL #9000	2/60W/IF	BKT. OVER MIRROR
U	ALKCO#	2	UNDER CABINET
⊗	DEVINE #GS80SR SERIES WITH ARROWS AS SHOWN	FURNISH W/ FIXT.	CEILING SURFACE

SYMBOL LEGEND

SYMBOL	DESCRIPTION
(E)	CEILING OUTLET AND FIXTURE.
(B)	BRACKET OUTLET AND FIXTURE.
	FLUORESCENT OUTLET AND FIXTURE.
	TYPE AS INDICATED IN FIXTURE SCHEDULE
S^{EW}	EVAPORATIVE COOLER SWITCHES, ONE "ON-OFF" FOR FAN AND ONE "ON-OFF" FOR PUMP.
S	SINGLE POLE WALL SWITCH.
S^{3}	THREE WAY WALL SWITCH.
S^{P}	PILOT SWITCH.
S^{T}	THERMAL SWITCH, WEATHERPROOF IF INSTALLED IN WET OR EXTERIOR LOCATIONS.
	UP 48" UNLESS OTHERWISE INDICATED.
(J)	JUNCTION BOX FLUSH IN WALL, HEIGHT AS NOTED WITH CONNECTION TO EQUIPMENT.
	DUPLEX GROUNDING TYPE CONVENIENCE OUTLET INSTALLED WITHIN ELECTRIC WATER COOLER ENCLOSURE.
	DUPLEX CONVENIENCE OUTLET, UP 15" OR AS INDICATED. WP DENOTES WEATHERPROOF.
	250 VOLT, 3 WIRE RANGE TYPE OUTLET, FLUSH MOUNTED AT HEIGHT INDICATED AND FURNISHED FOR RATED AMPERAGE.
(T)	THERMOSTAT, UP 48" UNLESS OTHERWISE INDICATED.
(C)	CLOCK, FLUSH MOUNTED AT HEIGHT AS INDICATED.
	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
	ELECTRIC PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
(4)	MOTOR CONNECTION WITH HP INDICATED.
	MOTOR CONTROLLER, SIZE AND POLES FOR MOTOR FURNISHED, IN NEMA 1 ENCLOSURE UNLESS OTHERWISE NOTED.
	SAFETY SWITCH, TO HAVE POLES AND RATING REQUIRED. TO BE NEMA 3R IF INSTALLED OUTDOORS.
(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.
	JUNCTION BOX INSTALLED ABOVE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MINIMUM 4'-0" LENGTH OF CONDUIT WITH CONDUCTORS REQUIRED ALONG WITH GREEN WIRE GROUND.
(P)	PHOTOCELL LIGHTING CONTROLLER, PRECISION T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED 12" ABOVE ROOF WITH WINDOW FACING NORTH.
	BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT IN WALLS OR UNDER FLOOR WITH CONDUCTORS INDICATED.
A-3 B	HOME RUN TO PANEL, WITH BRANCH CIRCUIT NUMBERS INDICATED.
—T—	TELEPHONE CONDUIT, MINIMUM 3/4" WITH PULL WIRE.
—T→	1" CONDUIT WITH PULL WIRE TO TELEPHONE TERMINAL CABINET.
	TELEPHONE OUTLET, UP 15" OR AS INDICATED.
	"WIREMOLD" 2006A6IR WIRED FOR 2 CIRCUITS. SURFACE MOUNTED. INSTALL ON WALL ON TOP OF SPLASH.

LOAD SUMMARY - 120/208V, 3Ø, 4W

	CONNECTED	EST. DEMAND
PANEL "A" -	61 KW (171A)	50 KW (139A)
PANEL "B" -	38 KW (106A)	43 KW (119A)

SHORT CIRCUIT AVAILABILITY

BASED ON MAXIMUM BUILDING TRANSFORMER S.C. EFF THRU WITH UNLIMITED PRIMARY S.C. CURRENT.

(PANEL "A")

ASSUME BUILDING TRANSFORMER	150 KVA
TRANSFORMER IMPEDANCE "Z"	2
S.C.A. - SWITCH	20,833 AMPS
LOAD SIDE SWITCH	4,800 AMPS

(PANEL "B")

ASSUME BUILDING TRANSFORMER	150 KVA
TRANSFORMER IMPEDANCE "Z"	2
S.C.A. - SWITCH	20,833 AMPS
LOAD SIDE SWITCH	4,800 AMPS

PROVIDE MINIMUM 10,000 AMP BRACING IN PANEL "A" & "B".

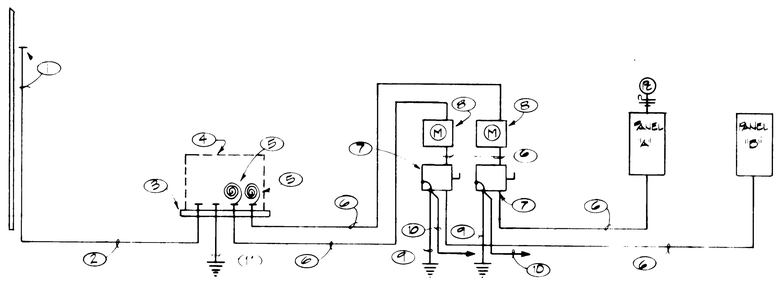
ENERGY CONSERVATION

THE PLANS AND SPECIFICATIONS AS DESIGNED ARE IN CONFORMANCE WITH THE STATE OF NEW MEXICO ELECTRICAL CODE, ARTICLE 220 ENERGY CONSERVATION. LIGHTING BUDGET:

17,400 WATTS / 10,136 SQ. FT. = 1.72 W/SQ. FT.

W. DEAN POWELL
P.E. 1883

POWER RISER DIAGRAM



THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS

6800 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, N.M. 87110 505 265 3645

NOTES (E)

1. RISER PER PUBLIC SERVICE CO. OF NEW MEXICO REQUIREMENTS.
2. 4"C. FOR PRIMARY PER PNM REQUIREMENTS.
3. TRANSFORMER PAD PER PNM DRAWING #DS-7-16.4.
4. TRANSFORMER BY PNM.
5. COIL 6' OF EXCESS CONDUCTORS FOR CONNECTION BY PNM.
6. 4#3/0 THW & 1#4 GRND. IN 1/2"C.
7. 200A/3P+SN WITH GROUND LUGS, 250V, FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. FUSE SWITCH WITH 200AMP BUSS LPN-RK FUSES.
8. METERING PER PNM REQUIREMENTS.
9. 1#4 BSD CU. SERVICE GROUND.
10. 1#6 BSD CU. GROUND TO NEAREST COLD WATER PIPE.
11. GROUND ROD.
12. POLE BASE TO BE SIMILAR TO FIXTURE "S" EXCEPT 12" SQUARE TOP FLUSH W/GRND. 3½ FT. DEEP.

BURNS/PETERS GROUP-ARCHITECTS
RECORD DRAWING
DATE 12 SEPT 84
Charlie Teo

REVISIONS AS BUILT AUG. 1984

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 1883 W. DEAN POWELL
ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 755 REGISTERED ARCHITECT
ARCHITECT

THE EAST·CENTRAL MULTI·SERVICE CENTER

PROJECT NO. 8205
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SHEET 36 OF 36

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