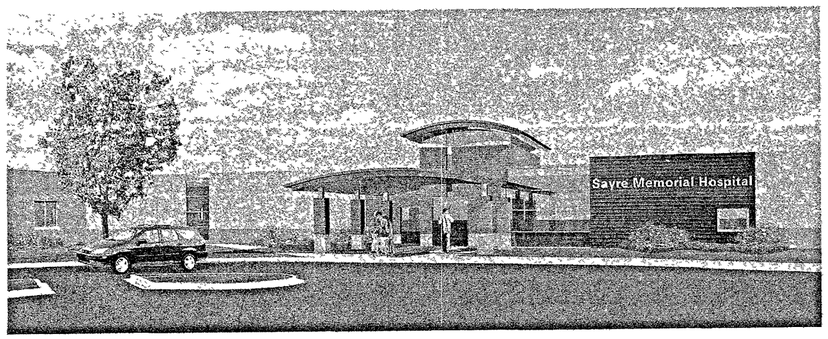
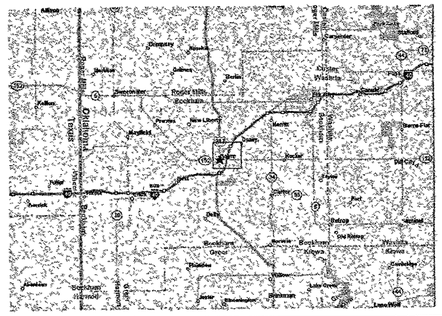


RENDERING FOR ILLUSTRATION ONLY - NOT FOR CONSTRUCTION

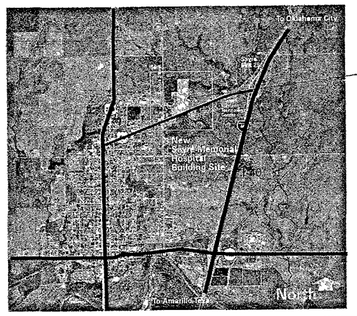
SAYRE MEMORIAL HOSPITAL

Sayre, Oklahoma

BECKHAM COUNTY MAP



SAYRE MAP



PROJECT LOCATION

PROJECT TEAM

CONSTRUCTION MANAGER
Joe D. Hall General Contractors, L.L.C

P O Box 100
Elk City, OK 73648

PHONE	(580) 225-3770
FAX	(580) 225-3420
CONTACT	Kris Richardson
E-MAIL	krsrichardson@cableone net

ARCHITECT
ACI/Boland, Inc

11229 Nall, Suite 140
Leawood, KS 66211

PHONE	(913) 338-2300
FAX	(913) 338-2003
CONTACT	Samuel Beckman
E-MAIL	sbeckman@aci-boland com

STRUCTURAL ENGINEER
Bob D. Campbell & Co

4338 Belevew
Kansas City, Mo. 64111

PHONE	(816) 531-4144
FAX	(816) 531-8572
CONTACT	Mike Falbe or Rebecca Flege
E-MAIL	mfalbe@bdc-engrs.com rflege@bdc-engrs.com

MECHANICAL, PLUMBING, ELECTRICAL & FIRE PROTECTION ENGINEERS
Bredson and Associates, Inc

8511 Hillcrest, Suite 100
Kansas City, MO 64138

PHONE	(816) 356-6569
FAX	(816) 356-9145
CONTACT	Brian Clark or Dan Koehly
E-MAIL	b.clark@bredson com or g koehly@bredson com

PROJECT INFORMATION

PROJECT ADDRESS : Near NE Hwy 66th and Electra
Sayre, Oklahoma 73662

Code Authority: INTERNATIONAL BUILDING CODE - 2003 ED.
NFPA 101 LIFE SAFETY, 2003 ED
OKLAHOMA STATE DEPARTMENT OF HEALTH
CHAPTER 667 HOSPITAL STANDARDS
AMERICAN WITH DISABILITIES ACT (ADA) 1992

Use Group Classification:	**I-2**
Type of Construction:	**Type IIB**
Allowable Height:	**1 Story**
Actual Height:	**1 Story**
Automatic Sprinkler System:	**Yes**

SYMBOLS LEGEND

- ROOM NAME (TOP) AND ROOM NUMBER (BOTTOM)
- INTERIOR ELEVATION - DETAIL NO (OUTSIDE), SHEET NO (INSIDE)
- DETAIL REFERENCE - DETAIL NO (TOP), SHEET NO. (BOTTOM)
- WALL SECTION NUMBER
- PARTITION TYPE
- DOOR NUMBER
- INDICATES BUILDING COLUMN GRID LINE

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS
3. THE GENERAL CONTRACTOR AND / OR SUBBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
4. DO NOT SCALE DRAWINGS.
5. THE WORD "ALIGN" AS USED IN THESE DOCUMENTS SHALL SUPERSEDE ANY DIMENSIONAL INFORMATION GIVEN.
6. TYPICAL DIMENSIONS ARE TO FACE OF CONCRETE, DRYWALL, CURTAIN WALL, ETC , OR TO COLUMN CENTERLINE DIMENSIONS AT WINDOWS ARE TYPICALLY TO FACE OF FRAME. REFER TO PLAN DETAILS FOR ADDITIONAL INFORMATION
7. THE GENERAL CONTRACTOR AND / OR CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
8. THE GENERAL CONTRACTOR AND / OR CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR CLEAN-UP
9. THE GENERAL CONTRACTOR AND / OR CONSTRUCTION MANAGER SHALL INSPECT AND CHECK THE ADEQUACY AND INSTALLATION OF THROUGH-WALL FLASHING PRIOR TO COVERING WITH FINISH MATERIALS THIS SHALL INCLUDE, BUT IS NOT LIMITED TO INSPECTION AGAINST HOLES OR PENETRATIONS, APPROPRIATE LAPPING AND SEALING, AND OVERALL WORKMANSHIP IN CONFORMANCE WITH THE SPECIFICATIONS

SHEET INDEX

ARCHITECTURAL

	COVER SHEET
	ALTA SURVEY
A0.01	WALL TYPES / WALL DTLS.
A0.02	FIRE AND SMOKE PLAN
C1 01	SITE UTILITIES PLAN
C-1	STORMWATER PIPING PLAN
C-2	STORM STRUCTURES AREAS
C-3	STORMWATER 100YR AND 25 YEAR CALCS
C-4	STORMWATER DETENTION BASINS
C-5	EROSION AND SEDIMENT CONTROL
C-6	EROSION CONTROL / DETAILS
C-7	STORMWATER DETAILS
C-8	STORMWATER DETAILS
A1 01	SITE PLAN
A1 02	GRADING PLAN
A1.03	SITE DETAILS
A2 01	1/16" OVERALL FLOOR PLAN
A2 02	1/16" ROOF PLAN
A3 01	1/8" ENLARGED FLOOR PLAN - AREA 'A'
A3.02	1/8" ENLARGED FLOOR PLAN - AREA 'B'
A3 03	1/8" ENLARGED FLOOR PLAN - AREA 'C'
A3 04	1/4" ENLARGED FLOOR PLANS
A4.01	1/8" REFLECTED CEILING PLAN / DETAILS - AREA 'A'
A4.02	1/8" REFLECTED CEILING PLAN - AREA 'B'
A4 03	1/8" REFLECTED CEILING PLAN - AREA 'C'
A5 01	DOOR SCHEDULE AND ELEVATIONS
A5 02	PLAN DETAILS
A6 01	1/16" EXTERIOR ELEVATIONS
A6 02	1/8" EXTERIOR ELEVATIONS
A6 03	1/8" EXTERIOR ELEVATIONS
A7.01	BUILDING SECTIONS
A7 02	WALL SECTIONS
A7 03	WALL SECTIONS
A7.04	WALL SECTIONS
A7.05	WALL SECTIONS
A7 06	WALL SECTIONS
A8 01	INTERIOR DETAILS
A8 02	INTERIOR DETAILS
A9 01	1/4" INTERIOR ELEVATIONS
A9 02	1/4" INTERIOR ELEVATIONS
A9 03	1/4" INTERIOR ELEVATIONS
A9 04	1/4" INTERIOR ELEVATIONS
A9 05	NOT USED
F2 01	1/16" INTERIOR FINISHES FLOOR PLAN
F2.02	INTERIOR FINISH SCHEDULE
SIGN 1	EXTERIOR SIGNAGE
SIGN 2	INTERIOR SIGNAGE LOCATOR PLAN
SIGN 3	INTERIOR SIGNAGE LOCATOR PLAN
SIGN 4	INTERIOR SIGNAGE SCHEDULE AND DETAILS

STRUCTURAL

S1 00	GENERAL NOTES / SCHEDULES / CMU SECTIONS
S3 01	FOUNDATION PLAN- AREA 'A'
S3 02	FOUNDATION PLAN- AREA 'B'
S3.02A	FOUNDATION PLAN- AREA 'B'
S3.03	FOUNDATION PLAN- AREA 'C'
S3.03A	FOUNDATION PLAN- AREA 'C'
S4 01	ROOF FRAMING PLAN- AREA 'A'
S4.02A	ROOF FRAMING PLAN- AREA 'B'
S4.03A	ROOF FRAMING PLAN- AREA 'C'
S5.00	FOUNDATION SECTIONS
S5.01	ROOF FRAMING SECTIONS
S5.02	ROOF FRAMING SECTIONS
S5.03	ROOF FRAMING SECTIONS
S6.01	DIAGONAL BRACES

PLUMBING - MECHANICAL - ELECTRICAL

PME1 0	MECHANICAL / ELECTRICAL SITE PLAN
PME2.0	MECHANICAL, PLUMBING, & ELECTRICAL MAINTENANCE BLDG PLANS
P1.01	UNDERGROUND FLOOR PLAN - AREA 'A'
P1 02	UNDERGROUND FLOOR PLAN - AREA 'B'
P1 03	UNDERGROUND FLOOR PLAN - AREA 'C'
P2 01	FLOOR PLAN - PLUMBING - AREA 'A'
P2.02	FLOOR PLAN - PLUMBING - AREA 'B'
P2 03	FLOOR PLAN - PLUMBING - AREA 'C'
P3.02	FLOOR PLAN - MEDICAL GAS - AREA 'B'
P3.03	FLOOR PLAN - MEDICAL GAS - AREA 'C'
P4.01	ROOF PLAN - PLUMBING - AREA 'A'
P4.02	ROOF PLAN - PLUMBING - AREA 'B'
P4.03	ROOF PLAN - PLUMBING - AREA 'C'
P5.01	PLUMBING DETAILS & SCHEDULES
M1 01	AREA 'A' FLOOR PLAN - MECHANICAL
M1 02	AREA 'B' FLOOR PLAN - MECHANICAL
M1 03	AREA 'C' FLOOR PLAN - MECHANICAL
M2 01	AREA 'B' FLOOR PLAN - MECHANICAL PIPING
M2.02	AREA 'C' FLOOR PLAN - MECHANICAL PIPING
M3 01	AREA 'A' ROOF PLAN - MECHANICAL
M3 02	AREA 'B' ROOF PLAN - MECHANICAL
M3 03	AREA 'C' ROOF PLAN - MECHANICAL
M4.01	MECHANICAL SYMBOLS AND NOTES
M4.02	MECHANICAL RISER DIAGRAMS
M4.03	MECHANICAL STEAM DETAILS
M4.04	MECHANICAL DETAILS
M4.05	MECHANICAL DETAILS
M4.06	CONTROLS SCHEMATICS AND SEQUENCES
M4.07	CONTROLS SCHEMATICS AND SEQUENCES
M4.08	CONTROLS SCHEMATICS AND SEQUENCES
M4.09	MECHANICAL SCHEDULES
M4.10	MECHANICAL SCHEDULES
E1.01	ELECTRICAL FLOOR PLAN - AREA 'A' POWER
E1 02	ELECTRICAL FLOOR PLAN - AREA 'B' POWER
E1 03	ELECTRICAL FLOOR PLAN - AREA 'C' POWER
E1 04	ELECTRICAL PLAN FOR TELEPHONE + TELE DATA
E2 01	ELECTRICAL FLOOR PLAN - AREA 'A' LIGHTING
E2.02	ELECTRICAL FLOOR PLAN - AREA 'B' LIGHTING
E2 03	ELECTRICAL FLOOR PLAN - AREA 'C' LIGHTING
E3.01	ELECTRICAL ROOF PLAN - AREA 'A'
E3 02	ELECTRICAL ROOF PLAN - AREA 'B'
E3.03	ELECTRICAL ROOF PLAN - AREA 'C'
E4 01	FIRE ALARM FLOOR PLAN - AREA 'A'
E4.02	FIRE ALARM FLOOR PLAN - AREA 'B'
E4.03	FIRE ALARM FLOOR PLAN - AREA 'C'
E5.01	NURSE CALL FLOOR PLAN - AREA 'B'
E5.02	NURSE CALL FLOOR PLAN - AREA 'C'
E6.01	PA/ INTERCOM SYSTEM PLAN - AREA 'A'
E6.02	PA/ INTERCOM SYSTEM PLAN - AREA 'B'
E6 03	PA/ INTERCOM SYSTEM PLAN - AREA 'C'
E7.0	ELECTRICAL RISER DIAGRAM
E7.1	PANELBOARD SCHEDULES
E7.2	PANELBOARD SCHEDULES
E7 3	PANELBOARD SCHEDULES
E8 0	LIGHT FITURE SCHEDULE
E8.1	ELECTRICAL SYMBOL LIST + DETAILS

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

OKLAHOMA — DAVID L. SAWOOD — 14464 — REGISTERED PROFESSIONAL ENGINEER — 7-13-07

ACI BOLAND — ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd, Suite 310, St. Louis, MO 63141
11229 Nall, Suite 140, Leawood, KS 66211, 913 338 2300, 913.338.2003 fax
1421 E 104 St, Kansas City, MO 64131

Bredson and Associates Inc. Mechanical / Electrical / Plumbing Consulting Engineers
8511 Hillcrest, Suite 100, Kansas City, Mo 64138, 816.356.6569

Bob D Campbell & Co Structural Engineers
4338 Belevew, Kansas City, Mo 64111, 816 531.4144

SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033.00
Drawn By	
Checked By	

Revisions

Number	Date	Description
1	7/13/07	GMP SET

COVER

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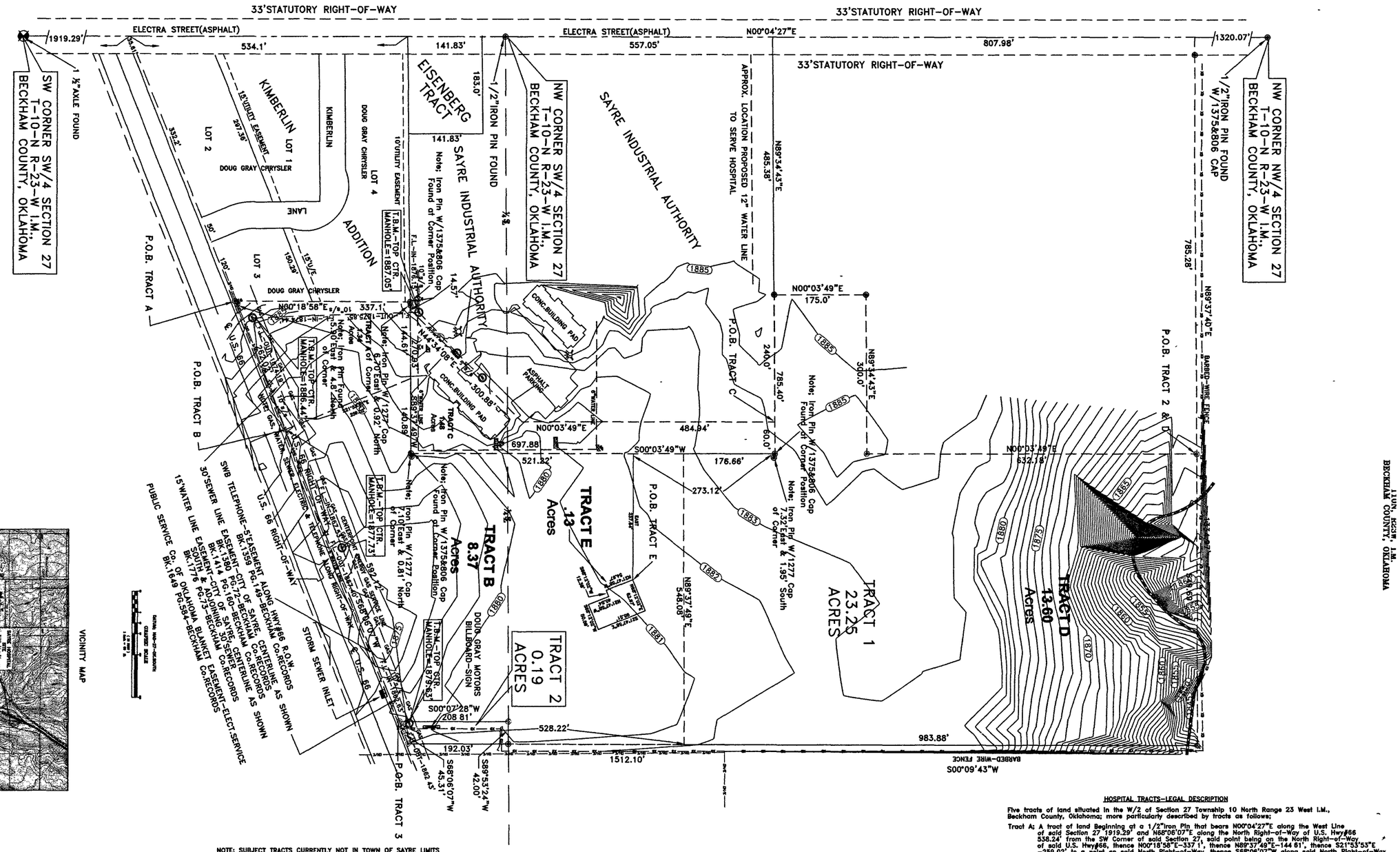


VICINITY MAP

NOT TO SCALE

NOTE; SUBJECT TRACTS CURRENTLY NOT IN TOWN OF SAYRE LIMITS TOWN OF SAYRE TO ANNEX PROPERTY INTO LIMITS AT UPCOMING COUNCIL MEETING.

SUBJECT TRACTS WILL THEN BE ZONED C-3 HIGHWAY COMMERCIAL NO BUILDING RESTRICTIONS OR SETBACK LINES OR OTHER RESTRICTIONS

BOB CRISSWELL-CITY INSPECTOR-TOWN OF SAYRE

NOTE; SUBJECT TRACTS ARE NOT SITUATED WITHING THE BOUNDS OF A DESIGNATED FLOOD ZONE AS DEFINED BY;

1)F.E.M.A. MAP No.400487 PANEL No. 300 A
PANEL No. 325 A

EFFECTIVE, JULY 17, 2002

LEGEND

- —TELEPHONE PEDESTAL
- —UTILITY POLE
- —LIGHT POLE
- —OVERHEAD ELECTRIC
- —FIRE HYDRANT
- —PAD MOUNTED ELECT.TRANS
- —WATER VALVE OR METER
- —1/2"IRON PIN WITH CAP

ALTA/ACSM LAND TITLE SURVEY

LEGAL DESCRIPTION

Two tracts of land situated in the W/2 of Section 27 Township 10 North Range 23 West I.M., Beckham County, Oklahoma; more particularly described by tracts as follows;

Tract 1: A tract of land Beginning at a 1/2"Iron Pin that beare S00°04'27"W-1320.07' and N89°37'40"E-785.28' from the NW Corner of the NW/4 of said Section 27, thence N89°37'40"E-549.69' to a 1/2"Iron Pin, thence S00°09'43"W-1320.07' to a 1/2"Iron Pin, thence S89°53'24"W-42.0' to a 1/2"Iron Pin, thence S00°07'28"W-208.81' to a 1/2"Iron Pin on the North Right-of-Way of U.S. Hwy#66, thence S88°06'07"W along said North Right-of-Way 853.92', thence N00°18'58"E-337.1' along the East Line of Kimberlin Addition to the Town of Sayre, Beckham County, Oklahoma to the NE Corner of said Addition, thence N89°37'49"E-285.5' to a 1/2"Iron Pin, thence N00°03'49"E-697.88'

HOSPITAL TRACTS-LEGAL DESCRIPTION

Five tracts of land situated in the W/2 of Section 27 Township 10 North Range 23 West I.M., Beckham County, Oklahoma; more particularly described by tracts as follows;

Tract A: A tract of land Beginning at a 1/2"Iron Pin that bears N00°04'27"E along the West Line of said Section 27 1919.29' and N88°06'07"E along the North Right-of-Way of U.S. Hwy#66 538.24' from the SW Corner of said Section 27, said point being on the North Right-of-Way of said U.S. Hwy#66, thence N00°18'58"E-337 1', thence N89°37'49"E-144 61', thence S21°53'53"E -259.02' to a point on said North Right-of-Way, thence S88°06'07"W along said North Right-of-Wa 262.02' to the Point of Beginning containing 1.34 acres more or less.

Tract B: A tract of land Beginning at a 1/2"Iron Pin that bears N00°04'27"E along the West Line of said Section 27 1919.29' and N88°06'07"E along the North Right-of-Way of U.S Hwy#66 800.26' from the SW Corner of said Section 27, said point being on the North Right-of-Way of said U.S Hwy#66, thence N21°53'53"W-259 02', thence N89°37'49"E-140.89', thence N00°03'49"E -521.22', thence N89°37'49"E-548.08', thence S00°09'43"W-528.22' to a point on said North Right-of-l thence S88°06'07"W-592.12' along said North Right-of-Way to the Point of Beginning LESS AND EXCEPT a 0 13 acre tract described herein as Tract E, leaving a tract containing 8.37 acres more or less.

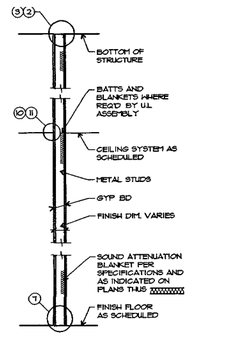
Tract C; A tract of land Beginning at a 1/2"Iron Pin that bears N00°04'27"E-557.05' and N89°34'43"E-725.38' from the NW Corner of the SW/4 of said Section 27, thence N89°34'43"E-80.0'to a 1/2"Iron Pin, thence S00°03'49"W-697.88' to a 1/2"Iron Pin, thence S89°37'49"W-270 93' to a 1/2"Iron Pin, thence N44°34'08"E-300.88' to a 1/2"Iron Pin, thence N00°03'49"E-484.94' to the Point of Beginning containing 1.48 acres more or less.

Tract D: A tract of land Beginning at a 1/2"Iron Pin that bears S00°04'27"W-1320.07' and N89°37'40"E-785 28' from the NW Corner of the NW/4 of said Section 27, thence N89°37'40"E-549 69' to a 1/2"Iron Pin, thence S00°09'43"W-983 88' to a 1/2"Iron Pin, thence S89°37'49"W-548.08' to a 1/2"Iron Pin, thence N00°03'49"E-176.66' to a 1/2"Iron Pin, thence S89°34'43"W-300.0' to a 1/2"Iron Pin, thence N00°03'49"E-175 0' to a 1/2"Iron Pin, thence N89°34'43"E-300.0' to a 1/2"Iron Pin thence N00°03'49"E-632 18' to the Point of Beginning containing 13.60 acres more or less.

Tract E: Commencing at the NW Corner of the SW/4 of said Section 27, thence N00°04'27"E-557.05', thence N89°34'43"E-785.38', thence S00°03'49"W-273 12', thence East-237.64' to the Point of Beginning, thence N68°12'02"E-62.97', thence S21°47'58"E-95.51', thence S68°12'02"W -50 59', thence N21°47'58"W-90 54', thence S68°12'02"W-12 38', thence N21°47'58"W-54.97' to the Point of Beginning containing 0.13 acres more or less.

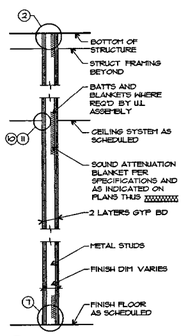
To ACI Boland, Sayre Memorial Hospital:

This is to certify that this map or plat and the survey on which it is based, were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA and NSPS in 2005, and includes items 1-7(c), 11(b), 13, 16 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the State of Oklahoma, the Relative Positional Accuracy of this Survey does not exceed that which is specified therein.



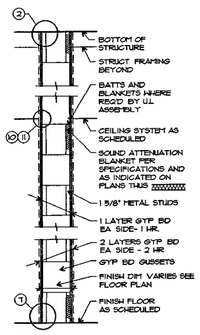
A GYPSUM BOARD BOTH SIDES

— — — 1 HR FIRE SEPARATION
UL U414 FOR 2 1/2" STUDS
UL U414 FOR 3 5/8" STUDS
UL U442 AT TILED WALLS



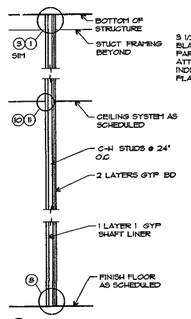
D DOUBLE LAYER GYPSUM BOARD BOTH SIDES

— — — 2 HR FIRE SEPARATION
UL U419
UL U443 AT TILED WALLS



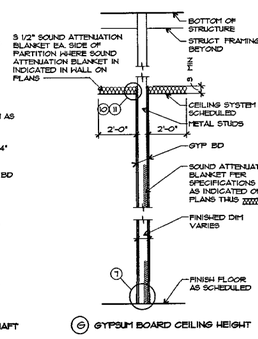
E GYPSUM BOARD CHASE WALL

— — — 1 HR FIRE SEPARATION
UL U420
UL U445 AT TILED WALLS
2 HR FIRE SEPARATION
UL U420
UL U444 AT TILED WALLS

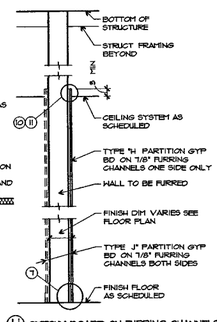


F GYPSUM BOARD CAVITY SHAFT WALL

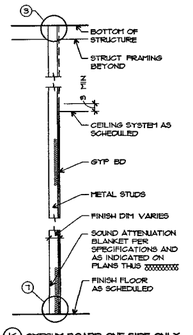
— — — 1 HR FIRE SEPARATION
UL U438
2 HR FIRE SEPARATION
UL U438



G GYPSUM BOARD CEILING HEIGHT

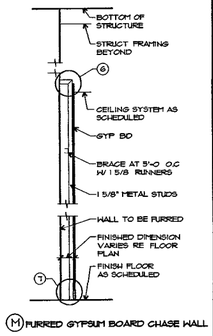


H GYPSUM BOARD ON FURRING CHANNELS, ONE SIDE
J GYPSUM BOARD ON FURRING CHANNELS, BOTH SIDES

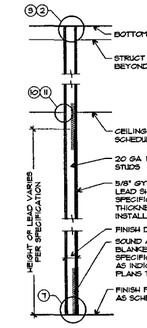


K GYPSUM BOARD ONE SIDE ONLY, CEILING HEIGHT
L GYPSUM BOARD ONE SIDE FULL HEIGHT

— — — 0 HR SMOKE RESISTIVE



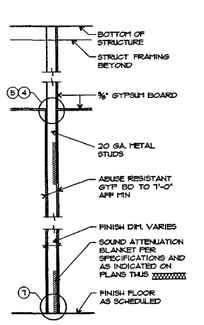
M FURRED GYPSUM BOARD CHASE WALL



N LEAD LINED PARTITION

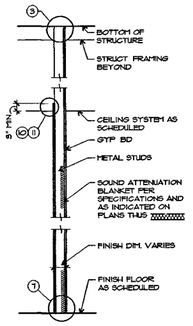
SEE DETAIL 21/THIS SHEET FOR JOINT TREATMENT

— — — 0 HR SMOKE RESISTIVE
— — — 1 HR FIRE SEPARATION
UL U414 FOR 3 5/8" STUDS



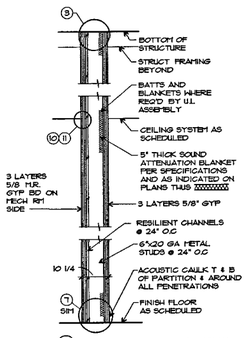
O 0 HR PARTITION - GYPSUM BOARD TO STRUCTURE ON ONE SIDE, TO GYP CEILING ON OTHER

— — — 0 HR SMOKE RESISTIVE



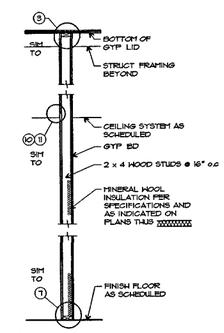
P 0 HR PARTITION - GYPSUM BOARD TO STRUCTURE ON ONE SIDE, ABOVE CEILING ON OTHER.

— — — 0 HR SMOKE RESISTIVE



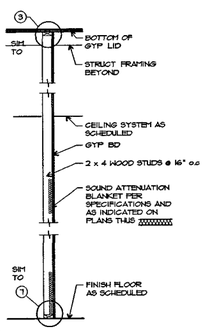
Q GYP BD 65 SOUND PARTITION

— — — 1 HR FIRE SEPARATION
UL U455
2 HR FIRE SEPARATION
UL U455

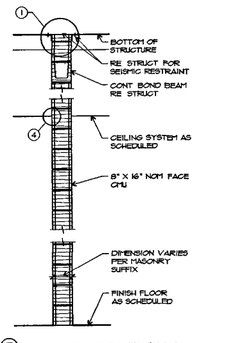


R GYPSUM BOARD TO GYP LID ON BOTH SIDES

— — — 1 HR FIRE SEPARATION
UL U333 FOR 2 x 4 HOOD STUDS

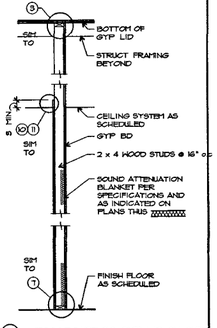


S GYPSUM BOARD TO GYP LID ON ONE SIDE



T CMU WALL TO STRUCTURE ABOVE (NON-RATED)
U CMU WALL TO STRUCTURE ABOVE (RATED)

— — — 1 HR FIRE SEPARATION
UL U 905
2 HR FIRE SEPARATION
UL U905
(IBC TABLE 720.1(2) ITEM 3-13)



W GYPSUM BOARD TO GYP LID ON ONE SIDE, ABOVE CEILING ON OTHER.

— — — 0 HR SMOKE RESISTIVE

PARTITION GENERAL NOTES

1 UNLESS NOTED OTHERWISE ALL INTERIOR MTL STUDS ARE 3 5/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3 5/8" THICK.

2 WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE METAL STUD THICKNESS SHALL BE AS SCHEDULED BELOW

SUFFIX	MTL STUD THICKNESS
1	1 5/8" MTL STUDS
2	2 1/2" MTL STUDS
3	6" MTL STUDS

3 UNLESS INDICATED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A'

4 UNLESS NOTED OTHERWISE, ALL CMU PARTITIONS ARE 7 5/8" A NOMINAL. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF CMU PARTITIONS OTHER THAN 8 NOMINAL

5 WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE CMU THICKNESS SHALL BE AS SCHEDULED BELOW

SUFFIX	CMU THICKNESS
1	ACTUAL 3-5/8" 4" NOMINAL
2	ACTUAL 5-5/8" 6" NOMINAL
3	ACTUAL 11-5/8" 12" NOMINAL

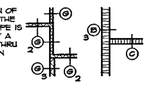
6 UNLESS INDICATED OTHERWISE, ALL INTERIOR MASONRY PARTITIONS INDICATED THUS (▒▒▒▒▒) ON THE FLOOR PLAN DRAWING ARE TYPE 'B'

7 ALL STUDS ARE CONTINUOUS FROM FLOOR STRUCT TO CEILING STRUCT UNLESS NOTED OTHERWISE

8 METAL STUDS ARE SPACED @ 16" O.C MAX UNLESS NOTED OTHER WISE

9 UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD IS TO BE 5/8" THICK "FIRECODE"

10 THE LOCATION OF A CHANGE IN THE PARTITION TYPE IS INDICATED BY A LINE DRAWN THRU THE PARTITION



11 FIRE AND SMOKE WALLS ARE SHOWN ON THE LIFE SAFETY SHEETS (A0.01 A0.02 ETC) WITH THE FIRE RATINGS INDICATED AS FOLLOWS:

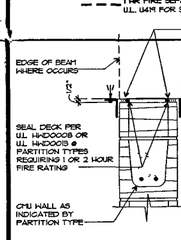
▒▒▒▒▒▒▒▒▒▒ 0 HR SMOKE RESISTIVE
— — — — — — 1 HR FIRE BARRIER
— • — • — • 2 HR FIRE BARRIER
— • • — • • 3 HR FIRE BARRIER
———— • • • • 4 HR FIRE BARRIER
• • • • • • • • • • SMOKE PARTITION

THE CORRESPONDING RATED ASSEMBLIES ARE INDICATED BELOW THE PARTITION TYPES

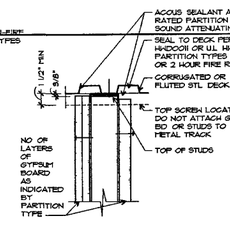
12 PARTITION TYPE DESIGNATIONS ARE INDICATED ON THE FLOOR PLAN DRAWINGS

13 PARTITIONS TYPES DO NOT INCLUDE APPLIED FINISHES CALLED FOR IN THE ROOM FINISH SCHEDULE

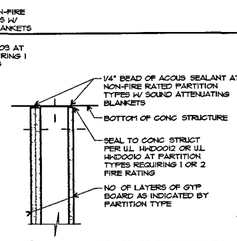
14 AT PARTITION TYPES WHERE MTL STUDS ARE EXPOSED ON ONE OR BOTH SIDES, CUT STUD 1/4" SHORT AND SCREW BOTH SIDES TO MTL RUNNER TRACK



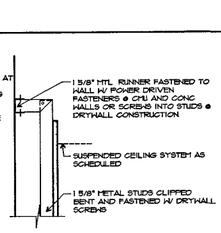
1 TOP ANCHORAGE OF PARTITION TO CONCRETE DECK/BEAM



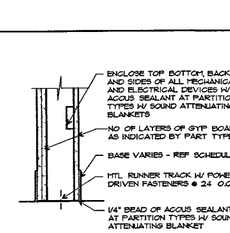
2 TOP ANCHORAGE OF PARTITION TO METAL DECK



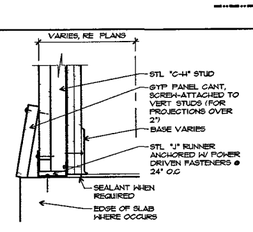
3 TOP ANCHORAGE OF PARTITION TO CONCRETE STRUCTURE



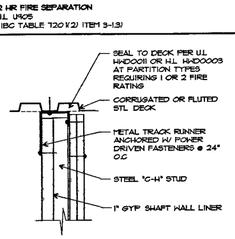
6 TOP ANCHORAGE TYPE "H" PARTITION



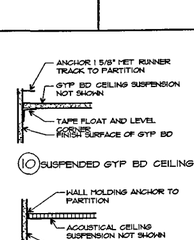
7 FLOOR ANCHORAGE OF PARTITION



8 FLOOR ANCHORAGE OF SHAFT WALL

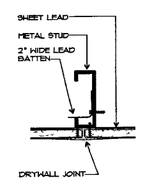


9 TOP ANCHORAGE OF CAVITY SHAFT WALL

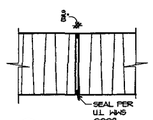


10 SUSPENDED GYP BD CEILING

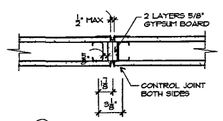
11 CEILING DETAILS FOR GYP BD VERTICAL SURFACES



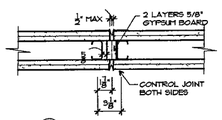
21 JOINT PLAN DETAIL



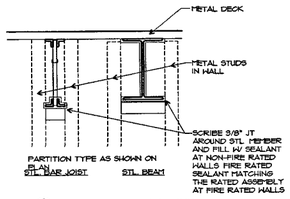
12 2 HR RATED CHU CONTROL JOINT DETAIL



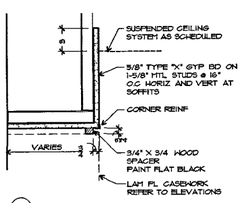
13 ONE HOUR RATED CONTROL JOINT WH-445-PSV-0824



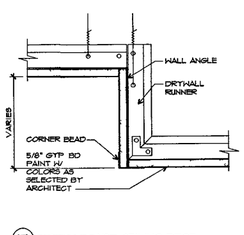
14 TWO HOUR RATED CONTROL JOINT WH-445-PSV-0824



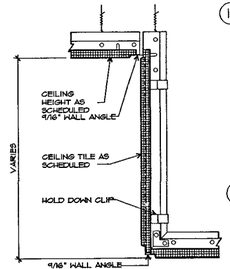
15 PARTITION CLOSURE DETAIL AT STEEL STRUCTURE



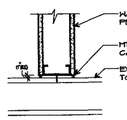
16 GYPSUM BOARD SOFFIT



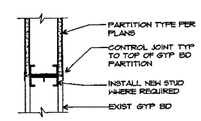
17 GYPSUM BOARD CEILING DROP



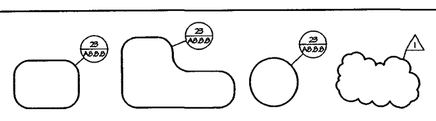
18 ACCOUSTICAL TILE CEILING DROP



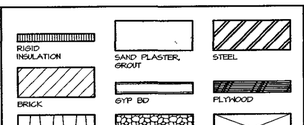
19 TYP DETAIL @ NEW/EXIST'G GYP BD WALL



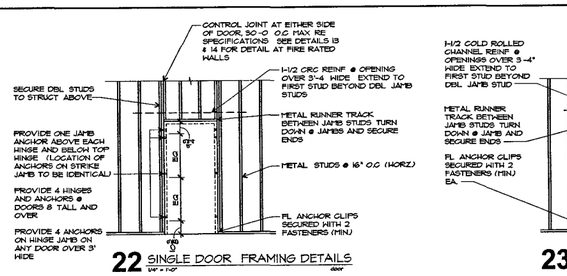
20 TYP DETAIL @ NEW/EXIST'G GYP BD WALL INFILL



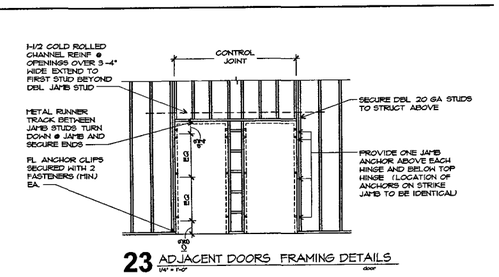
SYMBOLS



MATERIAL DESIGNATIONS



22 SINGLE DOOR FRAMING DETAILS
1/4" = 1'-0"



23 ADJACENT DOORS FRAMING DETAILS
1/4" = 1'-0"

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd
St Louis, MO 63141
1421 E 104 St
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8511 Hillcrest Suite 100
Kansas City Mo 64138
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4338 Belleview
Kansas City Mo 64111
816 531 4144

OF OKLAHOMA
BOB D. CAMPBELL
No. E-4464
REGISTERED
PROFESSIONAL
ENGINEER
7-14-07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29th 2007
Job Number	4-06033.00
Drawn By	
Checked By	

Revisions

Number	Date	Description

A0.01

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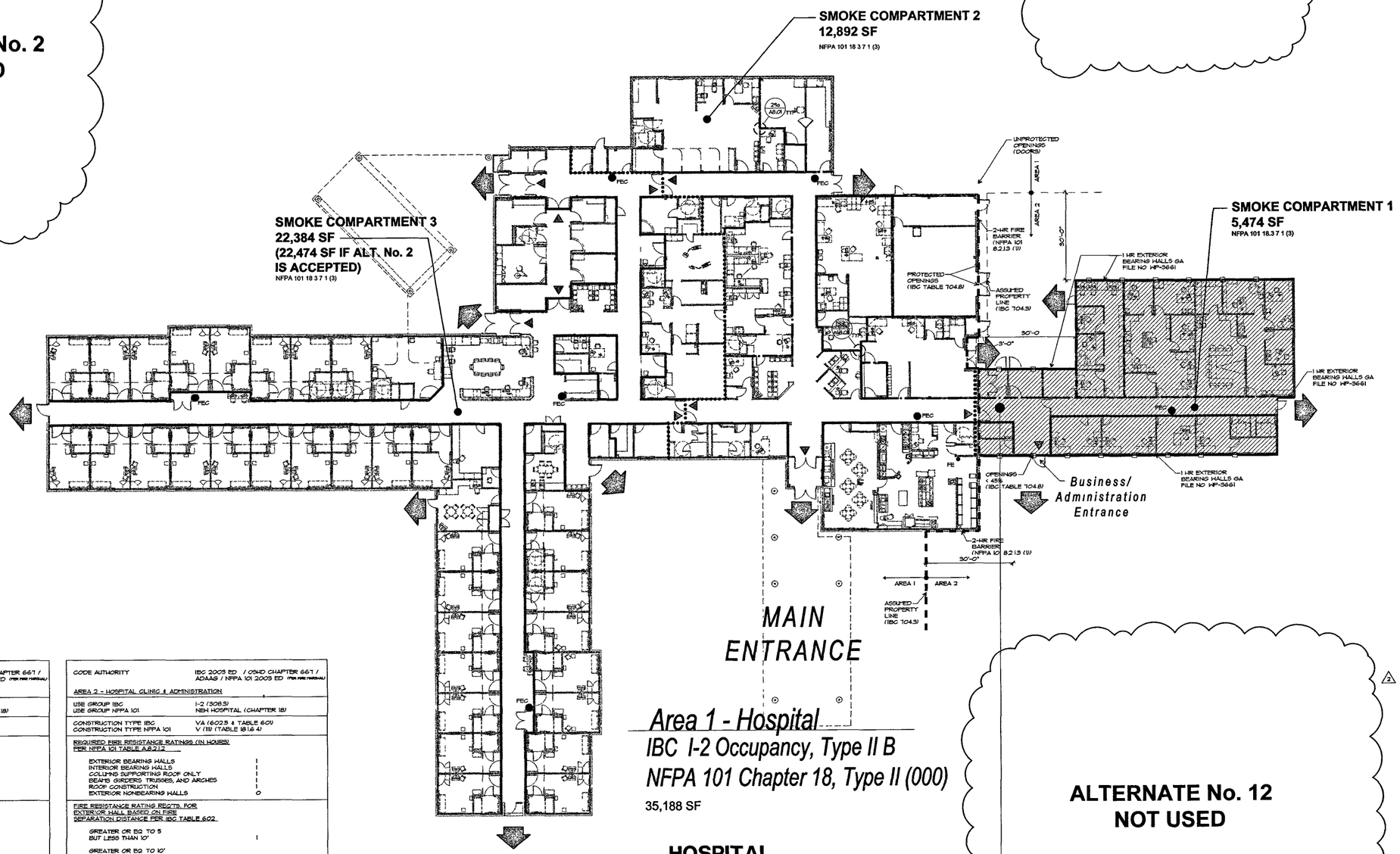
WALL TYPES

XREFS: M:\X-06033 SAYRE MEMORIAL HOSPITAL\REF\TITLEBLK.DWG M:\X-06033 SAYRE MEMORIAL HOSPITAL\REF\X-06033-ISSP1.DWG M:\X-06033 SAYRE MEMORIAL HOSPITAL\REF\X-06033-002.DWG

ALTERNATE No. 2
NOT USED

ALTERNATE No. 3
NOT USED



CODE AUTHORITY	IBC 2003 ED / OSHD CHAPTER 667 / ADAAG / NFPA 101 2003 ED (PER FIRE MARSHAL)
AREA 1 - HOSPITAL	
USE GROUP IBC USE GROUP NFPA 101	I-2 (308.3) NEW HOSPITAL (CHAPTER 18)
CONSTRUCTION TYPE IBC CONSTRUCTION TYPE NFPA 101	IIB (602.2 & TABLE 601) II (000) (TABLE 18.1.6.4)
REQUIRED FIRE RESISTANCE RATINGS (IN HOURS) PER NFPA 101 TABLE A.8.2.1.2	
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
COLUMNS SUPPORTING ROOF ONLY	0
BEAMS, GIRDERS, TRUSSES, AND ARCHES	0
ROOF CONSTRUCTION	0
EXTERIOR NONBEARING WALLS	0
FIRE RESISTANCE RATING REQTS. FOR EXTERIOR WALL BASED ON FIRE SEPARATION DISTANCE PER IBC TABLE 602	
GREATER OR EQ TO 5' BUT LESS THAN 10	1
GREATER OR EQ TO 10' BUT LESS THAN 30'	0
GREATER OR EQ TO 30'	0
ALLOWABLE HEIGHT	1 STORY
ACTUAL HEIGHT	1 STORY
FULLY AUTOMATIC SPRINKLER	YES
BASIC ALLOWABLE AREA (IBC TABLE 503) PLUS	11,000 S.F.
INCREASE DUE TO OPEN FRONTAGE (PER IBC PARAGRAPH 506.2) If = 100 [$\frac{F}{P}$ - 0.25] $\frac{W}{30}$ If = 100 [$\frac{33}{100}$ - 0.25] $\frac{30}{30}$ If = 53% (53%)	+5,830 S.F.
INCREASE DUE TO SPRINKLER (PER IBC PARAGRAPH 506.3) (300%) MODIFIED (TOTAL) ALLOWABLE AREA	+33,000 S.F. 49,830 S.F.
ACTUAL AREA FOR AREA 1	43,484 S.F.
SUBDIVISION OF BUILDING SPACES REQUIREMENTS: (SMOKE COMPARTMENT SIZE ALLOWED) (PER NFPA 101 (PARAGRAPH 18.3.7.1 (3))	22,500 S.F.
FIRE RESISTANCE RATINGS REQTS. FOR FIRE BARRIER (SEPARATION) BETWEEN FIRE AREAS	2 HRS

CODE AUTHORITY	IBC 2003 ED / OSHD CHAPTER 667 / ADAAG / NFPA 101 2003 ED (PER FIRE MARSHAL)
AREA 2 - HOSPITAL CLINIC & ADMINISTRATION	
USE GROUP IBC USE GROUP NFPA 101	I-2 (308.3) NEW HOSPITAL (CHAPTER 18)
CONSTRUCTION TYPE IBC CONSTRUCTION TYPE NFPA 101	VA (602.5 & TABLE 601) V (111) (TABLE 18.1.6.4)
REQUIRED FIRE RESISTANCE RATINGS (IN HOURS) PER NFPA 101 TABLE A.8.2.1.2	
EXTERIOR BEARING WALLS	1
INTERIOR BEARING WALLS	1
COLUMNS SUPPORTING ROOF ONLY	1
BEAMS, GIRDERS, TRUSSES, AND ARCHES	1
ROOF CONSTRUCTION	1
EXTERIOR NONBEARING WALLS	0
FIRE RESISTANCE RATING REQTS. FOR EXTERIOR WALL BASED ON FIRE SEPARATION DISTANCE PER IBC TABLE 602	
GREATER OR EQ TO 5' BUT LESS THAN 10'	1
GREATER OR EQ TO 10' BUT LESS THAN 30'	1
GREATER OR EQ TO 30'	0
ALLOWABLE HEIGHT	1 STORY
ACTUAL HEIGHT	1 STORY
FULLY AUTOMATIC SPRINKLER SYSTEM	YES
BASIC ALLOWABLE AREA (IBC TABLE 503) PLUS	9,500 S.F.
INCREASE DUE TO OPEN FRONTAGE (PER IBC PARAGRAPH 506.2) If = 100 [$\frac{F}{P}$ - 0.25] $\frac{W}{30}$ If = 100 [$\frac{33}{100}$ - 0.25] $\frac{30}{30}$ If = 0% (0%)	+0 S.F.
INCREASE DUE TO SPRINKLER (PER IBC PARAGRAPH 506.3) (300%) MODIFIED (TOTAL) ALLOWABLE AREA	+28,500 S.F. 38,000 S.F.
ACTUAL AREA FOR AREA 2	9,388 S.F.
SUBDIVISION OF BUILDING SPACES REQUIREMENTS: (SMOKE COMPARTMENT SIZE ALLOWED) (PER NFPA 101 (PARAGRAPH 18.3.7.1 (3))	22,500 S.F.
FIRE RESISTANCE RATINGS REQTS. FOR FIRE BARRIER (SEPARATION) BETWEEN FIRE AREAS	2 HRS

LEGEND

- EXIT DISCHARGE
- EXIT ACCESS
- 1 HR FIRE PARTITION
- 2 HR FIRE PARTITION
- 0 HR SMOKE RESISTIVE CORRIDOR WALL
- 1 HR FIRE / SMOKE BARRIER
- ASSUMED PROPERTY LINE
- 1 HR EXTERIOR BEARING WALLS 6A FILE NO HP-3661
- AREA 2
- FEC = FIE CAB + FIRE EXTINGUISHER CABINET

HOSPITAL

1 OVERALL FIRE + SMOKE PARTITION PLAN
1/16" = 1'-0"

0 16 32
1/16" = 1'-0"

Area 1 - Hospital

IBC I-2 Occupancy, Type II B
NFPA 101 Chapter 18, Type II (000)
35,188 SF

Area 2 - Business/ Admin.

IBC I-2 Occupancy, Type VA
NFPA 101 Chapter 18, Type V (111)
5,477 SF

ALTERNATE No. 12
NOT USED

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd, Suite 140, St Louis MO 63141
11228 Nall, Suite 140, Leawood KS 66211, 913 338 2300, 913 338 2003 fax
1421 E 104 St, Kansas City, MO 64131

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816 353 8669

Bob D Cambell & Co
Structural Engineers
4236 Bellehview
Kansas City, Mo 64111
816 531 4144

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	SKB
Checked By	LWD

Revisions

Number	Date	Description
1	5/25/07	ADD #1
2	7/13/07	GMP SET

A0.02

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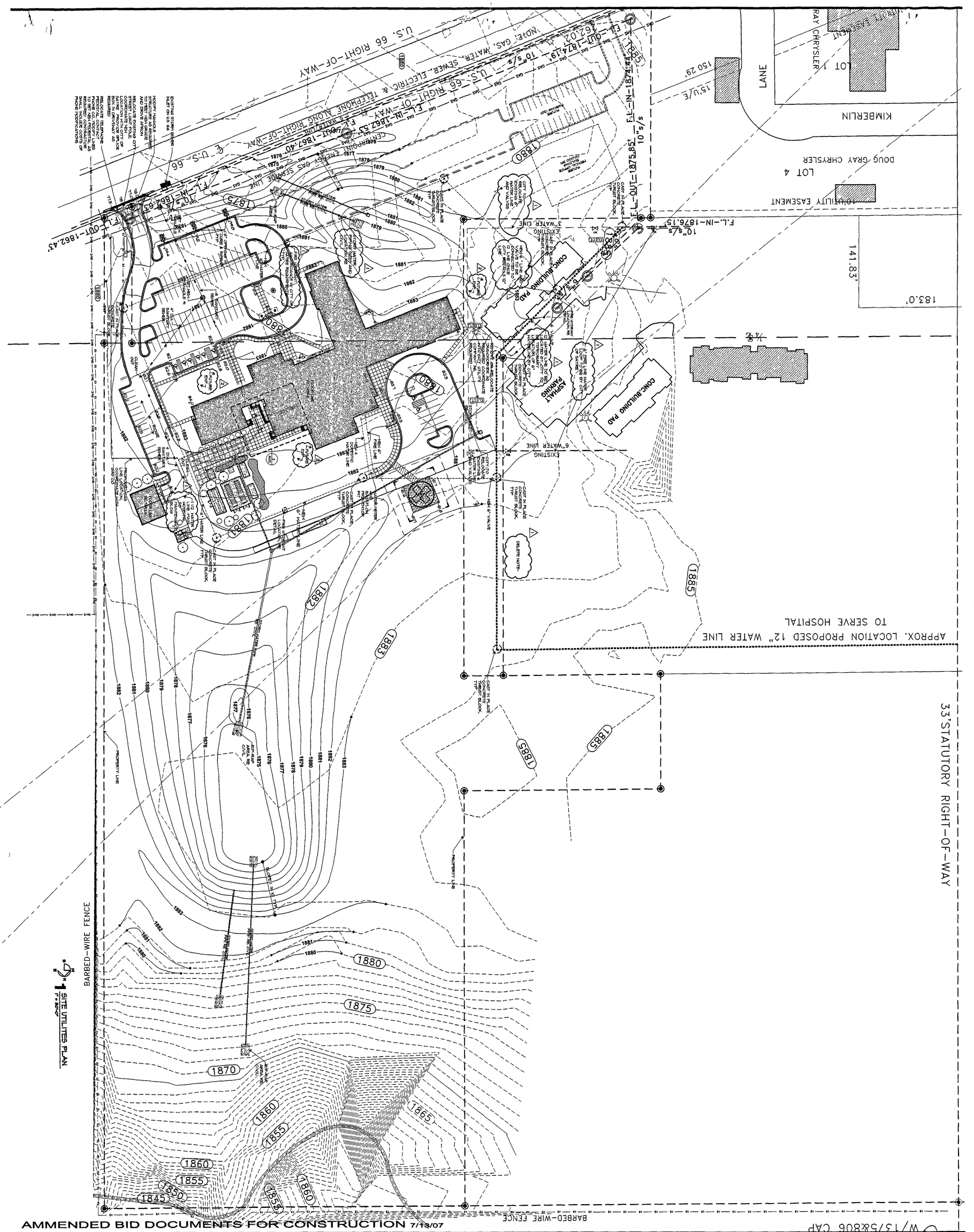
FIRE AND SMOKE PLAN



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

W/13/5&806 CAP

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date June 29 2007
Job Number 4-06033.00
Drawn By
Checked By

Revisions

Number	Date	Description
1	5/25/07	ADD #1
2	7/13/07	GMP SET

C1.01

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Bredson and Associates Inc
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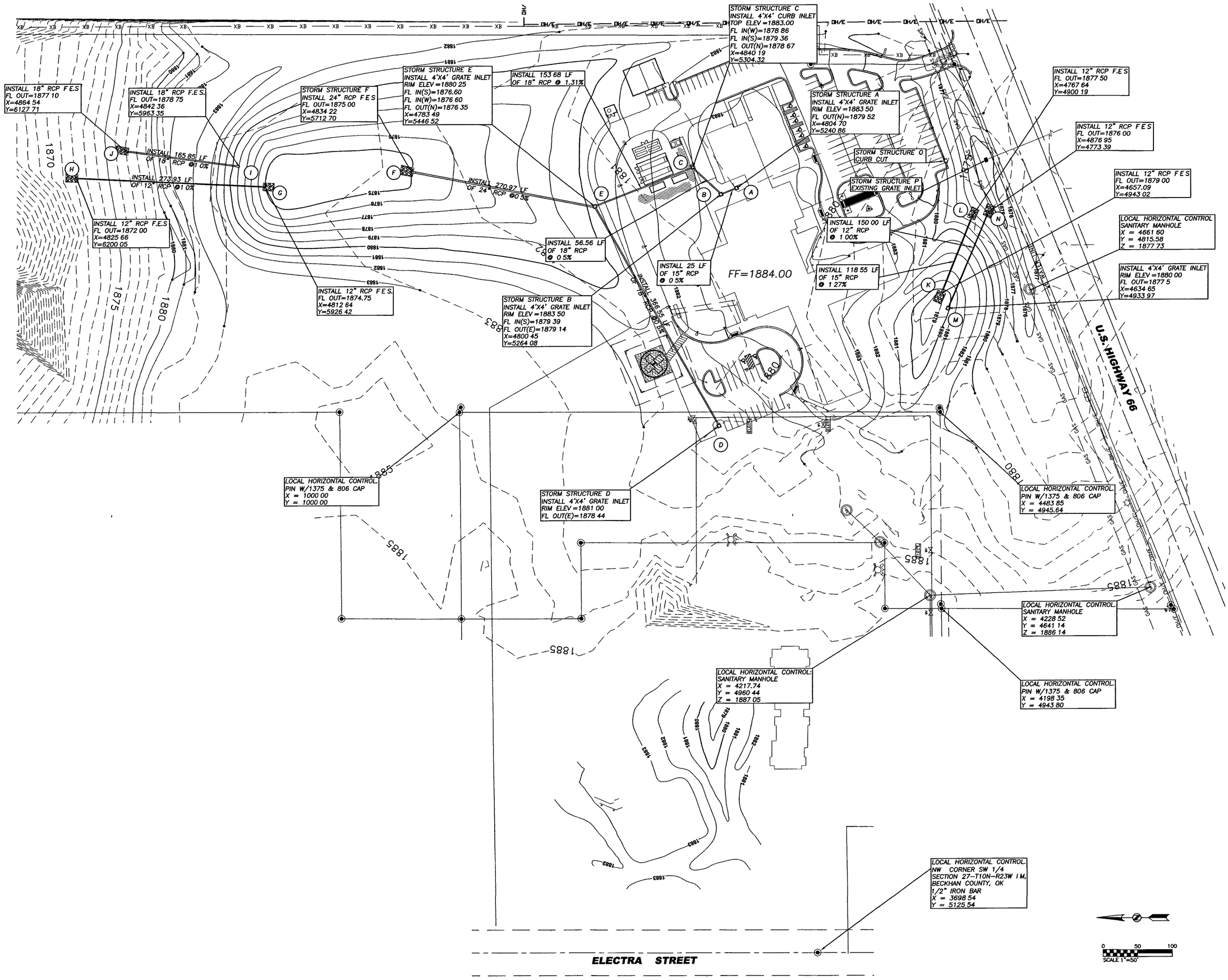
STATE OF OKLAHOMA
LEAWOOD, KANSAS
LICENSED ARCHITECT
8-4464

7-14-07



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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

STORM SYSTEM LAYOUT

CONSTRUCTION BID SET 5/22/07

Date	May 22 2007
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Description
1	5/25/07	ADD #1

C-1

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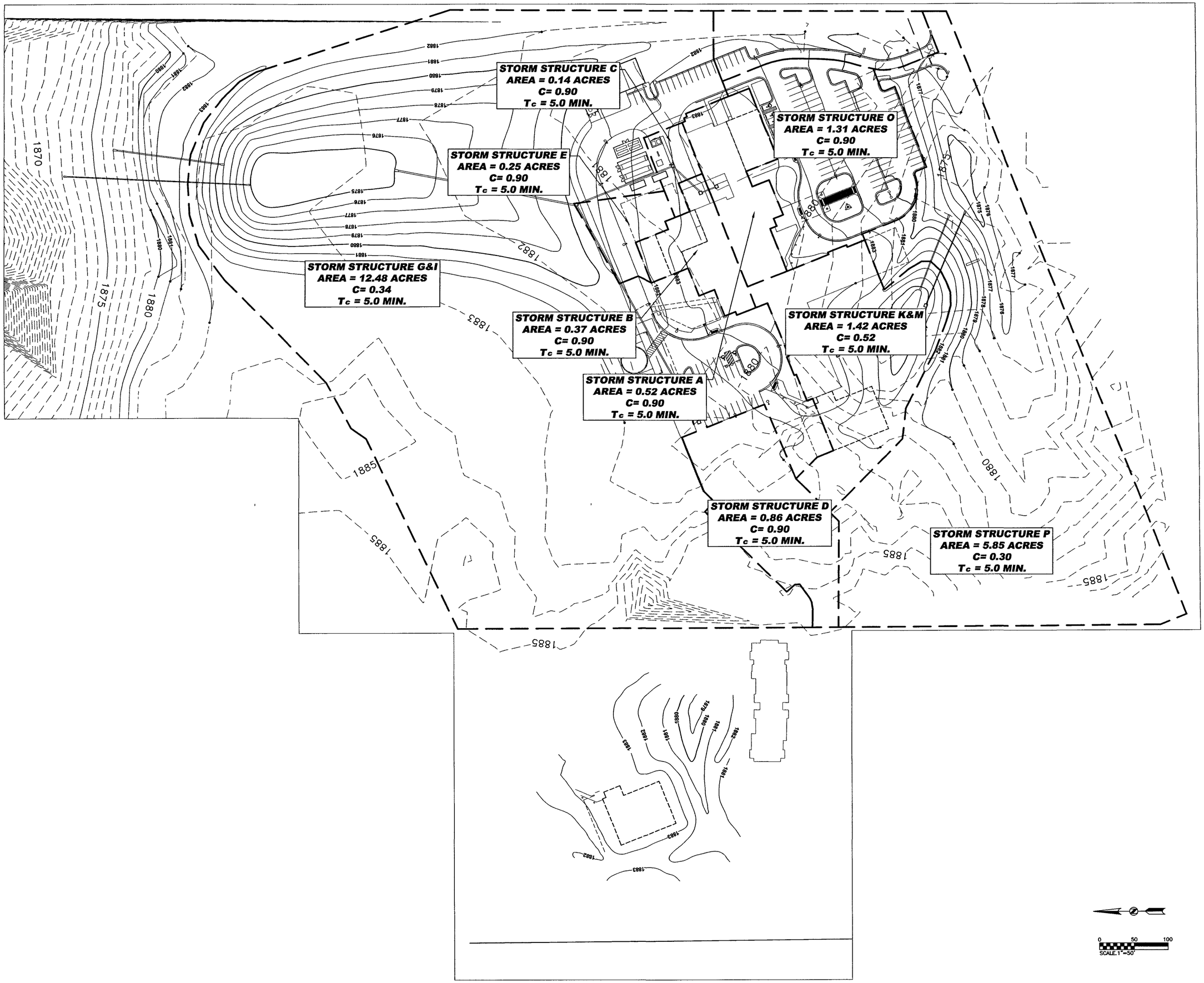

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CONSTRUCTION BID SET 5/22/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

DRAINAGE AREA MAP

Date	May 22 2007
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Description
1	5/25/07	ADD #1

C-2

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25 - Year Calculations

Structures			Overland Flow										System Flow					Gutter Design						Inlet Design					Pipe Design															
From	To	Trib Area (sf)	Trib Area (acre)	C	K	Trib AxCxK	Trib Tc (min)	A	B	Trib Intensity (in/hr)	Trib Runoff (cfs)	Total Runoff (cfs)	Total Area (acre)	Sum AxCxK	Sys Tc (min)	Sys Intensity (in/hr)	Sys Discharge (cfs)	So %	Ave Sx %	Gutter Depth (inches)	Gutter Spread (ft)	Design Flow (cfs)	Gutter Capacity (cfs)	Inlet Length (ft)	Inlet Type	Theoretical Capture (cfs)	80% Capture (cfs)	By Pass Flow (cfs)	Pipe Type	Pipe Size (inches)	Manning Pipe Coeff	Pipe Slope %	Length (ft)	Design Flow (cfs)	Full Flow Capacity (cfs)	Design Velocity (fps)	Full Flow Velocity (fps)	Flow Time (min)	Up Stream Invert Elevation	Down Stream Invert Elevation	Upstream Cover (ft)	Downstream Cover (ft)	HWD	HGL Up	Ground Elevation
A		22584	0 52	0 90	1 10	0 51	5 00	259 80	32 00	7 02	3 60	3 60						NA	2 46	NA	NA	3 60	0 00		GRATE	12 01	9 61	0 00																	1883 50
	B												0 52	0 51	5 10	7 00	3 59											RCP	15	0 013	0 50	25 00	3 60	4 57	4 18	3 72	0 10	1879 52	1879 39	2 54	2 67	1 05	1880 83	
B		16030	0 37	0 90	1 10	0 36	5 00	259 80	32 00	7 02	2 56	2 56						NA	2 46	NA	NA	2 56	0 00		GRATE	12 01	9 61	0 00																	1883 50
	C												0 89	0 88	5 30	6 97	6 11											RCP	18	0 013	0 50	56 56	6 16	7 44	4 78	4 21	0 20	1879 14	1878 86	2 65	2 43	0 99	1880 72	
C		5957	0 14	0 90	1 10	0 14	5 00	259 80	32 00	7 02	0 95	0 95						0 50	2 46	1 5	5 06	0 48	1 67	4 00	SAG	12 40	9 92	0 00																	1883 00
	E												1 02	1 01	5 66	6 90	6 99											RCP	18	0 013	1 31	153 06	7 11	12 03	7 04	6 81	0 36	1878 61	1876 60	2 68	1 94	1 10	1880 22	
D		37524	0 86	0 90	1 10	0 85	5 00	259 80	32 00	7 02	5 99	5 99						NA	2 46	NA	NA	5 99	0 00		GRATE	12 01	9 61	0 00																	1881 00
	E												0 86	0 85	6 29	6 79	5 79											RCP	18	0 013	0 50	366 55	5 99	7 44	4 74	4 21	1 29	1878 44	1876 60	0 85	1 94	0 97	1880 01	
E		10857	0 25	0 90	1 10	0 25	5 00	259 80	32 00	7 02	1 73	1 73						NA	2 46	NA	NA	1 73	0 00		GRATE	12 01	9 61	0 00																	1880 25
	F												2 13	2 11	7 05	6 65	14 05											RCP	24	0 013	0 50	270 97	14 83	16 03	5 91	5 10	0 76	1876 35	1875 00	1 65	1 50	1 11	1878 45	
G		543611	12 48	0 34	1 10	4 67	5 00	259 80	32 00	7 02	32 77	32 77																																
	H												14 61	6 78	8 06	6 49	43 97											RCP	12	0 013	1 00	273 93	32 77	3 57	4 54	4 54	1 00	1874 75	1872 00					
I		543611	12 48	0 34	1 10	4 67	5 00	259 80	32 00	7 02	32 77	32 77																																
	J												14 61	6 78	7 52	6 57	44 57											RCP	18	0 013	0 99	165 85	32 77	10 49	5 93	5 93	0 47	1878 75	1877 10					
K		61904	1 42	0 52	1 10	0 81	5 00	259 80	32 00	7 02	5 71	5 71																																
	L												1 42	0 81	5 30	6 97	5 66											RCP	15	0 013	1 27	118 55	5 71	7 27	5 63	5 92	0 30	1879 00	1877 50					
M		61904	1 42	0 52	1 10	0 81	5 00	259 80	32 00	7 02	5 71	5 71																																
	N												1 42	0 81	5 55	6 92	5 62											RCP	12	0 013	1 00	150 00	5 71	3 56	4 53	4 53	0 55	1877 50	1876 00					
O		56861	1 31	0 90	1 10	1 29	5 00	259 80	32 00	7 02	9 07	9 07																																
													1 31	1 29	5 00	7 02	9 07																										
P		254899	5 85	0 30	1 10	1 93	5 00	259 80	32 00	7 02	13 56	13 56																																
													8 58	3 22	5 55	6 92	22 30																										

100 - Year Calculations

Structures			Overland Flow										System Flow					Gutter Design						Inlet Design					Pipe Design															
From	To	Trib Area (sf)	Trib Area (acre)	C	K	Trib AxCxK	Trib Tc (min)	A	B	Trib Intensity (in/hr)	Trib Runoff (cfs)	Total Runoff (cfs)	Total Area (acre)	Sum AxCxK	Sys Tc (min)	Sys Intensity (in/hr)	Sys Discharge (cfs)	So %	Ave Sx %	Gutter Depth (inches)	Gutter Spread (ft)	Design Flow (cfs)	Gutter Capacity (cfs)	Inlet Length (ft)	Inlet Type	Theoretical Capture (cfs)	80% Capture (cfs)	By Pass Flow (cfs)	Pipe Type	Pipe Size (inches)	Manning Pipe Coeff	Pipe Slope %	Length (ft)	Design Flow (cfs)	Full Flow Capacity (cfs)	Design Velocity (fps)	Full Flow Velocity (fps)	Flow Time (min)	Up Stream Invert Elevation	Down Stream Invert Elevation	Upstream Cover (ft)	Downstream Cover (ft)	HWD	HGL Up	Ground Elevation
A		22584	0 52	0 90	1 25	0 58	5 00	374 80	36 00	9 14	5 33	5 33						NA	2 46	NA	NA	5 33	0 00		GRATE	12 01	9 61	0 00																	1883 50
	B												0 52	0 58	5 11	9 12	5 32											RCP	15	0 013	0 50	25 00	5 33	4 57	3 72	3 72	0 11	1879 52	1879 39	2 54	2 67	1 05	1880 83	
B		16030	0 37	0 90	1 25	0 41	5 00	374 80	36 00	9 14	3 78	3 78						NA	2 46	NA	NA	3 78	0 00		GRATE	12 01	9 61	0 00																	1883 50
	C												0 89	1 00	5 34	9 07	9 04											RCP	18	0 013	0 50	56 56	9 12	7 44	4 21	4 21	0 22	1879 14	1878 86	2 65	2 43	1 38	1880 71	
C		5957	0 14	0 90	1 25	0 15	5 00	374 80	36 00	9 14	1 41	1 41						0 50	2 46	1 7	5 86	0 70	1 67	4 00	SAG	12 40	9 92	0 00																	1883 00
	E												1 02	1 15	5 66	9 00	10 36											RCP	18	0 013	1 31	153 08	10 52	12 03	7 82	6 81	0 33	1878 61	1876 60	2 68	1 94	1 61	1880 23	
D		37524	0 86	0 90	1 25	0 97	5 00	374 80	36 00	9 14	8 86	8 86						NA	2 46	NA	NA	8 86	0 00		GRATE	12 01	9 61	0 00																	1881 00
	E												0 86	0 97	6 45	8 83	8 56											RCP	18	0 013	0 50	366 55	8 86	7 44	4 21	4 21	1 45	1878 44	1876 60	0 85	1 94	1 34	1880 00	
E		10857	0 25	0 90	1 25	0 28	5 00	374 80	36 00	9 14	2 56	2 56						NA	2 46	NA	NA	2 56	0 00		GRATE	12 01	9 61	0 00																	1880 25
	F												2 13	2 40	7 34	8 65	20 76											RCP	24	0 013	0 50	270 97	21 95	16 03	5 10	5 10	0 89	1876 35	1875 00	1 65	1 50	1 64	1878 43	
G		543611	12 48	0 34	1 25	5 30	5 00	374 80	36 00	9 14	48 48	48 48																																
	H												14 61	7 70	8 34	8 45	65 12											RCP	12	0 013	1 00	273 93	48 48	3 57	4 54	4 54	1 00	1874 75	1872 00					
I		543611	12 48	0 34	1 25	5 30	5 00	374 80	36 00	9 14	48 48	48 48																																
	J												14 61	7 70	7 80	8 56	65 92											RCP	18	0 013	0 99	165 85	48 48	10 49	5 93	5 93	0 47	1878 75	1877 10					
K		61904	1 42	0 52	1 25	0 92	5 00	374 80	36 00	9 14	8 44	8 44																																
	L												1 42	0 92	5 33	9 07	8 38											RCP	15	0 013	1 27	118 55	8 44	7 27	5 92	5 92	0 33	1879 00	1877 50					
M		61904	1 42	0 52	1 25	0 92	5 00	374 80	36 00	9 14	8 44	8 44																																
	N												1 42	0 92	5 55	9 02	8 33											RCP	12	0 013	1 00	150 00	8 44	3 56	4 53	4 53	0 55	1877 50	1876 00					
O		56861	1 31	0 90	1 25	1 47	5 00	374 80	36 00	9 14	13 42	13 42																																
													1 31	1 47	5 00	9 14	13 42																										
P		254899	5 85	0 30	1 25	2 19	5 00	374 80	36 00	9 14	20 06	20 06																																
													8 58	3 66	5 55	9 02	33 04																										

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REGISTERED PROFESSIONAL ENGINEER
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5/15/07
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OKLAHOMA

CONSTRUCTION BID SET 5/22/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

STORM CALCULATIONS

Date	May 22 2007
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Description
1	5/25/07	ADD #1

C-3

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NORTH DETENTION BASIN:

TRIBUTARY AREA = 14 61 ACRES
CN = 67
Tc = 7 1 MIN
TOP ELEVATION = 1883 0

STORM EVENT	PEAK FLOW IN, CFS	PEAK FLOW OUT, CFS	MAX WATER SURFACE ELEVATION	MAX POND STORAGE, AC –FT	FREEBOARD TO TOP OF BASIN, FEET
10	37 8	3 9	1876 6	0 9	5 4
25	53 5	4 1	1877 1	1 4	4 9
100	81 2	4 4	1877 9	2 4	4 1
*100	81 2	3 3	1879 8	2 7	2 7

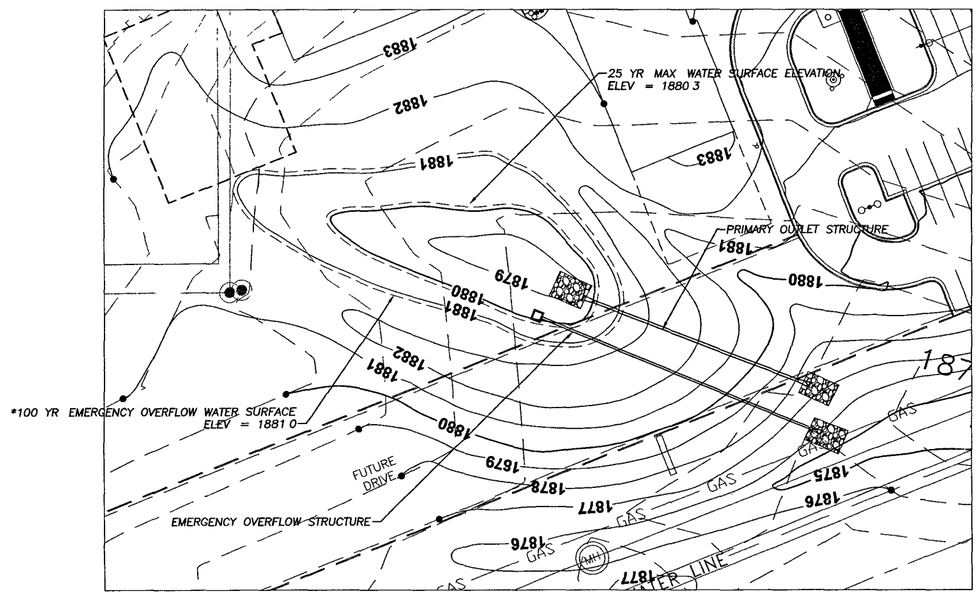
SOUTH DETENTION BASIN:

TRIBUTARY AREA = 1 42 ACRES
CN = 75
Tc = 5 0 MIN
TOP ELEVATION = 1882 0

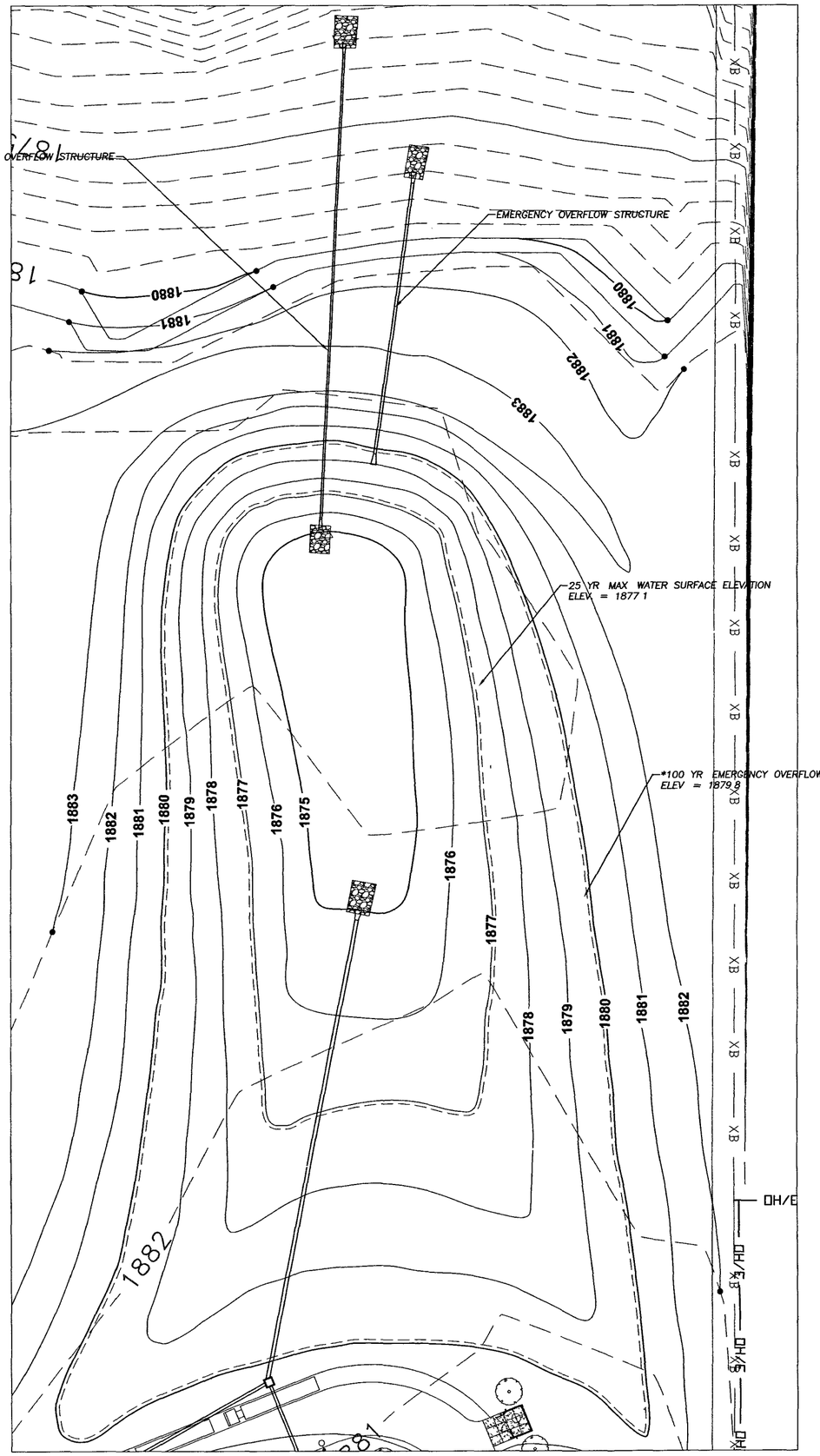
STORM EVENT	PEAK FLOW IN, CFS	PEAK FLOW OUT CFS	MAX WATER SURFACE ELEVATION	MAX POND STORAGE, AC –FT	FREEBOARD TO TOP OF BASIN, FEET
10	5 4	2 9	1880 1	0 08	1 9
25	7 2	3 6	1880 3	0 10	1 7
100	10 3	5 3	1880 5	0 15	1 4
*100	10 3	7 5	1881 0	0 17	1 0

* EMERGENCY OVERFLOW ANALYSIS:

THIS ANALYSIS ASSUMES THAT THE PRIMARY OUTLET STRUCTURE IS 100% OBSTRUCTED



SOUTH DETENTION BASIN



NORTH DETENTION BASIN

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CONSTRUCTION BID SET 5/22/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

DETENTION DESIGN

Date	May 22 2007
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Description
1	5/25/07	ADD #1

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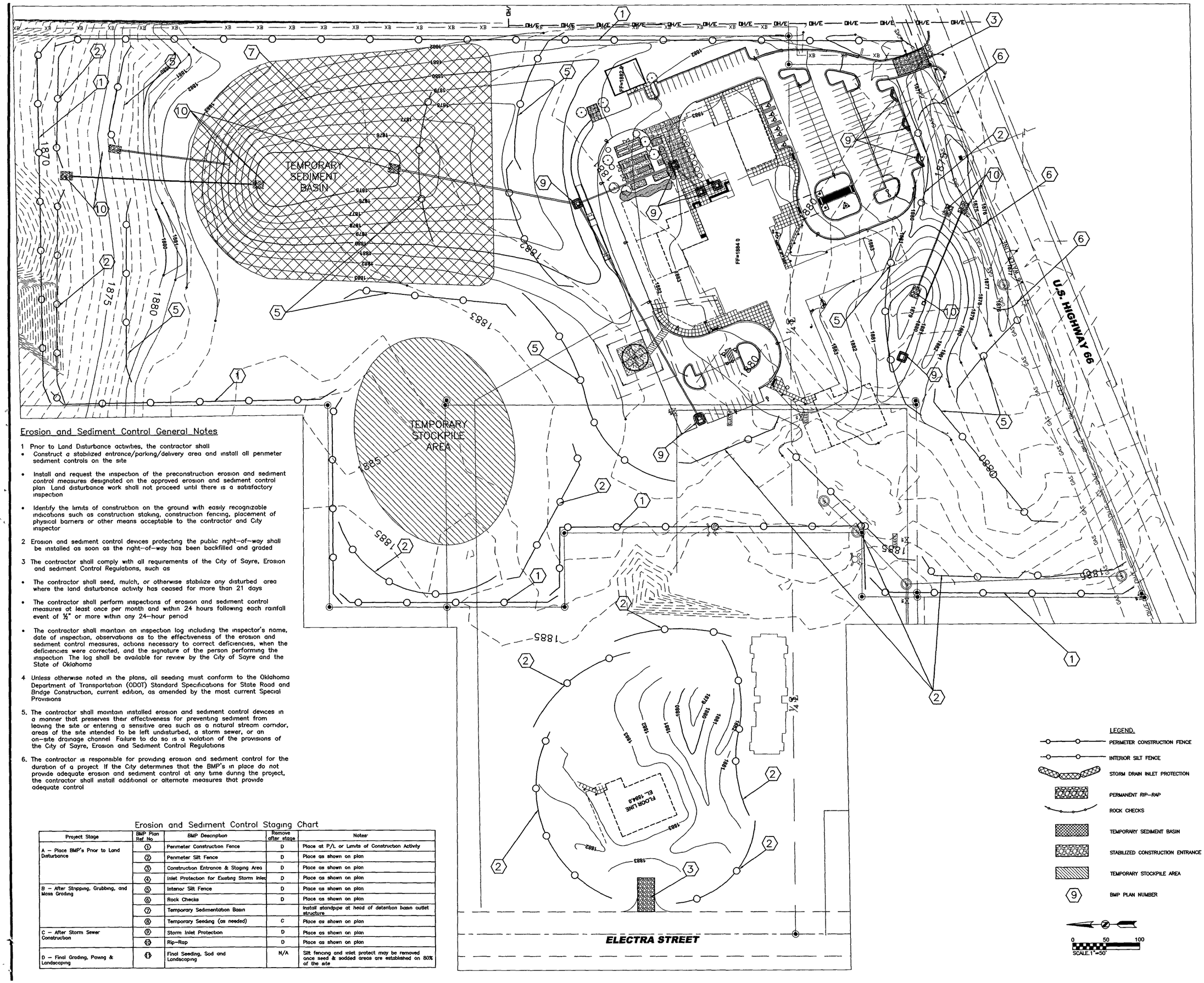

Erosion and Sediment Control General Notes

1 Prior to Land Disturbance activities, the contractor shall
- Construct a stabilized entrance/parking/delivery area and install all perimeter sediment controls on the site
- Install and request the inspection of the preconstruction erosion and sediment control measures designated on the approved erosion and sediment control plan Land disturbance work shall not proceed until there is a satisfactory inspection
- Identify the limits of construction on the ground with easily recognizable indications such as construction staking, construction fencing, placement of physical barriers or other means acceptable to the contractor and City inspector

2 Erosion and sediment control devices protecting the public right-of-way shall be installed as soon as the right-of-way has been backfilled and graded

3 The contractor shall comply with all requirements of the City of Sayre, Erosion and sediment Control Regulations, such as
- The contractor shall seed, mulch, or otherwise stabilize any disturbed area where the land disturbance activity has ceased for more than 21 days
- The contractor shall perform inspections of erosion and sediment control measures at least once per month and within 24 hours following each rainfall event of ½" or more within any 24-hour period
- The contractor shall maintain an inspection log including the inspector's name, date of inspection, observations as to the effectiveness of the erosion and sediment control measures, actions necessary to correct deficiencies, when the deficiencies were corrected, and the signature of the person performing the inspection The log shall be available for review by the City of Sayre and the State of Oklahoma

4 Unless otherwise noted in the plans, all seeding must conform to the Oklahoma Department of Transportation (ODOT) Standard Specifications for State Road and Bridge Construction, current edition, as amended by the most current Special Provisions

5. The contractor shall maintain installed erosion and sediment control devices in a manner that preserves their effectiveness for preventing sediment from leaving the site or entering a sensitive area such as a natural stream corridor, areas of the site intended to be left undisturbed, a storm sewer, or an on-site drainage channel Failure to do so is a violation of the provisions of the City of Sayre, Erosion and Sediment Control Regulations

6. The contractor is responsible for providing erosion and sediment control for the duration of a project If the City determines that the BMP's in place do not provide adequate erosion and sediment control at any time during the project, the contractor shall install additional or alternate measures that provide adequate control

Erosion and Sediment Control Staging Chart

Project Stage	BMP Plan Ref No	BMP Description	Remove after stage	Notes
A – Place BMP's Prior to Land Disturbance	①	Perimeter Construction Fence	D	Place at P/L or Limits of Construction Activity
	②	Perimeter Silt Fence	D	Place as shown on plan
	③	Construction Entrance & Staging Area	D	Place as shown on plan
	④	Inlet Protection for Existing Storm Inlet	D	Place as shown on plan
B – After Stripping, Grubbing, and Mass Grading	⑤	Interior Silt Fence	D	Place as shown on plan
	⑥	Rock Checks	D	Place as shown on plan
	⑦	Temporary Sedimentation Basin		Install standpipe at head of detention basin outlet structure
	⑧	Temporary Seeding (as needed)	C	Place as shown on plan
C – After Storm Sewer Construction	⑨	Storm Inlet Protection	D	Place as shown on plan
	⑩	Rip-Rap	D	Place as shown on plan
D – Final Grading, Paving & Landscaping	⑪	Final Seeding, Sod and Landscaping	N/A	Silt fencing and inlet protect may be removed once seed & sodded areas are established on 80% of the site

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

EROSION CONTROL PLAN

CONSTRUCTION BID SET 5/22/07

Date	May 22, 2
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Descripti
1	5/25/07	ADD

C-5

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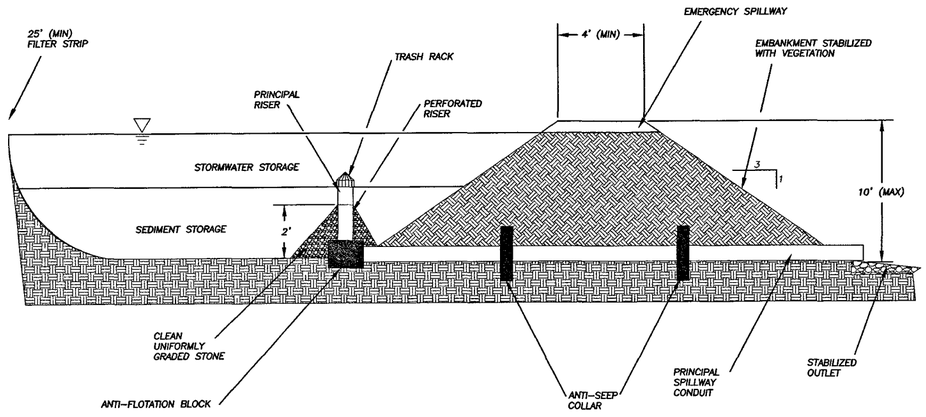
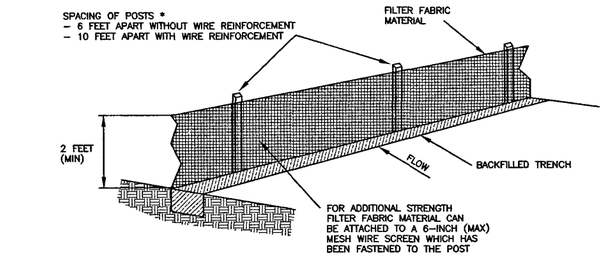
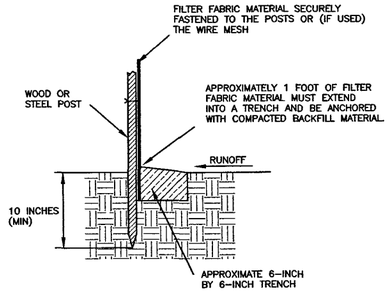


TEMPORARY SEDIMENTATION BASIN



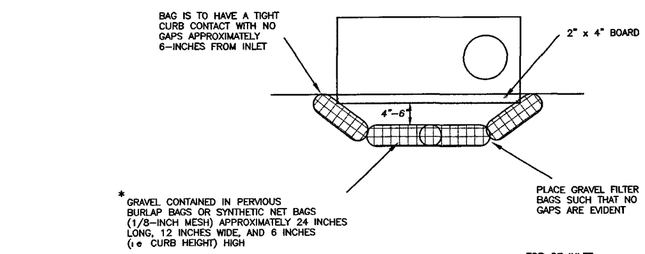
* POSTS
- WITHOUT WIRE REINFORCEMENT
  2" X 2" (NOMINAL) WOOD OR
  1 0 LB/LINEAR FOOT STEEL
- WITH WIRE INFORCEMENT
  4" DIAMETER (NOMINAL) WOOD OR
  1 33 LB/LINEAR FOOT STEEL



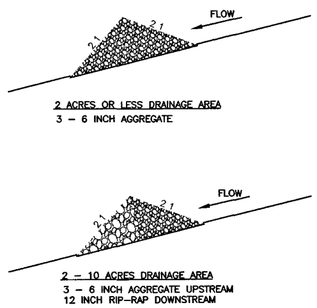
SEDIMENT FENCE

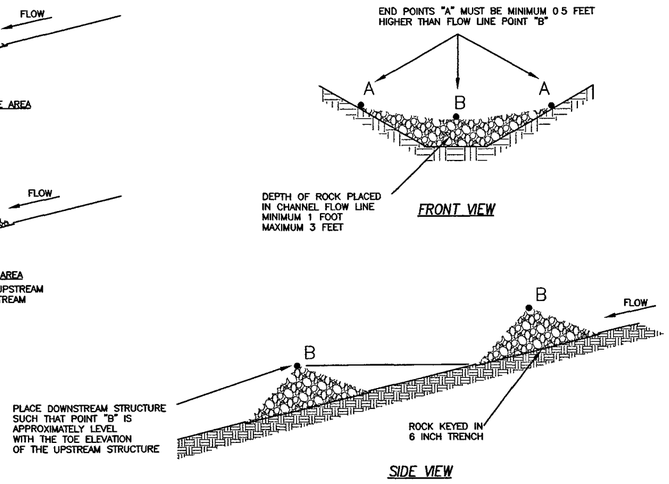
SPECIFICATIONS FOR SEDIMENT FENCE FABRIC

PHYSICAL PROPERTY	MINIMUM REQUIREMENTS
FILTERING EFFICIENCY	85%
TENSILE STRENGTH AT 20% (MAXIMUM) ELONGATION STANDARD STRENGTH = HIGH STRENGTH =	 30 LB/LINEAR INCH 50 LB/LINEAR INCH



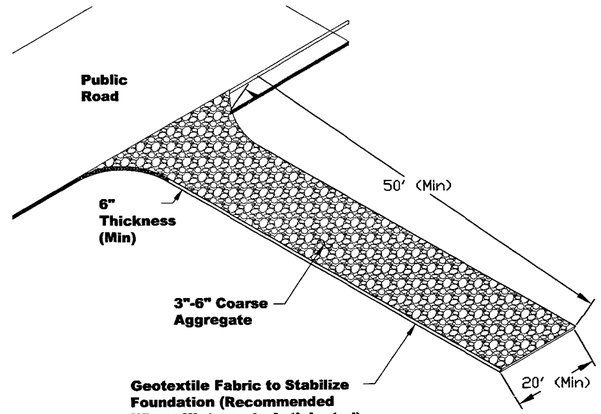
GRAVEL FILTER BAG





SIDE VIEW

ROCK DAM DITCH CHECK



TEMPORARY CONSTRUCTION ENTRANCE

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phone (913) 663-900
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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

EROSION CONTROL DETAILS

CONSTRUCTION BID SET 5/22/07

Date	May 22 '200
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Description
1	5/25/07	ADD #1

C-6

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Non–Setback Curb Inlet & Grate Inlet Notes

General

1 All storm sewer structures shall be pre–cast or poured in place If pre–cast structures are used for publicly financed, maintained or administered construction, the tops shall be poured in place and the wall steel shall be left exposed to a height 2" below the finish top elevation, or as directed by the City Engineer

2. Pre–cast shop drawings are to be approved by the City Engineer for publicly financed or administered projects Pre–cast shop drawings for privately financed projects are to be submitted to the Engineering Services Division of the Planning and Development Services Department.

3. Do not scale these drawings for dimensions or clearances. Any questions regarding dimensions shall be brought to the attention of the City Engineer prior to construction

4. The first dimension listed in the construction notes is the "L" dimension The second dimension is the "W" dimension The concrete thickness and reinforcement shown is for boxes with ("L"+"H") and ("W"+"H") less than or equal to 20 For boxes with either of these calculations greater than 20, a special design is required

Concrete

5. Concrete used in this work shall be KCMMB4K, as approved by the Kansas City Metropolitan Materials Board, and shall meet the requirements of the Overland Park Municipal Code.

6 Concrete construction shall meet the applicable requirements of Standard Specifications for State Road and Bridge Construction, Kansas Department of Transportation, latest edition, except as modified in the Overland Park Municipal Code

7 Inlet floors shall be shaped with non–reinforced concrete inverts to provide smooth flow

8. Bevel all exposed edges with ¾" triangular molding

Reinforcing Steel

9 Reinforcing steel shall be new billet, minimum Grade 60 as per ASTM A615M, and shall be bent cold.

10 All dimensions relative to reinforcing steel are to centerline of bars 2" clearance shall be provided throughout unless noted otherwise. Tolerance of +/– ⅛" shall be permitted

11 All lap splices not shown shall be a minimum of 40 bar diameters in length

12. All reinforcing steel shall be supported on fabricated steel bar supports @ 3'–0" maximum spacing

13. All dowels shall be accurately placed and securely tied in place prior to placement of bottom slab concrete. Sticking of dowels into fresh or partially hardened concrete will not be acceptable

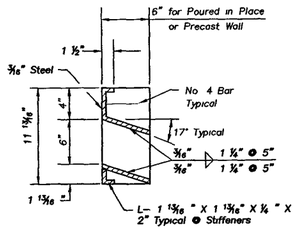
Construction

14 The bottom slab shall be at least 24 hours old before placing sidewall concrete. All sidewall forms shall remain in place a minimum of 24 hours after sidewalls are poured before removal, and after removal shall be immediately treated with membrane curing compound

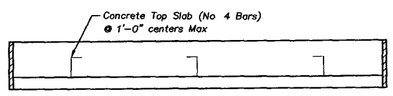
15. Pipe connections to pre–cast structures shall have a minimum of 6" of concrete around the entire pipe within 2' of the structure

16. All curb inlet tops are to be constructed after final curb string line has been approved by the Engineer and prior to curb construction, or as directed by the City Engineer

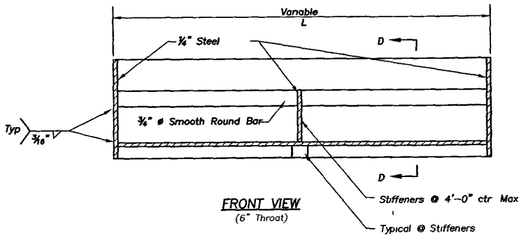
17 Material selection and compaction requirements for backfill around structures shall be as specified in the Manual of Infrastructure Standards, as promulgated by the City Engineer



SECTION D–D (6" THROAT)



TOP VIEW

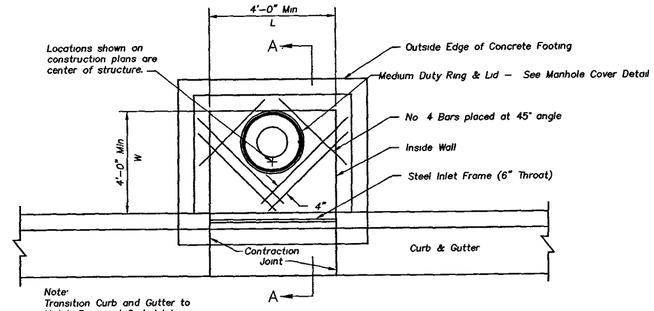


FRONT VIEW
(6" Throat)

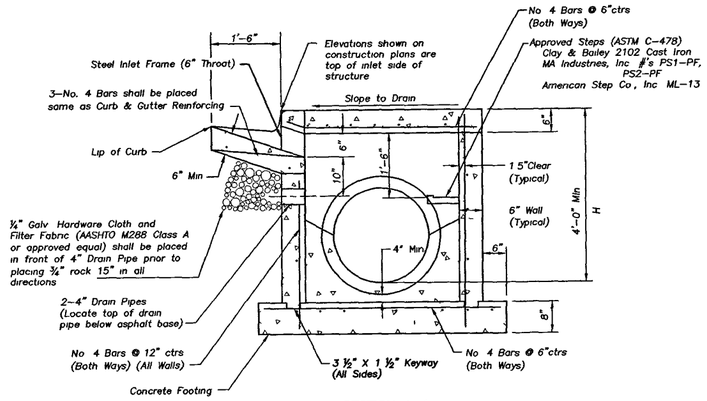
Steel Inlet Frame Notes

1 All welds shall be performed in accordance with appropriate AWS Specifications and Procedures
2 All welds on exposed surfaces shall be dressed so as to provide a pleasing finished appearance
3. The entire frame shall be hot dip zinc coated in accordance with ASTM A–123

NON–SETBACK INLET

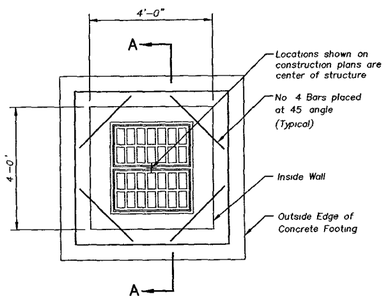


PLAN

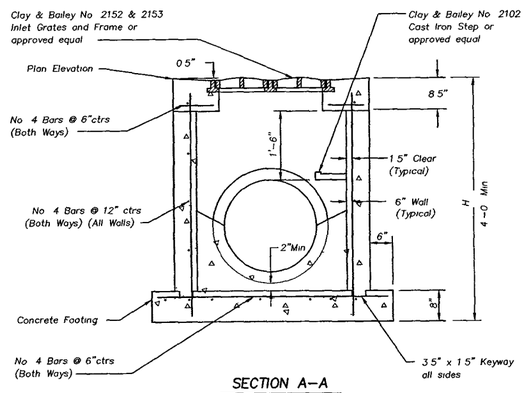


SECTION A–A

NON–SETBACK CURB INLET
(6" Throat)

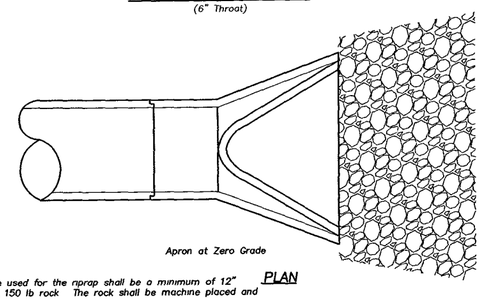


PLAN VIEW



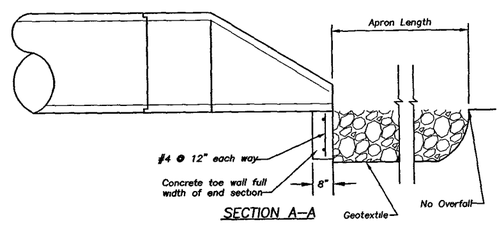
SECTION A–A

GRATE INLET



PLAN

Note,
The stone used for the riprap shall be a minimum of 12" diameter, 150 lb rock The rock shall be machine placed and tracked



SECTION A–A

RIP–RAP (FES OR ROOF DRAIN)

REGISTERED PROFESSIONAL ENGINEER
STEVEN KURT BACHENBERG
5/22/07
17618
MISSOURI

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
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1421 E 104 St Kansas City MO 64131

BHC RHODES
CIVIL ENGINEERS • SURVEYORS
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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

STORM SYSTEM DETAILS

CONSTRUCTION BID SET 5/22/07

Date	May 22
Job Number	7450
Drawn By	PO
Checked By	JD

Revisions		
Number	Date	Descrip
1	5/25/07	ADI

C-7

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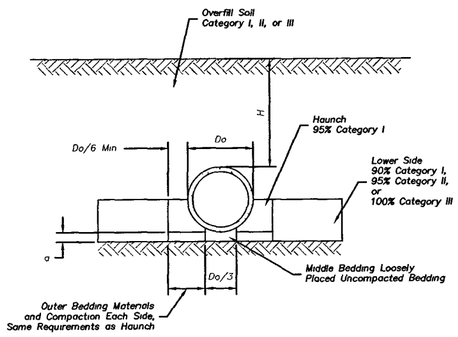
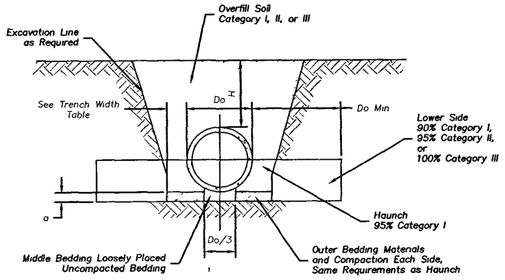


Embankment Installation



Trench Installation

RCP INSTALLATION

TYPE I

No Scale

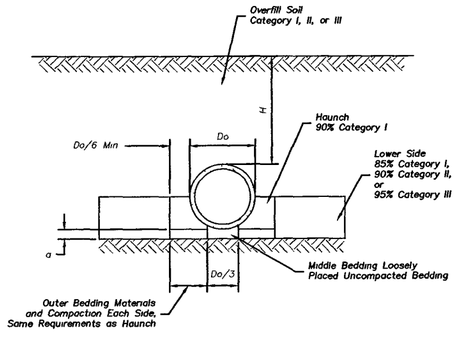
(Rev 07/01/03)

REPRESENTATIVE SOIL TYPES

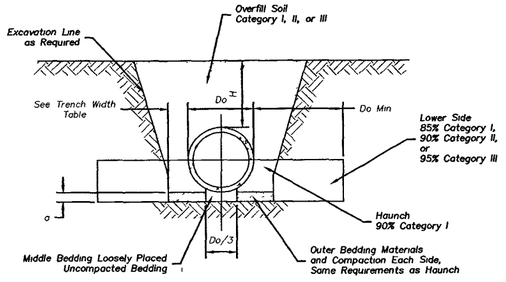
SIDD Soil	USCS	AASHTO
Gravelly Sand (Category I)	SW, SP, GW, GP	A1, A3
Sandy Silt (Category II)	GM, SM, ML, Also GC, SC with less than 20% passing #200 sieve	A2, A4
Silty Clay (Category III)	CL, MH, GC, SC CH	A5, A6

TABLE OF FILL DEPTHS BELOW PIPE

D	"a" min in Soil	"a" min in Rock
60" & smaller	3"	6"
66" & larger	6"	12"



Embankment Installation



Trench Installation

RCP INSTALLATION

TYPE II

No Scale

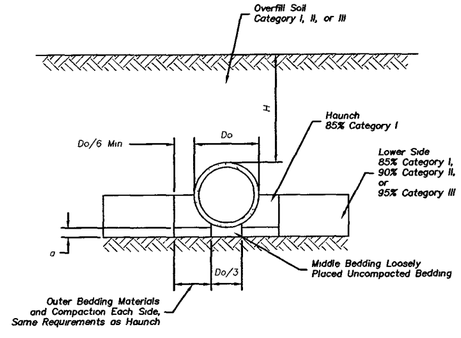
(Rev 07/01/03)

CA–5 GRADATION

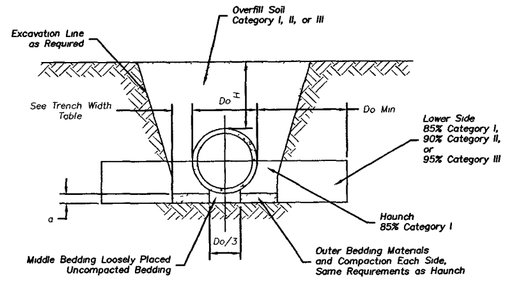
Sieve	% Retained
¾ in	0 – 5
⅜ in	40 – 60
No 8	95 – 100

TRENCH WIDTH TABLE

Pipe Size (inches)	Minimum Side Wall Clearance (inches)
12 – 30	6
33 – 42	9
48 – 60	12
66 – 90	18
96 – 108	24



Embankment Installation



Trench Installation

RCP INSTALLATION

TYPE III

No Scale

(Rev 07/01/03)

RCP installation notes

1 Type III Trench Installation shall be used, unless otherwise specified

2 Category I material shall be crushed stone or siliceous gravel meeting the requirements of Section 1102 of the Standard Specifications, Aggregate Designation CA–5, except that the material passing the No 200 sieve may exceed 2 5% by weight, to be placed in not more than 6" layers

3 Compaction and soil symbols – i e "95% Category I" – refers to Category I soil material with minimum standard Proctor compaction of 95%

4 Tamped backfill will be required for the full depth of the trench above the granular fill in the following locations
A. Where beneath driveways, walks, or other surface construction or structure,
B At such other locations as may be required by the plans

Tamped backfill shall be finely divided job excavated material free from debris, organic material and stones, compacted to 95% maximum density as determined by AASHTO STANDARD, Method T–99 Granular fill may be substituted for all or part of tamped backfill

Tamped granular backfill shall be AB–3, as specified in the Standard Specifications, compacted to a minimum of 9% of optimum density, within 0 to minus 2 percent of optimum moisture, to the surface of the existing subgrade

5 See street repair details for backfill requirements under streets or roadways

Trench installation notes

1 The trench top elevation shall be no lower than 0 1 H below finished grade or, for roadways, its top shall be no lower than an elevation of 1' below the bottom of the pavement base material

2. Soil in outer bedding and haunch zones shall be compacted to at least the same compaction as specified for the majority of soil in the backfill zone

3. The trench width shall be wider than shown if required for adequate space to attain the specified compaction in the haunch and bedding zones

4 For trench walls that are within 10 degrees of vertical, the compaction or firmness of the soil in the trench walls and lower side zone need not be considered

5 For trench walls with greater than 10 degree slopes that consist of embankment, the lower side shall be compacted to at least the same compaction as specified for the soil in the backfill zone

Embankment installation notes

1 Soil in the outer bedding, haunch and lower side zones shall be compacted to at least the same compaction as the majority of soil in the overfill zone

2 A subtrench is defined as a trench with its top below finished grade by more than 0 1 H or, for roadways, its top is at an elevation lower than 1' below the bottom of the pavement base material

3 The minimum width of a subtrench shall be 1 33 Do or wider if required for adequate space to attain the specified compaction in the haunch and bedding zones.

4 For subtrenches with walls of natural soil, any portion of the lower side zone in the subtrench wall shall be at least as firm as an equivalent soil placed to the compaction requirements specified for the lower side zone and as firm as the majority of soil in the overfill zone, or shall be removed and replaced with soil compacted to the specified level

STEVEN KURT BACHENBERG 7/31/07 1718 REGISTERED PROFESSIONAL ENGINEER STATE OF OKLAHOMA

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

STORM SYSTEM DETAILS

CONSTRUCTION BID SET 5/22/07

Date	May 22 2007
Job Number	7460
Drawn By	PO
Checked By	JD

Revisions

Number	Date	Description
1	5/25/07	ADD #1

C-8

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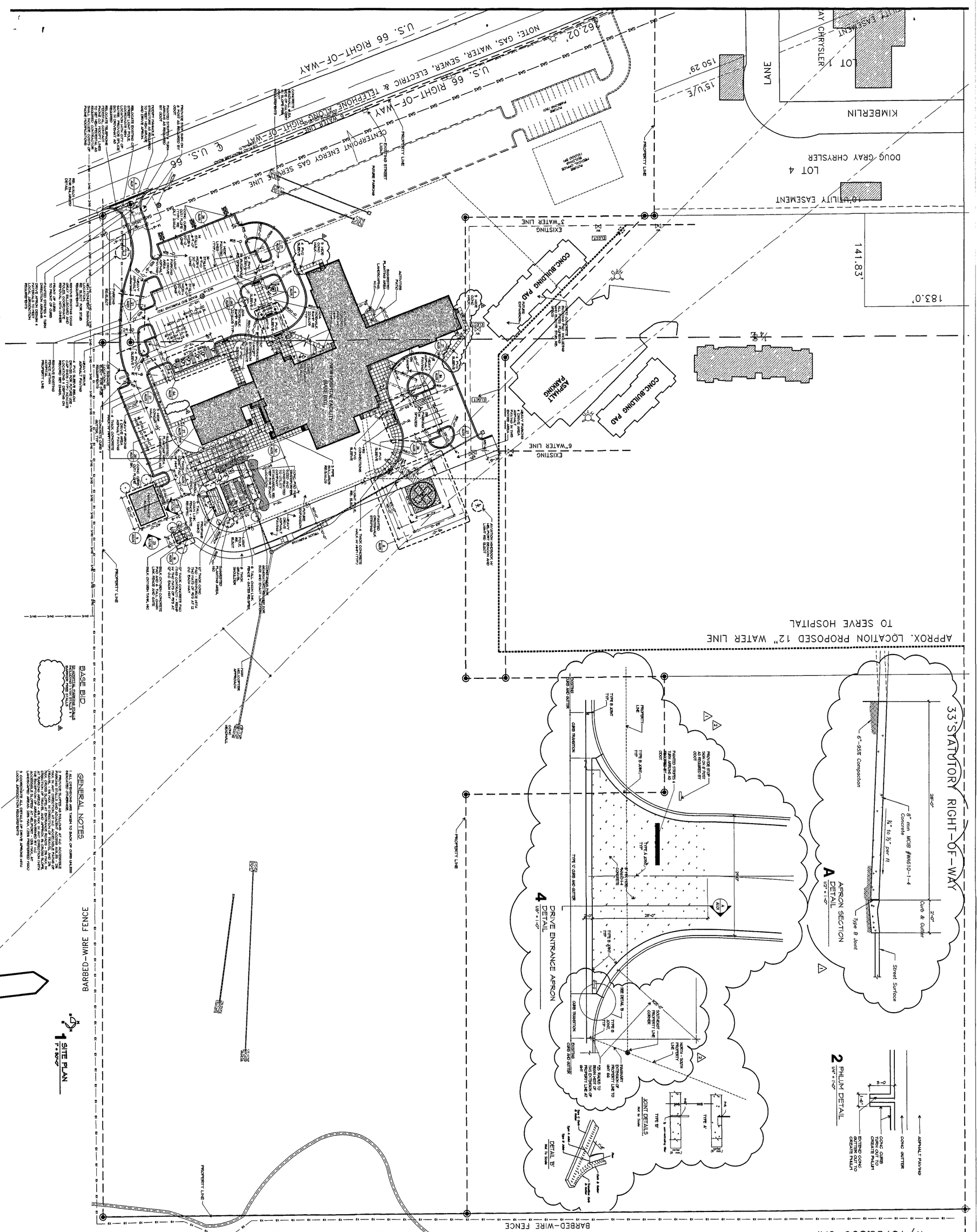

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date June 29 2007
Job Number 4-06033.00
Drawn By
Checked By

Revisions Number	Date	Description
1	5/25/07	ADD #1
2	6/01/07	ADD #2
3	7/13/07	GMP SET

Bredson and Associates Inc
Mechanical Electrical Plumbing
Consulting Engineers
8511 Hillcrest Suite 100
Kansas City Mo 64138
816 356 6569

Bob D Cambell & Co
Structural Engineers
4338 Belleview
Kansas City Mo 64111
816 531 4144

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
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St. Louis, MO 63141
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Kansas City, MO 64131

STATE OF OKLAHOMA
LARRY W. DIEHL
#4464
LEAWOOD, KANSAS
LICENSED ARCHITECT
7-14-07

A1.01
SITE PLAN

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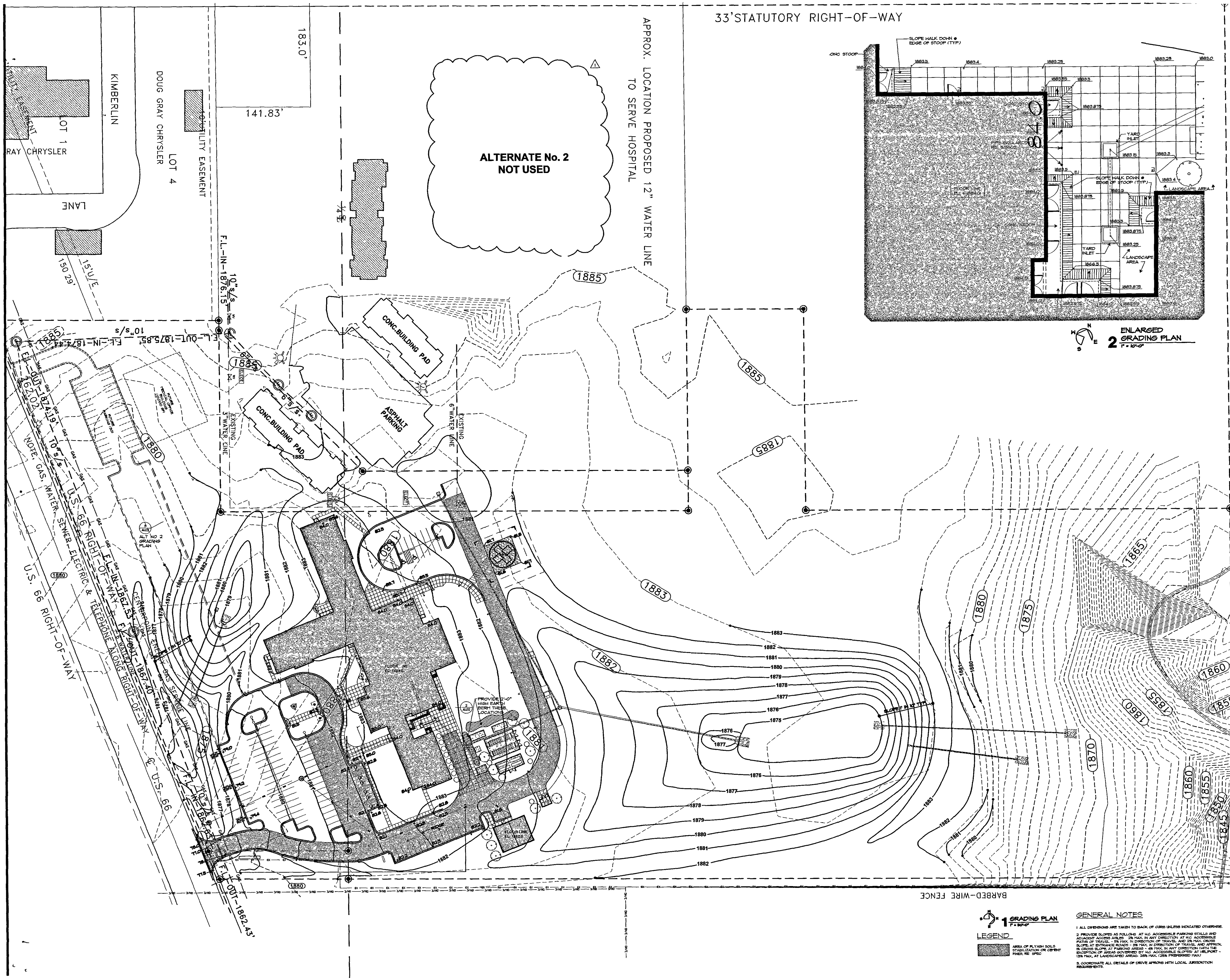

GENERAL NOTES

1 ALL DIMENSIONS ARE TAKEN TO BACK OF CURB UNLESS INDICATED OTHERWISE.

2 PROVIDE SLOPES AS FOLLOWS AT H.C ACCESSIBLE PARKING STALLS AND ADJACENT ACCESS AISLES - 2% MAX. IN ANY DIRECTION AT H.C ACCESSIBLE PATHS OF TRAVEL - 5% MAX. IN DIRECTION OF TRAVEL AND 2% MAX. CROSS SLOPE; AT ENTRANCE ROADS - 5% MAX. IN DIRECTION OF TRAVEL AND APPROX. 1% CROSS SLOPE. AT PARKING AREAS - 4% MAX. IN ANY DIRECTION (WITH THE EXCEPTION OF AREAS GOVERNED BY H.C ACCESSIBLE SLOPES) AT HELIPORT - 1.5% MAX. AT LANDSCAPED AREAS: 28% MAX. (25% PREFERRED MAX)

3. COORDINATE ALL DETAILS OF DRIVE APRONS WITH LOCAL JURISDICTION REQUIREMENTS.

LEGEND

AREA OF FLYASH SOILS STABILIZATION OR CEMENT FINES, RE SPEC

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd, St Louis MO 63141
11229 Nall Suite 140, Leawood KS 66211, 913 338 2300, 913 338 2003 fax
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Bredson and Associates Inc
Mechanical Electrical Plumbing Consulting Engineers
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Bob D Cambell & Co
Structural Engineers
4338 Belleview, Kansas City Mo 64111, 816 531 4144

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033.00
Drawn By	
Checked By	

Revisions

Number	Date	Description
1	7/13/07	GMP SET

A1.02

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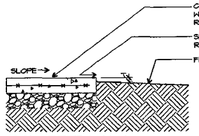
GRADING PLAN

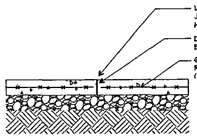
CONCRETE SIDEWALK NOTES.

1 1/2" PRE-MOLDED EXPANSION JOINTS SHALL BE PLACED AT 30'-0" CENTERS MAXIMUM OR WHEN ABUTTING BUILDING OR DISSIMILAR MATERIALS OR WHERE NOTED

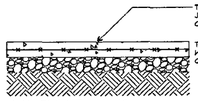
2 KEY ALL CONSTRUCTION JOINTS



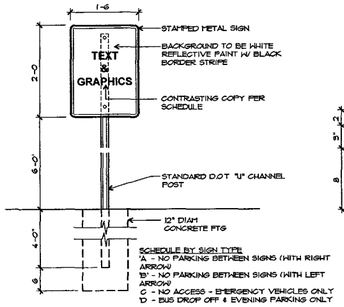
30 CONCRETE WALK EDGE CONDITION
3/4" = 1'-0"



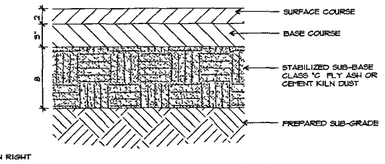
29 CONCRETE WALK EXPANSION JOINT
3/4" = 1'-0"



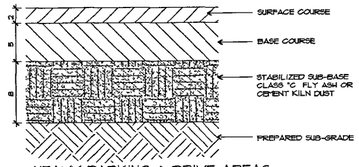
28 CONCRETE WALK CONTROL JOINT
3/4" = 1'-0"



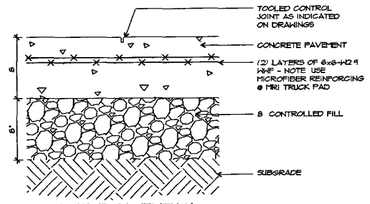
25 PARKING LOT SIGNS
3/4" = 1'-0"



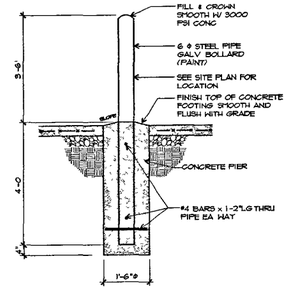
11 LIGHT PARKING & DRIVE AREAS ASPHALT PAVEMENT SECTION
1 1/2" = 1'-0"



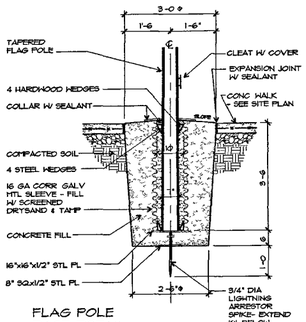
12 HEAVY PARKING & DRIVE AREAS ASPHALT PAVEMENT SECTION
1 1/2" = 1'-0"



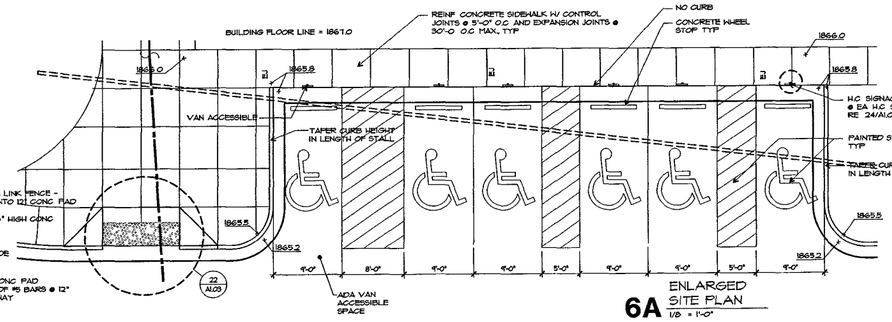
13 CONCRETE PAVEMENT/ SUBGRADE APRON SECTION
1 1/2" = 1'-0"



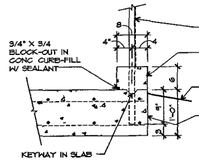
5 PIPE BOLLARD DETAIL
1/2" = 1'-0"



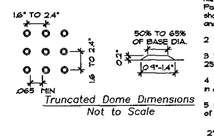
4 FLAG POLE BASE DETAIL
1/2" = 1'-0"



6A ENLARGED SITE PLAN
1/8" = 1'-0"



19 PAD / CURB DETAIL
3/4" = 1'-0"



24 SIGN @ BARRIER FREE PARKING STALLS
3/4" = 1'-0"

PAVER BRICK NOTES:

1 Paving brick shall be 2¼" x 3¾" x 7⅝" Endicott Clay Products Co., handicap detectable warning pavers Medium Ironspot 446 color or Pacific Products Medium Ironspot ADA pavers, or approved equal and shall meet the requirements of ASTM C902 for Class SX Type I Brick and ASTM C1272

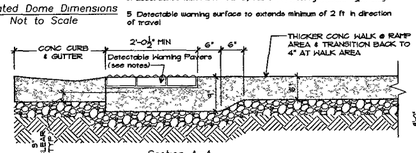
2 The bricks shall be placed in a Soldier Course pattern.

3 The bricks shall be saw cut only and any brick shall not be less than 25% of a full brick.

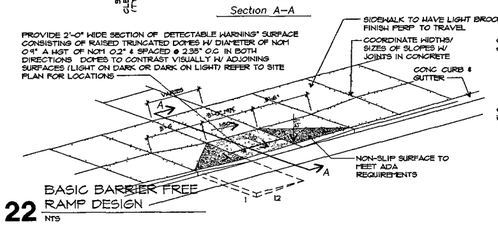
4 Type M mortar shall be used for the setting bed and grouted joints in accordance with ASTM C270, Table 1 ("Masonry Cement Type only)

5 Detectable warning surface to extends minimum of 2 ft in direction of travel

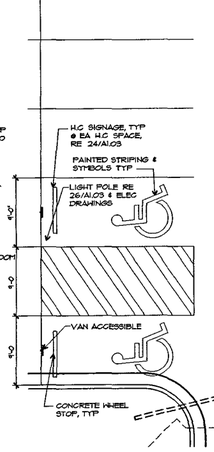
Truncated Dome Dimensions
Not to Scale

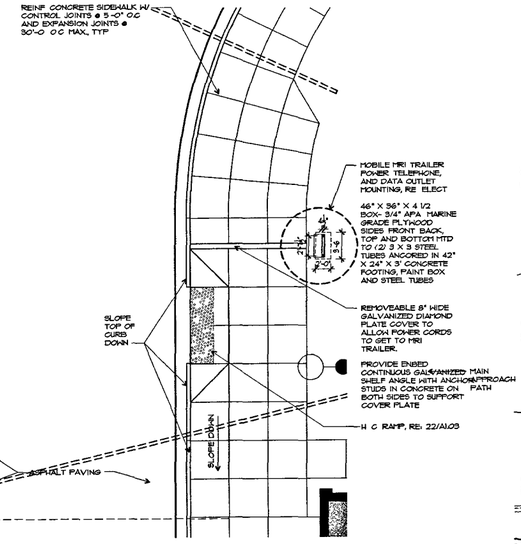


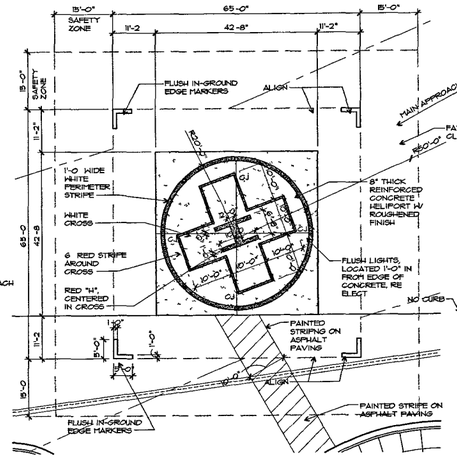
Section A–A



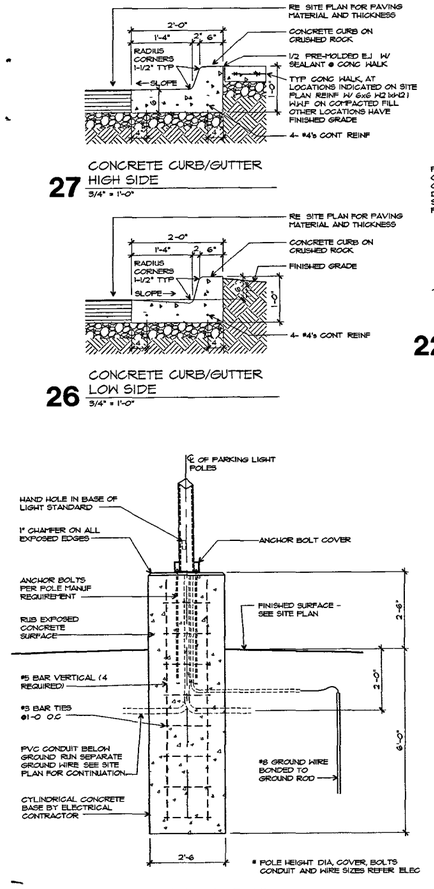
22 BASIC BARRIER FREE RAMP DESIGN
NTS







8 ENLARGED HELIPORT PLAN
1/16" = 1'-0"

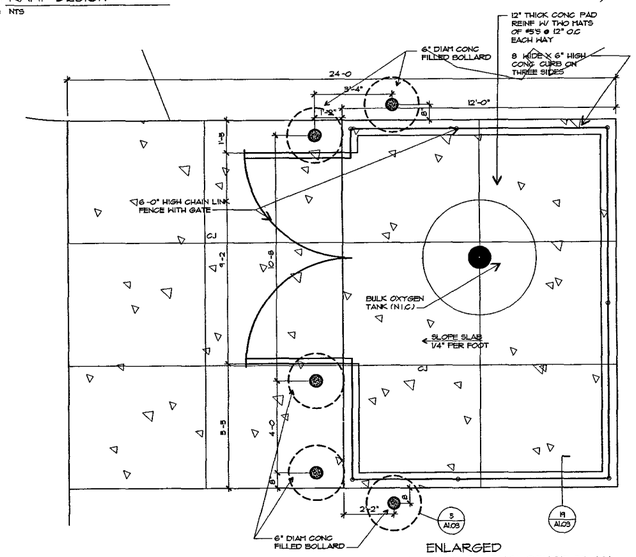


27 CONCRETE CURB/GUTTER HIGH SIDE
3/4" = 1'-0"

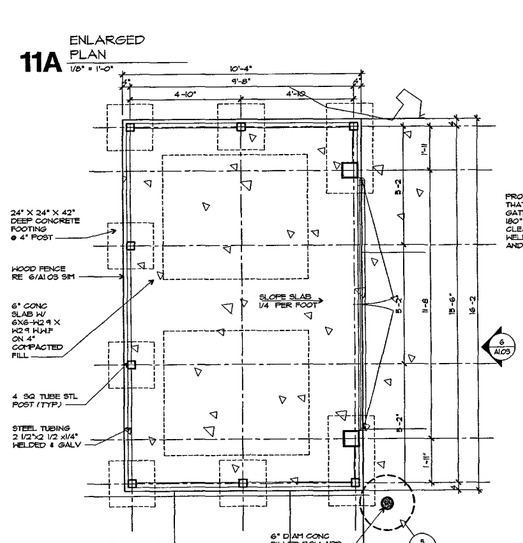
26 CONCRETE CURB/GUTTER LOW SIDE
3/4" = 1'-0"

25A LIGHT POLE BASE DETAIL
1/2" = 1'-0"

* POLE HEIGHT DIA. COVER, BOLTS CONDUIT AND WIRE SIZES REFER ELEC

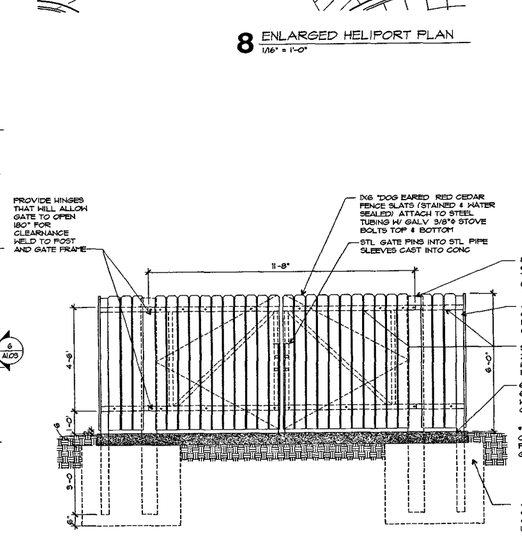


16 ENLARGED OXYGEN ENCLOSURE PLAN
3/8" = 1'-0"



11A ENLARGED PLAN
1/8" = 1'-0"

11 ENLARGED TRASH ENCLOSURE PLAN
3/8" = 1'-0"



6 ELEV @ TRASH ENCLOSURE GATE
3/8" = 1'-0"

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions

Number	Date	Descripton

A1.03

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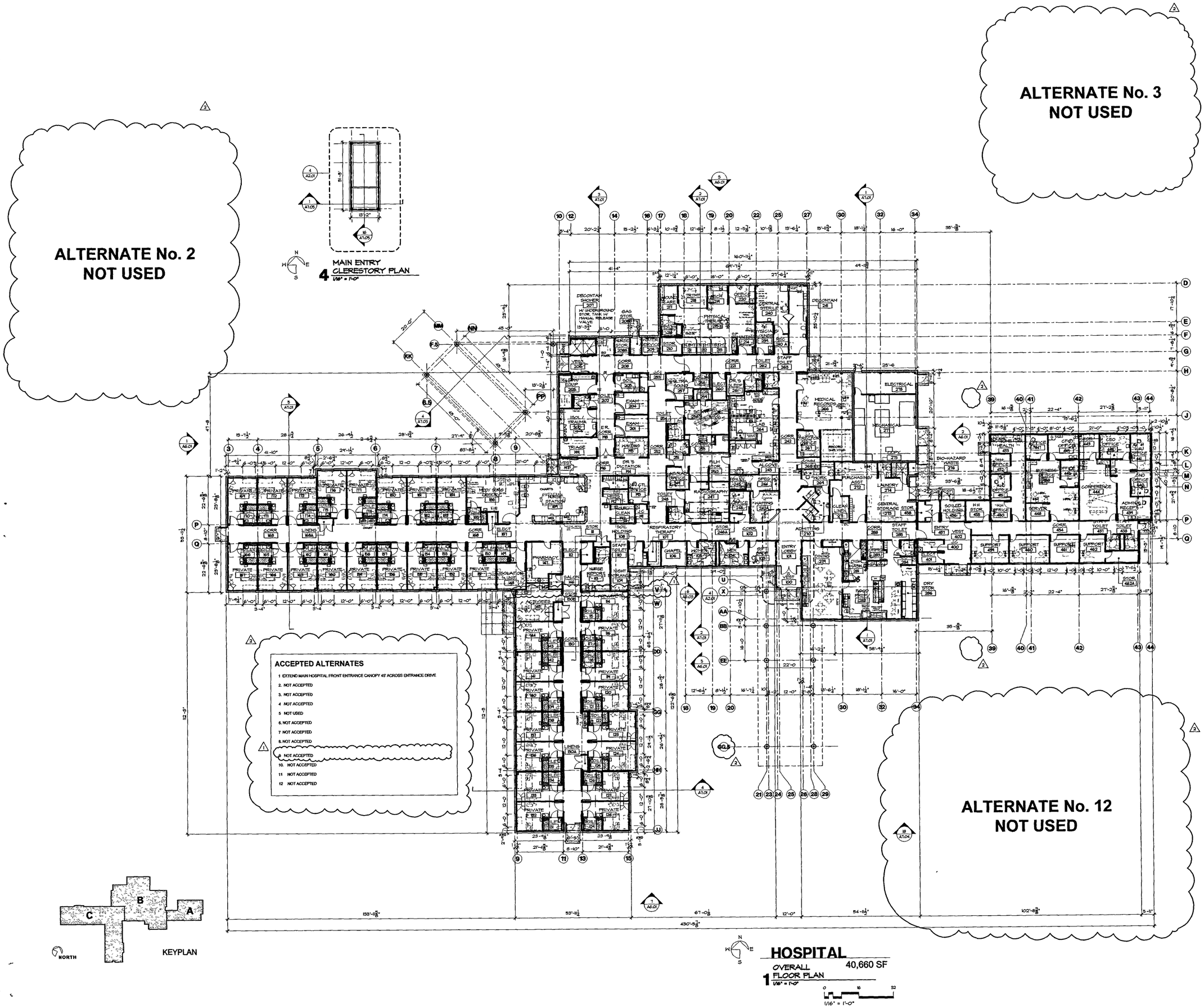
SITE DETAILS



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SAYRE, OKLAHOMA

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Checked By	LWD

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1	5/23/07	ADD #1
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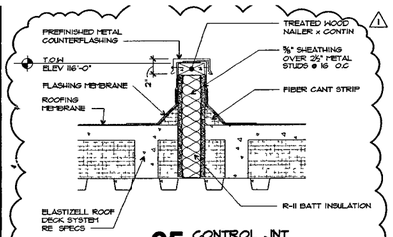
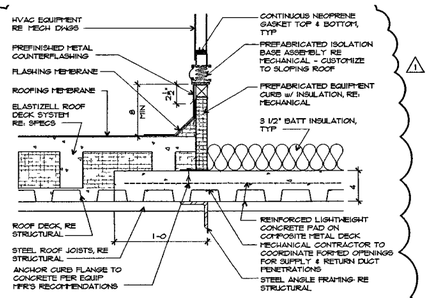
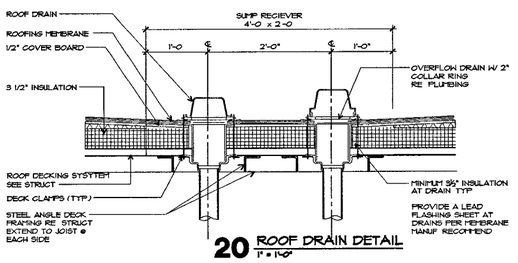
1/16" OVERALL FLOOR PLAN



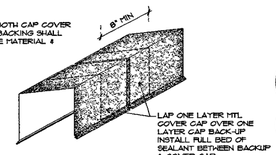
25 CONTROL JNT
1 1/2" = 1'-0"



27 TYP ROOF CURB DTL. @ RTU
1 1/2" = 1'-0"



20 ROOF DRAIN DETAIL
1" = 1'-0"

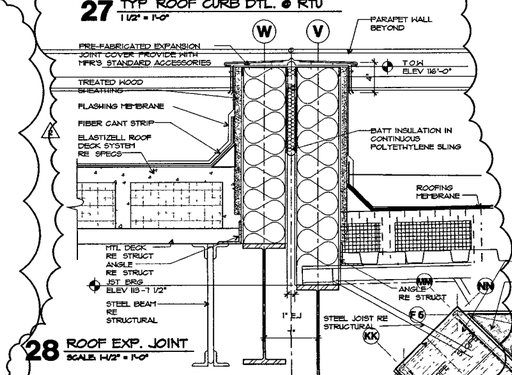


REFER PLATE 42 - FIGURE D (SMI) - SMACNA MANUAL #81 EDITION

10 ROOF CAP DETAIL
3/4" = 1'-0"

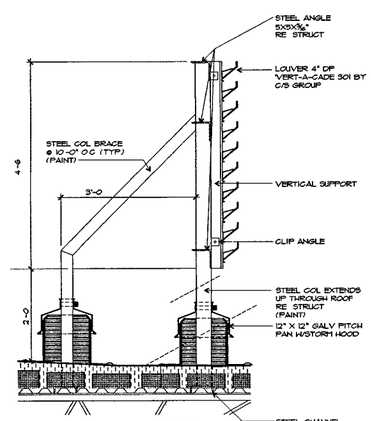
ALTERNATE No. 3
NOT USED

ALTERNATE No. 2
NOT USED



28 ROOF EXP. JOINT
SCALE: 1 1/2" = 1'-0"

1 HOSPITAL OVERALL ROOF PLAN
1/16" = 1'-0"



26 DETAIL
3/4" = 1'-0"

21 ROOF HATCH & WALL LADDER DETAIL
3/4" = 1'-0"

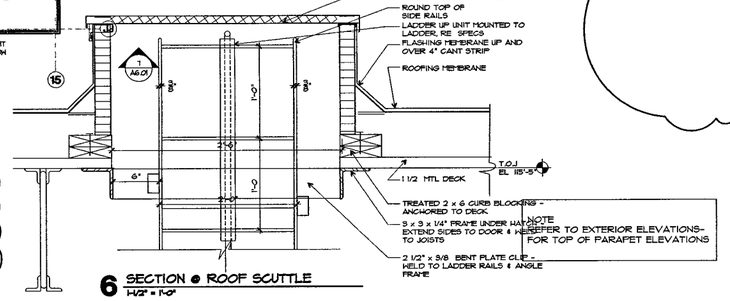
ROOF NOTES

1 ROOF SYSTEM SHALL CONSIST OF SINGLE PLY MODIFIED BITUMEN ROOFING OVER LIGHT WEIGHT CONCRETE ROOF DECK SYSTEM TO MEET R-20 OVER VENTED METAL DECK UNLESS NOTED OTHERWISE

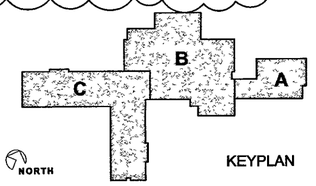
2 WALKWAY PADS SHALL BE PLACED AROUND ALL SIDES OF ROOF TOP EQUIPMENT- TYPICAL

3 ROOF SLOPES FOR DRAINAGE ARE TO BE ACHIEVED WITH THE SLOPING OF THE STRUCTURE AND THE ADDITION OF TAPERED INSULATION IN THE FORM OF CRICKETS CRICKETS SHOWN ARE SCHEMATIC ONLY AND MAY BE CHANGED TO PROVIDE PROPER DRAINAGE AND AVOID ANY PONDING OF WATER. ROOF SLOPES SHALL BE A MINIMUM OF 1/4" PER FOOT

4 EXTERIOR DOWNSPOUTS WHERE NOTED ARE TO BE SQUARE (DS = S'S)



6 SECTION @ ROOF SCUTTLE
1 1/2" = 1'-0"



KEYPLAN

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STATE OF OKLAHOMA DIENL WEBSTER 8469 REGISTERED KANSAS 7-14-07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
Drawn By	SKB
Checked By	

Revisions

Number	Date	Description
1	5/25/07	ADD #1
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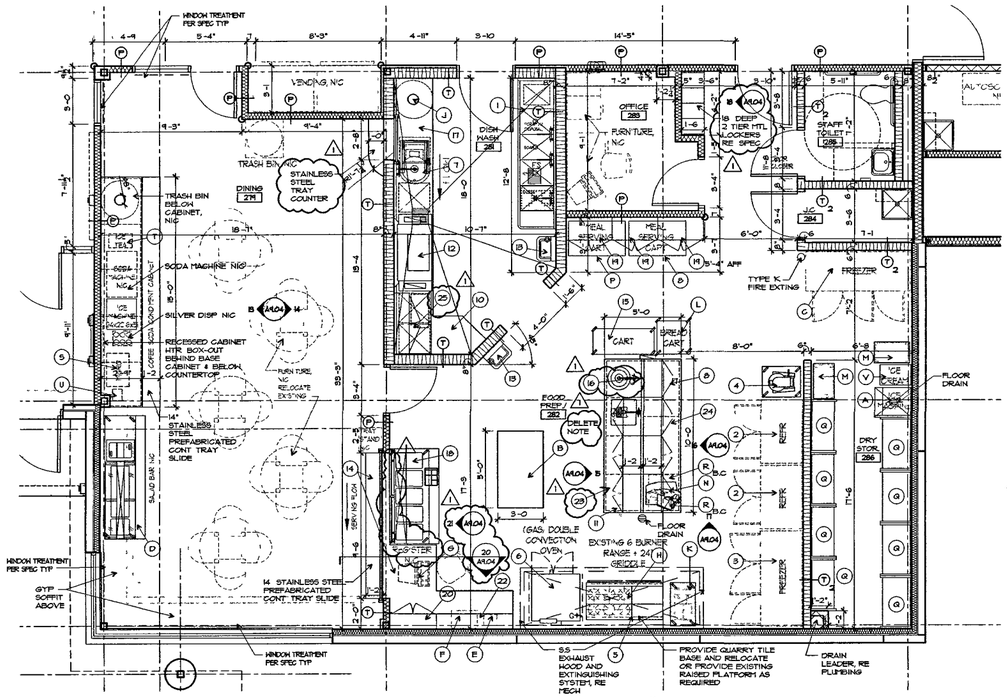
ROOF PLAN



18 DIETARY EQUIPMENT PLAN
1/4" = 1'-0"

0 8 16

KITCHEN EQUIPMENT LIST

ITEM NO	QTY	*NEW* EQUIPMENT
1	1	SCULLERY SINKS, DISPOSAL, TABLE, AND UNDERSHELVES
2	2	2-DOOR REACH-IN REFRIGERATOR - 49 52" W X 32 3"D X 70 35" H
3	1	3-DOOR REACH-IN FREEZER - 74 8" W X 32 3" D X 70 35" H
4	1	HOBART 20 QT MIXER ON MOBILE STAND- 19 1/8" W X 23 1/2" D X 29" H -CART 24" W X 38" D X 24"H
5	1	EXISTING RANGE AND GRIDDLE- PROVIDE NEW GAS VALVE (1)
6	1	DOUBLE CONVECTION OVEN - BLODGETT - MODEL DFG-100 Xcts.
7	1	2 HP WASTE DISPOSAL
8	1	PORTABLE SERVING HOT/COLD CABINET
9	1	KITCHENAID MIXERS (6 QUART 10 SPEED + 9 SPEED HAND MIXER))
10	1	CLEAN DISH TABLE W/ UNDERSHELVES
11	1	MAUNUAL #10 CAN OPENER
12	1	HOBART C44A DISHWASHING MACHINE
13	2	FLOOR PEDAL HAND SINK
14	1	STAINLESS STEEL TRAY SLIDE AND S S WORK COUNTER
15	1	MOBILE POT AND PAN SHELVING
16	1	1 HP VEGETABLE DISPOSAL IN 18" CONE OVERHEAD PRE-RINSE SPRAY
17	1	SOILED DISHTABLE LANDING AND UNDERSHELF
18	1	NEW 5 WELL STEAMTABLE ELECTRIC AND SNEEZE GUARD
19	3	36" X 30" X 18" S S UPPER CABINET W/ SHELVES + DOORS MOUNTED 5'-4" A.F F
20	1	36" X 14" X 30" S S UPPER CABINET W/ SHELVES + DOORS
21	1	ICE MACHINE (CRUSHED) AT SODA COUNTER (1)
22	1	14" X 60" S S SHELVES (2 HIGH) W/ S S BRACKETS (1)
23	1	SALAD PREP WORK TABLE AND CABINETS
24	1	DRY PREP WORK TABLE + CABINETS
25	1	48" X 14" X 30" S S UPPER CABINET W/ SHELVES + DOORS (1)

ITEM NO	QTY	EXISTING EQUIPMENT
A	1	ICE MACHINE 22" X 28" - SEE PHOTO 'C' - (RIGHT)
B	1	RELOCATED STAINLESS STEEL TABLE AND POT RACKS TO BE PAINTED - SEE PHOTO 'E'
C	1	TURBO AIR (3 DOOR FREEZER) 81 9" X 30 8" X 82 9"
D	1	SALAD BAR
E	1	TOASTMASTER TOASTER
F	1	G E MICROWAVE
G	1	SHARP XE-A120 CASH REGISTER
H	1	6 BURNER RANGE WITH 24" GRIDDLE WITH 2 GAS OVENS - SEE PHOTO 'A'
J	1	WASTE BARREL ON DOLLIE (1)
K	1	DEAN -SERIES AB DEEP FAT FRYER MODEL# SR152GN - PROVIDE NEW GAS CONNECTION RE SPEC
L	1	BREAD CART
M	2	EXISTING UTILITY CARTS
N	1	HOBART SLICER 24" W X 27 25" D
P	1	PORTABLE UNITRAY SERVING CART UT-720-C BY USECO PRODUCTS - SEE PHOTO 'B'
Q	8	EXISTING WIRE SHELVING
R	2	FLOUR AND SUGAR PORTABLE CONTAINER CARTS - APPROX 24" X 24" X 12" - SEE PHOTO 'D'
S	1	EXIST TAPPAN MICROWAVE OVEN
T	1	BUNN ICE TEA DISPENSOR
U	1	PROCTOR SILEX TOASTER
V	1	ICE CREAM MACHINE SEE PHOTO 'C' - (LEFT EQUIPMENT)

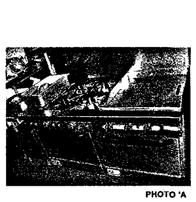


PHOTO 'A'


PHOTO B

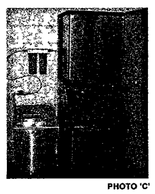


PHOTO 'C'

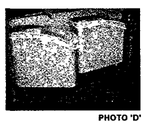
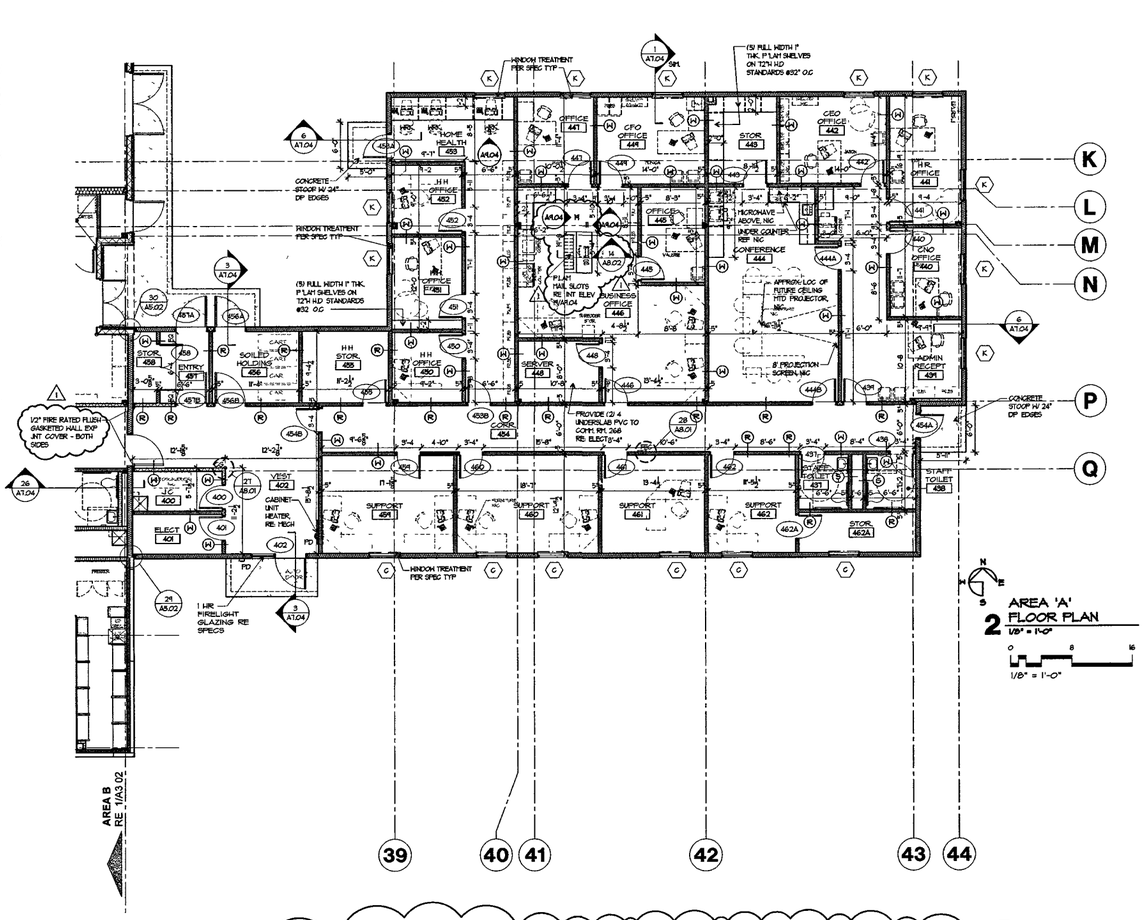


PHOTO 'D'


PHOTO 'E'



2 AREA 'A' FLOOR PLAN
1/8" = 1'-0"

0 8 16

1/8" = 1'-0"

ALTERNATE No. 12
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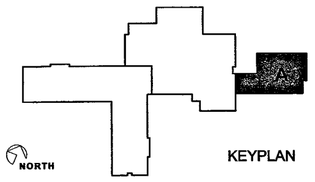

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

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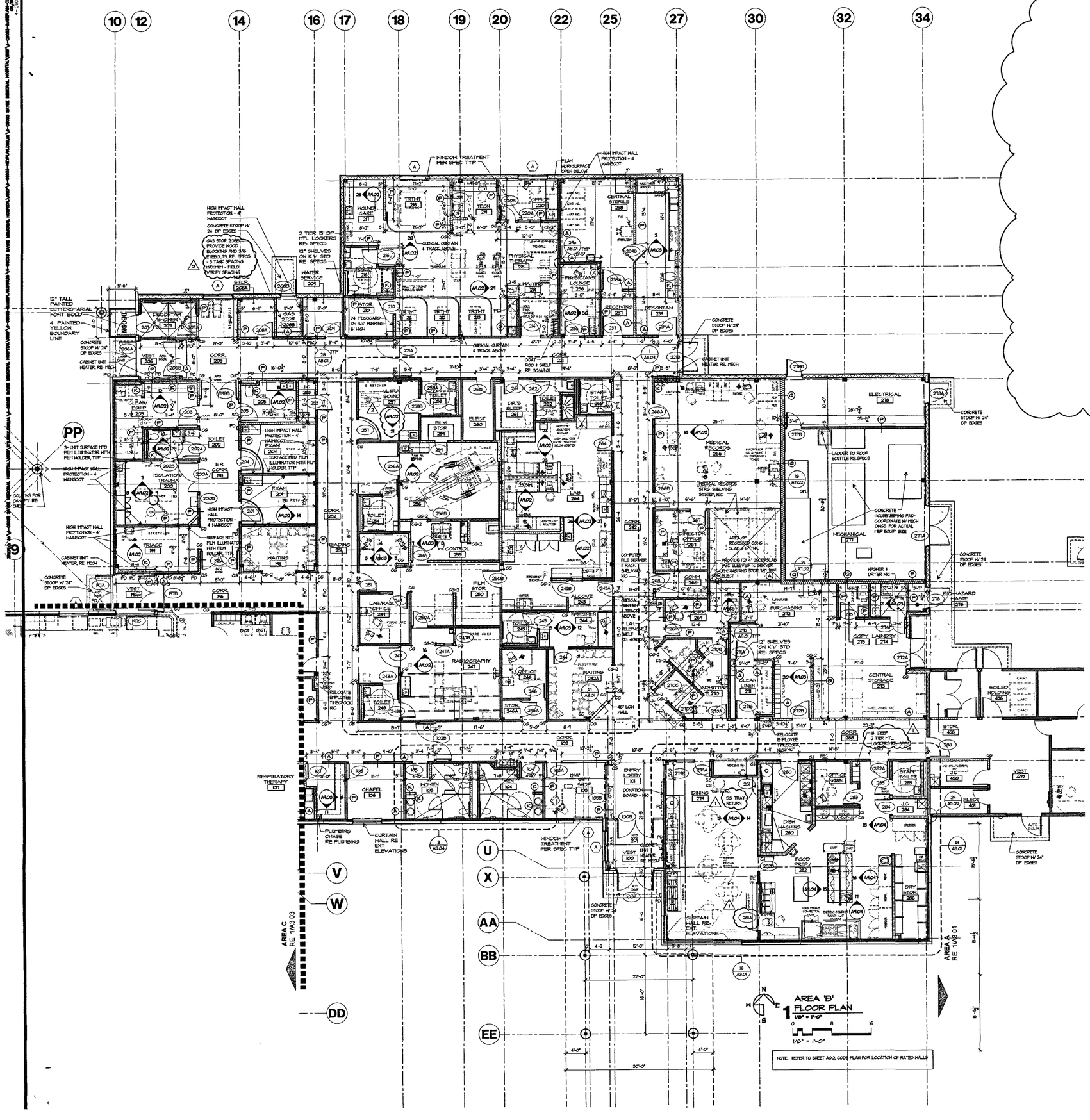
AREA 'A' 1/8" FLOOR PLAN
DIETARY 1/4" FLOOR PLAN



1 AREA 'B' FLOOR PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET A0.2, CODE PLAN FOR LOCATION OF RATED WALLS

ALTERNATE No. 3
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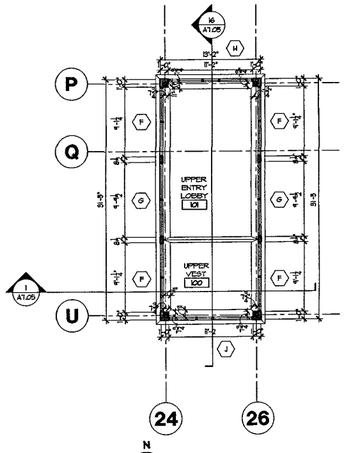
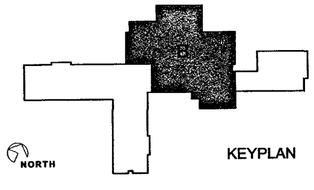


2 CLERESTORY PLAN
MAIN ENTRY
1/8" = 1'-0"



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SAYRE, OKLAHOMA

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3	7/13/07	GMP SET

A3.02

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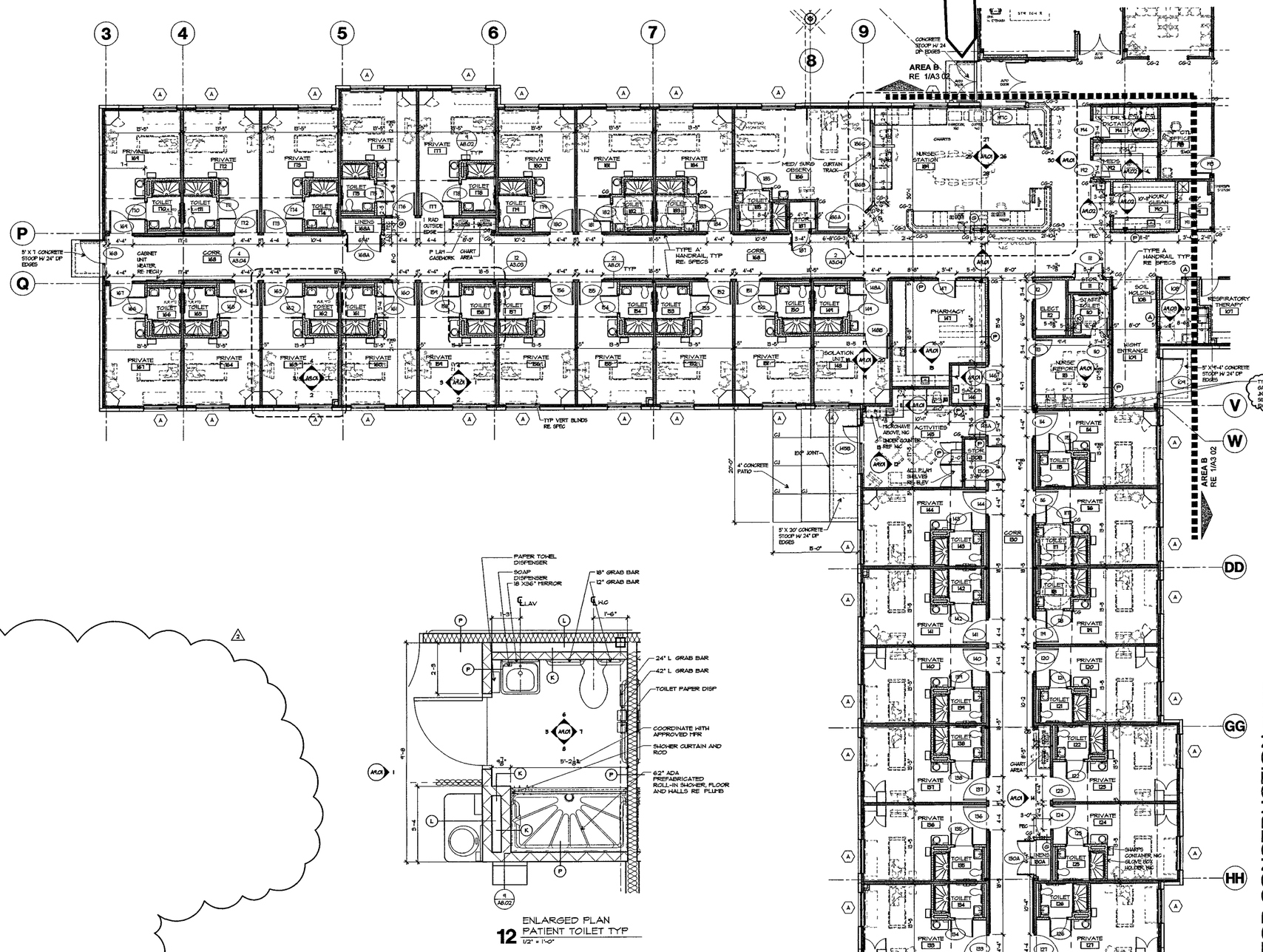
AREA 'B' 1/8" FLOOR PLAN



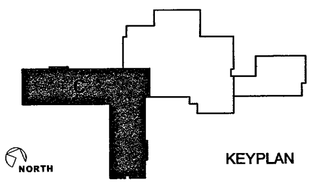
12 ENLARGED PLAN PATIENT TOILET TYP
1/2" = 1'-0"

1 AREA 'C' FLOOR PLAN
1/8" = 1'-0"
0 8 16
1/8" = 1'-0"

NOTE ALL PATIENT ROOM PARTITIONS SHALL BE TYPE 'F' UNLESS OTHERWISE NOTED

NOTE REFER TO SHEET A0.02, CODE PLAN FOR LOCATION OF RATED WALLS

ALTERNATE No. 2
NOT USED



KEYPLAN

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SAYRE, OKLAHOMA

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AREA 'C' 1/8" FLOOR PLAN

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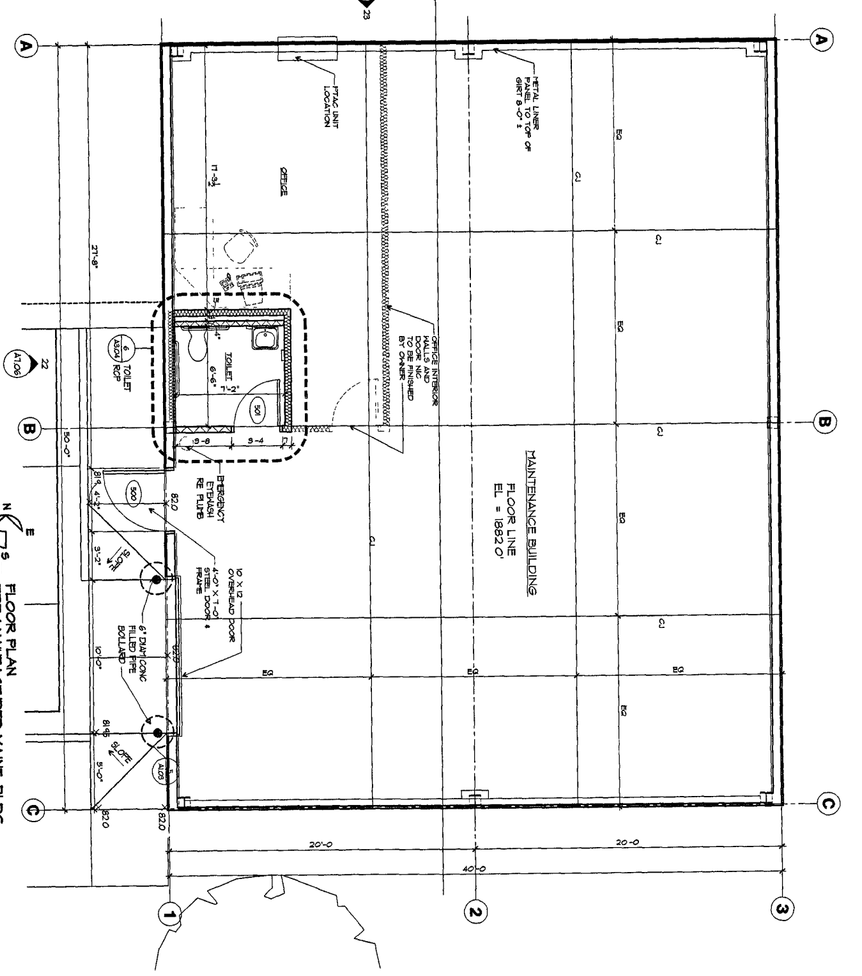
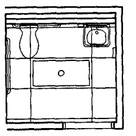
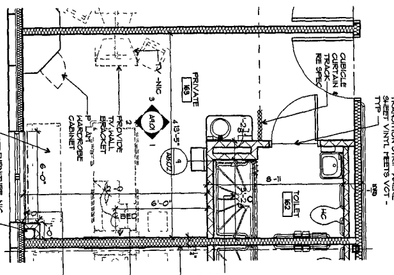


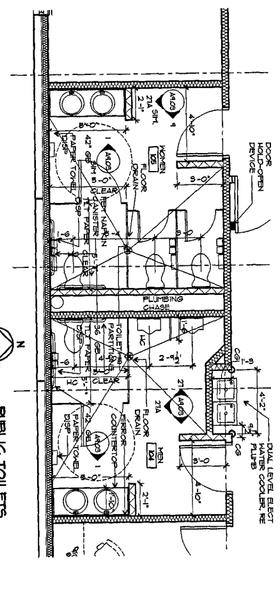
FLOOR PLAN
PRE-MANUFACTURED MAINT. BLDG
1/4" = 1'-0"



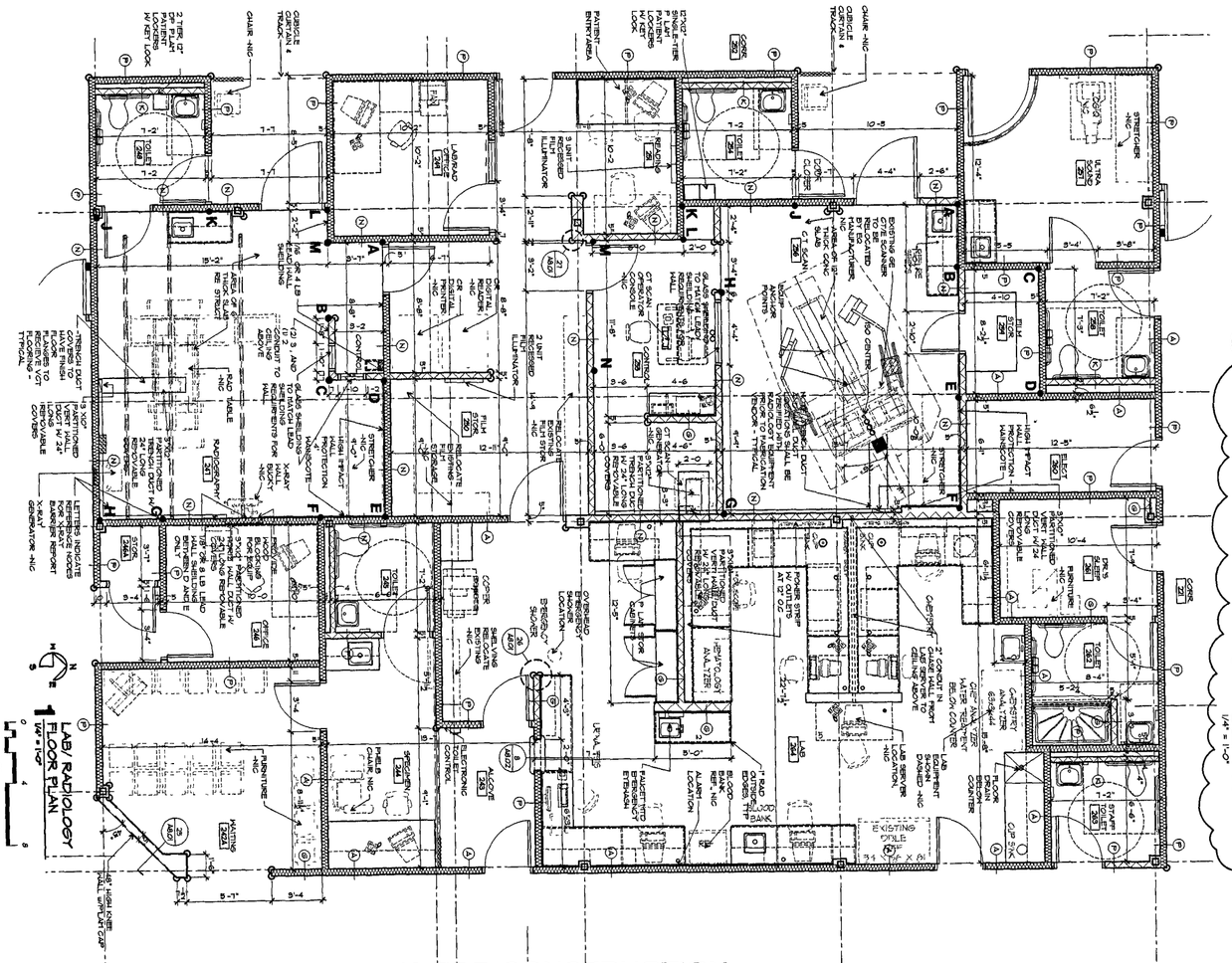
RCP
TOILET • MAINT. BLDG
1/4" = 1'-0"

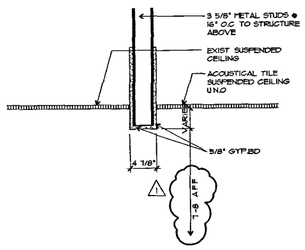


ENLARGED PLAN
TYPICAL PRIVATE PATIENT ROOM
1/4" = 1'-0"

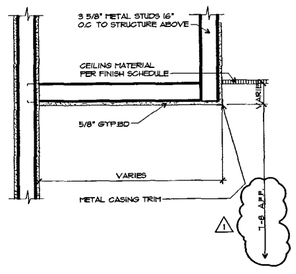


PUBLIC TOILETS
FLOOR PLAN
1/4" = 1'-0"

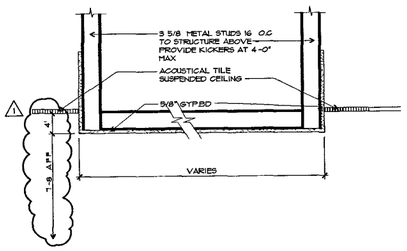




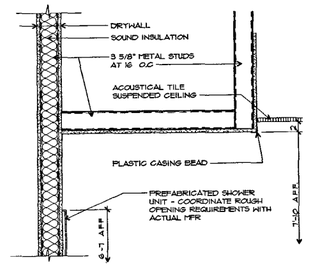
30 CEILING DETAIL
1" = 1'-0"



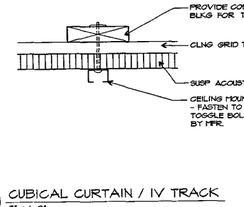
25 CEILING DETAIL
1" = 1'-0"



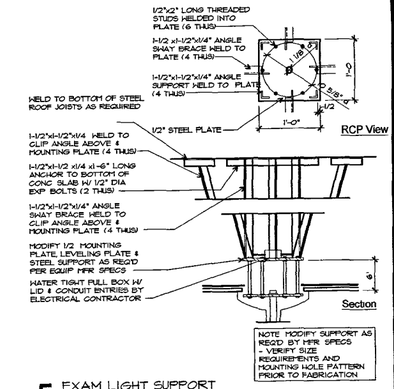
20 CEILING DETAIL
1" = 1'-0"



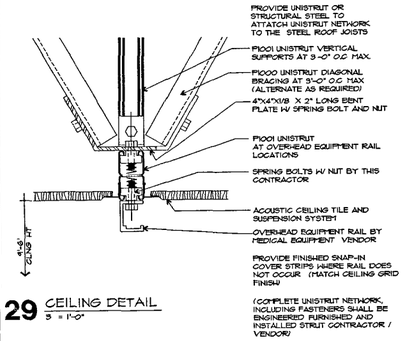
15 CEILING DETAIL
1" = 1'-0"



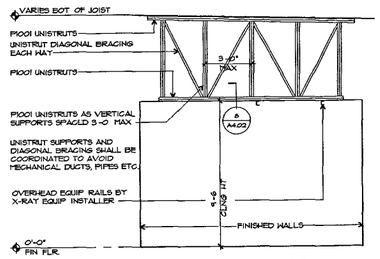
10 CUBICAL CURTAIN / IV TRACK
3" = 1'-0"



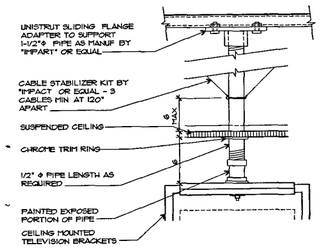
5 EXAM LIGHT SUPPORT
1" = 1'-0"
CEILING MTD INJECTORS SIMILAR



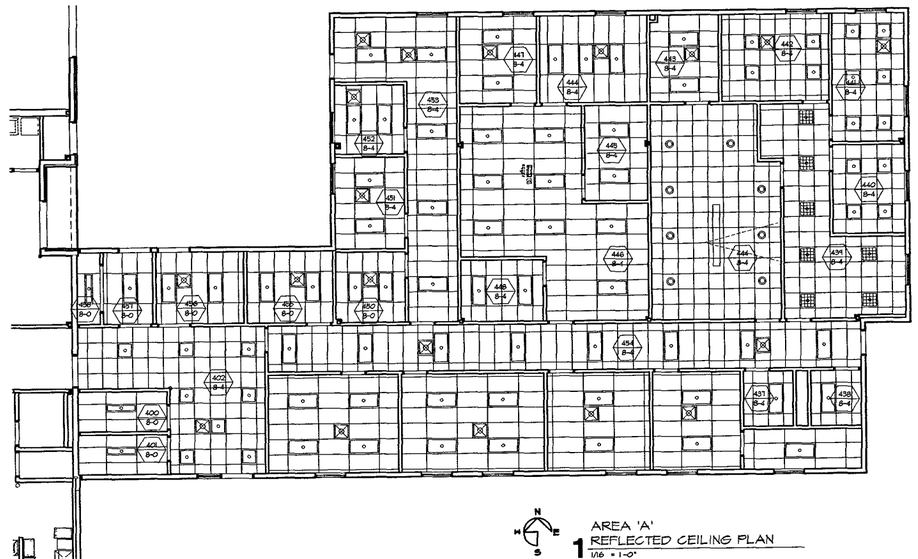
29 CEILING DETAIL
3" = 1'-0"



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



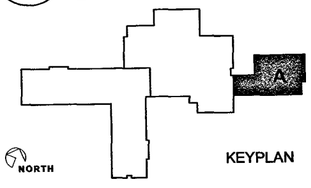
28 TV MOUNTING BRACKET DETAIL
1-1/2" = 1'-0"



1 AREA 'A' REFLECTED CEILING PLAN
1/16" = 1'-0"

ALTERNATE No. 12
NOT USED

AREA B
RE 2/A3.02



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd
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913 338 2300 fax
1421 E 104 St
Kansas City MO 64131

Bredson and Associates Inc
Mechanical Electrical Plumbing
Consulting Engineers
8511 Hallcrest Suite 100
St Louis MO 63138
618 356 6969

Bob D Campbell & Co
Structural Engineers
4338 Belleview
Kansas City Mo 64111
816 531 4144

Date	June 29 2007
Job Number	4-06033 00
Drawn By	SKB
Checked By	

Revisions

Number	Date	Descripbon
1	6/01/07	ADD #2
2	7/13/07	GMP SET

A4.01

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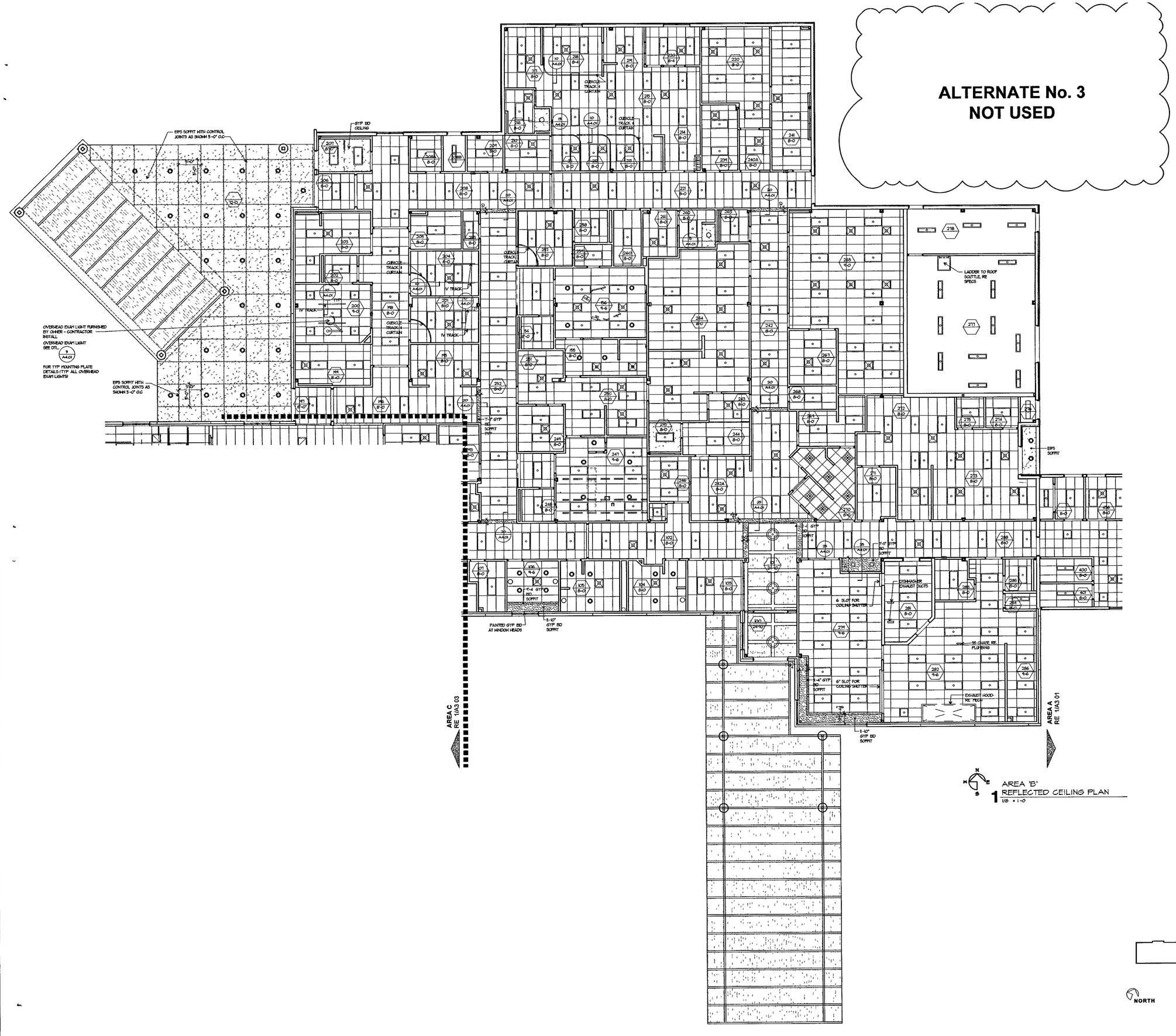
REFLECTED CEILING PLAN

4-06033-01.dwg
4-06033-01 SAYRE MEMORIAL HOSPITAL\A4.01 -



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

ACI BOLAND
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Date	June 29 2007
Job Number	4-06033 00
Drawn By	SKB
Checked By	

Revisions

Number	Date	Description
1	7/13/07	GMP SET

A4.02

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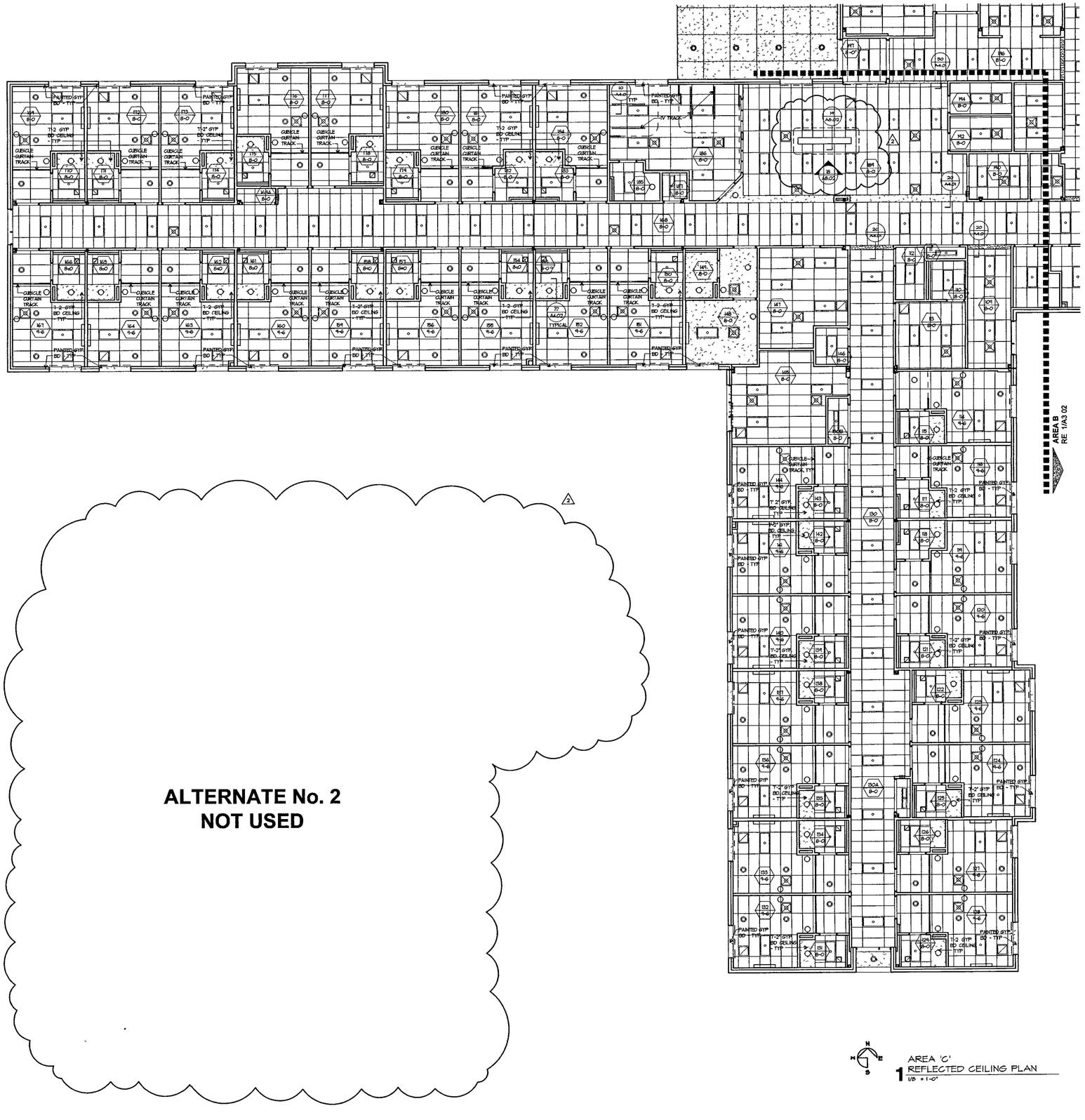
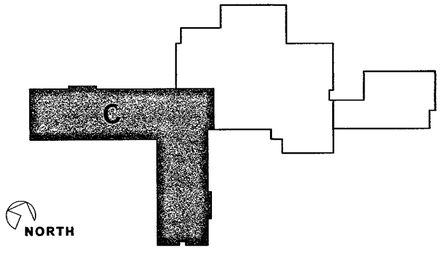
REFLECTED CEILING PLAN





1 AREA 'C' REFLECTED CEILING PLAN
1/8 = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

7-14-07

ACI BOLAND
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Structural Engineers
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816 531 4144

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	SKB
Checked By	

Revisions

Number	Date	Description
1	5/25/07	ADD #1
2	7/13/07	GMP SET

A4.03

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REFLECTED CEILING PLAN

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	HGT	THK	MATL	EL	GLAZING	LOUVER WD	LOUVER HGT	FRAME MATL	FRAME EL	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING LABEL	NOTES
100A	3'-8 PR	7' 10"	1 3/4"	ALUM		SEE ELEV			ALUM	AA					STOREFRONT / POWER OPERATOR
100B	3'-8" PR	7'-10"	1 3/4"	ALUM		SEE ELEV			ALUM	FF					STOREFRONT / POWER OPERATOR
102B	3'-8" PR	7'-0"	1-3/4"	WD	4	1/4 WIRE			HM	C				45 MIN	DOUBLE EGRESS / ELECT MAG HOLD OPEN
103A	3 -0"	7'-0"	1-3/4"	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02		0	
103B	4 -4"	10 -81/2"				1/4 TEMP			HM	F					
104	3 0"	7'-0	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
105	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
106	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
107	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
108	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
109	4'-0"	7' -10	1 3/4			SEE ELEV			ALUM	CC					STOREFRONT
110	3 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
111	PR 2 -8"	7'-0	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
112	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
113	3'-0"	7'-0"	1 3/4	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02		0	
114	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
115	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
116	4'-0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
117	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
118	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
119	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
120	4'-0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02		0	
121	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
122	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
123	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
124	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
125	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
126	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
127	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
128	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
129	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02			
130	4'-0"	7' 10"	1 3/4"	ALUM		SEE ELEV			ALUM	BB					STOREFRONT SYSTEM
130A	PR 3 -0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
130B	PR 3 -0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
131	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
132	4' 0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02		0	
133	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
134	3'-0"	7'-0	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
135	3 0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
136	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
137	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
138	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02			
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140	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
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144	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
145A	3'-0"	7'-0"	1 3/4"	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02		0	
145B	3'-0"	7' 10"	1-3/4"	ALUM		1" INSUL			ALUM						STOREFRONT SYSTEM
146	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
147	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
148A	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
148B	4'-0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
149	3'-0"	7'-0	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
150	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
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154	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
155	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
156	4' 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
157	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
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160	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
161	3 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
162	3 0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
163	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
164	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
165	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
166	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02			
167	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
168	4'-0"	7' 10"	1-3/4"			SEE ELEV			ALUM	BB				45 MIN	STOREFRONT SYSTEM
169	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
170	3 -0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
171	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
172	4'-0"	7' 0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02		0	
173	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
174	3 -0	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
175	3'-0"	7' 0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
176	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
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182	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
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184	4 -0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02		0	
185	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
186A	4 -0"	7'-0"	1 3/4"	WD	3	1/4 TEMP			HM	A	1A5 02	1A5 02		0	135 DEGREES SWING
186B	3' 2"	6'-4"				1/4 TEMP			HM	K				0	
186C	3'-2"	6 -4				1/4" TEMP			HM	K				0	
187	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
188A				WD	1				HM	A	1A5 02	1A5 02			
188B				WD	1				HM	A	1A5 02	1A5 02			
191	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
192	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
193	3'-0"	7'-0"	1-3/4"	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02		0	
194	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
197A	3'-6" PR	7' 10"	1 3/4"	ALUM		SEE ELEV			ALUM	EE					STOREFRONT / POWER OPERATOR
197B	3'-6" PR	7' 10"	1 3/4"	ALUM		SEE ELEV			ALUM	EE					STOREFRONT / POWER OPERATOR
197C				ALUM		1/4 TEMP			ALUM	L					
198A	3'-8 PR	7'-0"	1-3/4"	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02		0	POWER OPERATOR
198B	3 -8 PR	7'-0"	1-3/4"	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02		0	POWER OPERATOR
200A	4'2 PR	7'-0"	1-3/4"	WD	4	1/4 TEMP			HM	A	1A5 02	1A5 02			
200B				WD	4	1/4" TEMP			HM	N	1A5 02	1A5 02			NO LAMINATED SAFETY GLASS
201	4'-0"	7'-0"	1 3/4"	WD	4	1/4 TEMP			HM	A	1A5 02	1A5 02			
202A	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
202B	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			135 DEGREES SWING
203	4'-0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
204	4 -0"	7'-0"	1 3/4"	WD	4				HM	A	1A5 02	1A5 02			
205	3'-0	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
206A	3'-0 PR	7' 10"	1-3/4"	ALUM		SEE ELEV			ALUM	EE					STOREFRONT / POWER OPERATOR
206B	3'-0" PR	7'-10"	1 3/4	ALUM		SEE ELEV			ALUM	EE					STOREFRONT / POWER OPERATOR
207	4 -0"	7'-10"	1 3/4"	HM	1				HM	A					
207A	4 -0"	7'-0"	1-3/4"	HM	1				HM	A	1A5 02	1A5 02			
208A	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
208B	3'-0"	7'-10"	1 3/4"	HM	1		1'-8"	1'-6	HM	A					
209	3' 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
210	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
214	4 -0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
216	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
219						1/4" TEMP			HM	G					
220A	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
220B			1 3/4"						HM	L					
221A	3'-8" PR	7'-0"	1-3/4"	WD	4	1/4 WIRE			HM	C				45 MIN	DOUBLE EGRESS / ELECT MAG HOLD OPEN
221B	3'-0" PR	7'-10"	1 3/4"	ALUM		SEE ELEV			ALUM	EE					STOREFRONT
243A	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
243B	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
244	3 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
245	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
246	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
246A	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
247	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	8A5 02	8A5 02			LEAD LINED
247A						LEAD			HM	H	19A5 02	19A5 02			LEAD LINED BORROWED LITE
247B						LEAD			HM	H	19A5 02	19A5 02			LEAD LINED BORROWED LITE
248A	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
248B	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	8A5 02	8A5 02		0	LEAD LINED

AREA B - ALTERNATE No. 3

ALTERNATE No. 3
NOT USED

AREA C - ALTERNATE No. 2 ONLY

ALTERNATE No. 2
NOT USED

AREA A1 - ALTERNATE No. 12 ONLY

ALTERNATE No. 12
NOT USED

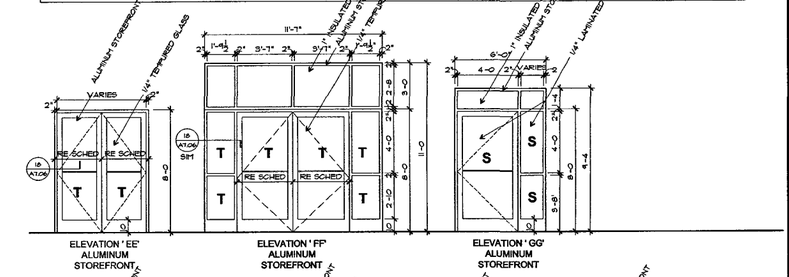
DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	HGT	THK	MATL	EL	GLAZING	LOUVER WD	LOUVER HGT	FRAME MATL	FRAME EL	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING LABEL	NOTES
249	3'-0"	7'-0"	1 3/4"	WD	1				HM	J	1A5 02	1A5 02			
250A	3'-0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			LEAD LINED
250B	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
251	4 -0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
253	3 -0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
254	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
255	3 -0"	7'-0"	1 3/4"	WD	1				HM	A	8A5 02	8A5 02			LEAD LINED
256A	4 -0"	7'-0"	1-3/4"	WD	1				HM	A	8A5 02	8A5 02		0	LEAD LINED
256B						LEAD			HM	M	19A5 02	19A5 02			LEAD LINED BORROWED LITE
257	4'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
258A	3 -0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
258B	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
259	2'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			LEAD LINED
260	3 0	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
261	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
262	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
263	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
264	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
266A	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
266B	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
267	3'-0"	7'-0"	1-3/4"	WD	1				HM	J	1A5 02	1A5 02			
268	3 0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
269	3 -0	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
270A	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
270B	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
270C	-	-	-						HM	R	1A5 02	1A5 02			
270D									HM	Q	1A5 02	1A5 02			
271A	4'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
271B	4'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02		0	
272A	3'-0 PR	7' 10"	1-3/4"	HM	2				HM	A				90 MIN	
272B	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
274	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
275	3' 0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
276	4 -0"	7' 10"	1 3/4"	HM	2				HM	A				90 MIN	
277A	4'-0" PR	7' 10"	1 3/4"	HM	2				HM	A				90 MIN	
277B	3 -0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
278A	4'-0"	7' 10"	1 3/4"	WD	1				HM	A				90 MIN	
278B	3'-0"	7' 10"	1-3/4"	HM	2				HM	A				45 MIN	
279A	3 -0	7'-0"	1 3/4"	WD	1	SEE ELEV			HM	E	1A5 02	1A5 02		0	
279B	4'-4"	3'-0"	-			1/4" TEMP			HM	G					
280	4'-6	7'-0"	1 3/4"	WD					HM	A	20A5 02	25A5 02			OVERHEAD COILING SHUTTER DOOR
281															OVERHEAD COILING SHUTTER DOOR
281A															
282A	3'-8	7'-0"	1-3/4"	WD	4	1/4 WIRE			HM	A	1A5 02	1A5 02			
282B	3'-0"	7'-0"	1-3/4"	WD	4				HM	A	1A5 02	1A5 02			
283	3'-0"	7'-0"	1-3/4"	WD	3	1/4 TEMP			HM	A	1A5 02	1A5 02			
284	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	18/A5 02	23/A5 02			
285	3 -0"	7'-0"	1-3/4"	WD	1				HM	A	18/A5 02	23/A5 02			
288	4 -0"	7'-0	1 3/4"	WD	5	1/4 WIRE			HM	A	1A5 02	1A5 02		90 MIN	
400	3'-0"	7' 0	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
401	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
402	4 -0"	7' 10"	1-3/4"			SEE ELEV			HM	D				45 MIN	POWER OPERATOR FIRELITE PLUS GLASS, RE SPEC
439	3 0"	7'-0"	1 3/4	WD	4	1/4" WIRE			HM	A	1A5 02	1A5 02		45 MIN	
440	3'-0"	7'-0	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
441	3'-0"	7' 0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
442	3 -0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
443	3' 0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
444A	3' 0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
444B	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
445	3 -0	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
446	3 0"	7'-0"	1 3/4	WD	4	1/4" WIRE			HM	A	1A5 02	1A5 02		45 MIN	
447	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
448	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02			
449	3'-0"	7'-0"	1-3/4	WD	1				HM	A	1A5 02	1A5 02			
450	3 -0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
451	3 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
452	3 0"	7'-0"	1 3/4	WD	1				HM	A	1A5 02	1A5 02			
453A	3'-0"	7'-10"	1 3/4"	HM	2				HM	A				45 MIN	
453B	3 -0	7'-0"	1 3/4"	WD	4	1/4" TEMP			HM	A	1A5 02	1A5 02			
454A	3'-0"	7' 10"	1-3/4"	HM	2				HM	A					
454B	3 -0"	7'-0"	1-3/4"	WD	4	1/4" WIRE			HM	A	1A5 02	1A5 02		45 MIN	
455	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
456A	4 -0"	7'-10"	1 3/4"	HM	2				HM	A				45 MIN	
456B	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
457A	4'-0"	7'-10"	1 3/4"	HM	2				HM	A				45 MIN	
457B	4'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		45 MIN	
458	3'-0" PR	7'-0	1 3/4"	WD	1				HM	A	1A5 02	1A5 02			
459	3'-0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
460	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
461	3'-0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
462	3 0"	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
462A	3 -0	7'-0"	1 3/4"	WD	1				HM	A	1A5 02	1A5 02		0	
500	4'-0"	7'-0"	1 3/4"	HM	2				HM	A	1A5 02	1A5 02		0	
501	3 -0"	7'-0"	1-3/4"	WD	1				HM	A	1A5 02	1A5 02		0	

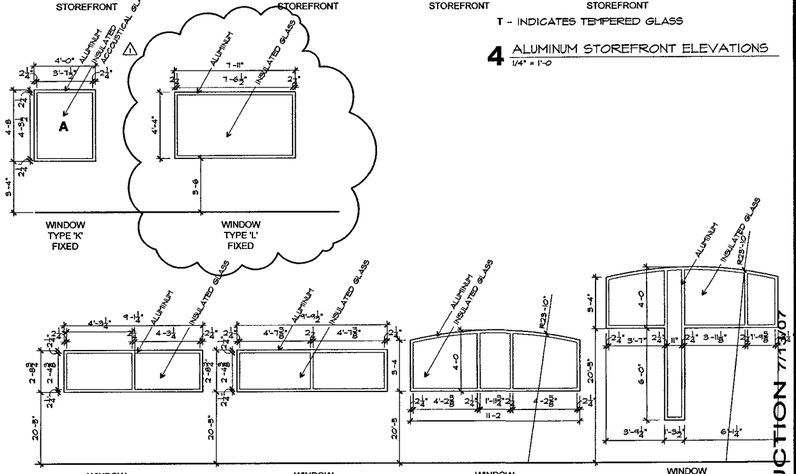
AREA 'A' IF ALTERNATE No 12 IS ACCEPTED, THESE 5 DOORS REMOVED FROM SCOPE OF WORK

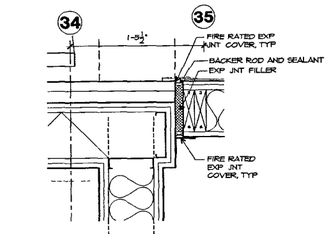
ABREVIATIONS

BL	BORROWED LITE	MATL	MATERIAL
EL	ELEVATION	MIN	MINUTE
ELECT MAG	ELECTRO-MAGNETIC	NA	NOT APPLICABLE
ELEV	ELEVATION	TEMP	TEMPERED
HGT	HEIGHT	THK	THICKNESS
HM	HOLLOW METAL	WD	WIDTH
INSUL	INSULATED		DENOTES ZERO (0) FIRE RESISTIVE CONSTRUCTION - NEEDS TO RESIST PASSAGE OF SMOKE

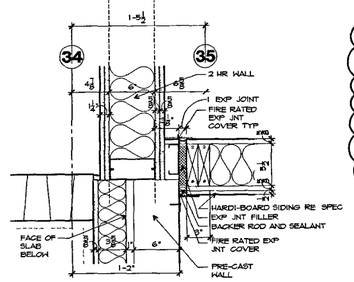


4 ALUMINUM STOREFRONT ELEVATIONS
1/4" = 1'-0

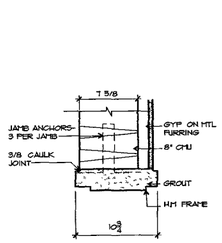

WINDOW TYPE 'K' FIXED
WINDOW TYPE 'L' FIXED
WINDOW TYPE 'F' FIXED
WINDOW TYPE 'G' FIXED
WINDOW TYPE 'H' FIXED
WINDOW TYPE 'J' FIXED
WINDOW TYPE 'A' FIXED
WINDOW TYPE 'B' FIXED
WINDOW TYPE 'C' FIXED
WINDOW TYPE 'D' FIXED
WINDOW TYPE 'E' FIXED
NOTE TO CONTRACTOR
THE FOLLOWING CRITERIA ARE MINIMUM REQUIREMENTS TO MEET REGARDING SPECIFIED WINDOW PERFORMANCE
THE WINDOW MANUFACTURE SHALL SUBMIT AN INDEPENDENT LABORATORY TEST FOR PROPOSED WINDOWS PRIOR TO ORDERING TO COMPLY WITH THE FOLLOWING
A) AIR INFILTRATION SHALL NOT EXCEED 0.50 CFM PER LINEAL FOOT OF CRACK.
B) CONDENSATION RESISTANCE FACTOR (CRF) SHALL BE 60 (TRIPLE) OR GREATER.
C) WATER RESISTANCE SHALL BE NO ENTRY.
D) GLASS "U" VALUE SHALL BE 0.47 OR LESS.
E) WINDOWS SHALL HAVE A THERMAL BREAK BETWEEN INTERIOR / EXTERIOR FRAME
S - INDICATES LAMINATED SA



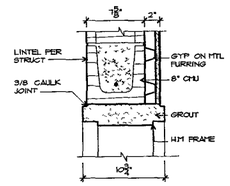
30 PLAN DETAIL @ EXPANSION JOINT
1 1/2" = 1'-0"



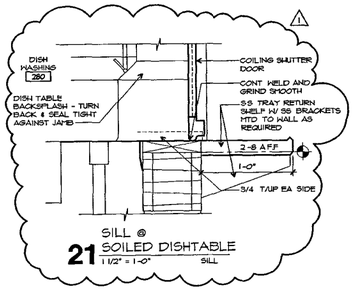
29 PLAN DETAIL @ EXPANSION JOINT
1 1/2" = 1'-0"



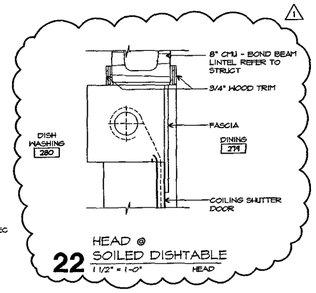
25 DETAIL
1 1/2" = 1'-0" JAMB



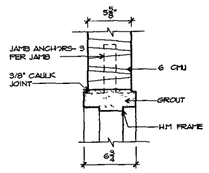
20 DETAIL
1 1/2" = 1'-0" HEAD



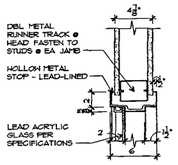
SILL @ SOILED DISHTABLE
21 1 1/2" = 1'-0"



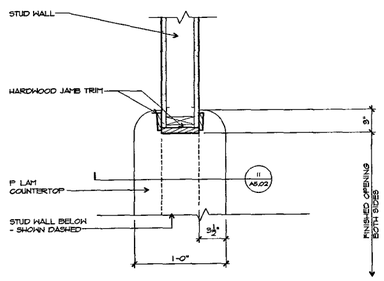
HEAD @ SOILED DISHTABLE
22 1 1/2" = 1'-0"



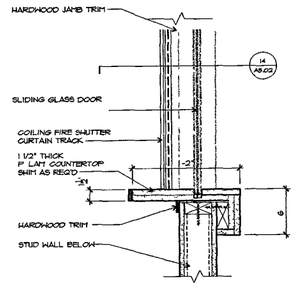
23 DETAIL
1 1/2" = 1'-0" JAMB



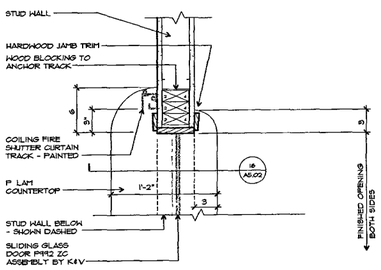
HEAD/JAMB @ LEAD LINED LIGHT
19 1 1/2" = 1'-0"



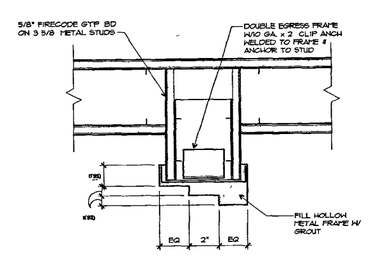
14 PLAN DETAIL
1-1/2" = 1'-0" JAMBS



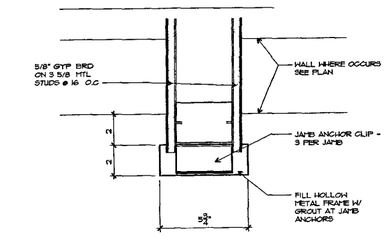
10 SILL DETAIL
1-1/2" = 1'-0" COILING FIRE SHUTTER JAMB



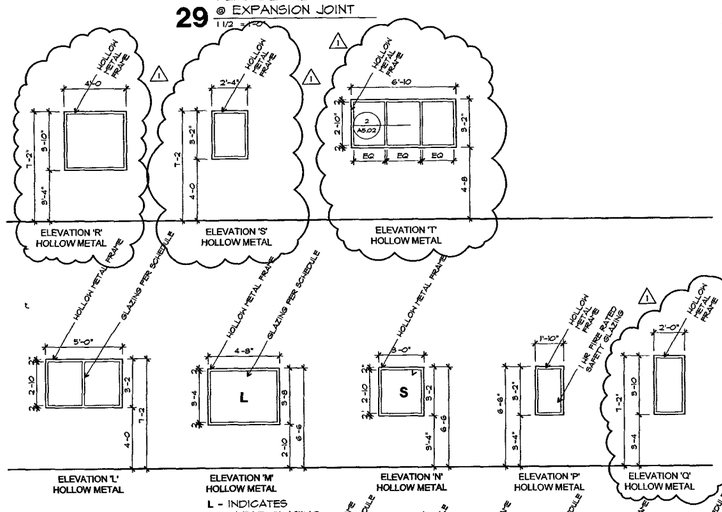
9 PLAN DETAIL
1-1/2" = 1'-0" COILING FIRE SHUTTER JAMB



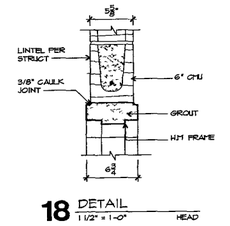
5 JAMB
3" = 1'-0" DOUBLE EGRESS



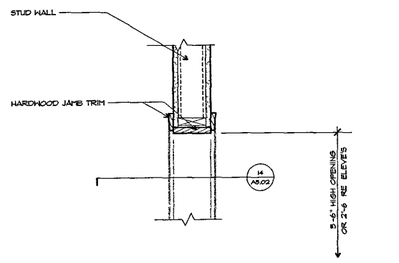
4 JAMB /HEAD SIM
3" = 1'-0"



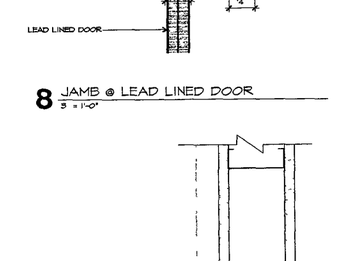
26 HOLLOW METAL FRAME ELEVATIONS
1/4" = 1'-0



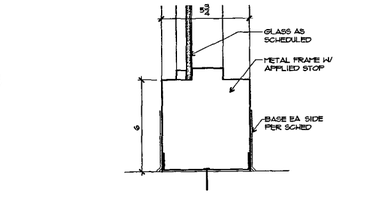
18 DETAIL
1 1/2" = 1'-0" HEAD



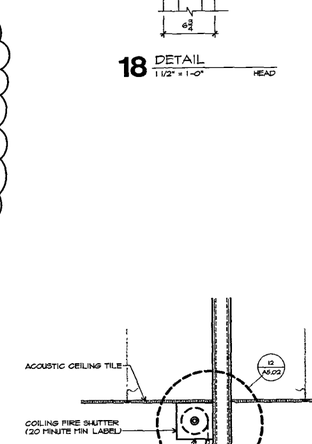
13 HEAD DETAIL
1-1/2" = 1'-0" HEAD



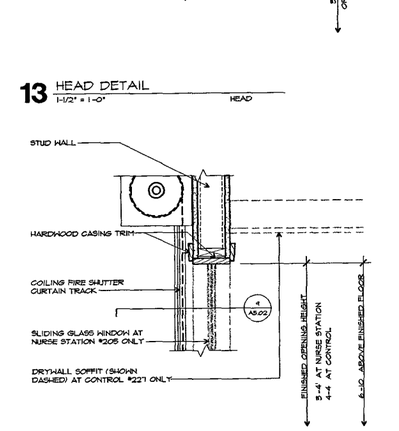
8 JAMB @ LEAD LINED DOOR
3" = 1'-0"



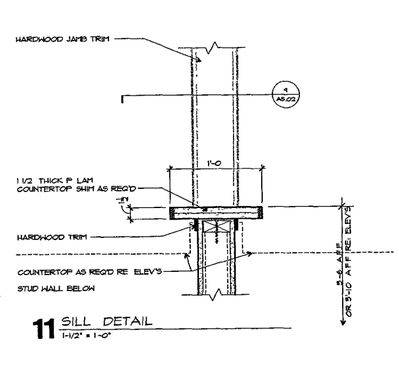
3 SILL
3" = 1'-0"



16 SECTION
3/4" = 1'-0" THRU RECEPT #436 COUNTER

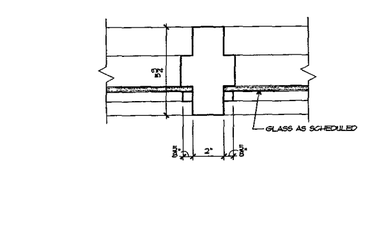


12 HEAD DETAIL
1-1/2" = 1'-0" COILING FIRE SHUTTER JAMB

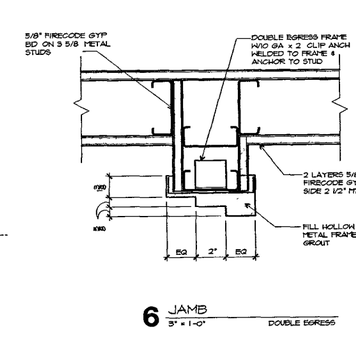


11 SILL DETAIL
1-1/2" = 1'-0"

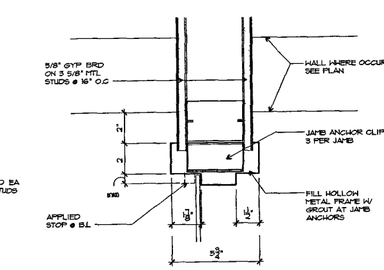
7 DETAIL
3" = 1'-0"



2 MULLION
3" = 1'-0"



6 JAMB
3" = 1'-0" DOUBLE EGRESS



1 JAMB /HEAD SILL
3" = 1'-0"

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
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Checked By	

Revisions

Number	Date	Description
1	5/23/07	ADD #1

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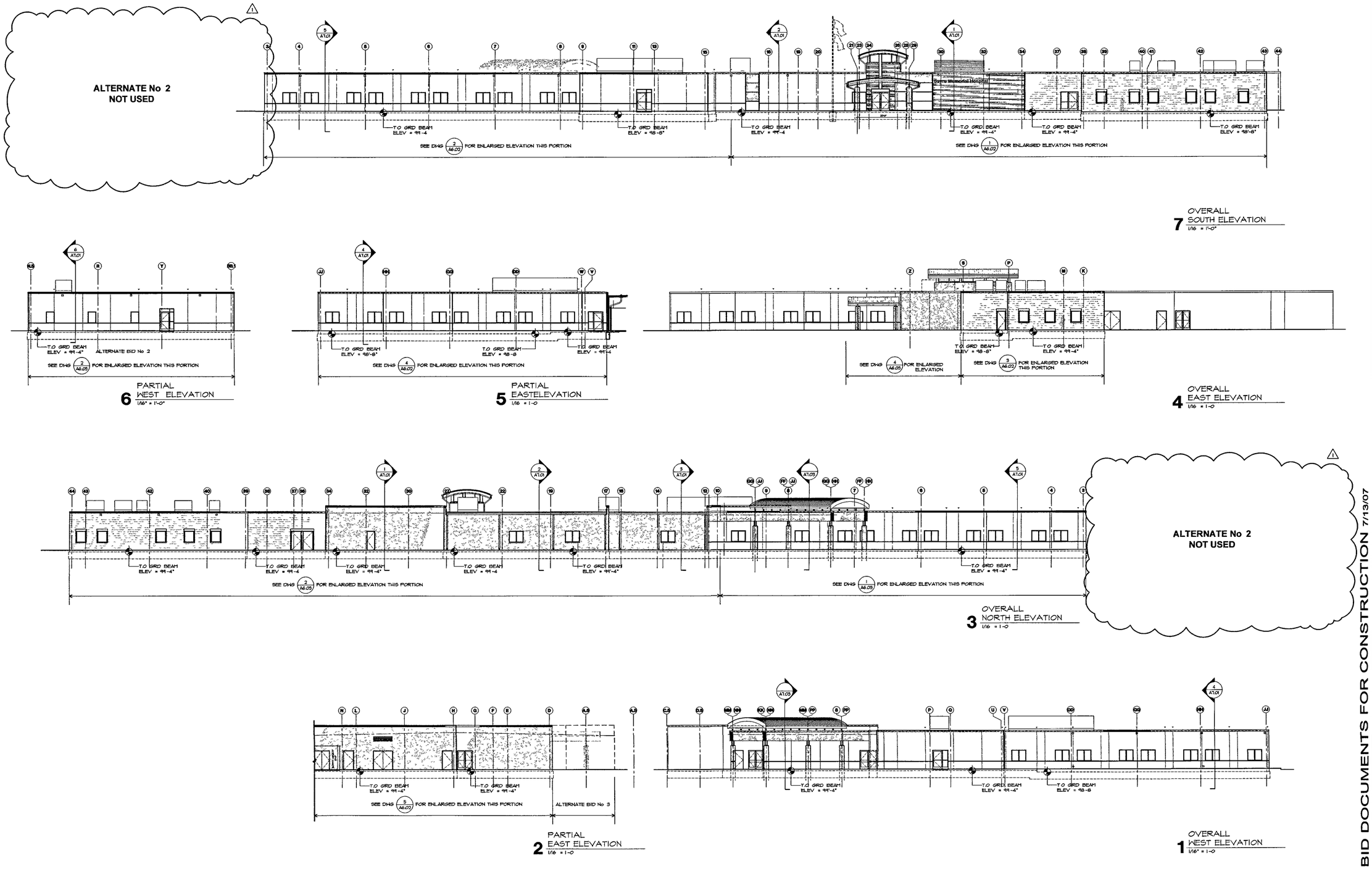
PLAN DETAILS



7 OVERALL SOUTH ELEVATION 1/16 = 1'-0"

6 PARTIAL WEST ELEVATION 1/16" = 1'-0"

5 PARTIAL EASTELEVATION 1/16 = 1-0

4 OVERALL EAST ELEVATION 1/16 = 1-0

3 OVERALL NORTH ELEVATION 1/16 = 1-0

2 PARTIAL EAST ELEVATION 1/16 = 1-0

1 OVERALL WEST ELEVATION 1/16" = 1-0

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Revisions

Number	Date	Description
1	7/13/07	GMP SET

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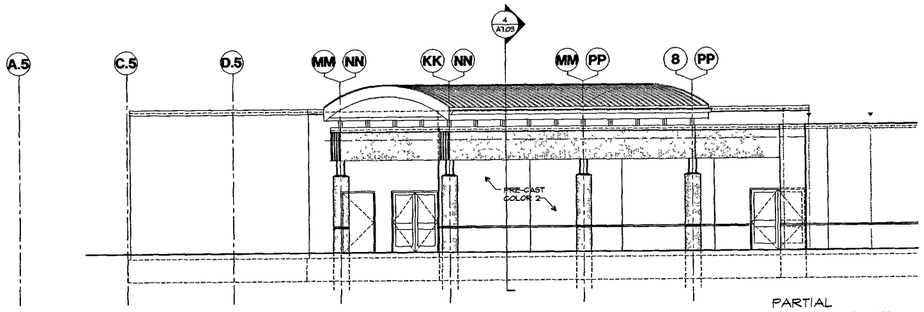
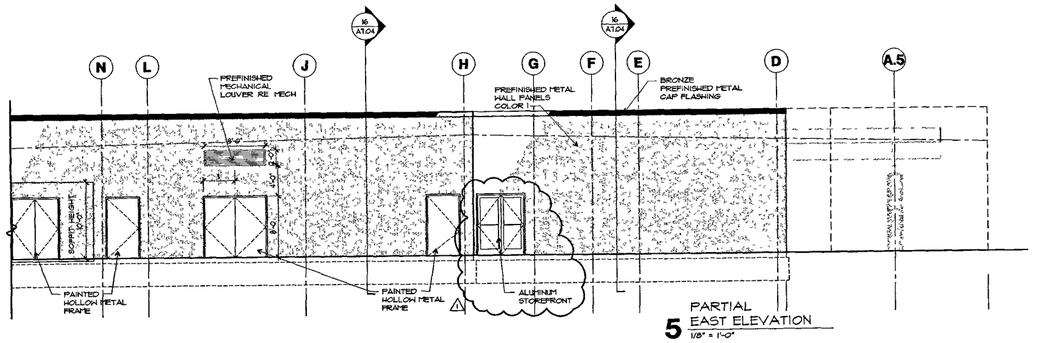
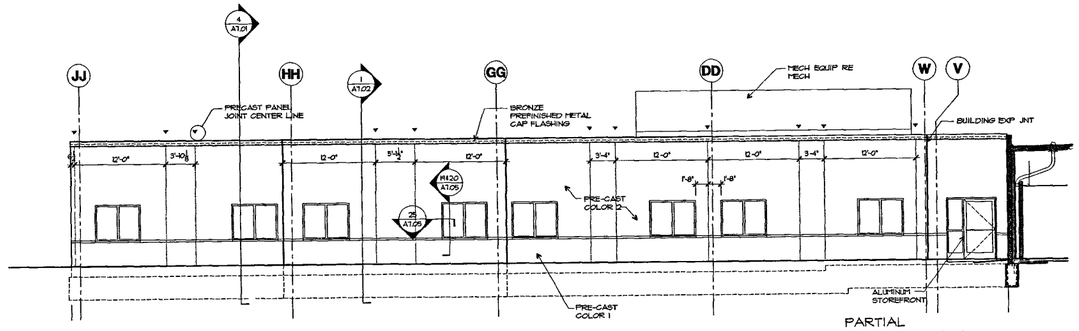
1/16" OVERALL EXT ELEVATIONS



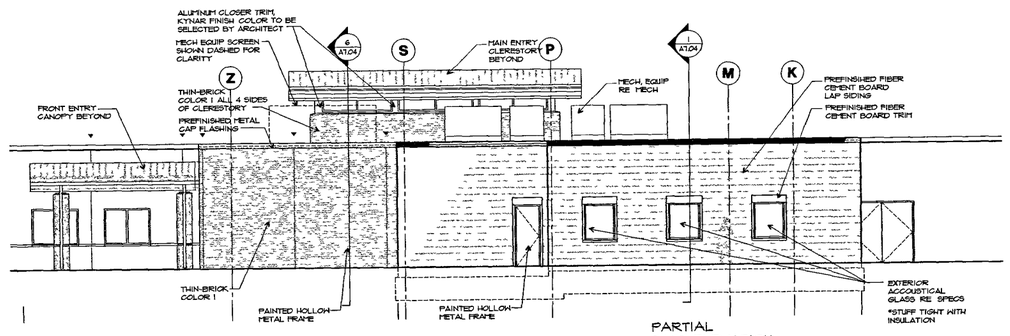
6 PARTIAL WEST ELEVATION
1/8" = 1'-0"



5 PARTIAL EAST ELEVATION
1/8" = 1'-0"

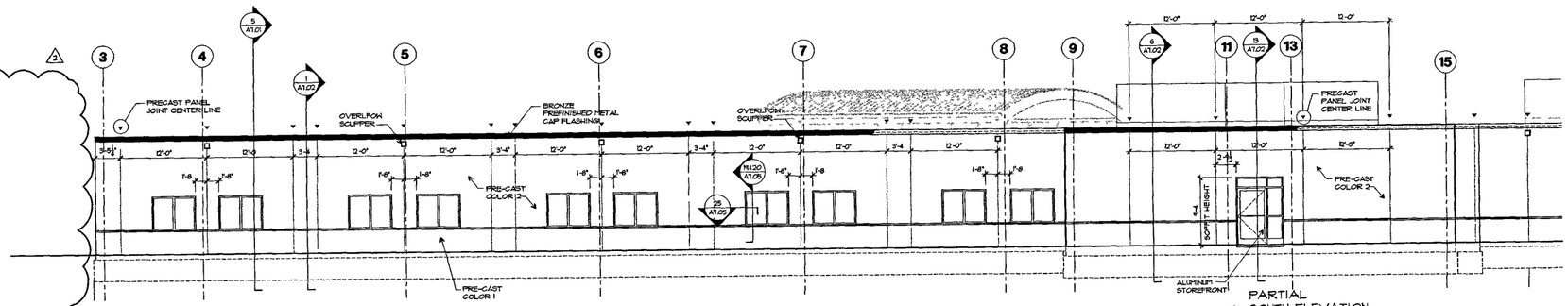


4 PARTIAL EAST ELEVATION
1/8" = 1'-0"

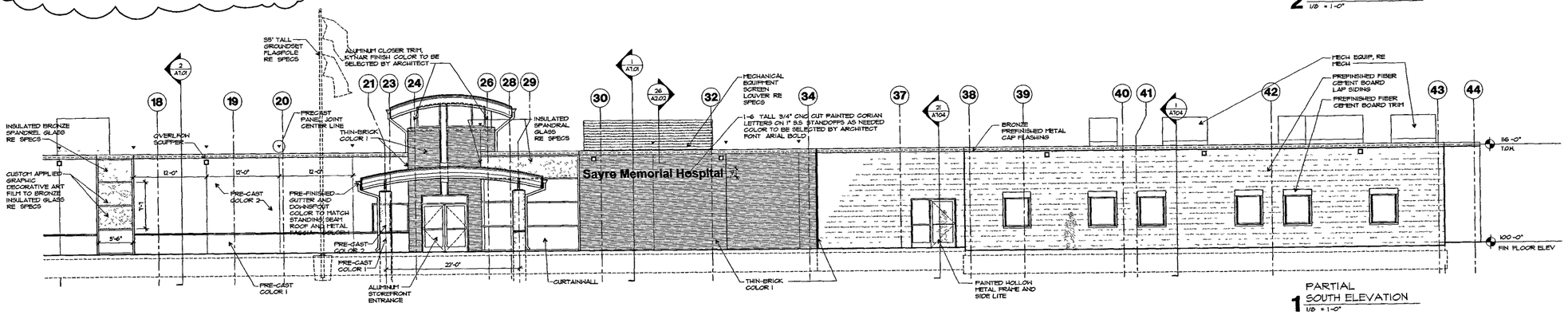


3 PARTIAL EAST ELEVATION
1/8" = 1'-0"

ALTERNATE No. 2
NOT USED



2 PARTIAL SOUTH ELEVATION
1/8" = 1'-0"



1 PARTIAL SOUTH ELEVATION
1/8" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE, OKLAHOMA

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Number	Date	Description
1	5/25/07	ADD #1
2	7/13/07	GMP SET

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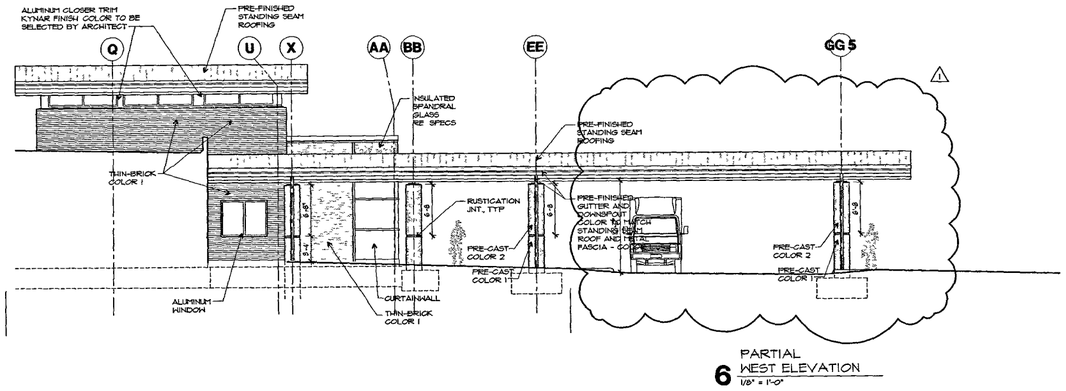
1/8" EXTERIOR ELEVATIONS



6 PARTIAL WEST ELEVATION
1/8" = 1'-0"

ALTERNATE No. 12
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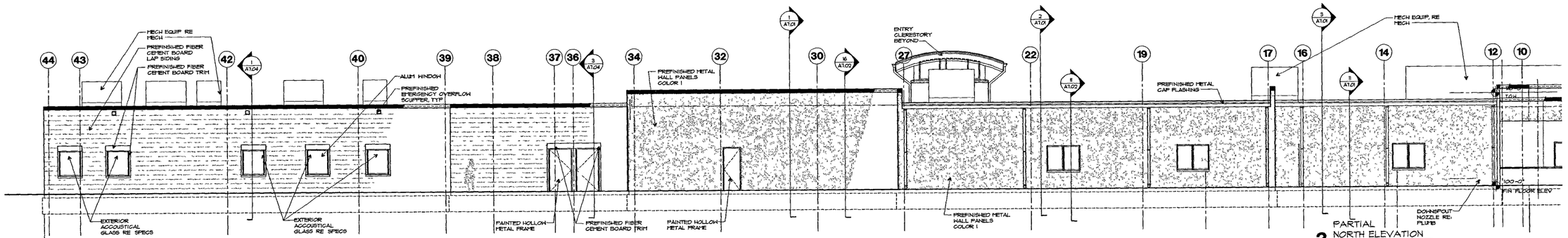

3 PARTIAL NORTH ELEVATION
1/8" = 1'-0"

ALTERNATE No. 12
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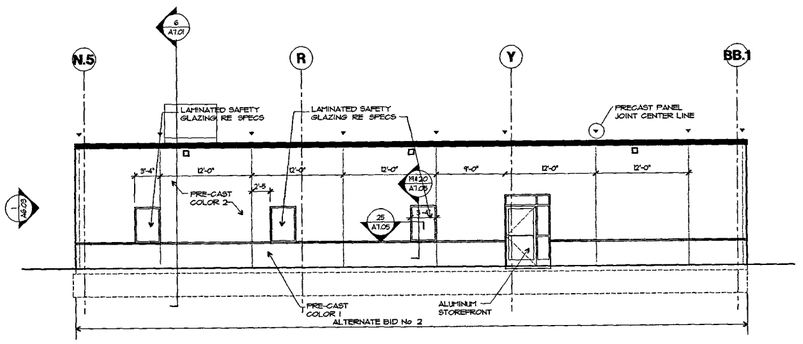
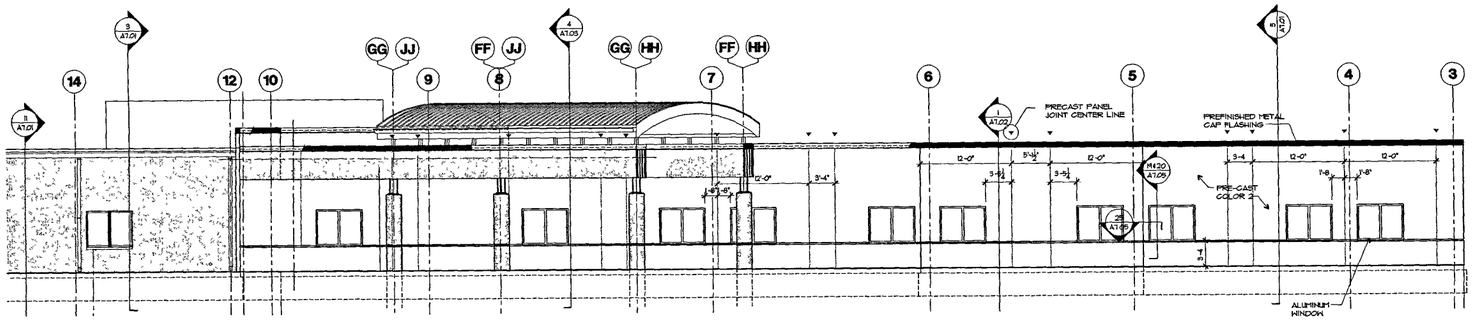


2 PARTIAL WEST ELEVATION
1/8" = 1'-0"



ALTERNATE No. 2
NOT USED

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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1	7/13/07	GMP SET

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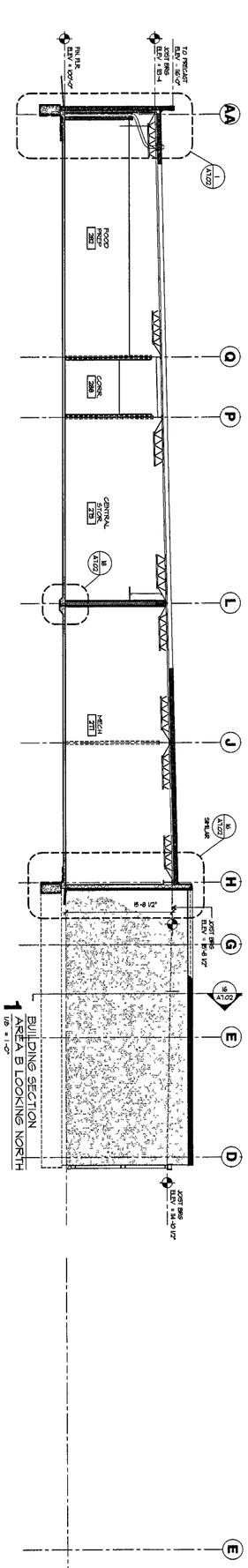
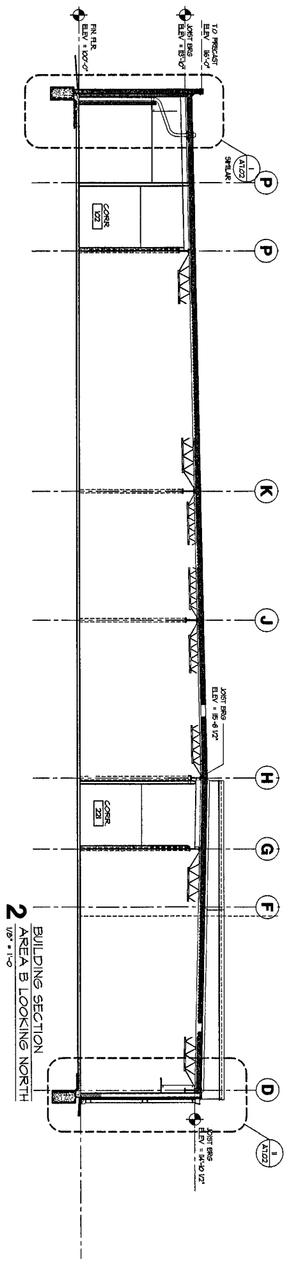
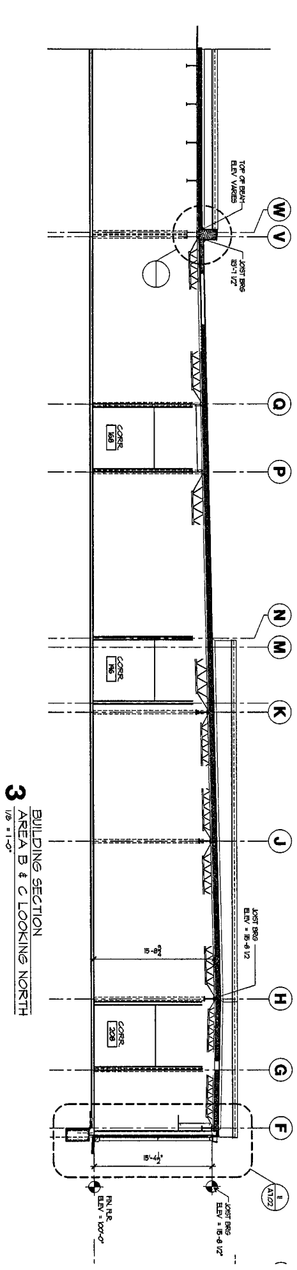
1/8" EXTERIOR ELEVATIONS



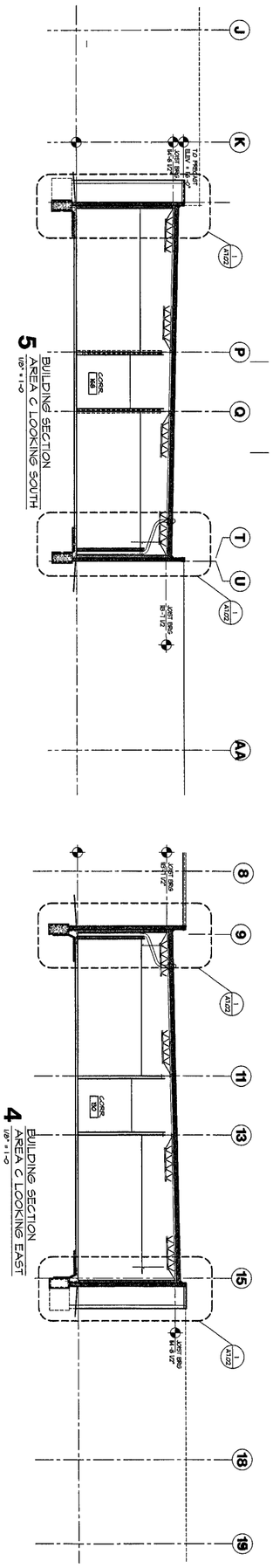
1 BUILDING SECTION
AREA B LOOKING NORTH
1/8" = 1'-0"



2 BUILDING SECTION
AREA B LOOKING NORTH
1/8" = 1'-0"



3 BUILDING SECTION
AREA B & C LOOKING NORTH
1/8" = 1'-0"



5 BUILDING SECTION
AREA C LOOKING SOUTH
1/8" = 1'-0"

4 BUILDING SECTION
AREA C LOOKING EAST
1/8" = 1'-0"

ALTERNATE No. 2
NOT USED

6 BUILDING SECTION
AREA C LOOKING EAST
1/8" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date June 29, 2007
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Revisions
Number 1 Date 7/13/07 Description GMP SET

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1/8" BUILDING SECTIONS

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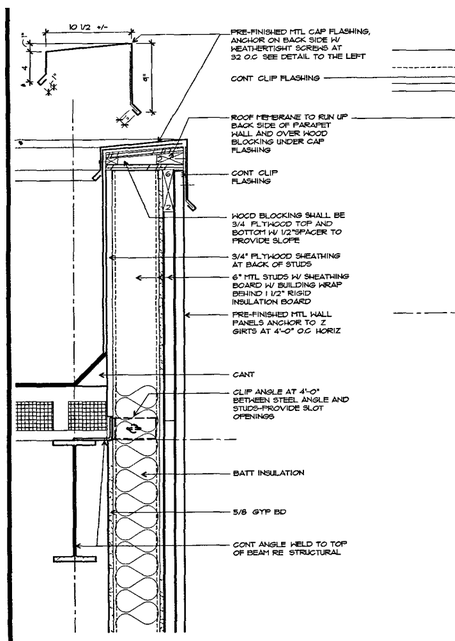
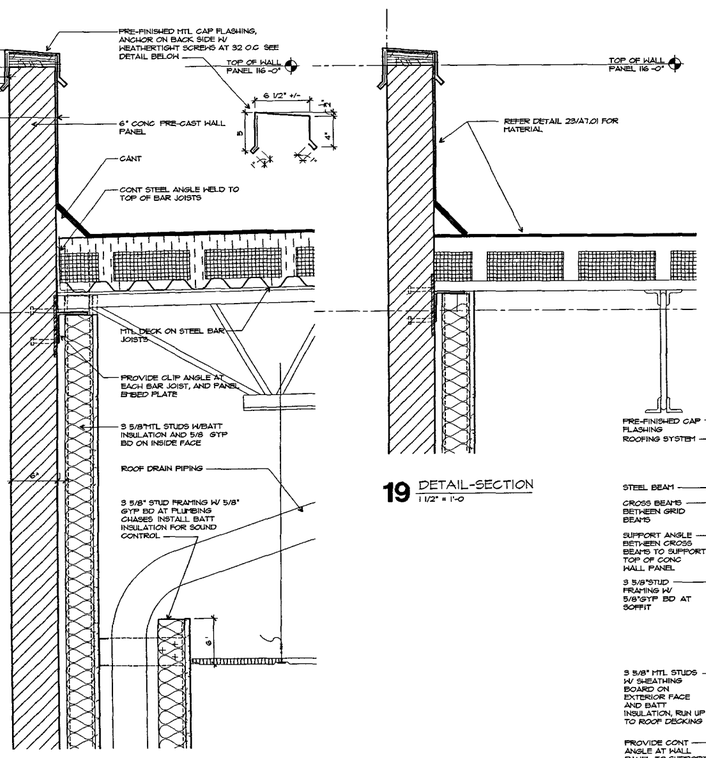
Kansas City MO 64131

STATE OF OKLA. GARY W. DIER 14464 LEAWOOD, KANSAS LICENSED ARCHITECT 7-14-07

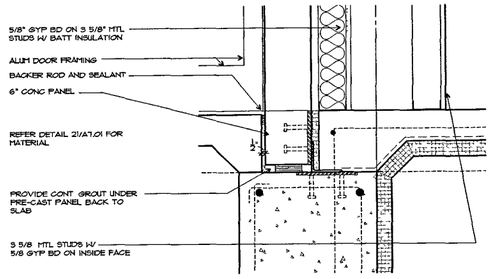


29 DETAIL-SECTION
1 1/2" = 1'-0"

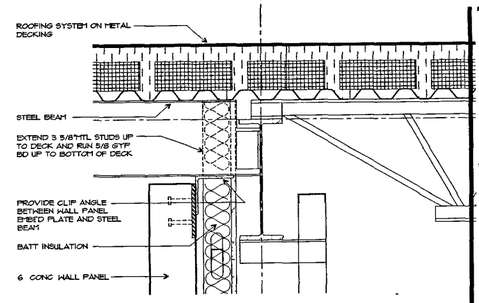


23 DETAIL-SECTION
1 1/2" = 1'-0"

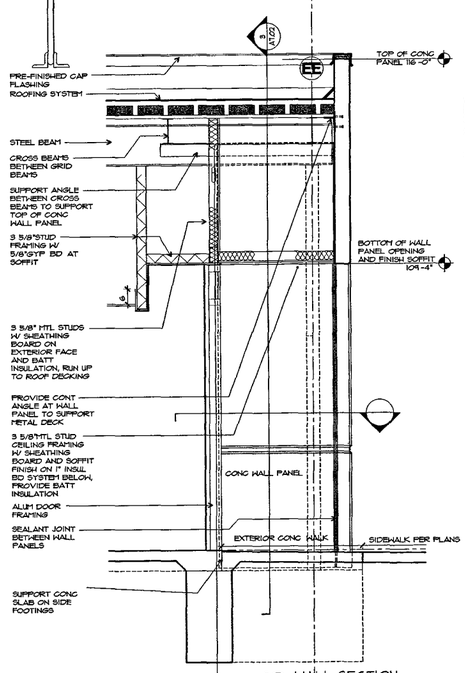
19 DETAIL-SECTION
1 1/2" = 1'-0"



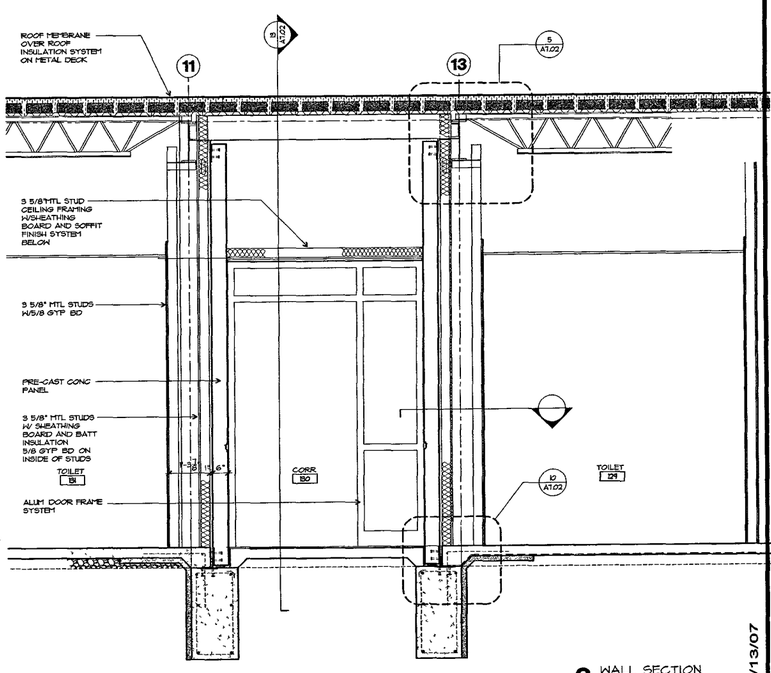
10 DETAIL-SECTION
1 1/2" = 1'-0"



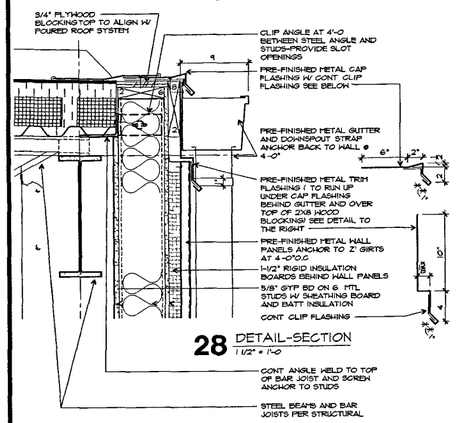
5 DETAIL-SECTION
1 1/2" = 1'-0"



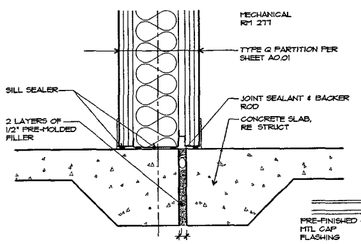
13 WALL SECTION
1/2" = 1'-0"



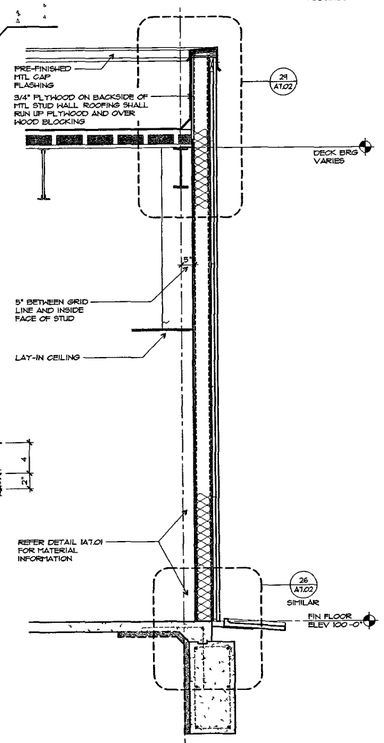
3 WALL SECTION
1/2" = 1'-0"



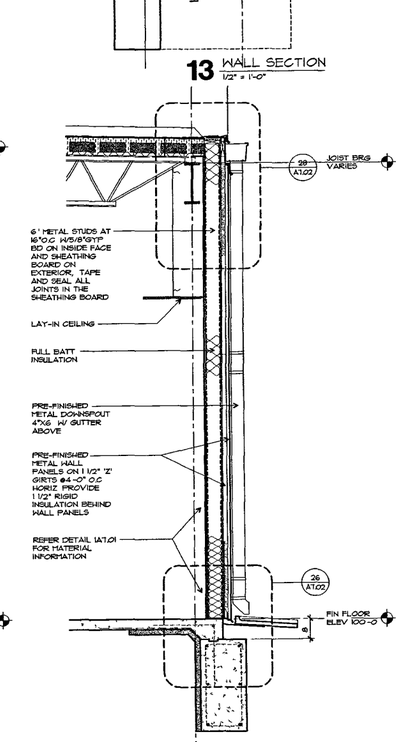
28 DETAIL-SECTION
1 1/2" = 1'-0"



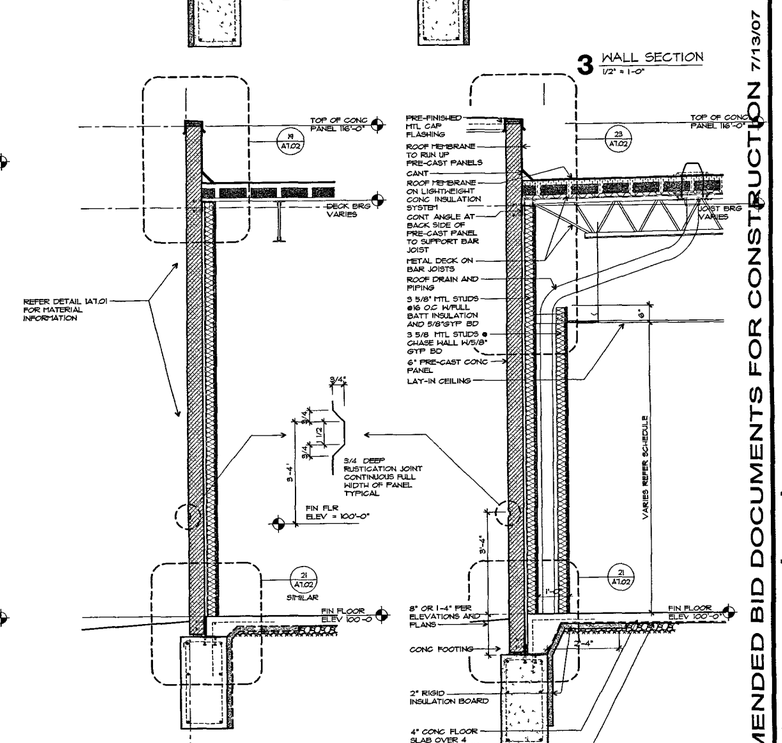
18 DETAIL-SECTION
1 1/2" = 1'-0"



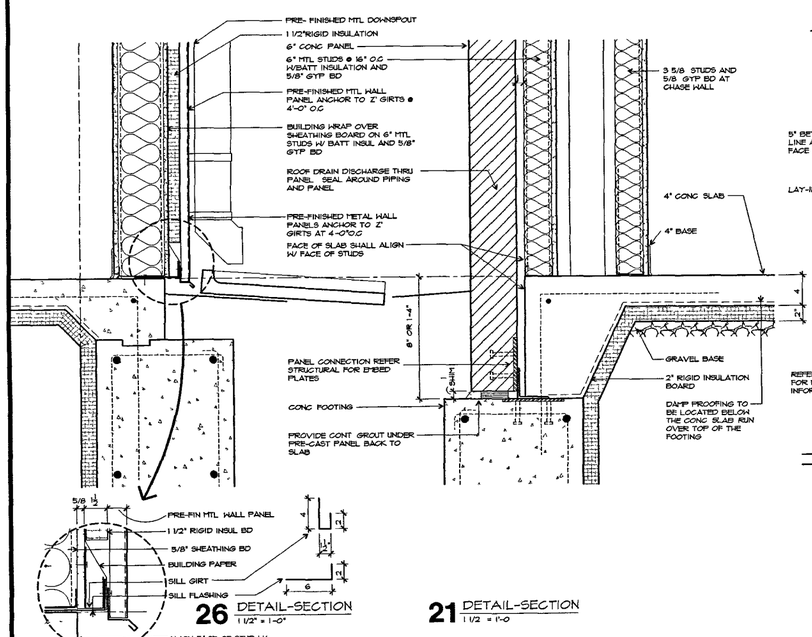
16 WALL SECTION
1/2" = 1'-0"



11 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"



21 DETAIL-SECTION
1 1/2" = 1'-0"

26 DETAIL-SECTION
1 1/2" = 1'-0"

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Structural Engineers
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816 531 4144

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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Job Number	4-06033 00
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Revisions

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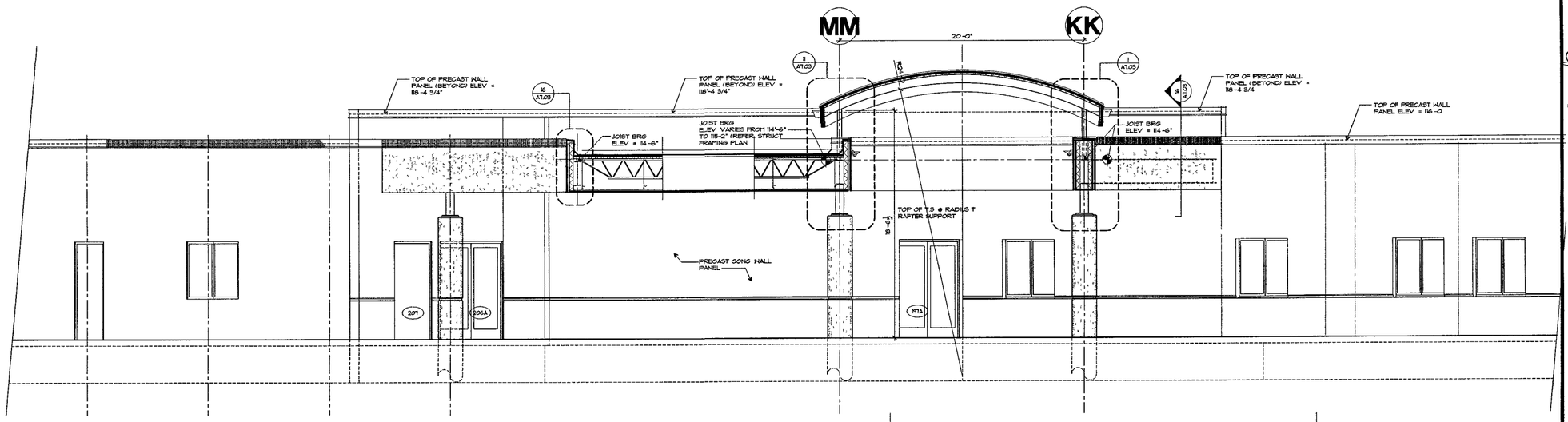
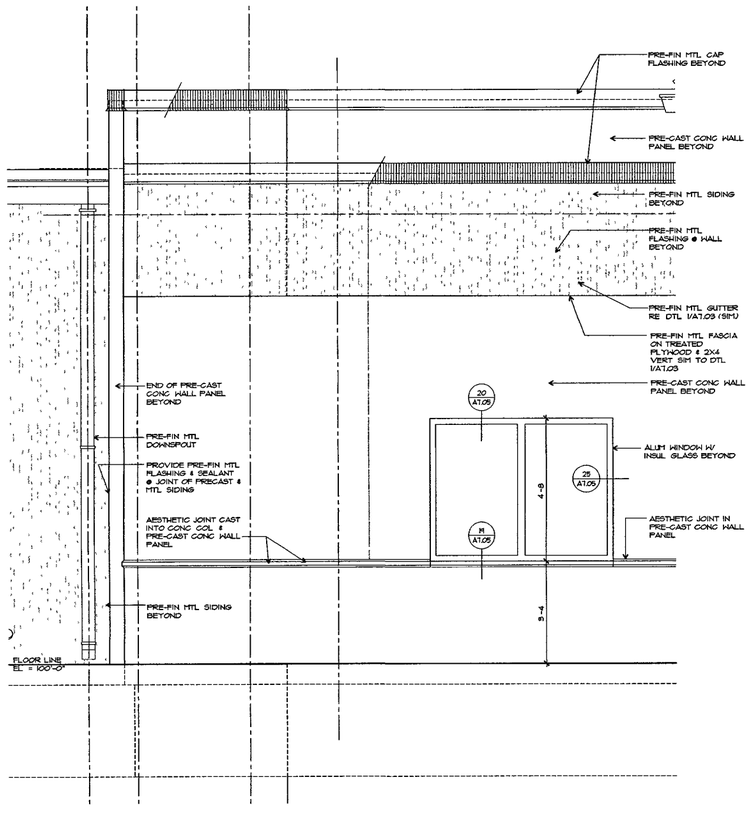
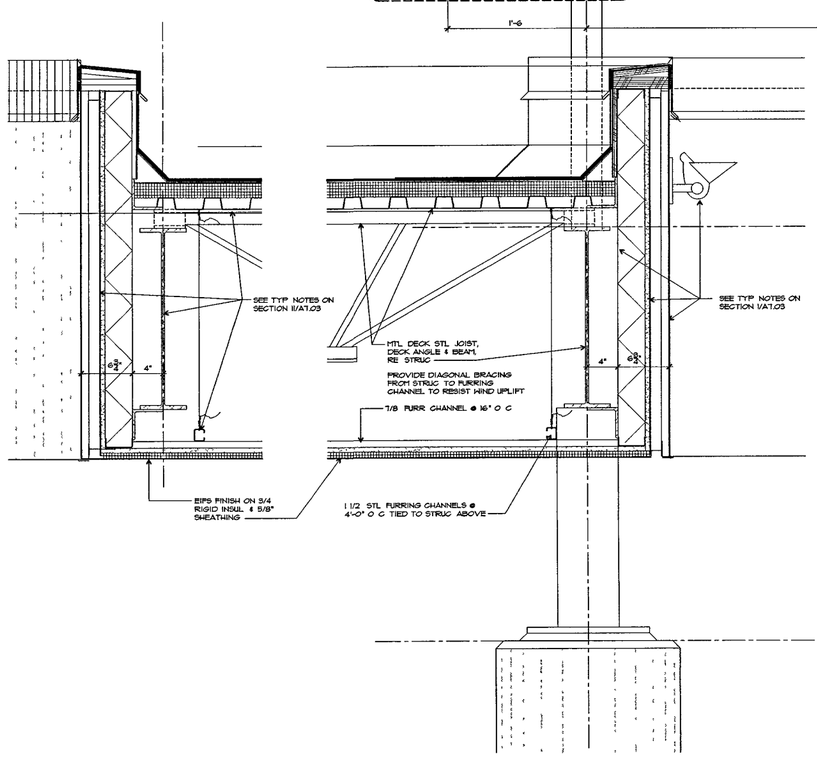


4 BUILDING SECTION @ EMERGENCY ENTRANCE AREA
1/4" = 1'-0"



21 DETAIL - SECTION
1/2" = 1'-0"



16 DETAIL- SECTION
1 1/2"= 1'-0"

11 DETAIL- SECTION
1 1/2"= 1'-0"

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

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date June 29 2007
Job Number 4-06033 00
Drawn By
Checked By

Revisions
Number Date Descriptoon

A7.03

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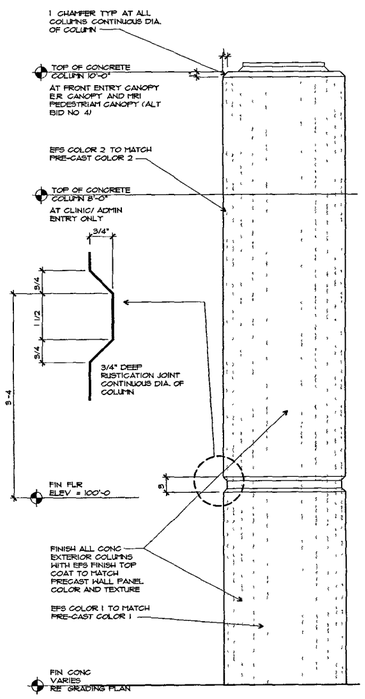
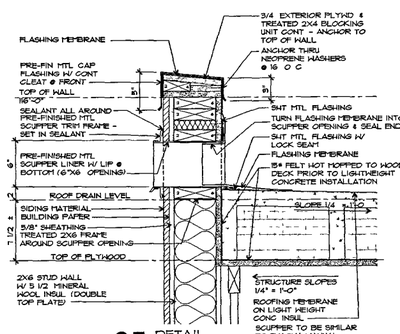


TYP EXTERIOR CONCRETE COLUMN ELEVATION
28 1" = 1'-0"



25 DETAIL
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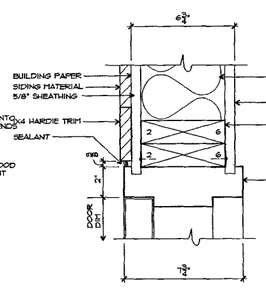

20 JAMB DETAIL
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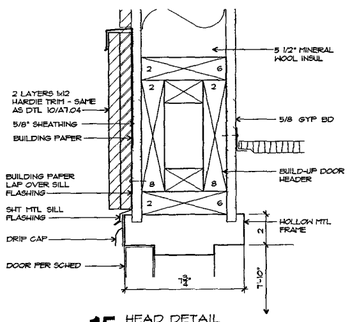

15 HEAD DETAIL
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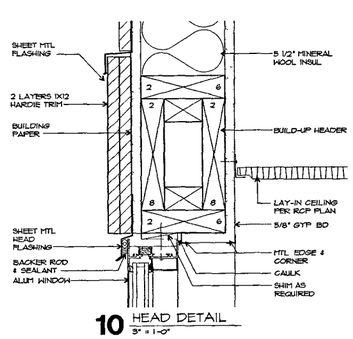

10 HEAD DETAIL
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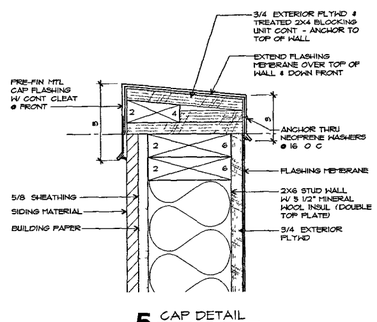

5 CAP DETAIL
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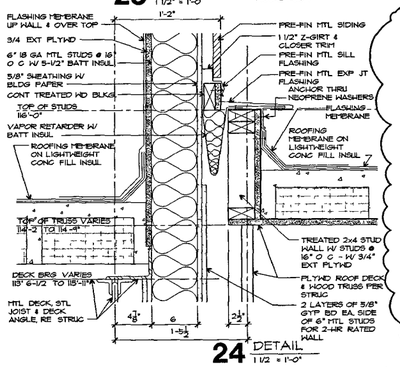
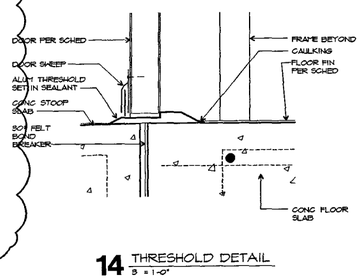
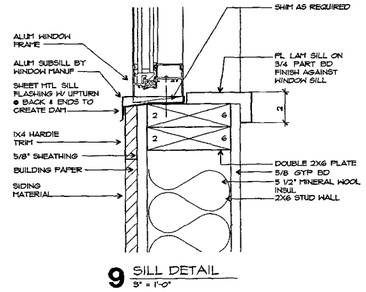


24 DETAIL
1 1/2" = 1'-0"

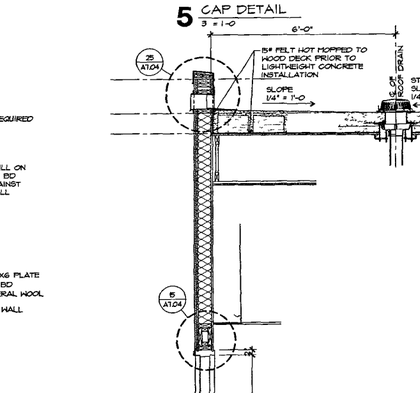
DETAIL 19
NOT USED



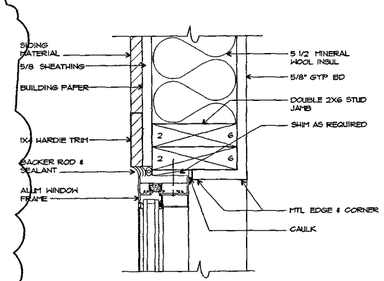
14 THRESHOLD DETAIL
3" = 1'-0"



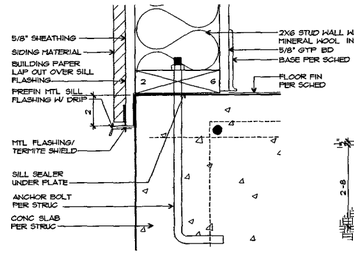
9 SILL DETAIL
3" = 1'-0"



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



13 JAMB DETAIL
3" = 1'-0"



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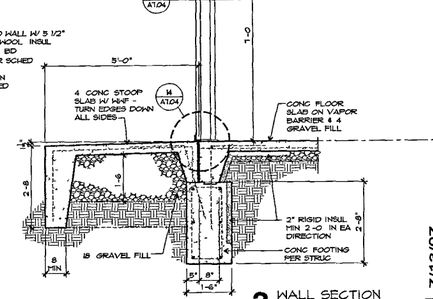
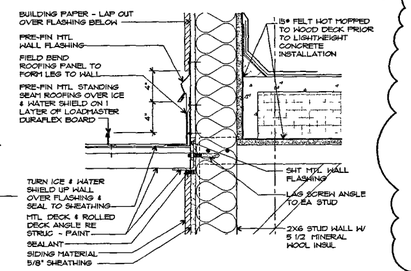


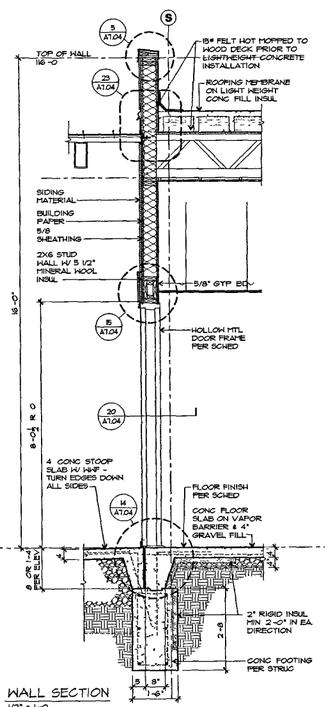
1 WALL SECTION
1/2" = 1'-0"

26 WALL SECTION
1/2" = 1'-0"



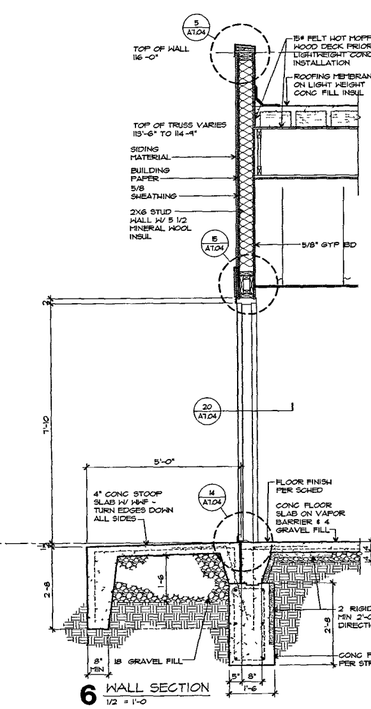
23 FLASHING DETAIL
1 1/2" = 1'-0"

DETAIL 18
NOT USED

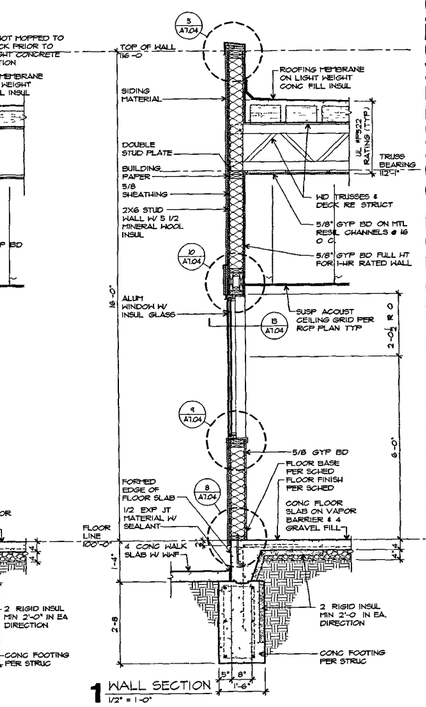


21 WALL SECTION
1/2" = 1'-0"

DETAIL 11
NOT USED



6 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Date	June 29, 2007
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Drawn By	
Checked By	

Revisions

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1	7/13/07	GMP SET

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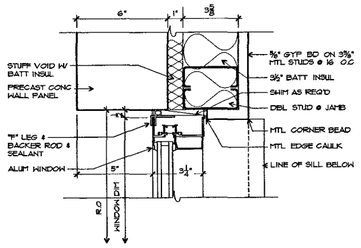
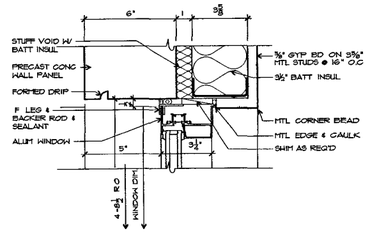
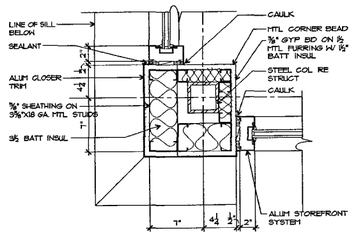


25 JAMB DETAIL
3" = 1'-0"



20 HEAD DETAIL
3" = 1'-0"



15 JAMB/CORNER DETAIL
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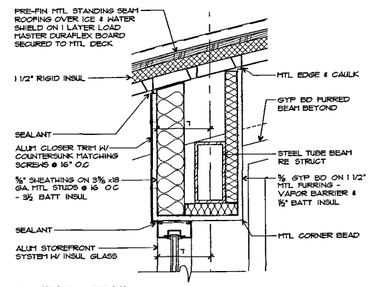
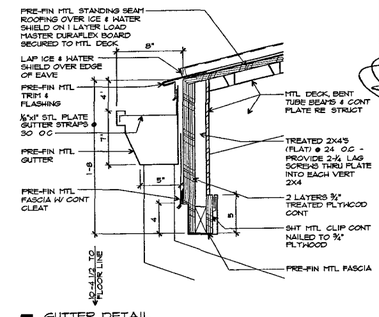
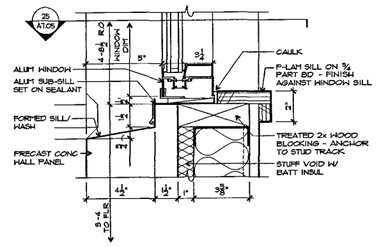


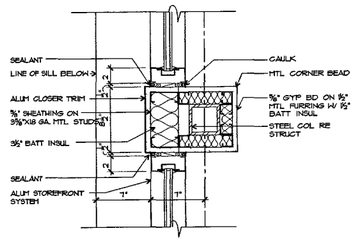
10 HEAD DETAIL
1 1/2" = 1'-0"



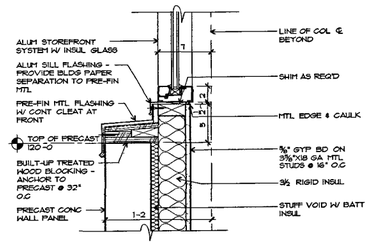
5 GUTTER DETAIL
1 1/2" = 1'-0"



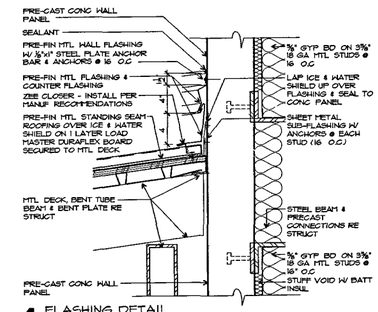
19 SILL DETAIL
3" = 1'-0"



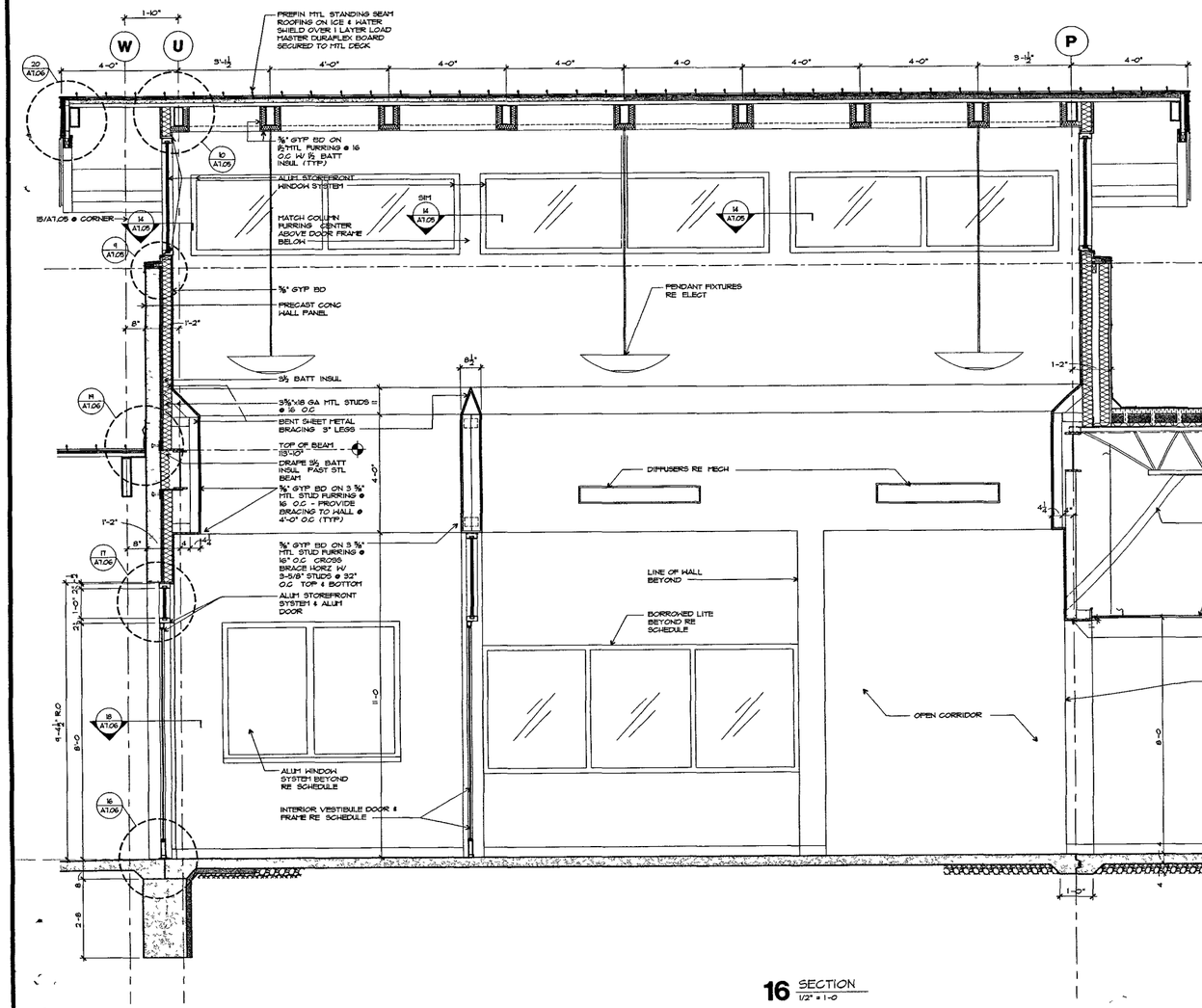
14 JAMB DETAIL
1 1/2" = 1'-0"



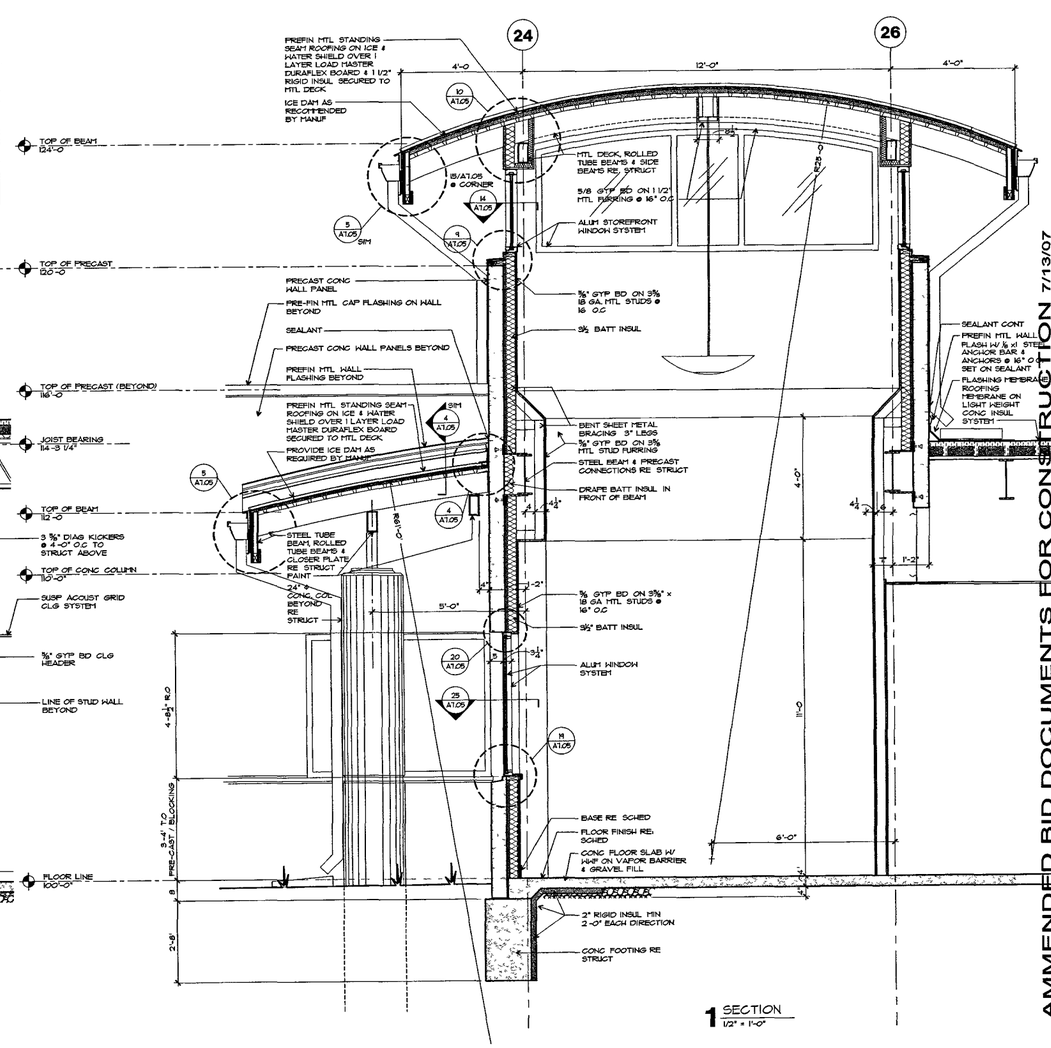
9 SILL DETAIL
1 1/2" = 1'-0"



4 FLASHING DETAIL
1 1/2" = 1'-0"



16 SECTION
1/2" = 1'-0"



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

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions

Number	Date	Description

A7.05

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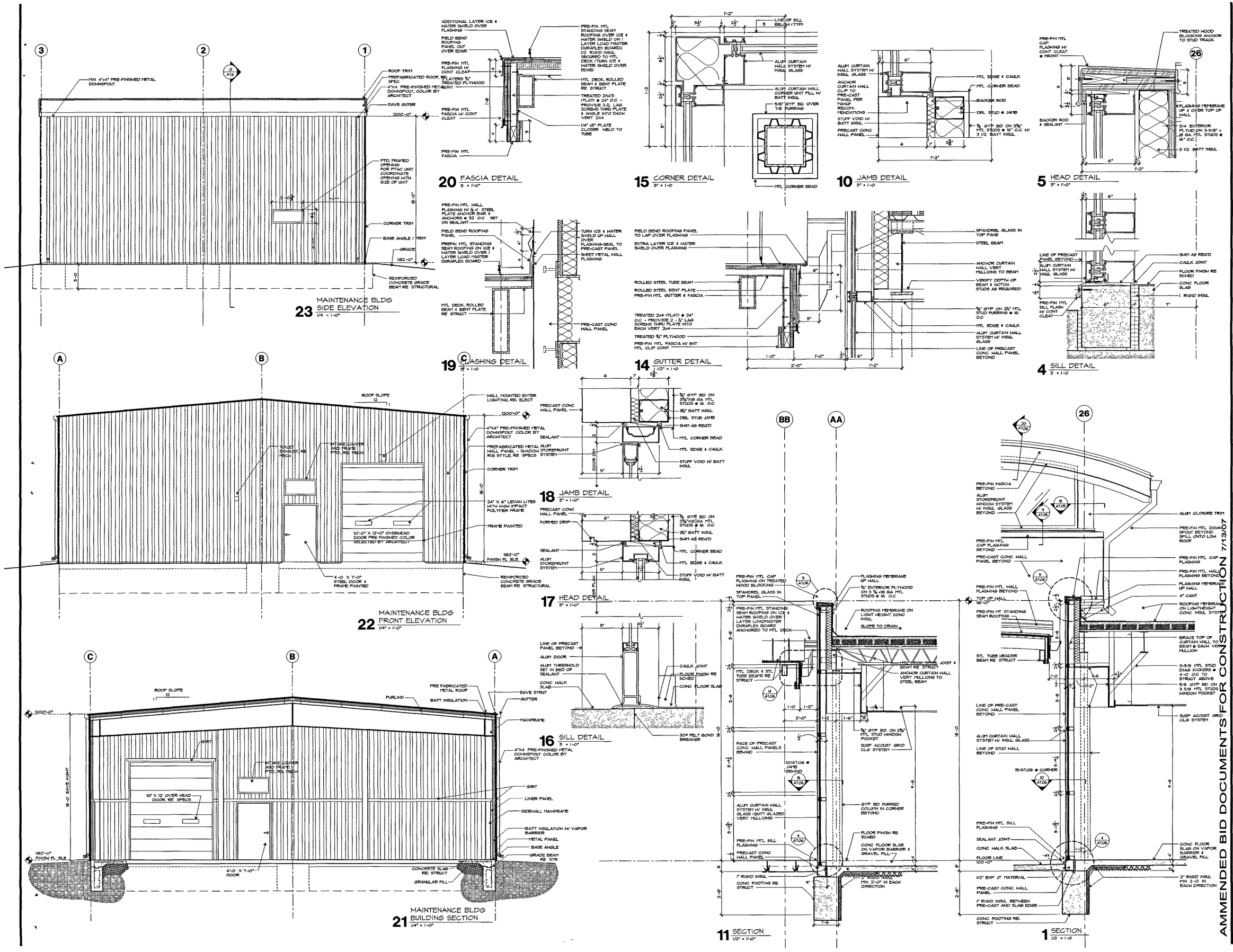

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

STATE OF OKLAHOMA
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a.4464
LEAWOOD, KANSAS
LICENSED ARCHITECT
7-14-07

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SAYRE, OKLAHOMA

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Revisions

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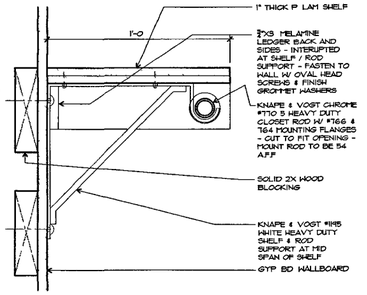
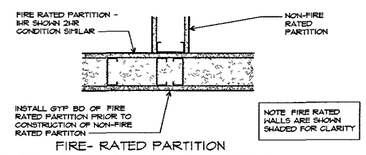
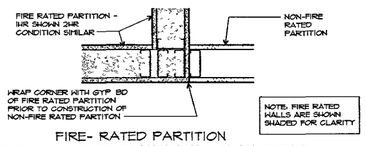


30 COAT ROD & SHELF
3" = 1'-0"



29b FIRE- RATED PARTITION "T" TRANSITION - PLAN DETAIL
1 1/2" = 1'-0"



29a FIRE- RATED PARTITION CORNER TRANSITION - PLAN DETAIL
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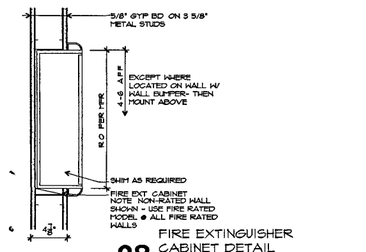
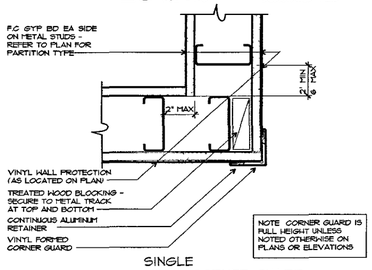
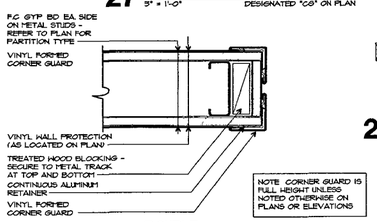


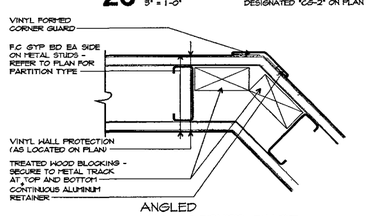
28 FIRE EXTINGUISHER CABINET DETAIL
1-1/2" = 1'-0" DESIGNATED "FEC"



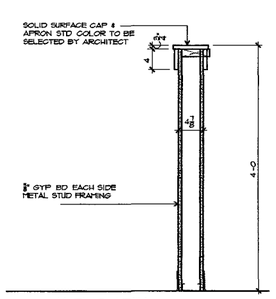
27 SINGLE VINYL CORNER GUARD
3" = 1'-0" DESIGNATED "CG" ON PLAN



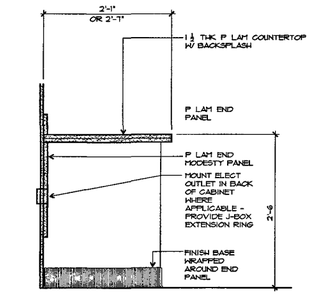
26 DOUBLE VINYL CORNER GUARD
3" = 1'-0" DESIGNATED "CG-2" ON PLAN



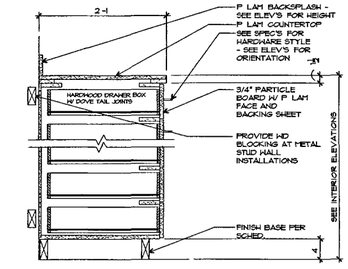
31 ANGLED VINYL CORNER GUARD
3" = 1'-0 DESIGNATED "CG-3" ON PLAN



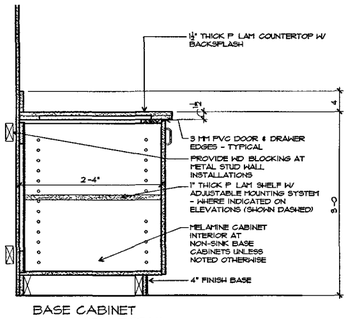
25 WAITING AREA CASEWORK DETAIL
1 = 1'-0



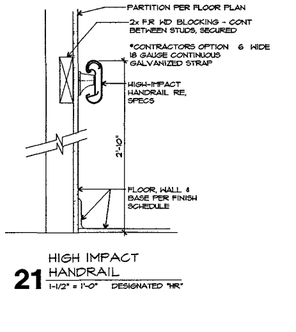
24 COUNTERTOP / END PANEL CASEWORK DETAIL
1" = 1'-0"



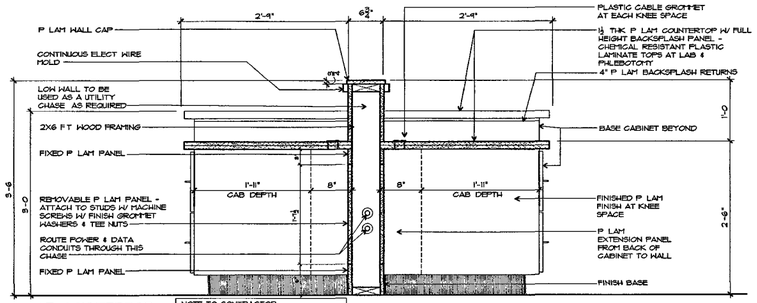
23 DETAIL DRAWER / DOOR BASE CABINET
1" = 1'-0



22 BASE CABINET CASEWORK DETAIL
1" = 1'-0"

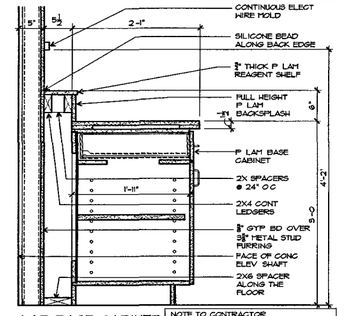


21 HIGH IMPACT HANDRAIL
1-1/2" = 1'-0" DESIGNATED "HR"



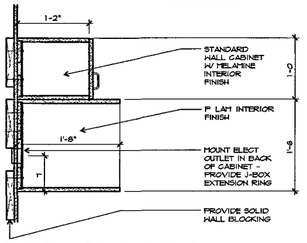
20 LAB COUNTERTOP CASEWORK DETAIL
1" = 1'-0"

NOTE TO CONTRACTOR
- ALL COUNTERTOP SUBSTRATES SHALL BE WATER RESISTANT IN THE LAB
- ALL COUNTERTOP P LAM SHALL BE CHEMICAL RESISTANT IN THE LAB

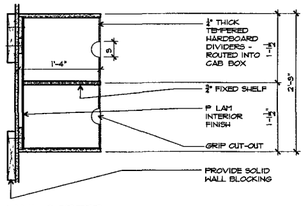


19 LAB BASE CABINET CASEWORK DETAIL
1" = 1'-0"

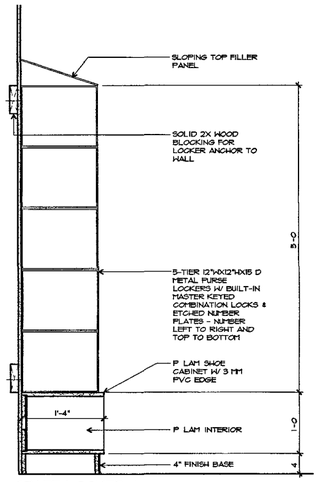
NOTE TO CONTRACTOR
- ALL COUNTERTOP SUBSTRATES SHALL BE WATER RESISTANT IN THE LAB
- ALL COUNTERTOP P LAM SHALL BE CHEMICAL RESISTANT IN THE LAB



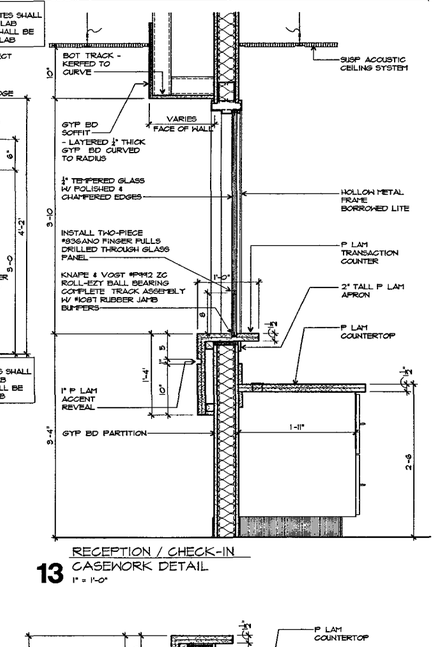
18 MICROWAVE WALL CABINET CASEWORK DETAIL
1" = 1'-0"



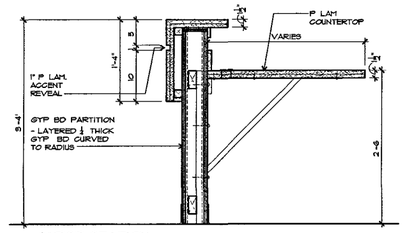
17 MAIL SORTER CASEWORK DETAIL
1" = 1'-0"



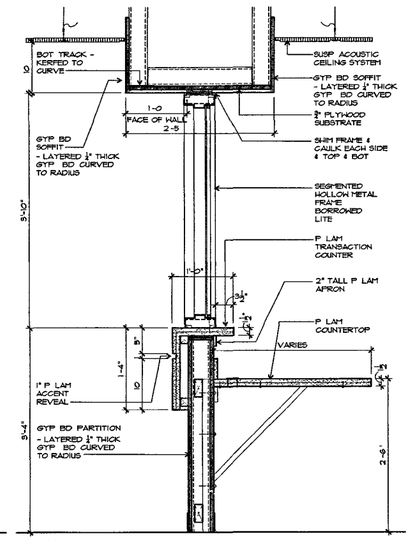
16 STAFF LOCKER & CASEWORK DETAIL
1" = 1'-0



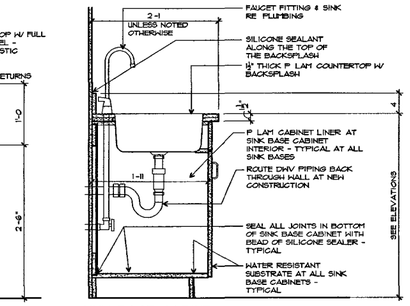
13 RECEPTION / CHECK-IN CASEWORK DETAIL
1" = 1'-0"



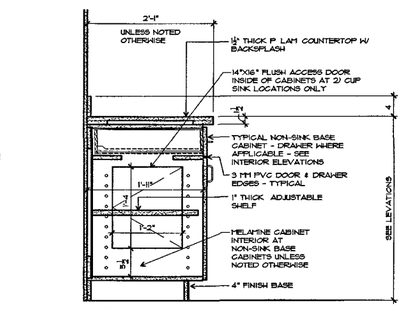
12 NURSE STATION CASEWORK DETAIL
1" = 1'-0"



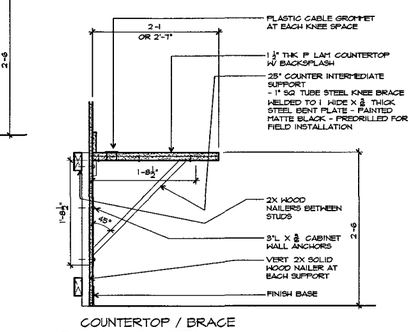
11 NURSE STATION CASEWORK DETAIL
1" = 1'-0"



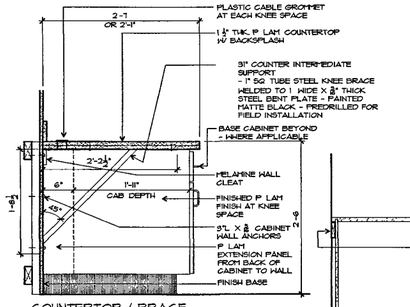
10 SINK BASE CABINET CASEWORK DETAIL
1" = 1'-0"



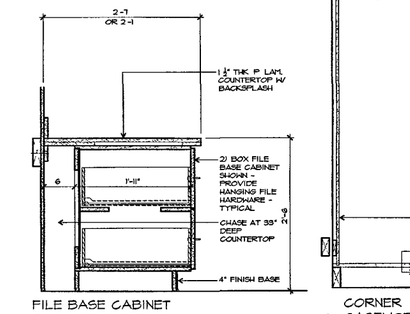
9 BASE CABINET CASEWORK DETAIL
1 = 1'-0"



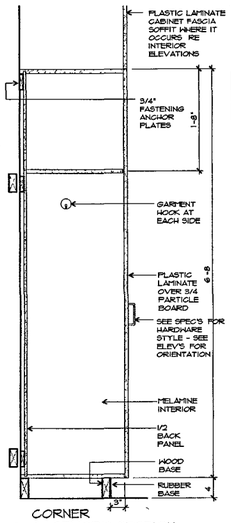
8 COUNTERTOP / BRACE CASEWORK DETAIL
1" = 1'-0"



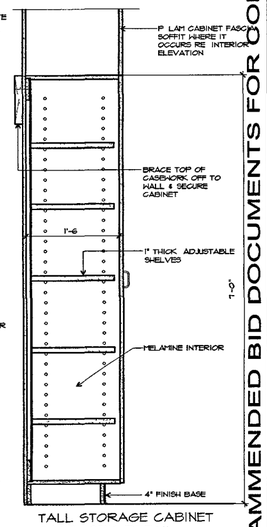
7 COUNTERTOP / BRACE CASEWORK DETAIL
1" = 1'-0"



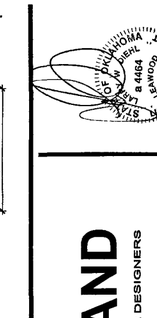
6 FILE BASE CABINET CASEWORK DETAIL
1" = 1'-0"



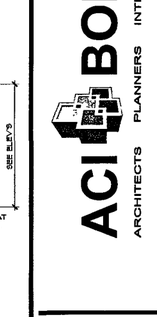
2 CORNER CASEWORK SECTION
1" = 1'-0"



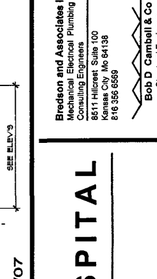
1 TALL STORAGE CABINET CASEWORK DETAIL
1" = 1'-0"



5 WALL CABINET W/ LIGHT CASEWORK DETAIL
1" = 1'-0"



4 TYPICAL WALL CABINET CASEWORK DETAIL
1" = 1'-0"



3 OPEN WALL CABINET CASEWORK DETAIL
1 = 1'-0"

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11229 Nall, Suite 140
Leawood, KS 66211
913 338 2300
913 338 2003 fax
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St Louis, MO 63141

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Consulting Engineers
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Bob D Campbell & Co
Structural Engineers
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Kansas City Mo 64111
816 931 4144

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions

Number	Date	Description
1	5/25/07	ADD #1

A8.01

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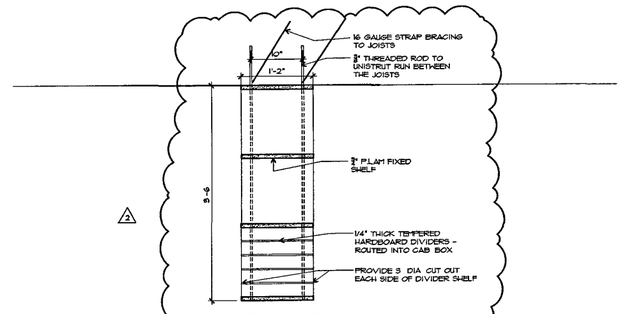
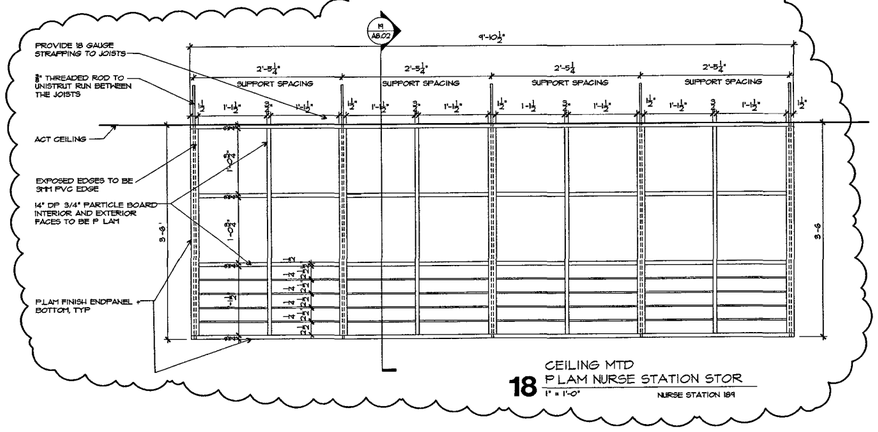
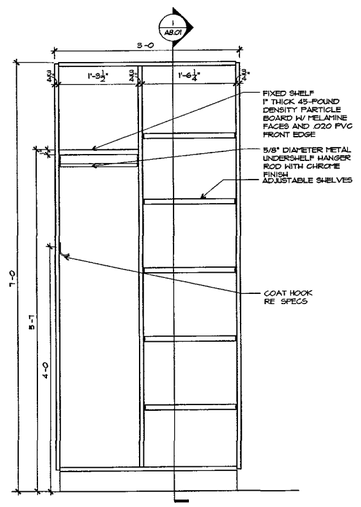
INTERIOR DETAILS



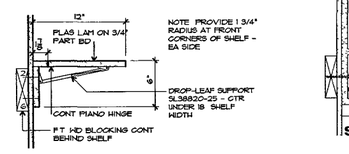
19 CEILING MTD STORAGE SECTION
1 = 1'-0" NURSE STATION 184



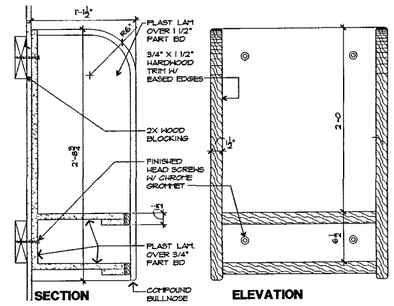
18 CEILING MTD P LAM NURSE STATION STOR
1" = 1'-0" NURSE STATION 184



13 TYP FULL HEIGHT WARDROBE CABINET
1" = 1'-0"

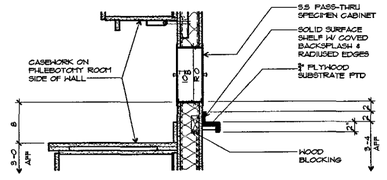


9 DETAIL
1 1/2" = 1'-0"

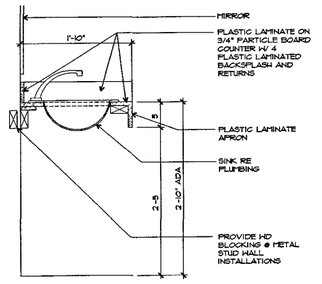


4 DETAIL PUBLIC TELEPHONE SHELF
1-1/2" = 1'-0"

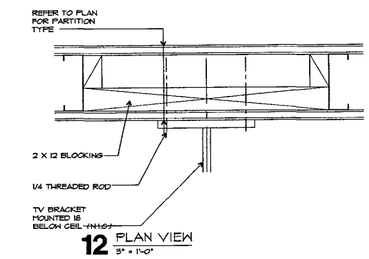
COORDINATE INSTALLATION W/ PAY TELEPHONE INSTALLER (FIELD CUT OPENINGS IN BACK PANEL AROUND TELEPHONE BACKBOX)



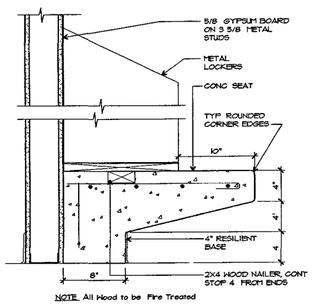
8 SPECIMEN PASS-THRU & SOLID SURFACE SHELF
1" = 1'-0"



3 DETAIL SINK and VANITY
1" = 1'-0"

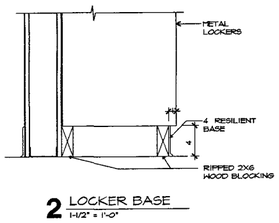


12 PLAN VIEW
3" = 1'-0"

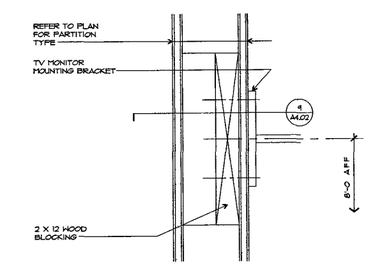


NOTE All Hood to be Fire Treated

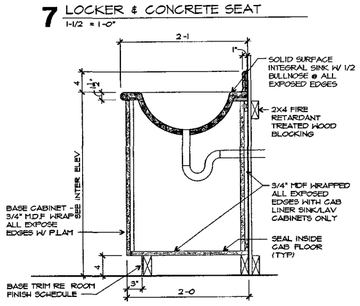
7 LOCKER & CONCRETE SEAT
1-1/2" = 1'-0"



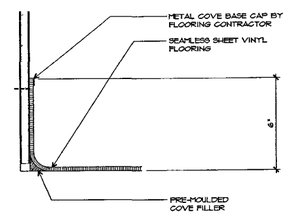
2 LOCKER BASE
1-1/2" = 1'-0"



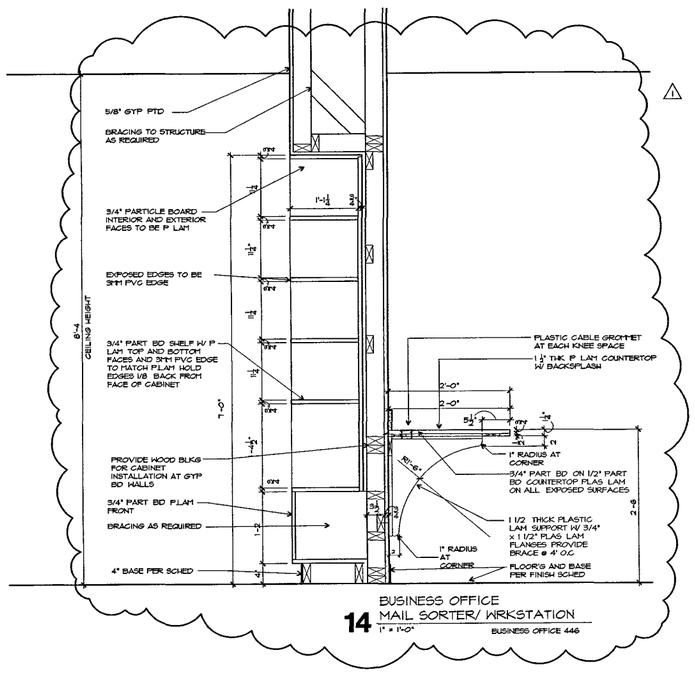
11 WALL MOUNTED TELEVISION MOUNTING
3" = 1'-0"



6 DETAIL SINK BASE CABINET
1" = 1'-0"
TYP @ PATIENT ALL TOILETS



FLASHCOVE
1 BASE DETAIL
3" = 1'-0"



14 BUSINESS OFFICE MAIL SORTER/ WRKSTATION
1" = 1'-0" BUSINESS OFFICE 446

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Structural Engineers
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816 531 4144

Date	June 29 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions Number	Date	Description
1	5/25/07	ADD #1
2	6/01/07	ADD #2

A8.02

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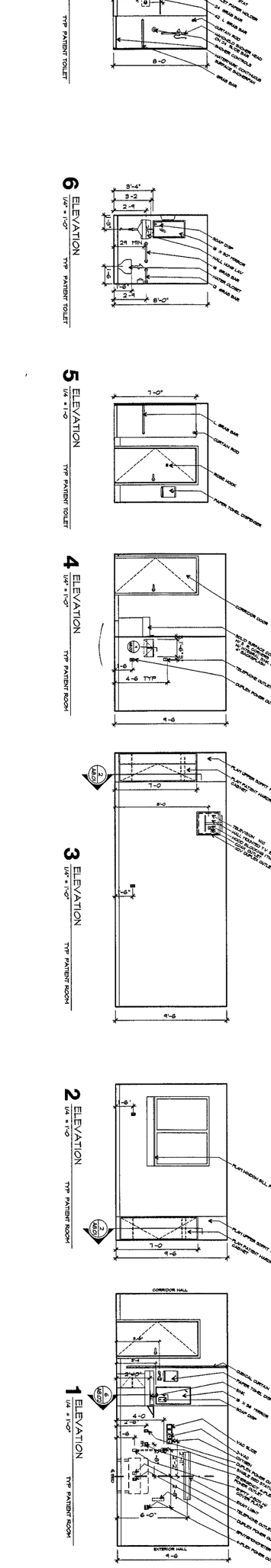
INTERIOR DETAILS



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date June 29, 2007
Job Number 4.40633.00
Drawn By
Checked By

Revisions	Number	Date	Description
1		5/23/07	ADD #1
2		6/01/07	ADD #2

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JAMES W. DIEKEN
8 4464
LEAWOOD KANSAS
LICENSED ARCHITECT
7-14-07



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Date	June 29 2007
Job Number	4-06033 00
Drawn By	SKB
Checked By	LWD

Revisions

Number	Date	Description
1	5/23/07	ADD #1
2	6/01/07	ADD #2
3	7/13/07	GMP SET

A9.02

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1/4" INTERIOR ELEVATIONS

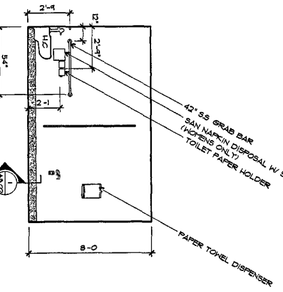
MEP/FP 05-V-00033 SAYRE MEMORIAL HOSPITAL\ARCH\A9.03.DWG
07/13/2007 1:14:47
4-06033-903.dwg

30 NOT USED 1/4" = 1'-0" — SOILED HOLD 416

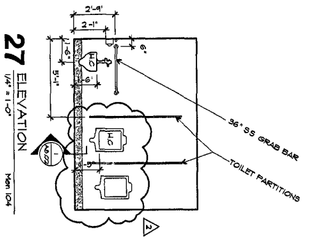
29 NOT USED 1/4" = 1'-0" — SUPPLY 415

28 NOT USED 1/4" = 1'-0" — SUPPLY 415

27 ELEVATION 1/4" = 1'-0" — Women 108 & Men 104



27A ELEVATION 1/4" = 1'-0" — Women 108 & Men 104



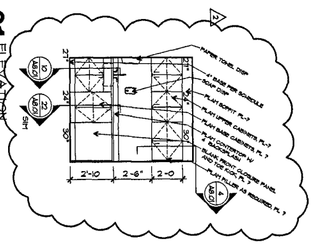
26 NOT USED 1/4" = 1'-0" — TYPICAL EXAM 413

25 NOT USED 1/4" = 1'-0" — TYPICAL EXAM 413

24 ELEVATION 1/4" = 1'-0" — TYPICAL EXAM 413

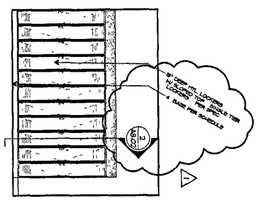
23 ELEVATION 1/4" = 1'-0" — TYPICAL EXAM 413

22 ELEVATION 1/4" = 1'-0" — LAUNDRY 214

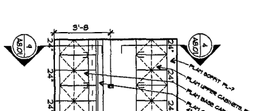


21 ELEVATION 1/4" = 1'-0" — LAUNDRY 214

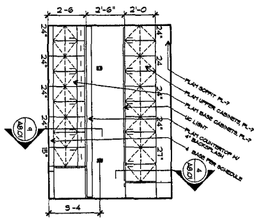
20 ELEVATION 1/4" = 1'-0" — PURCHASING 272



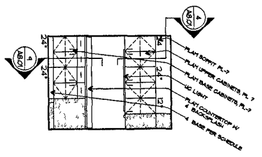
19 ELEVATION 1/4" = 1'-0" — WORK 249



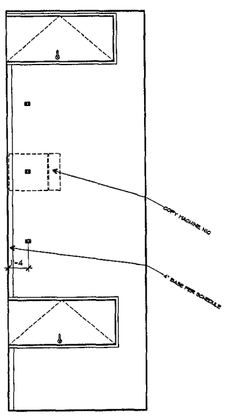
18 ELEVATION 1/4" = 1'-0" — RESPIRATORY THERAPY 101



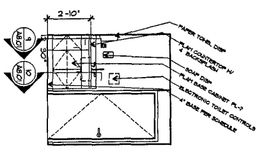
17 ELEVATION 1/4" = 1'-0" — RESPIRATORY THERAPY 101



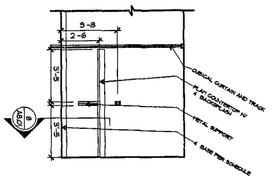
16 ELEVATION 1/4" = 1'-0" — WORK 249



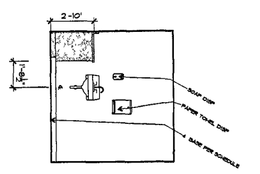
13 ELEVATION 1/4" = 1'-0" — SPEC 244



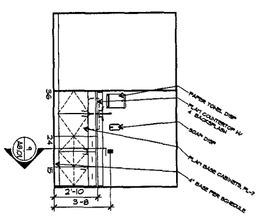
12 ELEVATION 1/4" = 1'-0" — SPEC 244



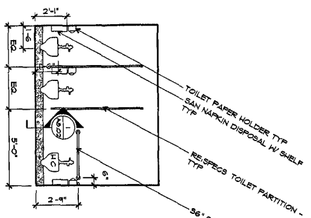
11 ELEVATION 1/4" = 1'-0" — SOIL HOLD 108



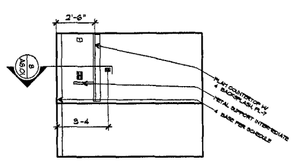
10 ELEVATION 1/4" = 1'-0" — SOIL HOLD 108



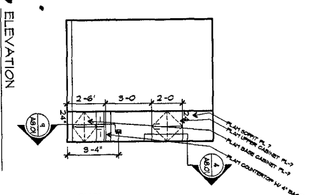
9 ELEVATION 1/4" = 1'-0" — Women 108



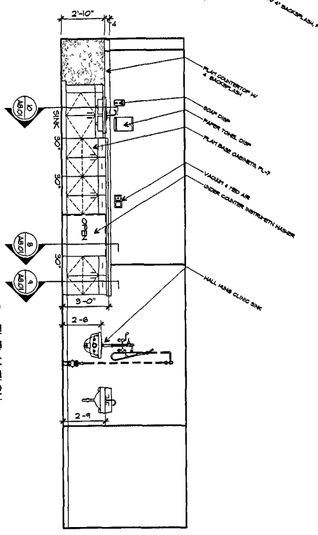
8 ELEVATION 1/4" = 1'-0" — CONTROL 235



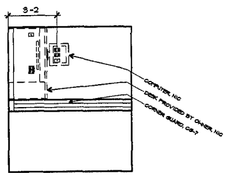
7 ELEVATION 1/4" = 1'-0" — CONTROL 235



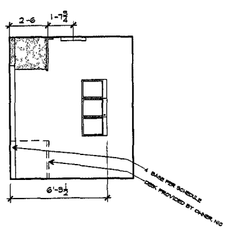
6 ELEVATION 1/4" = 1'-0" — DECONTAM 234



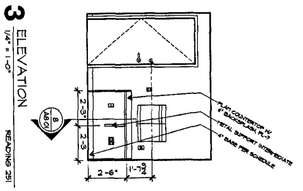
5 ELEVATION 1/4" = 1'-0" — READING 251



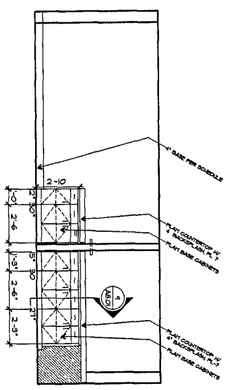
4 ELEVATION 1/4" = 1'-0" — READING 251



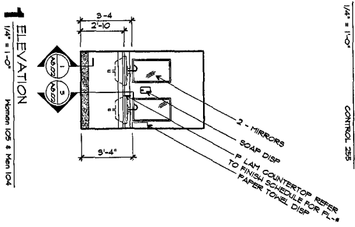
3 ELEVATION 1/4" = 1'-0" — READING 251



2 ELEVATION 1/4" = 1'-0" — DECONTAM 234



1 ELEVATION 1/4" = 1'-0" — Women 108 & Men 104



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Bredson and Associates Inc
Mechanical Electrical Plumbing
Consulting Engineers
8511 Hillcrest Suite 100
Kansas City Mo 64138
816 356 6569

Bob D Cambell & Co
Structural Engineers
4338 Belleview
Kansas City Mo 64111
816 531 4144

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd
St Louis MO 63141
11229 Nall, Suite 140
Leawood KS 66211
913 338 2300
913 338 2003 fax
1421 E 104 St
Kansas City, MO 64131

Revisions		
Number	Date	Description
1	5/23/07	ADD #1
2	6/01/07	ADD #2
A	7/13/07	GMP SET

Date: June 29 2007
Job Number: 4-06033.00
Drawn By: SKB
Checked By: LWD

A9.03

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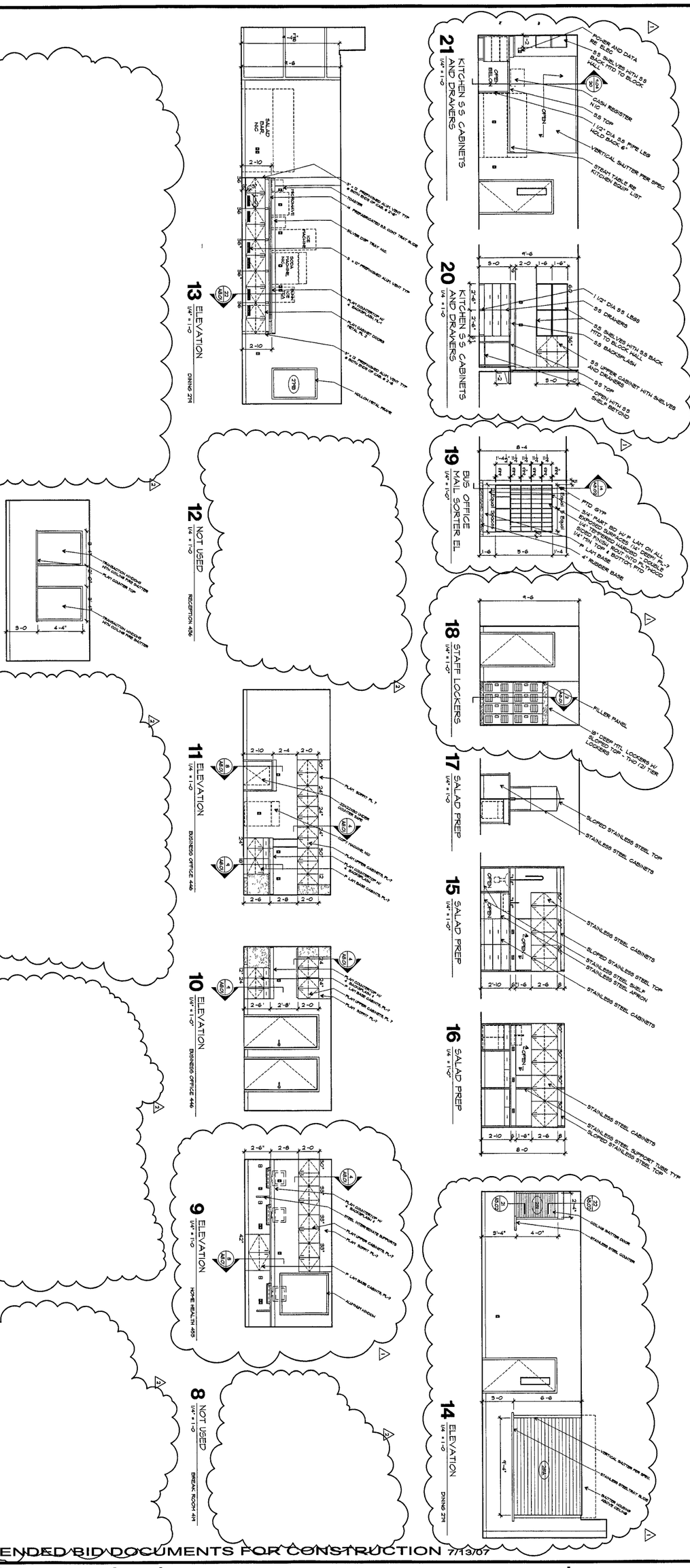
1/4" INTERIOR ELEVATIONS

STATE OF OKLAHOMA — JOHN W. DIBOLL — 14464 — REGISTERED ARCHITECT — LEAWOOD, KANSAS — 7-14-07

XREFs: M:\A-06033 SAYRE MEMORIAL HOSPITAL\XREF\TITLEBLOCKBLUE.dwg M:\A-06033 SAYRE MEMORIAL HOSPITAL\XREF\A-06033-SHEET.dwg
07/13/2007 | 14:55
4-06033-904.dwg



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Revisions		
Number	Date	Description
1	5/25/07	ADD #1
2	7/13/07	GMP SET

Date: June 23 2007
Job Number: 4-06033.00
Drawn By: SKB
Checked By: LWD

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

A9.04

1/4" INTERIOR ELEVATIONS

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Bredson and Associates Inc
Mechanical Electrical Plumbing
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Bob D Cambell & Co
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4338 Belleview
Kansas City Mo 64111
816 531 4144

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ARCHITECTS PLANNERS INTERIOR DESIGNERS

11477 Olde Cabin Rd
St Louis MO 63141

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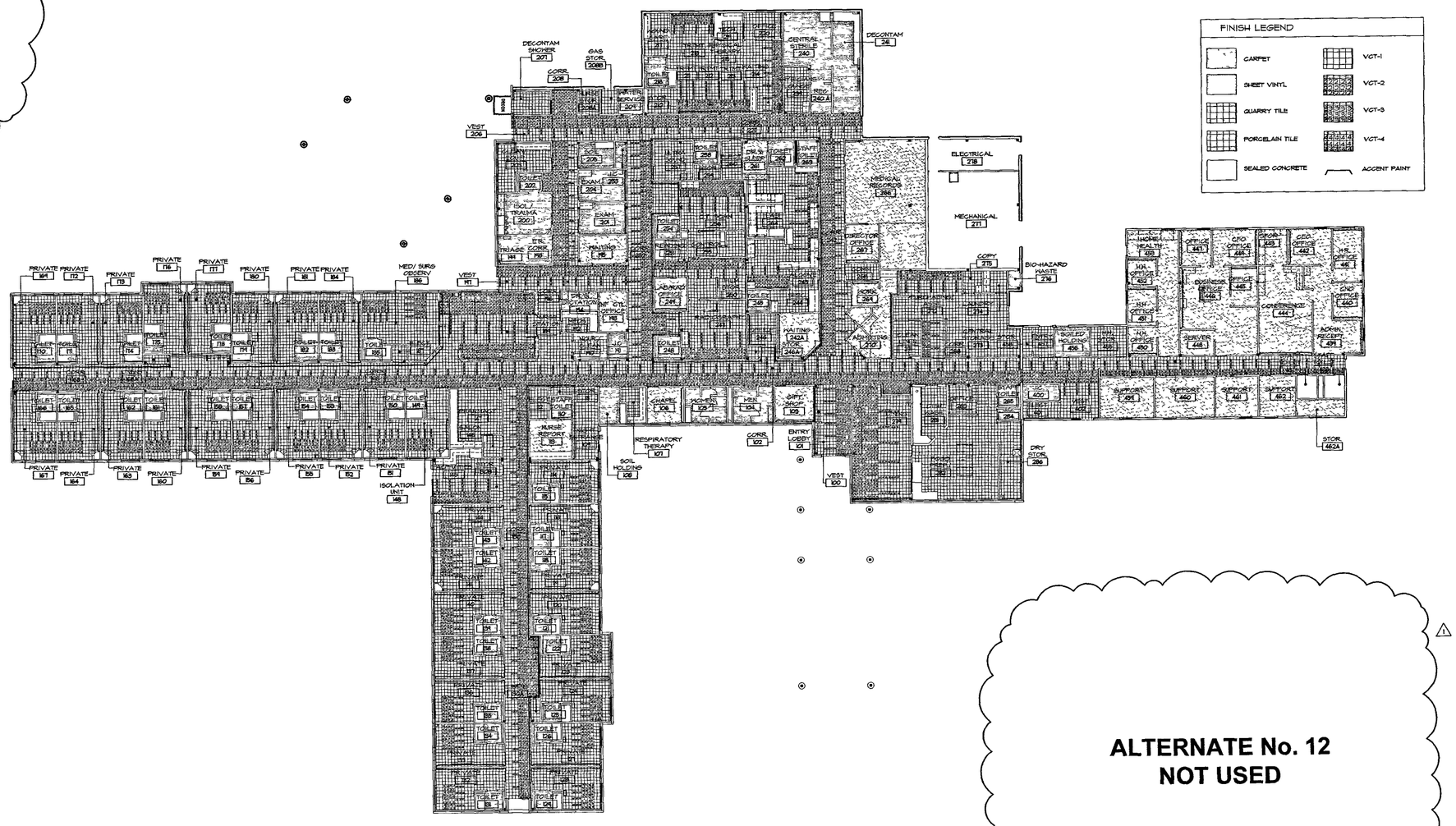
Leawood, KS 66211
913 338 2300
913 338 2003 fax

1421 E 104 St
Kansas City MO 64131

STATE OF OKLAHOMA
BRENT W. LEAVOOD
4464
REGISTERED ARCHITECT
7-14-07

ALTERNATE No. 2
NOT USED

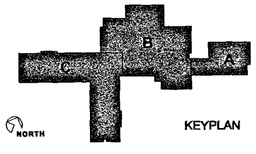
ALTERNATE No. 3
NOT USED



FINISH LEGEND

CARPET	VCT-1
SHEET VINYL	VCT-2
QUARRY TILE	VCT-3
PORCELAIN TILE	VCT-4
SEALED CONCRETE	ACCENT PAINT

ALTERNATE No. 12
NOT USED



KEYPLAN

1/16" = 1'-0"

HOSPITAL
OVERALL FLOOR PLAN 40,660 SF
1/16" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd
St Louis, MO 63141
11229 Nall, Suite 140
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816 358 6569

Bob D Campbell & Co
Structural Engineers
4338 Belleview
Kansas City Mo 64111
816 531 4144

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions

Number	Date	Description
1	7/13/07	GMP SET

F2.01

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1/16" FINISH FLOOR PLAN

INTERIOR FINISH SCHEDULE

Room #	Room Name	Floor	Base	Walls North	Walls East	Walls South	Walls West	Ceiling	Casework Base	Casework Tops	Casework Walls	Notes	Sign
100	VEST	VCT	RB	P	P	P	P	-	-	-	-	NOTE 2	-
101	ENRTY/ LOBBY	VCT	RB	P	-	P	P	-	-	-	-	NOTE 2	-
102	CORRIDOR	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
103	GIFT SHOP	CPT	RB	P	P	P	P	ACT-1	PL	PL	-	NOTE 1	-
104	MEN	SV	SVB	EP	EP	EP	EP	ACT-1	-	PL	-	-	-
105	WOMEN	SV	SVB	EP	EP	EP	EP	ACT-1	-	PL	-	-	-
106	CHAPEL	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
107	RESPIRATORY THERAPY	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
108	SOIL HOLD	SV	SVB	EP	EP	EP	EP	ACT-2	PL	PL	-	-	-
109	NIGHT ENTRANCE	VCT	RB	P	-	P	P	ACT-1	-	-	-	NOTE 1	-
110	STAFF TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
111	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
112	ELECT	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
113	NURSE REPORT	CPT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
114	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
115	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
116	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
117	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
118	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
119	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
120	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
121	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
122	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
123	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
124	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
125	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
126	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
127	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
128	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
129	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
130	CORRIDOR	VCT	RB	P	-	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
130A	LINENS	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
130B	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
131	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
132	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
133	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
134	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
135	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
136	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
137	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
138	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
139	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
140	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
141	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
142	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
143	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
144	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
145	ACTIVITIES	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTE 2	-
146	SALON	VCT	RB	P	P	P	P	ACT-1	-	-	PL	-	-
147	PHARMACY	VCT	RB	P	P	P	P	ACT-1	PL	SS	PL	-	-
148	ISOLATION UNIT	VCT	RB	P	P	P	P	-	-	SS	PL	NOTES 1 & 2	-
149	TOILET	SV	SVB	EP	EP	EP	EP	-	-	-	-	-	-
150	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
151	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
152	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
153	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
154	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
155	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
156	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
157	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
158	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
159	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
160	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
161	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
162	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
163	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
164	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
165	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
166	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
167	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
168	CORRIDOR	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
168A	LINENS	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
169	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
170	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
171	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
172	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
173	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
174	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
175	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
176	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
177	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
178	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
179	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
180	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
181	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
182	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
183	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
184	PRIVATE	VCT	RB	P	P	P	P	ACT-1	-	SS	PL	NOTES 1 & 2	-
185	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
186	MED / SURG OBSERV	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 2	-
187	ELECT	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
189	NURSE STATION	VCT	RB	P	P	-	-	ACT-1	PL	PL	PL	NOTES 1 & 2	-
190	NOURISH / CLEAN	VCT	RB	P	P	P	P	ACT-2	PL	PL	PL	-	-
191	JAN CLOSET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
192	MEDS	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
193	INF CTL OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
194	DR'S DICTATION	CPT	RB	P	P	P	P	ACT-1	-	PL	-	-	-
195	WAITING	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
196	CORRIDOR	VCT	RB	P	P	-	P	ACT-1	-	-	-	NOTE 2	-
197	VEST	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 2	-
198	ER CORRIDOR	VCT	RB	P	-	P	-	ACT-1	-	-	-	NOTE 2	-
199	TRIAGE	SV	SVB	EP	EP	EP	EP	ACT-2	-	-	-	-	-
200	ISOL / TRAUMA	SV	SVB	EP	EP	EP	EP	ACT-2	PL	PL	PL	-	-
201	EXAM	SV	SVB	P	P	P	P	ACT-1	PL	PL	PL	NOTE 1	-
202	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
203	CLEAN / EQUIP	VCT	RB	P	P	P	P	ACT-2	PL		PL	-	-
204	EXAM	SV	SVB	P	P	P	P	ACT-1	PL	PL	PL	NOTE 1	-
205	SOIL	SV	SVB	EP	EP	EP	EP	ACT-2	PL	PL	PL	-	-
206	VEST	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 2	-
207	DECONTAM. SHOWER	PT	PTB	EP	EP	EP	EP	-	-	-	-	-	-
208	CORRIDOR	VCT	RB	P	P	-	P	ACT-1	-	-	-	NOTE 2	-
208A	NURSE STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
208B	GAS STORAGE	VCT	RB	P	P	P	P	-	-	-	-	-	-
209	WATER SERVICE	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
210	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
211	TREATMENT	VCT	RB	P	-	-	P	ACT-1	-	-	-	NOTES 1 & 2	-
212	TREATMENT	VCT	RB	-	-	-	P	ACT-1	-	-	-	NOTES 1 & 2	-
213	TREATMENT	VCT	RB	-	-	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
214	WAITING	VCT	RB	P	-	P	P	ACT-1	-	-	-	NOTES 1 & 2	-
215	PHYSICAL THERAPY	VCT	RB	P	-	P	-	ACT-1	PL	PL	PL	NOTE 2	-
216	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
217	WOUND CARE	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
218	TREATMENT	VCT	RB	P	P	P	-	ACT-1	-	-	-	NOTES 1 & 2	-
219	TECH	VCT	RB	P	P	P	P	ACT-1	-	PL	-	-	-
220	OFFICE	VCT	RB	P	P	P	P	ACT-1	-	PL	-	NOTE 1	-
221	CORRIDOR	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTES 1 & 2	-
239	PHYSICIANS LOUNGE	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
240	CENTRAL STERILE	SV	SVB	EP	EP	EP	EP	ACT-2	PL	PL	-	-	-
240A	REC	SV	SVB	P	P	P	P	ACT-1	-	-	-	-	-

INTERIOR FINISH SCHEDULE CONT.

Room #	Room Name	Floor	Base	Walls North	Walls East	Walls South	Walls West	Ceiling	Casework Base	Casework Tops	Casework Walls	Notes	Sign
241	DECONTAM	SV	SVB	EP	EP	EP	EP	ACT-2	PL	PL	-	-	-
242	CORRIDOR	VCT	RB	P	-	P	-	ACT-1	-	-	-	NOTES 1 & 2	-
242A	WAITING	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
243	ALCOVE	VCT	RB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
244	SPEC	VCT	RB	EP	EP	EP	EP	ACT-1	PL	PL	PL	-	-
245	TOILET	SV	SVB	EP	EP	EP	EP	-	-	-	-	-	-
246	OFFICE	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
246A	STOR	VCT	RB	P	P	P	P	ACT-4	PL	PL	PL	-	-
247	RADIOGRAPHY	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 2	-
248	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
249	LAB/RAD OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
250	FILM STORAGE	VCT	RB	P	-	P	P	ACT-1	PL	-	-	-	-
251	READING	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
252	CORRIDOR	VCT	RB	P	-	P	-	ACT-1	-	-	-	NOTES 1 & 2	-
253	JAN CLOSET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
254	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	PL	-	-	-
255	CONTROL	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
256	CT SCAN	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTE 2	-
257	ULTRA SOUND	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
258	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	PL	PL	-	-	-
259	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
260	ELECTRICAL	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
261	DR'S SLEEP	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
262	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
263	STAFF TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	PL	PL	PL	-	-
264	LAB	VCT	RB	EP	EP	EP	EP	ACT-1	-	-	-	NOTE 2	-
266	MEDICAL RECORDS	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
267	DIRECTOR OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
268	COMM	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
269	WORK	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
270	ADMITTING	CPT	RB	P	P	P	P	ACT-4	PL	PL	-	NOTE 1	-
271	CLEAN LINEN	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
272	PURCHASING / ASST	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTES 1 & 2	-
273	CENTRAL STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
274	LAUNDRY	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
275	COPY	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
276	BIO-HAZARD WASTE	SV	SVB	EP	EP	EP	EP	ACT-2	-	-	-	-	-
277	MECHANICAL	SC	RB	P	P	P	P	-	-	-	-	-	-
278	ELECTRICAL	SC	RB	P	P	P	P	-	-	-	-	-	-
279	DINING	VCT	RB	P	P	P	P	ACT-1	ML	ML	-	NOTES 1 & 2	-
281	DISH WASH	QT	QTB	EP	EP	EP	EP	ACT-3	-	-	-	-	-
282	FOOD PREP	QT	QTB	EP	EP	EP	EP	ACT-3	-	-	-	-	-
283	OFFICE	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
284	JAN CLOSET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
285	STAFF TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
286	DRY STORAGE	QT	QTB	EP	EP	EP	EP	ACT-3	-	-	-	-	-
288	CORRIDOR	VCT	RB	-	P	P	P	ACT-1	-	-	-	NOTE 2	-
400	JAN CLOSET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
401	ELECT	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
402	VEST	VCT	RB	P	P	P	P	ACT-4	-	-	-	NOTE 2	-
403	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
404	WAITING	CPT	RB	P	P	P	P	ACT-4	-	-	-	NOTE 1	-
405	CORRIDOR	VCT	RB	P	P	P	P	ACT-1	-	PL	-	NOTES: 1 & 2	-
405A	NURSE STATION	VCT	RB	P	P	P	-	ACT-1	PL	PL	PL	NOTES 1 & 2	-
406	EXAM #2	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
407	EXAM #1	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
408	REC STOR	VCT	RB	P	P	P	P	ACT-1	-	-	PL	-	-
409	COMM.	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
410	OFFICE #2	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
411	OFFICE #1	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
412	EXAM #4	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
413	EXAM #5	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
414	EXAM #6	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
415	SUPPLY	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
416	SOILED HOLDING	SV	SVB	EP	EP	EP	EP	ACT-2	-	-	-	-	-
417	ELECT	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
418	EXAM #3	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
419	BREAK ROOM	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
420	JAN CLOSET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
421	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
422	TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
423	SUPPLY	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
424	EXAM #2	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
425	EXAM #1	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
426	EXAM #3	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
427	DR WORK	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
428	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
429	EXAM #4	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES: 1 & 2	-
430	NURSE STATION	VCT	RB	P	P	P	-	ACT-1	PL	PL	PL	NOTES 1 & 2	-
431	CORRIDOR	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTES 1 & 2	-
432	EXAM #6	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
433	EXAM #5	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	NOTES 1 & 2	-
434	CORRIDOR	VCT	RB	P	P	P	-	ACT-1	-	-	-	NOTES 1 & 2	-
435	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
436	RECEPTION	VCT	RB	P	P	P	P	ACT-1	PL	PL	PL	-	-
437	STAFF TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
438	STAFF TOILET	SV	SVB	EP	EP	EP	EP	ACT-1	-	-	-	-	-
439	ADMIN RECEPTION	CPT	RB	P	P	P	P	ACT-4	-	-	-	NOTE 1	-
440	CNO OFFICE	CPT	RB	P	P	P	P	ACT-4	-	-	-	NOTE 1	-
441	H.R OFFICE	CPT	RB	P	P	P	P	ACT-4	-	-	-	NOTE 1	-
442	CEO OFFICE	CPT	RB	P	P	P	P	ACT-4	-	-	-	NOTE 1	-
443	STORAGE	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
444	CONFERENCE	CPT	RB	P	P	P	P	ACT-4	PL	PL	-	-	-
445	OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE: 1	-
446	BUSINESS OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
447	OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
448	SERVER	CPT	RB	P	P	P	P	ACT-1	-	-	-	-	-
449	CFO OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
450	H.H OFFICE	CPT	RB	P	P	P	P	ACT-1	PL	PL	-	NOTE 1	-
451	H.H OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
452	H.H OFFICE	CPT	RB	P	P	P	P	ACT-1	-	-	-	NOTE 1	-
453	HOME HEALTH	CPT	RB	P	P	P	P	ACT-1	-	PL	-	-	-
454	CORRIDOR	VCT	RB	P	P	P	P	ACT-1	-	-	-	NOTES: 1 & 2	-
455	H.H STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
456	SOILED HOLD	SV	SVB	EP	EP	EP	EP	ACT-2	-	-	-	-	-
457	ENTRY	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
458	STORAGE	VCT	RB	P	P	P	P	ACT-1	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes

1 ALLOW FOR ONE ACCENT PAINTED WALL RE 1/F2.01 FOR ACCENT WALL LOCATIONS
2 ALLOW FOR ACCENT VCT RE 1/F2.01 FOR VCT PATTERN
-
-
-

MATERIAL & COLOR GROUP SCHEDULE

Mark	Item	Manufacturer	Model / Pattern	Color	Size	Remarks
ACT-1	ACCOUSTICAL CEILING TILE	USG	OMNI CLIMA PLUS	WHITE	2' X 4	SQUARE EDGE
ACT-2	ACCOUSTICAL CEILING TILE	USG	OMNI AUTOTONE	WHITE	2 X 4	SQUARE EDGE
ACT-3	ACCOUSTICAL CEILING TILE	USG	GYP PANELS - CLIMA PLUS	WHITE STIPPLE PATTERN	2 X 4	-
ACT-4	ACCOUSTICAL CEILING TILE	USG	RADAR	WHITE	2' X 2	SQUARE EDGE
CG-1	CORNER GUARDS	-	-	-	-	-
CR-1	CHAIR RAIL	-	-	-	-	-
CPT-1	CARPET	-	-	-	-	-
CPT-2	CARPET	-	-	-	-	-
CPT-3	CARPET	-	-	-	-	-
EP-1	EPOXY PAINT	-	-	-	-	-
EP-2	EPOXY PAINT	-	-	-	-	-
EP-3	EPOXY PAINT	-	-	-	-	-
EP-4	EPOXY PAINT	-	-	-	-	-
EP-5	EPOXY PAINT	-	-	-	-	-
EP-6	EPOXY PAINT	-	-	-	-	-
HR-1	HAND RAIL	-	-	-	-	-
ML-1	METAL LAMINATE	-	-	-	-	-
ML-2	METAL LAMINATE	-	-	-	-	-
P-1	PAINT	-	-	-	-	-
P-2	PAINT	-	-	-	-	-
P-3	PAINT	-	-	-	-	-
P-4	PAINT	-	-	-	-	-
P-5	PAINT	-	-	-	-	-
P-6	PAINT	-	-	-	-	-
PL-1	PLASTIC LAMINATE	-	-	-	-	-
PL-2	PLASTIC LAMINATE	-	-	-	-	-
PL-3	PLASTIC LAMINATE	-	-	-	-	-
PL-4	PLASTIC LAMINATE	-	-	-	-	-
QT-1	QUARRY TILE	-	-	-	-	-
QT-1	QUARRY TILE	-	-	-	-	-
QTB-1	QUARRY TILE BASE	-	-	-	-	-
RB-1	RUBBER BASE	-	-	-	-	-
RB-2	RUBBER BASE	-	-	-	-	-
SS-1	SOLID SURFACE	-	-	-	-	-
SS-2	SOLID SURFACE	-	-	-	-	-
SV-1	SHEET VINYL	-	-	-	-	-
SV-2	SHEET VINYL	-	-	-	-	-
VCT-1	VINYL COMPOSITION TILE	-	-	-	-	-
VCT-2	VINYL COMPOSITION TILE	-	-	-	-	-
VCT-3	VINYL COMPOSITION TILE	-	-	-	-	-
VCT-4	VINYL COMPOSITION TILE	-	-	-	-	-
WP-1	WALL PROTECTION	-	-	-	-	-

Notes

-
-
-
-
-

STATE OF OKLAHOMA · GARY W. DIEHL · 4464 · LEAWOOD KANSAS · LICENSED ARCHITECT
7-16-07

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Structural Engineers
4338 Belleview Kansas City Mo 64111 816 531 4144

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	GP
Checked By	BW

Revisions

Number	Date	Description
1	7/13/07	GMP SET

F2.02

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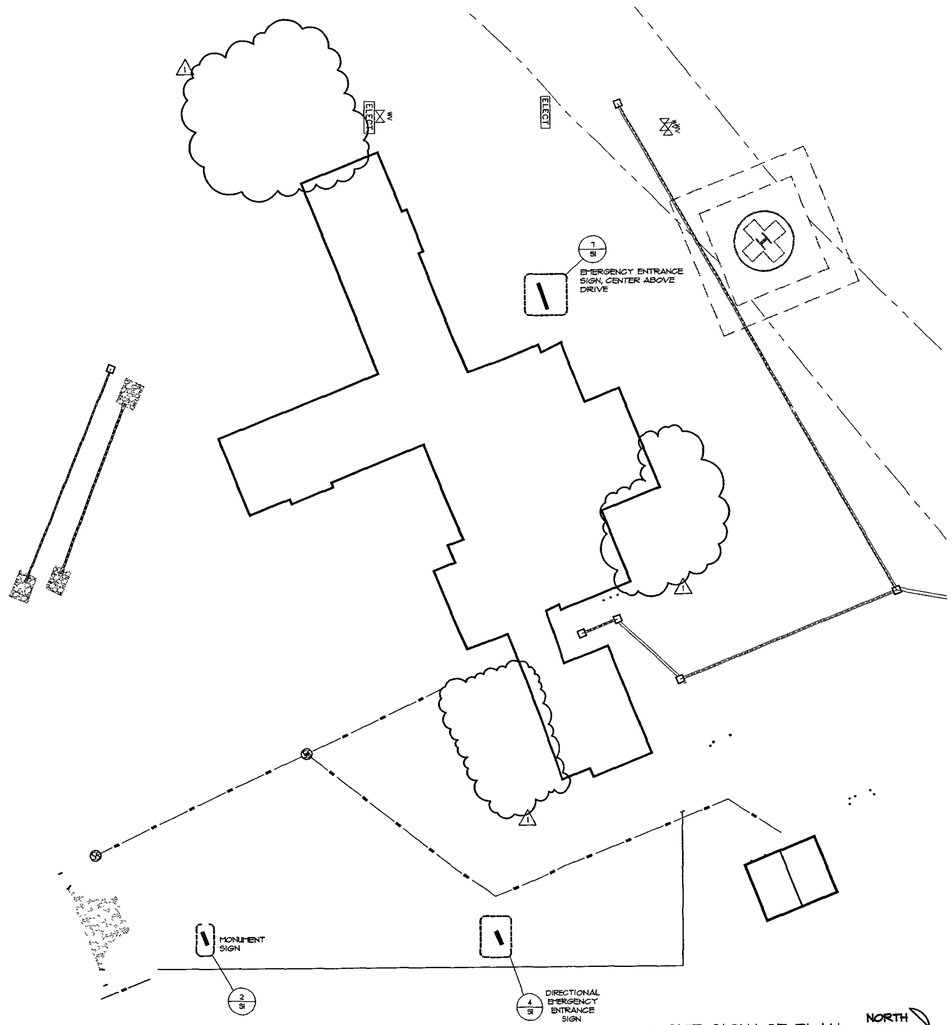
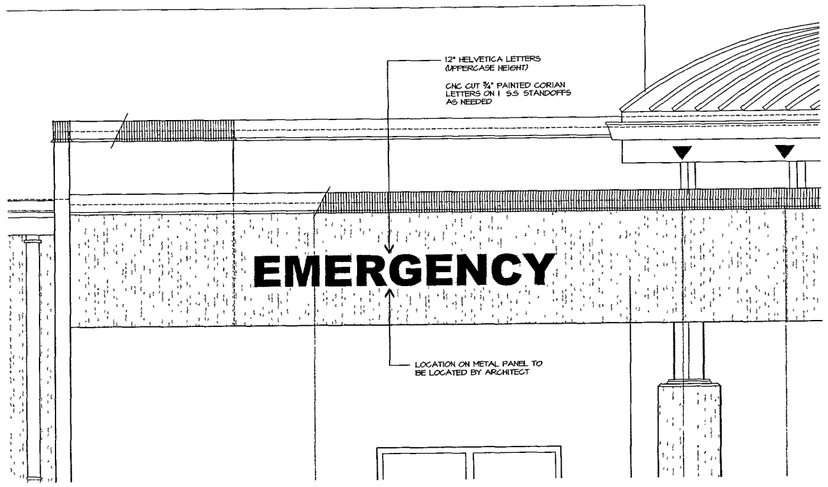
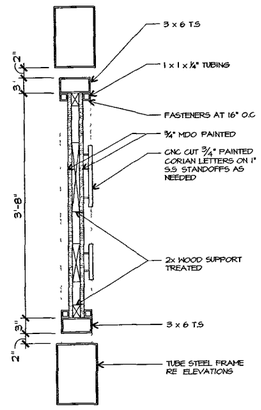
Finish Schedule



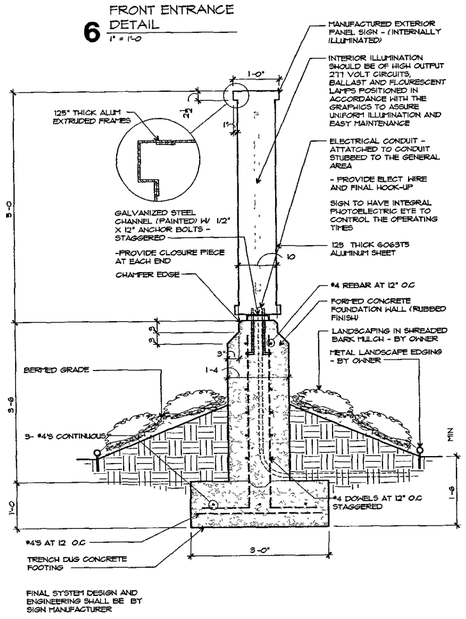
1 SITE SIGNAGE PLAN
1" = 40'



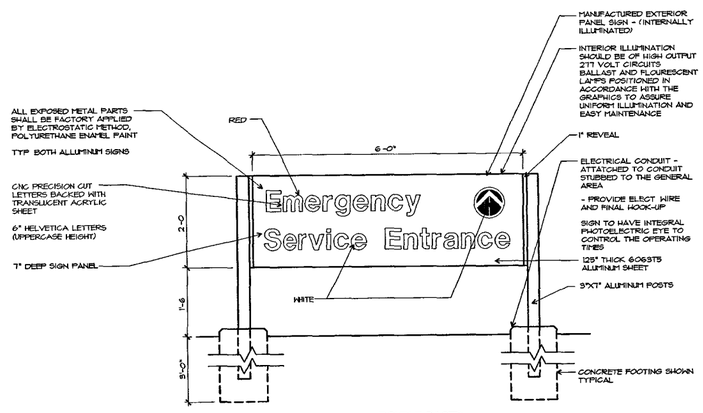
7 EMERGENCY ENTRANCE SIGN
1/2" = 1'-0"



6 FRONT ENTRANCE DETAIL
1" = 1'-0"

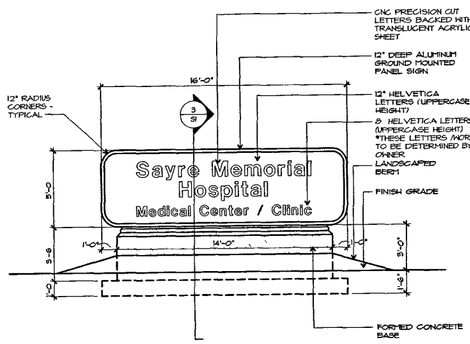


3 MONUMNET SIGN SECTION
3/4" = 1'-0"



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

- DOUBLE FACED POST AND PANEL INTERNAL ILLUMINATION



2 HOSPITAL MONUMENT SIGN
1/4" = 1'-0"

- DOUBLE FACED GROUND MOUNTED PANEL INTERNAL ILLUMINATION

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816 531 4144

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
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SIGN 1

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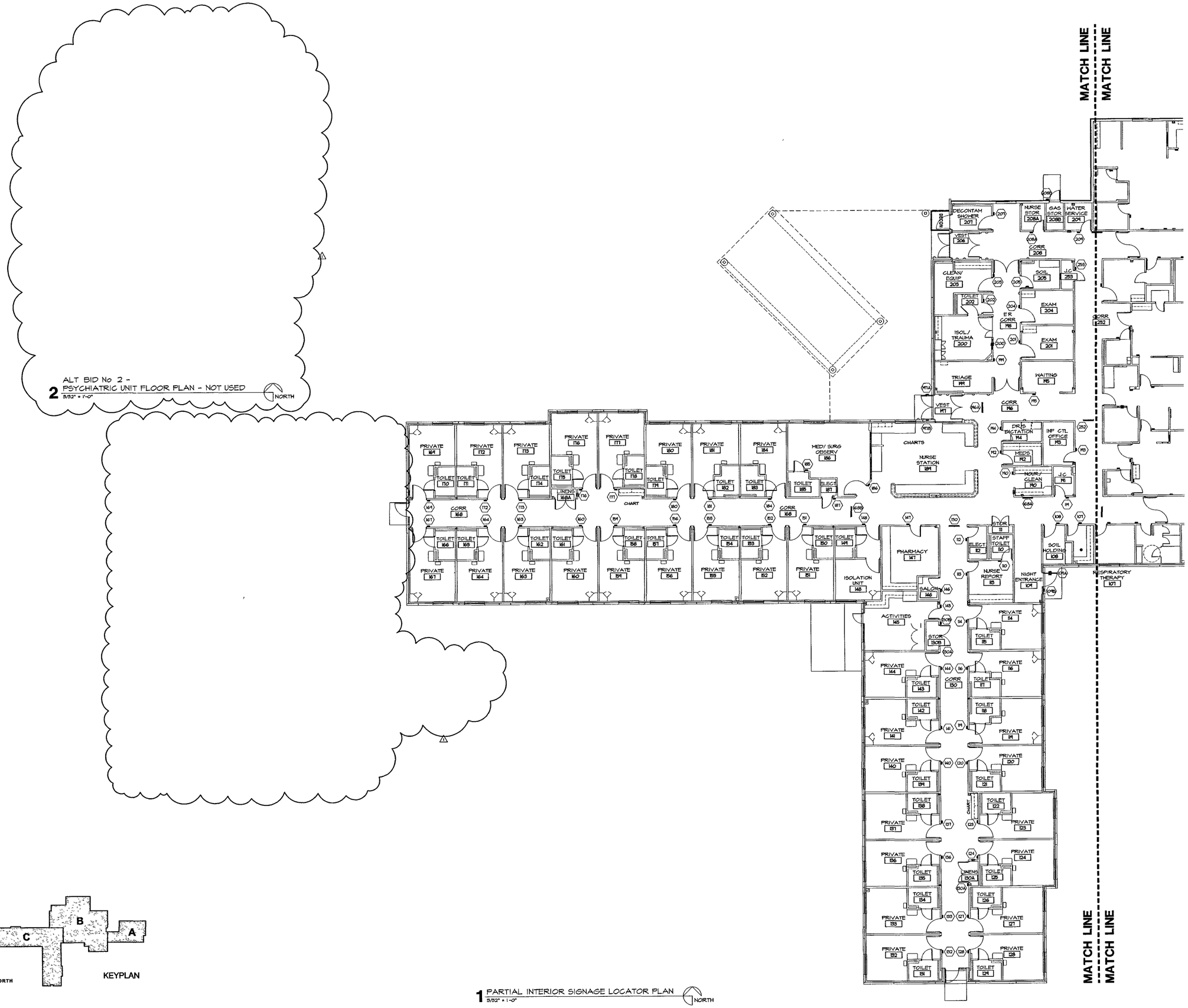
Exterior Signage



2 ALT BID No 2 - PSYCHIATRIC UNIT FLOOR PLAN - NOT USED
3/32" = 1'-0"

1 PARTIAL INTERIOR SIGNAGE LOCATOR PLAN
3/32" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Interior Signage Locator Plan

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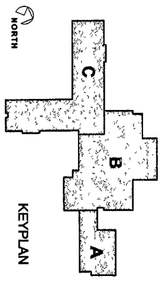
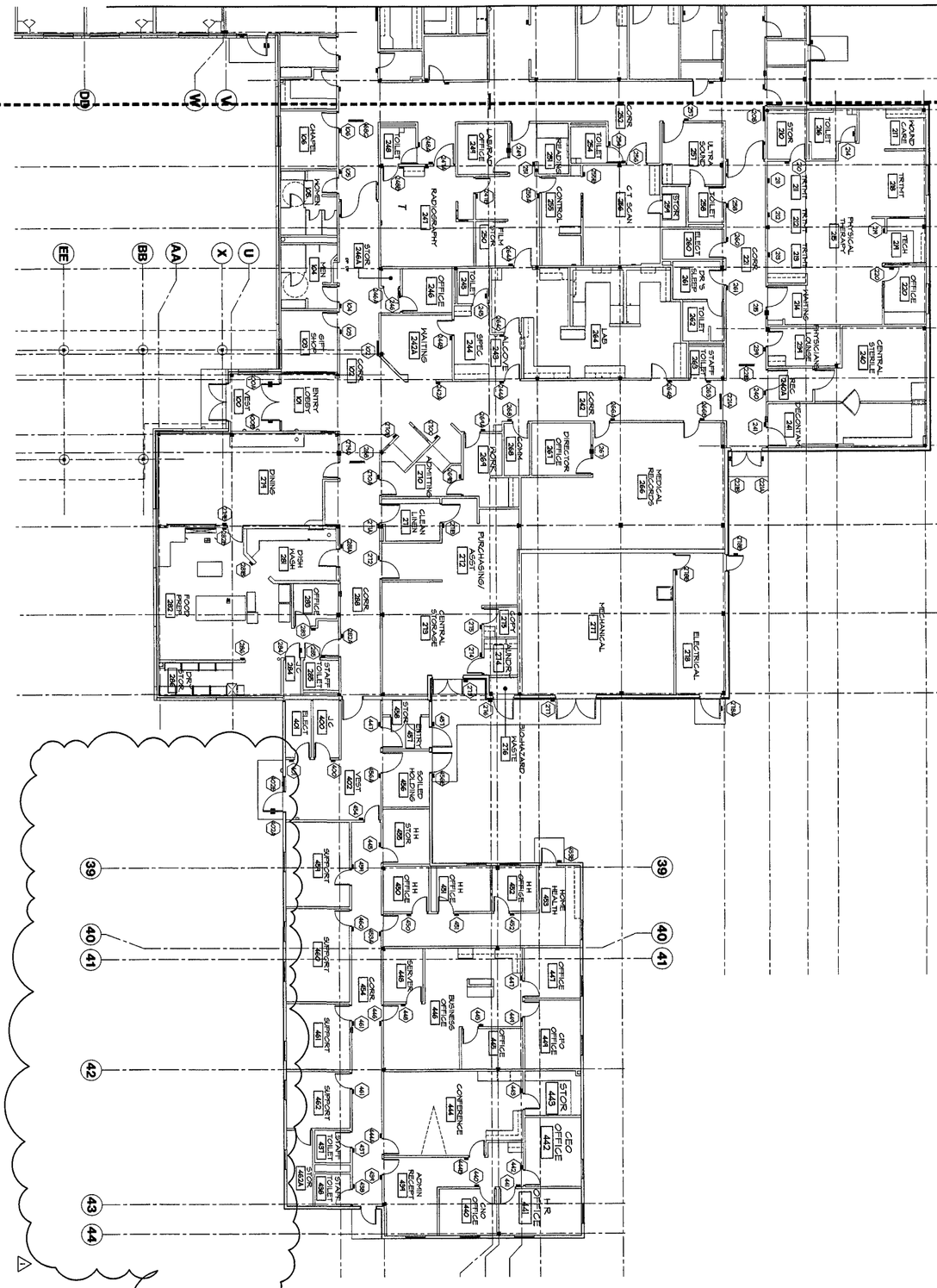
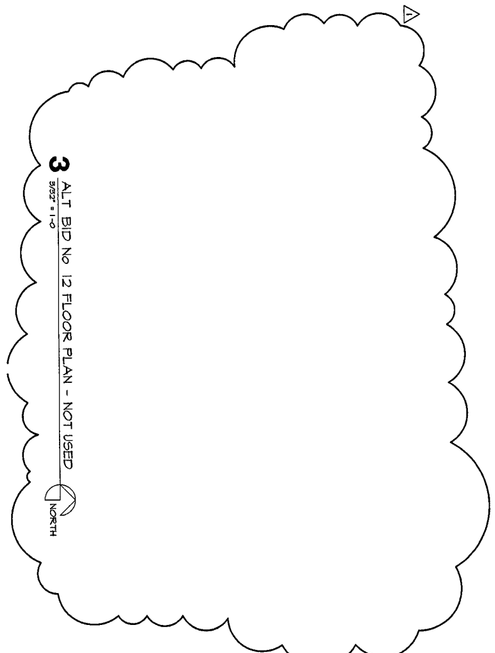


KEYPLAN

1 PARTIAL SIGN LOCATOR FLOOR PLAN
3/32" = 1'-0"





3 ALT BID No. 12 FLOOR PLAN - NOT USED
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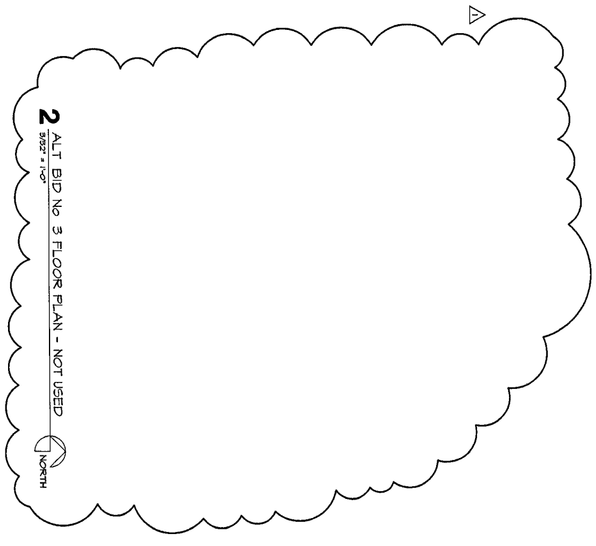

2 ALT BID No. 3 FLOOR PLAN - NOT USED
3/32" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SIGN 3

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Interior Signage Locator Plan

Revisions		
Number	Date	Description
1	7/13/07	GMP SET

Date: June 29 2007
Job Number: 4-06033.00
Drawn By: SKB
Checked By: LWD

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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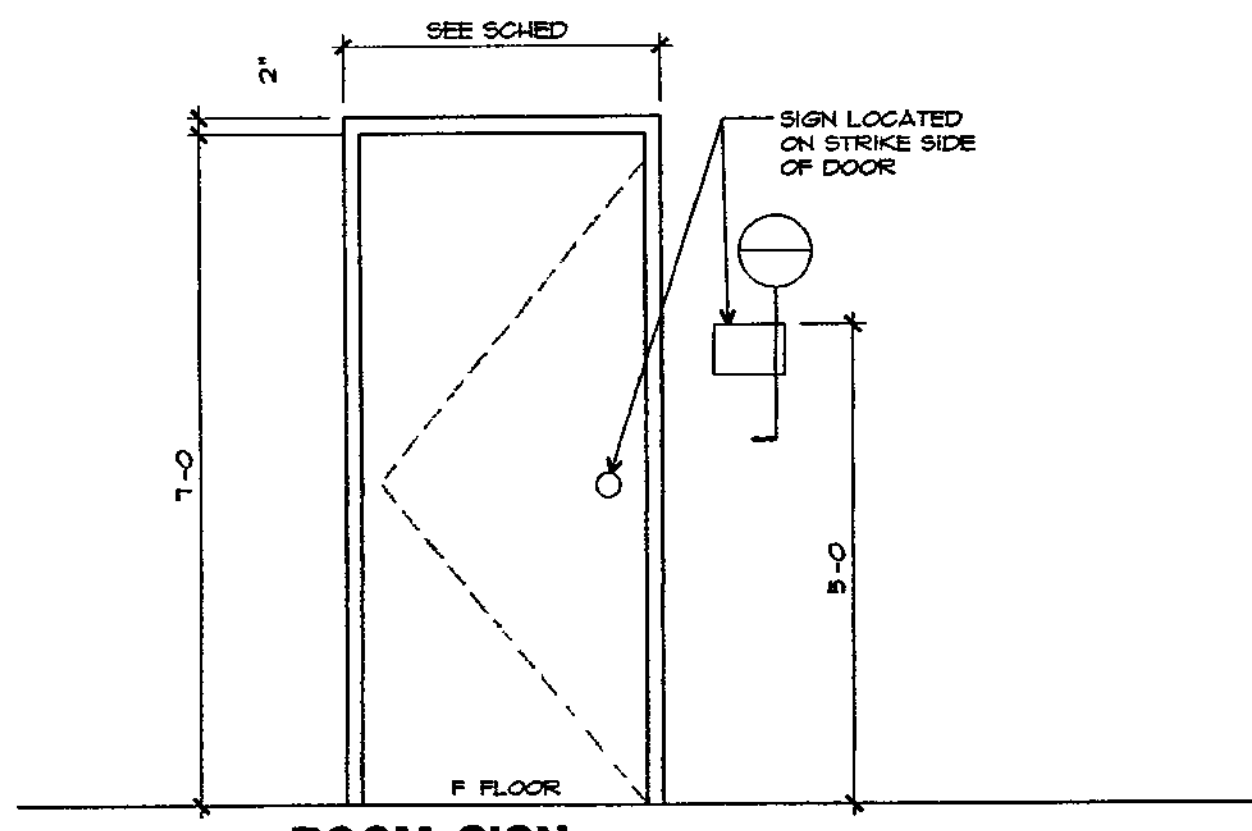
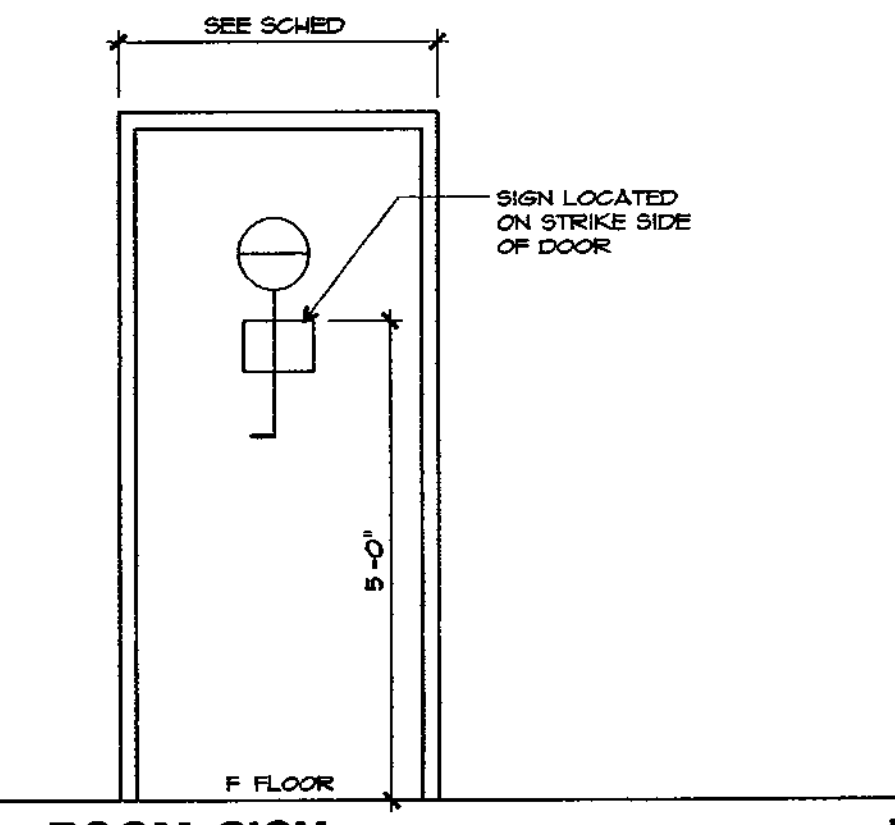
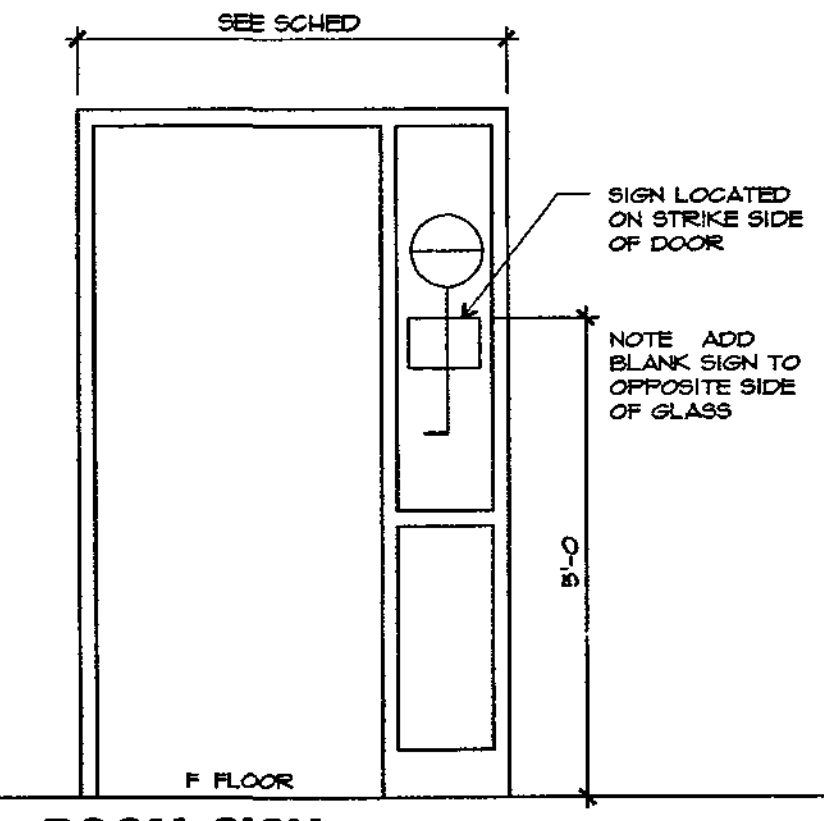
STATE OF OKLAHOMA — REGISTERED — 4464 — LEAWOOD KANSAS — REGISTERED ARCHITECT
7/14/07



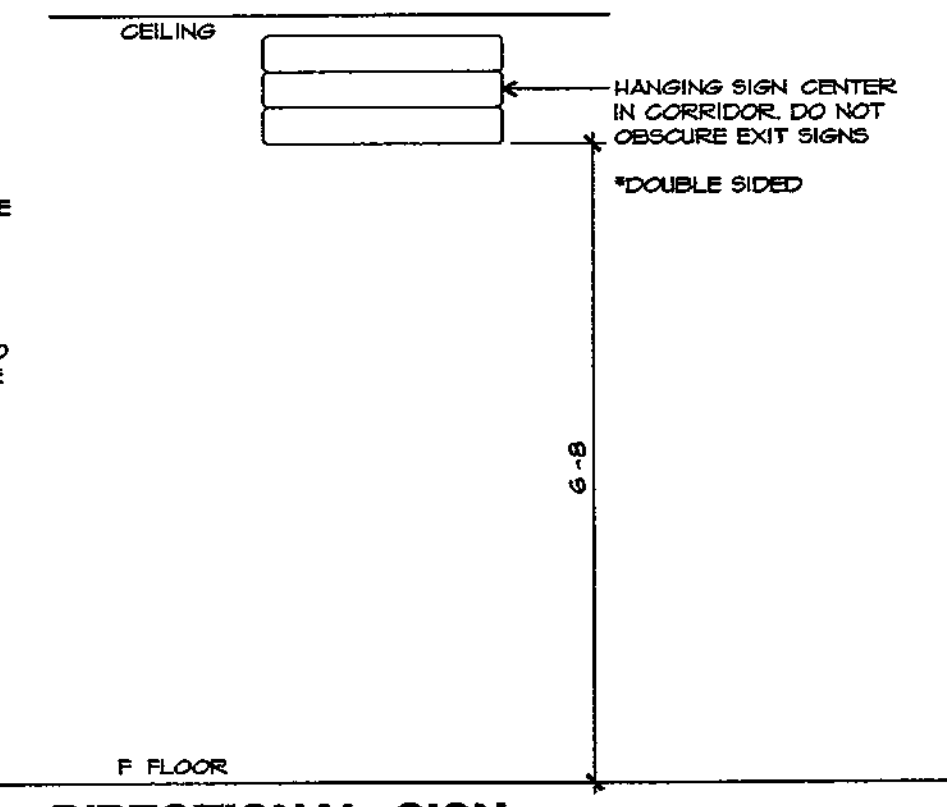
ROOM SIGN WALL INSTALLATION
1/2" = 1'-0"



ROOM SIGN DOOR INSTALLATION
1/2" = 1'-0"



ROOM SIGN GLASS INSTALLATION
1/2" = 1'-0"



DIRECTIONAL SIGN CEILING INSTALLATION
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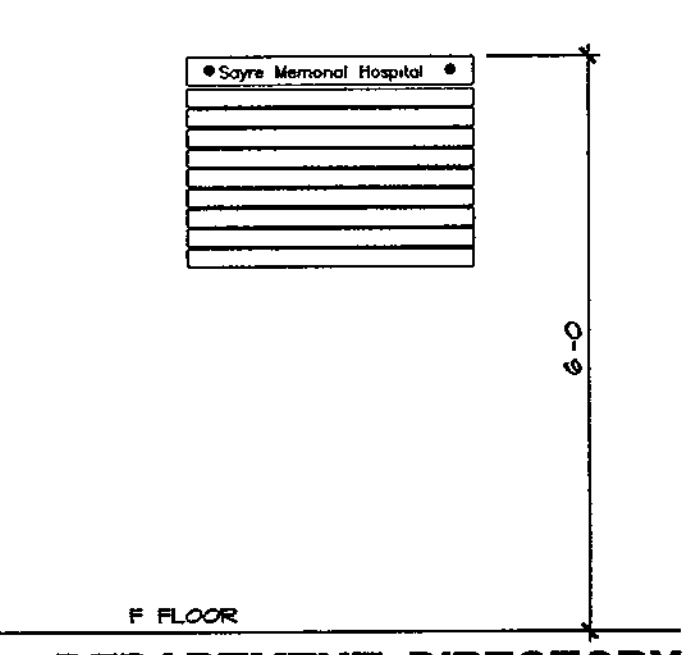

DEPARTMENT DIRECTORY WALL INSTALLATION
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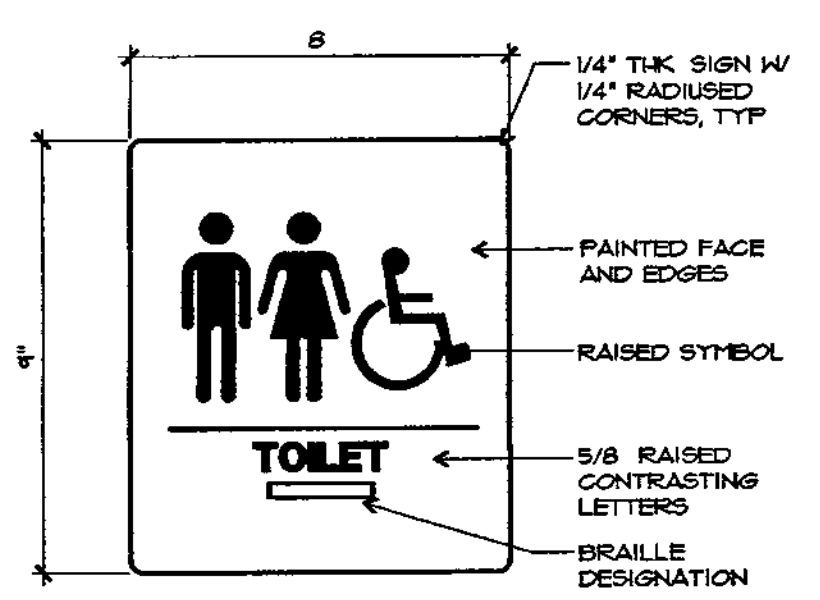
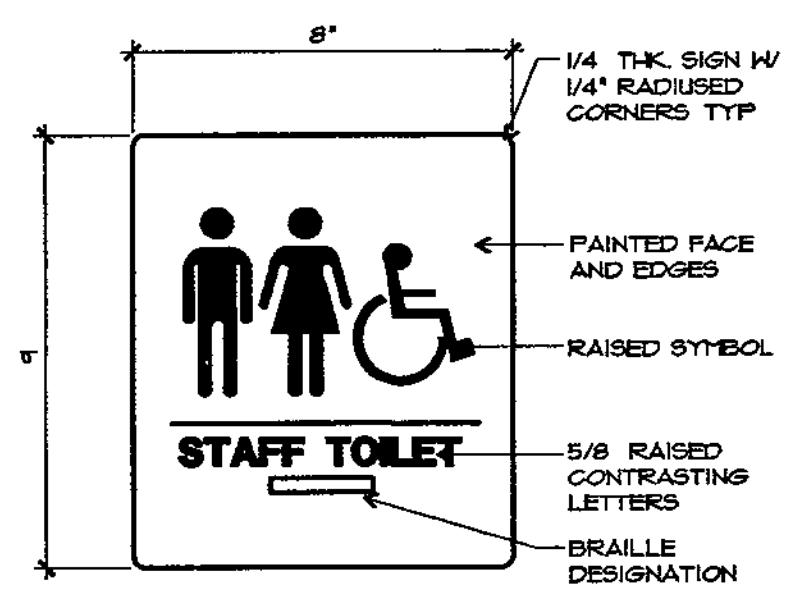
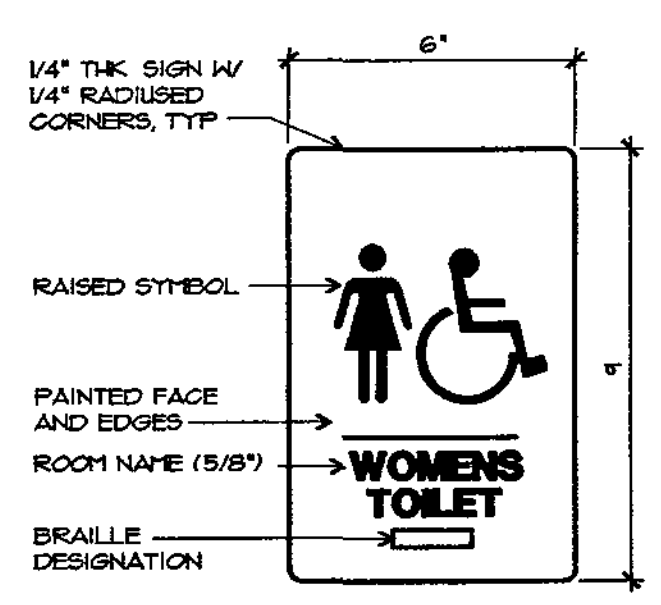


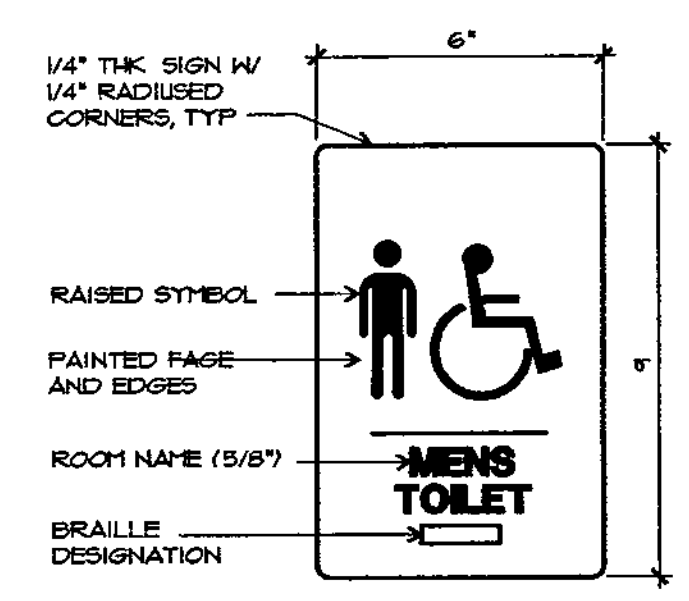
TYPE "D" SIGN
3" = 1'-0"



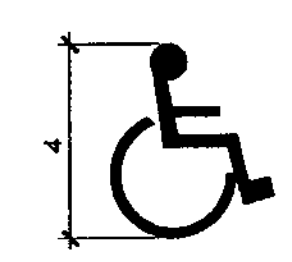
TYPE "E" SIGN
3" = 1'-0"



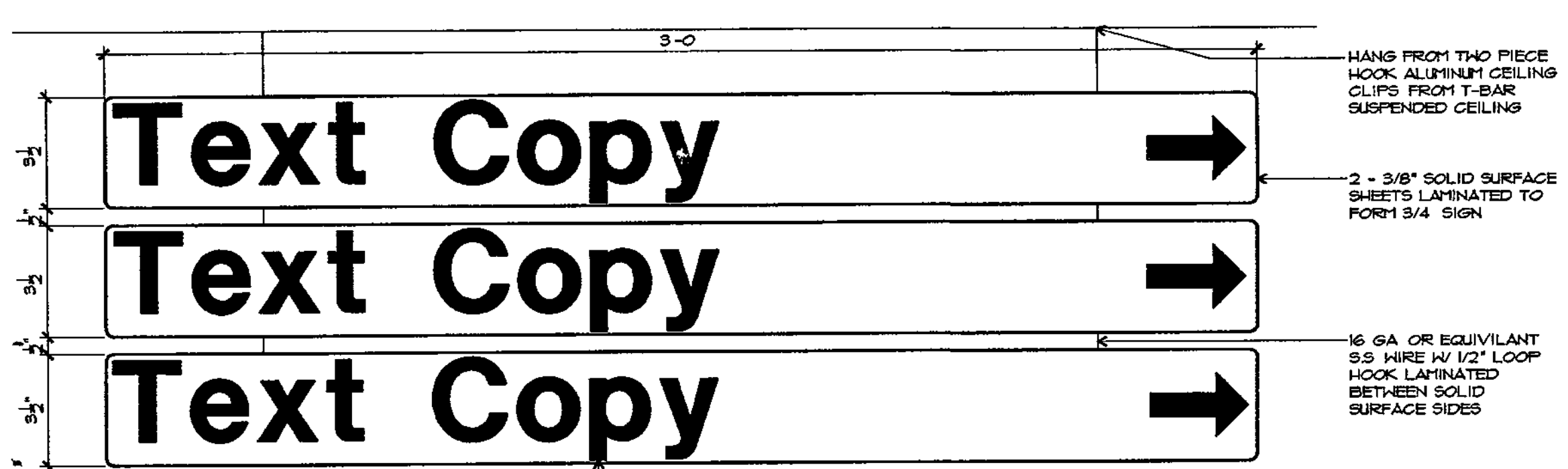
TYPE "G" SIGN
3" = 1'-0"



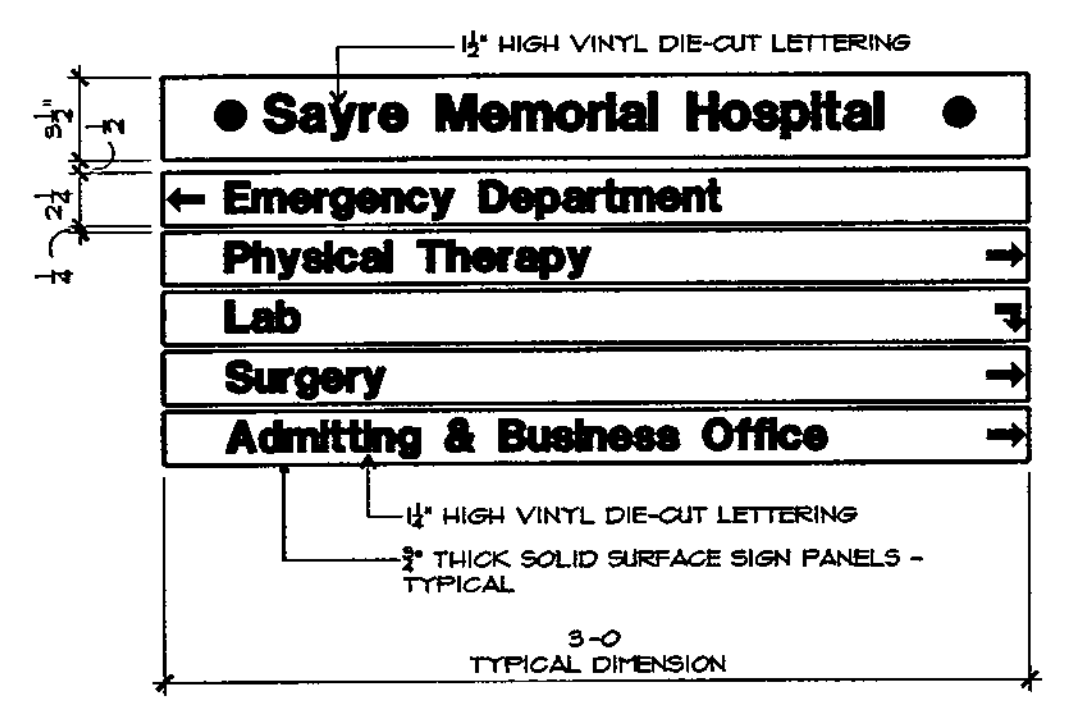
TYPE "H" SIGN
3" = 1'-0"



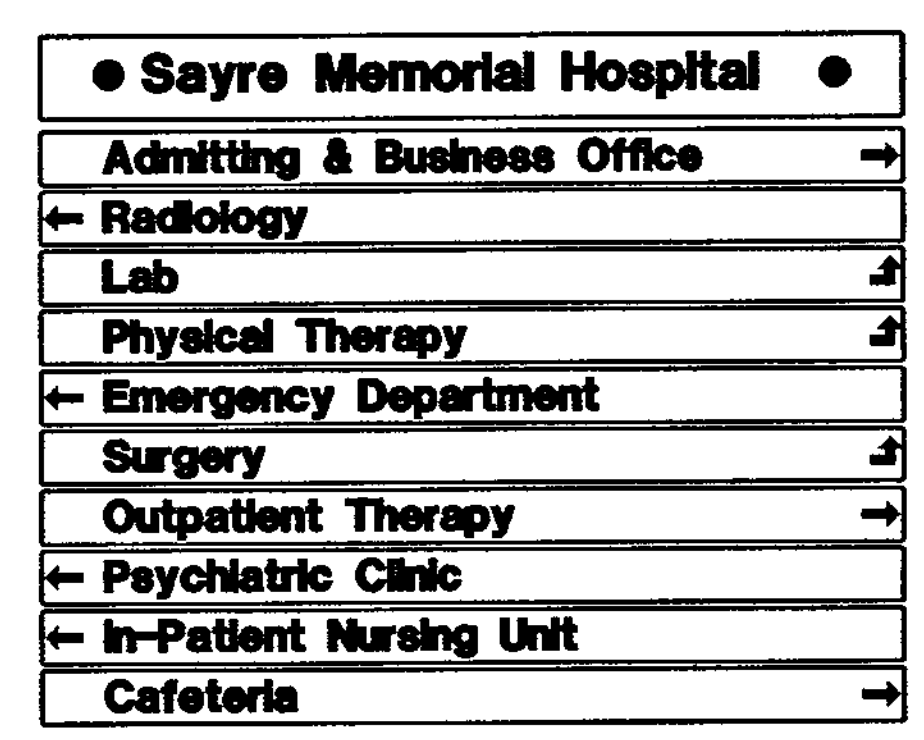
TYPE "I" SIGN
3" = 1'-0" VINYL STICK-ON @ ENTRY DOORS



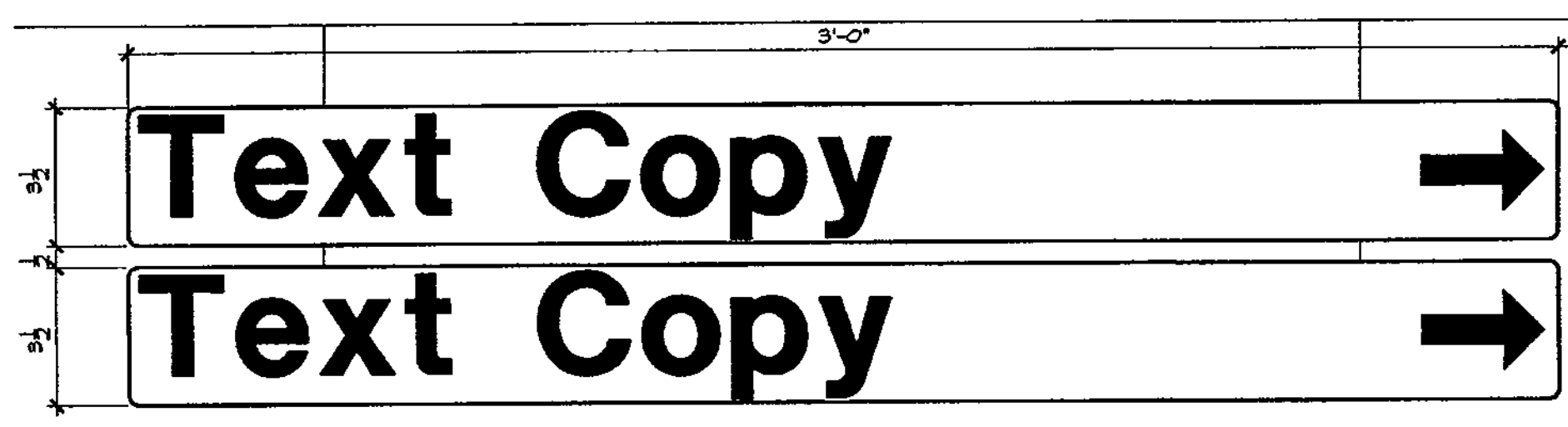
DIRECTIONAL TYPE "M" SIGN
3 = 1-0 * DOUBLE SIDED



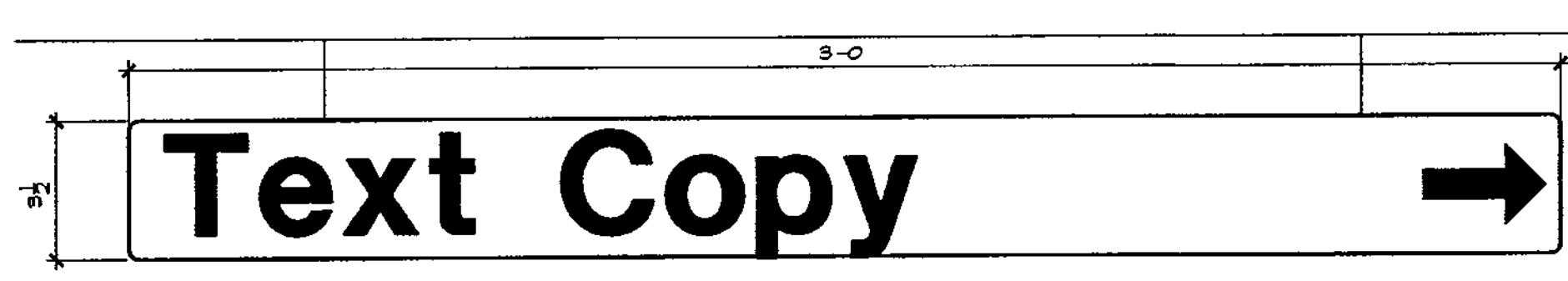
DEPARTMENT DIRECTORY TYPE "Q"
1-1/2" = 1-0 SINGLE SIDED



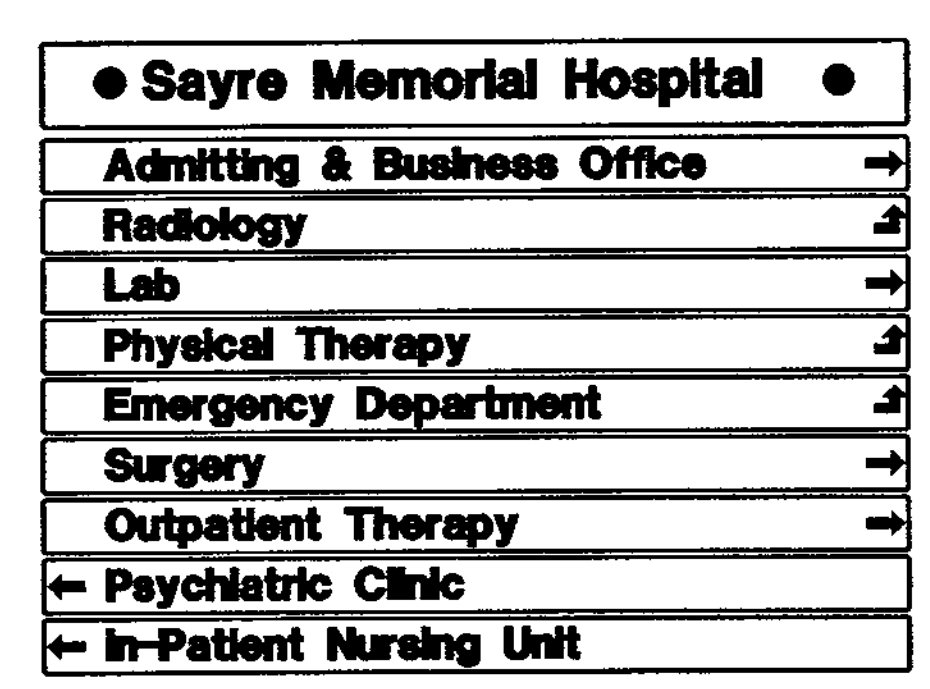
DEPARTMENT DIRECTORY TYPE "S"
1-1/2" = 1-0 SINGLE SIDED



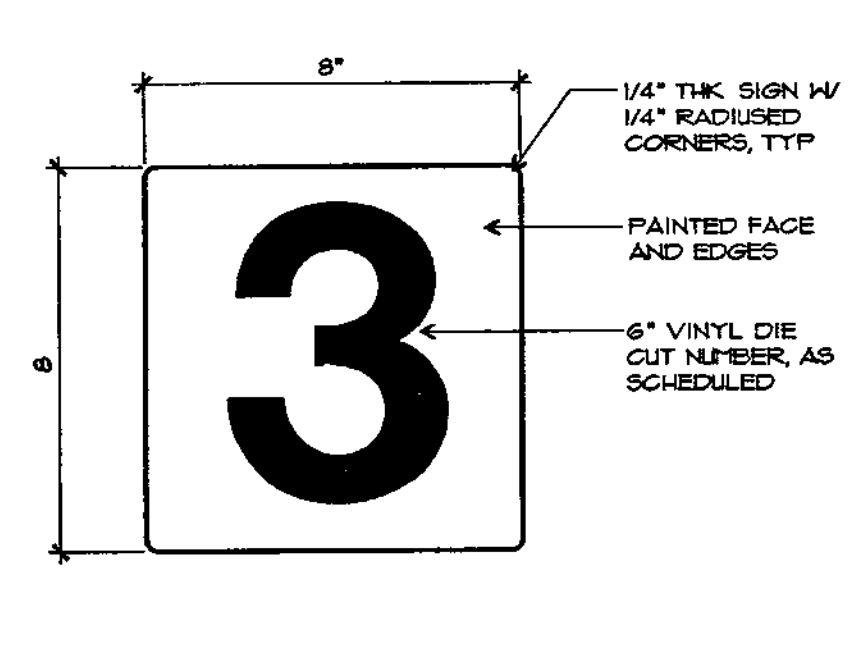
DIRECTIONAL TYPE "N" SIGN
3" = 1'-0" * DOUBLE SIDED



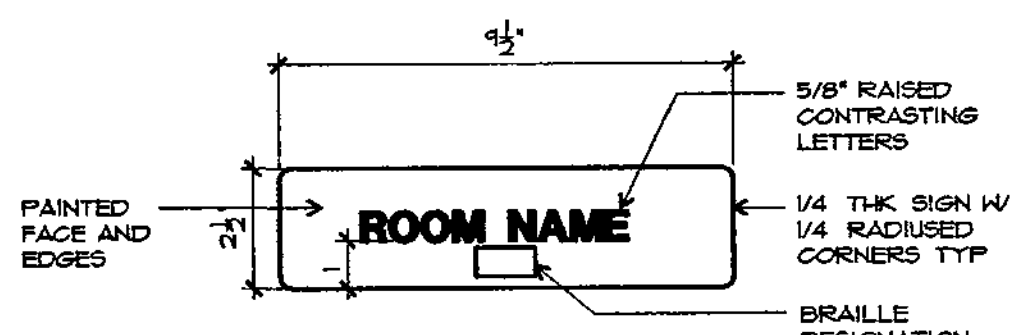
DIRECTIONAL TYPE "O" SIGN
3" = 1-0 * DOUBLE SIDED



DEPARTMENT DIRECTORY TYPE "R"
1-1/2" = 1'-0" SINGLE SIDED



TYPE "L" SIGN
3" = 1'-0"



TYPE "F" SIGN
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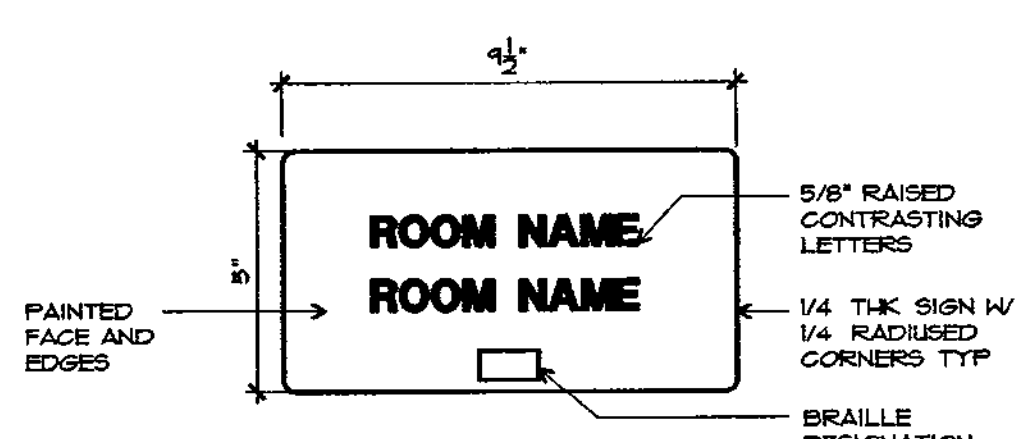
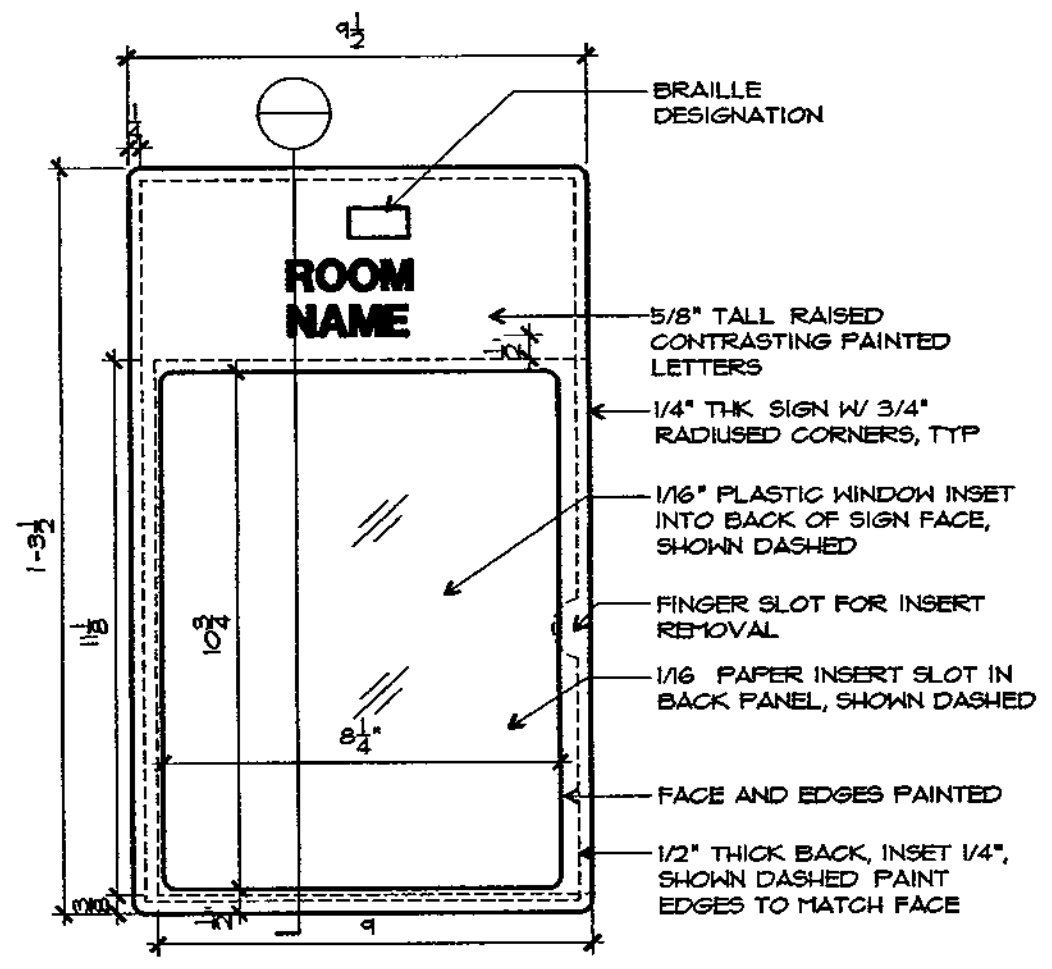
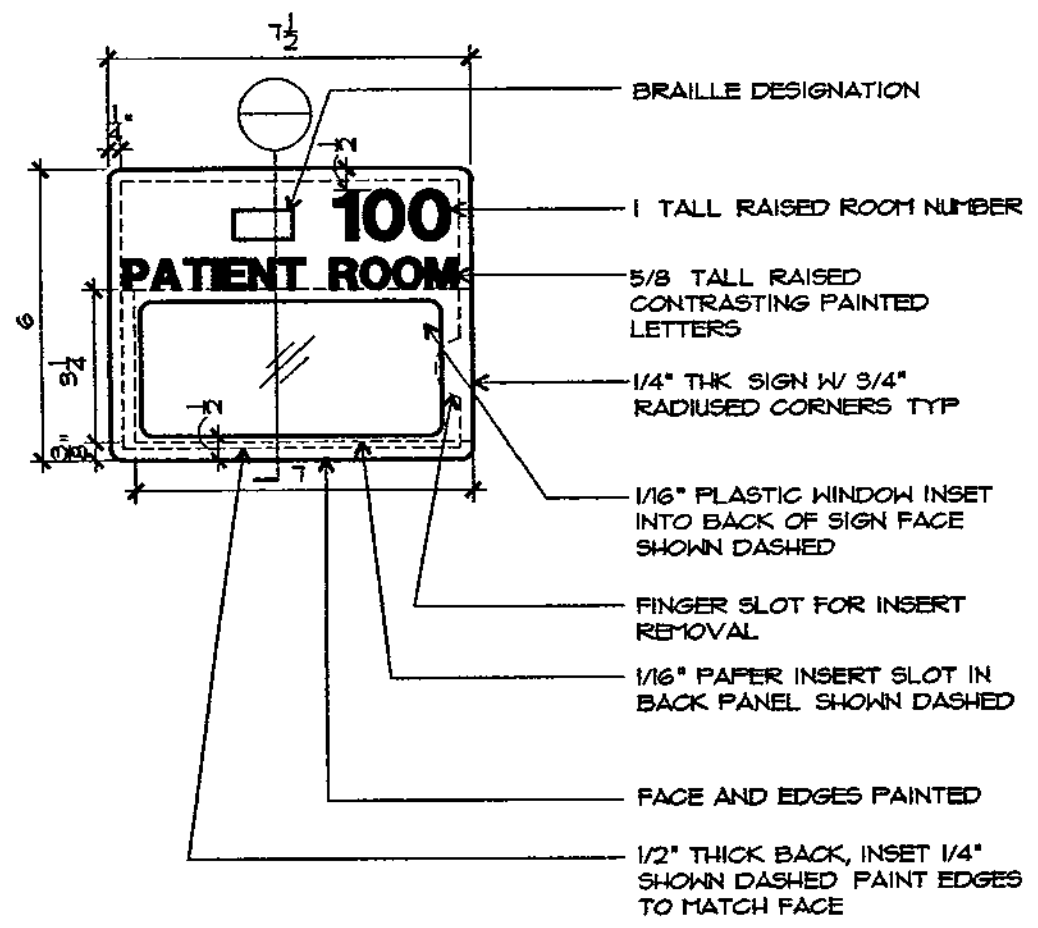


TYPE "F.1" SIGN
3" = 1'-0"



TYPE "C" SIGN
3" = 1'-0"

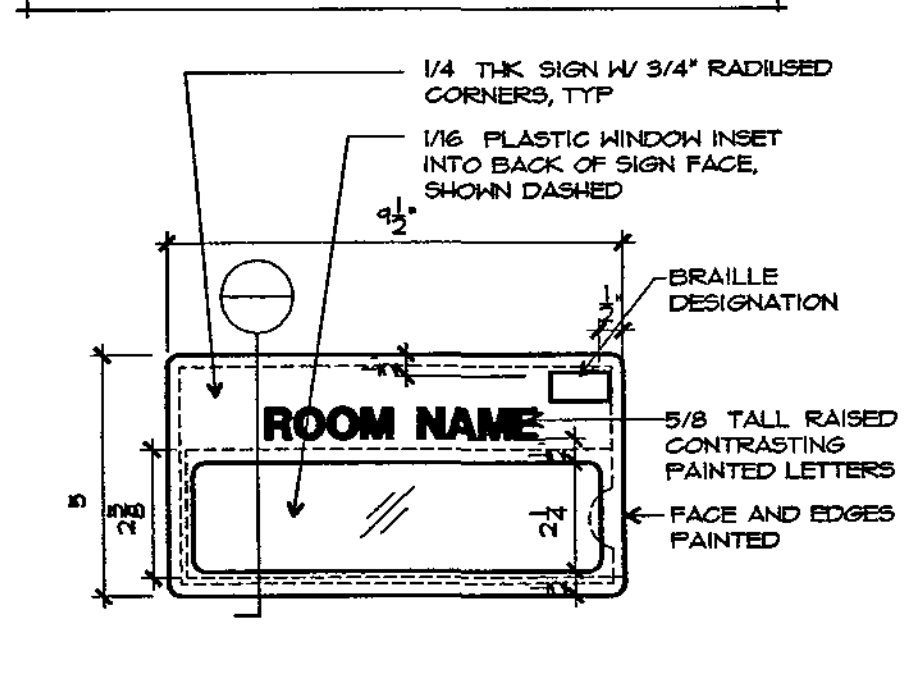
TYPE "C.1" SIGN
3" = 1'-0" GLASS MOUNT



TYPE "B" SIGN
3 = 1-0

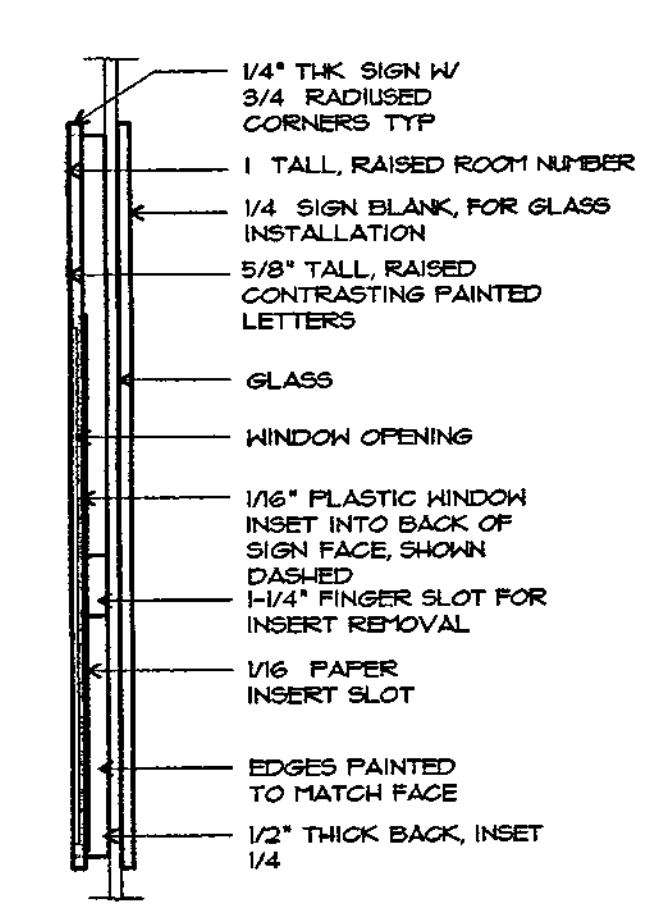
TYPE "B.1" SIGN
3" = 1'-0" GLASS MOUNT

NOTE LOCATE INTERIOR SIGNS 5'-0" AFF TO ℄ OF SIGN AND ON STRIKE SIDE OF DOOR

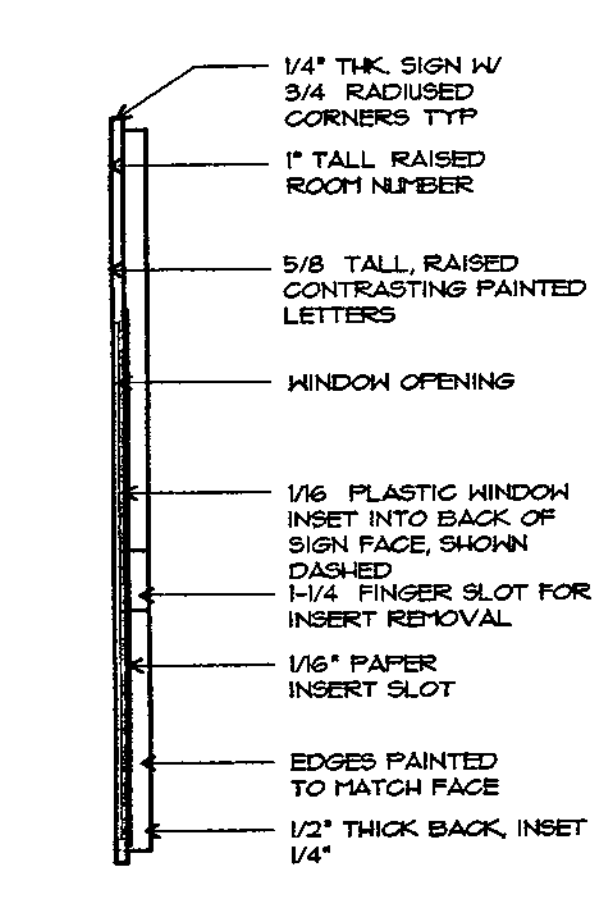


TYPE "A" SIGN
3" = 1-0

TYPE "A.1" SIGN
3 = 1-0" GLASS MOUNT



2 SIGN SECTION
3" = 1-0 GLASS MOUNT



1 SIGN SECTION
3" = 1-0 WALL MOUNT

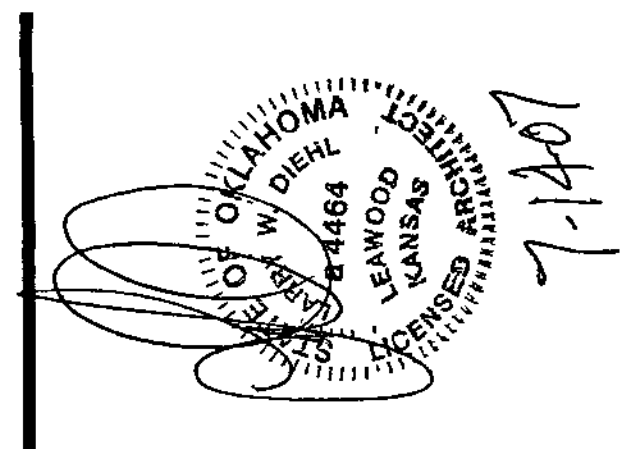
INTERIOR SIGNAGE SCHEDULE

SIGN NUMBER	TEXT COPY	SIGN TYPE	INSTALLATION TYPE	SINGLE FACE	DOUBLE FACE	REMARKS
102	(SEE ELEVATION)	S	WALL	X		
103	GIFT SHOP	F	WALL	X		
104	(PICTOGRAPH)	H	WALL	X		
105	(PICTOGRAPH)	G	WALL	X		
106	CHAPEL	F	WALL	X		
107	RESPIRATORY THERAPY	F 1	WALL	X		
108	SOILED UTILITY	F 1	WALL	X		
110	(PICTOGRAPH)	D	WALL	X		
112	ELECTRICAL CLOSET	F 1	WALL	X		
113	NURSE REPORT	F 1	WALL	X		
114	PATIENT ROOM	B	WALL	X		
116	PATIENT ROOM	B	WALL	X		
119	PATIENT ROOM	B	WALL	X		
119	JANITOR CLOSET	F 1	WALL	X		
120	PATIENT ROOM	B	WALL	X		
123	PATIENT ROOM	B	WALL	X		
124	PATIENT ROOM	B	WALL	X		
127	PATIENT ROOM	B	WALL	X		
128	PATIENT ROOM	B	WALL	X		
130	▲In-Patient Nursing Unit	O	CEILING	X		
132	PATIENT ROOM	B	WALL	X		
133	PATIENT ROOM	B	WALL	X		
136	PATIENT ROOM	B	WALL	X		
137	PATIENT ROOM	B	WALL	X		
140	PATIENT ROOM	B	WALL	X		
141	PATIENT ROOM	B	WALL	X		
144	PATIENT ROOM	B	WALL	X		
145	ACTIVITY ROOM	F 1	WALL	X		
146	SALON	F	WALL	X		
147	PHARMACY	F	WALL	X		
148	ISOLATION	B	WALL	X		
151	PATIENT ROOM	B	WALL	X		
152	PATIENT ROOM	B	WALL	X		
155	PATIENT ROOM	B	WALL	X		
156	PATIENT ROOM	B	WALL	X		
159	PATIENT ROOM	B	WALL	X		
160	PATIENT ROOM	B	WALL	X		
163	PATIENT ROOM	B	WALL	X		
164	PATIENT ROOM	B	WALL	X		
167	PATIENT ROOM	B	WALL	X		
169	PATIENT ROOM	B	WALL	X		
172	PATIENT ROOM	B	WALL	X		
173	PATIENT ROOM	B	WALL	X		
176	PATIENT ROOM	B	WALL	X		
177	PATIENT ROOM	B	WALL	X		
180	PATIENT ROOM	B	WALL	X		
181	PATIENT ROOM	B	WALL	X		
184	PATIENT ROOM	B	WALL	X		
185	(PICTOGRAPH)	D	WALL	X		
186	MEDICAL SURGERY OBSERVATION	F 1	WALL	X		
187	ELECTRICAL CLOSET	F 1	WALL	X		
190	NOURISHMENT CLEAN UTILITY	F 1	WALL	X		
192	MEDICATIONS	F	WALL	X		
193	INFECTION CONTROL	F 1	WALL	X		
194	DOCTORS DICTATION	F 1	WALL	X		
195	WAITING ROOM	F	WALL	X		
199	TRIAGE ROOM	F	WALL	X		
200	TRAUMA ROOM	F	GLASS	X		
201	EXAM ROOM	B	WALL	X		
202	(PICTOGRAPH)	I	WALL	X		
203	CLEAN UTILITY	F	WALL	X		
204	EXAM ROOM	B	WALL	X		
205	SOILED UTILITY	F	DOOR	X		
207	DECONTAMINATION SHOWER	F 1	WALL	X		
208	(SEE ELEVATION)	Q	WALL	X		
209	WATER SURVICE	F 1	WALL	X		
210	STORAGE	F	WALL	X		
211	3	L	WALL	X		
212	2	L	WALL	X		
213	1	L	WALL	X		
214	(PICTOGRAPH)	D	DOOR	X		
215	PHYSICAL THERAPY	F 1	GLASS	X		
219	TECHNICIAN	F	WALL	X		
220	OFFICE	A	DOOR	X		
245	(PICTOGRAPH)	D	DOOR	X		
246	OFFICE	A	WALL	X		
249	LAB/ OFFICE	F 1	GLASS	X		
251	READING	F	WALL	X		
252	Radiology▶	O	CEILING	X		
253	JANITOR'S CLOSET	F 1	WALL	X		
254	(PICTOGRAPH)	D	WALL	X		
256	C T SCAN	F	WALL	X		
257	ULTRASOUND	F	WALL	X		
258	(PICTOGRAPH)	O	WALL	X		
260	ELECTRICAL CLOSET	F 1	WALL	X		
261	DOCTOR'S SLEEP ROOM	F 1	WALL	X		
263	(PICTOGRAPH)	E	WALL	X		
267	OFFICE	A	GLASS	X		
268	COMMUNICATIONS ROOM	F 1	WALL	X		
272	PURCHASING ASSISTANCE	F 1	WALL	X		
273	CENTRAL STORAGE	F 1	WALL	X		
274	LAUNDRY	F	WALL	X		
275	COPY	F	WALL	X		
276	BIO-HAZARD WASTE	F 1	WALL	X		
277	MECHANICAL ROOM	F 1	WALL	X		
283	OFFICE	A	WALL	X		
284	JANITOR'S CLOSET	F 1	DOOR	X		
285	(PICTOGRAPH)	H	WALL	X		
286	DRY STORAGE	F	WALL	X		

INTERIOR SIGNAGE SCHEDULE

SIGN NUMBER	TEXT COPY	SIGN TYPE	INSTALLATION TYPE	SINGLE FACE	DOUBLE FACE	REMARKS
400	JANITOR'S CLOSET	F 1	WALL	X		
401	ELECTRICAL CLOSET	F 1	WALL	X		
440	OFFICE	A	WALL	X		
441	OFFICE	A	WALL	X		
442	OFFICE	A	WALL	X		
443	STORAGE	F	WALL	X		
445	HOME HEALTH STORAGE	F 1	WALL	X		
445	OFFICE	A	WALL	X		
446	BUSINESS OFFICE	F	WALL	X		
447	OFFICE	A	WALL	X		
448	SERVER	F	WALL	X		
449	OFFICE	A	WALL	X		
450	OFFICE	A	WALL	X		
451	OFFICE	A	WALL	X		
452	OFFICE	A	WALL	X		
454	BUSINESS/ ADMINISTRATION OFFICE	F 1	WALL	X		
459	OFFICE	A	WALL	X		
460	OFFICE	A	WALL	X		
461	OFFICE	A	WALL	X		
462	OFFICE	A	WALL	X		
100A	MAIN ENTRANCE	F	GLASS	X		
100B	(PICTOGRAPH)	I	GLASS	X		
109A	NIGHT ENTRANCE	F 1	GLASS	X		
109B	(PICTOGRAPH)	I	GLASS	X		
130A	LINENS	F	WALL	X		
168A	(SEE ELEVATION)	R	WALL	X		
168B	▲In-Patient Nursing Unit ▲Psychiatric Clinic	N	CEILING	X		
168C (EAST)	▲In-Patient Nursing Unit ▲Psychiatric Clinic Radiology▶	M	CEILING		X	
168C (WEST)	▲Admitting & Business Office ▲Outpatient Clinic 1 & 2 ▲Surgery	M	CEILING		X	
196A (EAST)	Emergency Department▶	O	CEILING		X	
196A (WEST)	◀Emergency Department	O	CEILING		X	
197A	EMERGENCY DEPARTMENT ENTRANCE RING BUZZER AFTER 10:00 P.M.	F 1	GLASS	X		
197B	(PICTOGRAPH)	I	GLASS	X		
208A	NURSE STORAGE	F 1	WALL	X		
208B	GAS STORAGE	F 1	DOOR	X		
221A (NORTH)	▲Admitting & Business Office Lab▶ ▲Cafeteria	M	CEILING		X	
221A (SOUTH)	◀Emergency Department ◀Physical Therapy Surgery▶	M	CEILING		X	
221B (WEST)	▲Emergency Department ▲Physical Therapy ▲Radiology	M	CEILING	X		
242A	WAITING ROOM	F	WALL	X		
244A	SPECIMEN	F	WALL	X		
244B	SPECIMEN	F	WALL	X		
246A	STORAGE	F	WALL	X		
247A	RADIOGRAPHY	F	WALL	X		
248A	(PICTOGRAPH)	D	WALL	X		
248B	(PICTOGRAPH)	D	WALL	X		
255A	CONTROL ROOM	F 1	WALL	X		
255B	CONTROL ROOM	F 1	WALL	X		
264A	LAB	F	WALL	X		
264B	LAB	F	WALL	X		
264C	LAB	F	WALL	X		
266A	MEDICAL RECORDS	F 1	WALL	X		
266B	MEDICAL RECORDS	F 1	WALL	X		
269A	WORK	F	WALL	X		
269B	WORK	F	WALL	X		
270A	ADMITTING & INFORMATION	F	WALL	X		
270B	ADMITTING & INFORMATION	C	WALL	X		
270C	ADMITTING & INFORMATION	C	WALL	X		
271A	CLEAN UTILITY	F 1	WALL	X		
271B	CLEAN UTILITY	F 1	WALL	X		
278A	ELECTRICAL ROOM	F 1	WALL	X		
278B	ELECTRICAL ROOM	F 1	WALL	X		
279A	DINING ROOM	F	GLASS	X		
279B	KITCHEN	F	WALL	X		
281A	DISH WASHING	F	WALL	X		
281B	DISH WASHING	F	WALL	X		
282A	KITCHEN	F	WALL	X		
282B	DINING ROOM	F	WALL	X		
288 (WEST)	▲Admitting & Business Office ▲Outpatient Clinic 1 & 2	N	CEILING		X	
402A	CLINIC ADMINISTRATION ENTRANCE	F 1	GLASS	X		
402B	(PICTOGRAPH)	I	GLASS	X		
444A	CONFERENCE ROOM	C	WALL	X		
444B	CONFERENCE ROOM	C	WALL	X		
453A	HOME HEALTH	F	WALL	X		
453B	HOME HEALTH	F	WALL	X		
456A	SOILED HOLDING	F 1	WALL	X		
456B	SOILED HOLDING	F 1	WALL	X		

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07



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SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	g*m
Checked By	

Revisions

Number	Date	Description
1	7/13/07	GMP SET

SIGN 4

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Interior Signage Schedule & Details

GENERAL NOTES - STRUCTURAL

1 The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies inconsistences or difficulties affecting the work before proceeding

2 The contractor shall coordinate all disciplines verifying size and location of all openings whether shown on structural drawings or not as called for on architectural mechanical or electrical drawings All conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.

3 All design and construction work for this project shall conform to the requirements of the 2003 IBC as amended by the City of Sayre Oklahoma

4 These drawings are for this specific project and no other use is authorized

5 Structural Design Load Criteria

A Roof 30 psf (plus snow drift)
B Lateral loads
1.) Wind V = 90 mph exposure B
2.) Seismic = Ss = 0.206 S1 = 0.062
Site classification D (assumed)
Seismic design category C
C This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2003 International Building Code

6 Concrete

A All concrete except exterior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days but not less than 550 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.5 gallons of water per 100 pounds of cement and not over 4 inches of slump
B Concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days with not less than 560 pounds of cement per cubic yard of concrete not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment and a maximum of 4 inches of slump
C The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
D The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced
E All concrete is reinforced concrete unless specifically called out as unreinforced Reinforce all concrete not otherwise shown with same steel as in similar sections or areas Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions
F Control joints in dirt formed slab to be as shown on plans Where not shown limit controlled areas to not more than 225 square feet or 15 feet on any side
G Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement
H Construction joints in beams slabs and grade beams shall occur at midspan (middle third) unless noted otherwise Provide 2 x 4 horizontal keys at construction joints for shear transfer
I No aluminum items shall be embedded in any concrete

7 Reinforcing Steel

A All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185
B Clear minimum coverage of concrete over reinforcing steel shall be as follows

Concrete placed against earth	3
Formed concrete against earth	2
Slabs	1"
Beams or Columns	1-1/2"
Other	2"

All coverage shall be nominal bar diameter minimum
C All dowels shall be the same size and spacing as adjoining main bars (splice lap 40 bar diameters or 24 minimum unless noted otherwise)
D At corners of all walls beams and grade beams supply corner bars (minimum 2-0 in each direction or 40 bar diameters) in outside face of wall matching size and spacing of horizontal bars Where there are no vertical bars in outside face of wall supply 3 - #4 vertical support bars for corner bars
E Bars marked continuous and all vertical steel shall be lapped 40 bar diameters (2-0" minimum) at splices and embedments unless shown otherwise Splice top bars near midspan and splice bottom bars over supports unless noted otherwise
F At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 80 diameters long) at each of four sides and add 2 - #5 x 5-0 diagonally at each of four corners of hole Openings in 8 thick walls are reinforced similar but with 1 - #5 instead of 2 - #5, respectively
G Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook Maximum accessory spacing shall be 4'-0 on center and all accessories on exposed surfaces are to have plastic coated feet
H All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12 on center each way All exterior porches and stoops not otherwise detailed may be constructed in any standard manner solid or hollow, but must be reinforced with #4 bars at 12 on center each way minimum Porches shall be doweled to adjacent walls or grade beams with #4 bars at 12" on center hooked or embedded 40 diameters into both members Slope porches 1/8 per foot for drainage unless noted otherwise
I Allow 1 ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions (labor for placing same to be included)

8 Structural Steel

A All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel Hollow Structural Sections (HSS) shall be ASTM A500 grade B Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual
B All welding shall conform to the recommendations of the AWS
C All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N) All bolts shall be fully pretensioned All beam connections shall be designed per the AISC Manual of Steel Construction "Framed Beam Connections for the indicated reactions or at least 0.4 x beam total shear capacity shown in the allowable uniform load tables whichever is greater and, shall account for eccentricity when the bolt line is more than 2 from the center of the support All connections must be two bolt minimum Connection design and shop drawing preparation shall be completed under the direct supervision of a professional engineer licensed in the State of KS and shop drawings and connection calculations shall bear his seal
D All anchor bolts shall be 3/4 diameter ASTM F1554 Grade 36 unless noted otherwise
E Design, fabrication and erection of all open-web bar joists shall comply with the recommendations of the Steel Joist Institute (SJI)
F All K-series joists shall bear 2-1/2 minimum on structural steel beams and be welded to the beams with 1 of 3/16" fillet weld each side (minimum)
G All K-series joists bearing on masonry walls shall have 6" x 3/16 x 6 bearing plates welded to bulbtees set in bond beams with 1" of 3/16 fillet weld each side (minimum) Bearing plates shall be located not more than 1/2" from the face of the wall on the bearing side Joists shall bear 4" minimum on bearing plates and be welded to beams or bearing plates with 1 of 3/16 fillet weld each side (minimum)
H All steel joists shall have horizontal bar or angle bridging per Steel Joist Institute Specifications Provide rigid x-bridging in addition to and matching horizontal bridging where joists are discontinuous unless horizontal bridging is anchored to wall top and bottom Joist sweep allowance shall comply with AISC Standard Practice
I All openings in steel joist roof to have 3 x 3 x 1/4 angle frame set between joists Support mechanical equipment with 4 x 4 x 5/16" angles laid between joists framed to 4 x 4 x 5/16 angles (length equals mechanical unit dimension plus distance each end to next panel point) laid parallel to and welded to top and/or bottom cord of joists to distribute load to joist panel points
J All steel joists shall have a midspan camber approximately equal to that recommended by the Steel Joist Institute Specifications
K Design and installation of steel decking shall comply with the recommendations of the Steel Deck Institute (SDI) All decking shall be galvanized unless noted otherwise
L Allow 1 ton of miscellaneous steel to be used as directed in the field by the project structural engineer (This item to include detailing, fabrication, delivery and erection.)

9 Foundations

A Spread footings grade beams and retaining walls are designed to bear on engineered fill or undisturbed soil capable of safely sustaining 2500 psf based on report from Terracon
B Contractor shall provide for dewatering at excavations from either surface water or seepage
C All foundation excavations shall be inspected by a qualified soil engineer approved by the architect and/or structural engineer prior to placement of steel or concrete This inspection shall be at the owner's expense
D All concrete in the structural portion retaining the backfill shall have attained its design strength prior to being backfilled
E Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed If subgrade materials become desiccated or softened by water or other conditions recompact materials to the density and water content specified for engineered fill Do not place concrete on frozen ground

10 Precast Concrete Members

A. The contractor/supplier is responsible for the design of all the precast members and connection between them and other structural members Submit design calculations sealed by an engineer licensed in the state of Kansas for review by architect/structural engineer
B All precast concrete members are to be designed in accordance with ACI 318-02 2003 IBC and other applicable codes standards (see specs) and design criteria shown on design documents
C Precast concrete members shall conform to the 2003 IBC for the required fire ratings (refer to architects documents)
D All wall panels should be designed for building wind loads earthquake loads vertical loads and transmit these loads to the foundation through properly designed connections
E Provide blockouts and openings for mechanical/electrical equipment Refer to mechanical/electrical documents
F All embed plates shall be galvanized and finished painted (refer to architectural drawings)
G Shop drawings shall be complete and shall include a layout plan, fabrication details estimated camber connection and anchorage details and member identification marks Identification marks shall appear on manufactured units to facilitate correct field placement

11 Concrete Block Masonry

A. Concrete block used in exterior walls or load bearing walls shall meet the requirements of ASTM C90 and have a minimum net compressive strength of 1900 psi and laid up using type N mortar such that f'm equals 1350 psi Any block in contact with earth shall be normal weight units, laid using type S mortar and grouted solid
B The contractor shall provide adequate temporary bracing for all masonry walls during construction.
C All concrete block shall have 9 gage (or larger) horizontal joint reinforcing (ladder or truss) per architectural drawings and specifications (8 maximum vertical spacing)
D Cavity wall construction shall be reinforced as designed for specific concrete block used The horizontal joint reinforcing shall be of the ladder or truss style per specification and continuous between brick and block, as prescribed by architectural drawings
E Concrete block shall be reinforced as follows in 6 8 10", and 12" walls
1.) Vertical reinforcing shall be a minimum of 1 - #5 bar in 6" and 8 walls and 2 - #5 bars in 10 and 12 walls at 4-0 on center at each corner at each door and window jamb each side of control joints and in the end void of each length of wall. Lap splices for masonry vertical reinforcing shall be 48 bar diameters or 24 minimum
2.) Horizontal reinforcing
A.) Horizontal joint reinforcing as noted above
B.) Continuous horizontal bars shall be include per section or detail in bond beam or optional running bond beam where noted. Where bond beams are continuous at corners of walls supply corner bars matching size of horizontal bars (minimum 2-0 or 40 bar diameters in each direction)
F Grout, where noted above shall have a minimum design ultimate compressive strength of 2500 psi at 28 day test and 3/8" maximum aggregate size
G Non-load bearing concrete block walls shall be isolated from adjacent structural elements with vertical 3/8 control joints and at the top of the wall with 1 air space or compressible material and support per architectural detail
H Unless otherwise covered on architectural plans or specifications, vertical control joints in masonry construction shall be 3/8 wide, full height of wall Joints shall be spaced at a maximum of 24-0" on center and coordinated with the architect All horizontal joint reinforcing shall be discontinuous at control joints in masonry All bond beam horizontal reinforcing shall be continuous through control joints
I Lintel over all openings in walls not otherwise covered shall be one 5 x 3-1/2 x 5/16 angle for each 4 of masonry All exterior lintels to be galvanized
J Walls shall be anchored top and bottom by dowels matching wall vertical reinforcing (unless noted otherwise) from floor slab bottom and bracing angles at the top per details on the drawings

12 Light Gage Structural Stud Framing

A All load bearing, light gage structural studs track, and bridging shall be of the type, size, gage and spacing as shown on the plans
B All materials shall be 33,000 psi minimum yield except studs of 16 gage or heavier shall have a minimum yield of 40,000 psi
C All properties fabrication and erection shall be in accordance with latest editions of the AISI "Specifications for the Design of Cold-Formed Structural Members"
D All framing components shall be cut squarely or at an angle to fit squarely against abutting members Splicing of axially loaded members is not permitted Members shall be held firmly in place until properly fastened Attachments of similar components shall be by welding, screw attachment or bolting Wire tying of components is not permitted
E Tracks shall be securely anchored to floor and overhead members Special anchorage requirements required for wind bracing shall be as shown on the plans
F Prior to fabrication and/or erection, the contractor shall submit shop drawings complete with detail of erection fabrication attachments anchorages lintels, etc., for review by the architect/engineer

13 Timber and Wood Framing

A Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2003 IBC code
B Joists studs and truss members shall conform to Group I (Douglas Fir or Southern Pine) visually graded lumber with an allowable fiber stress in bending of 1,050 psi minimum and an elastic modulus of 1,500,000 psi
C Bridging of stud bearing walls and shear walls shall be solid, matching sheathing joints
D Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps Spacing, in any case shall not exceed 8-0"
E Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.9.1 of the 2003 International Building Code Floor sheathing shall be APA rated tongue and groove Sturd-I-Floor exposure 1 glued and nailed with 8d ring shank nails or # 10 screws at 12 on center to all supports Sheathing of shear walls or roof diaphragms shall be edge nailed with 8d common nails at 6" on center and nailed to intermediate framing and/or blocking members with 8d common nails at 12" on center unless otherwise noted on the drawings
F Sill plates shall be bolted to concrete walls or steel beams with 1/2" diameter bolts at 32" on center Plates in direct contact with concrete or masonry shall be treated lumber
G Service condition - dry with moisture content at or below 19% in service
H. Pre-engineered wood trusses shall be designed in accordance with the Truss Plate Institute's national design standard for metal-plate connected wood truss construction (ANSI/TPI-1 latest edition) Trusses shall be designed and manufactured by an authorized member of the Wood Truss Council of America (WTCA) Truss design shall conform to specified codes allowable stress increases deflection limitations and other applicable criteria of the governing code
I Shop drawings showing complete erection and fabrication details and calculations (including connections) shall be submitted to the project architect / engineer for review prior to fabrication and/or erection Such drawings shall bear the seal of a professional engineer registered in the state of the project location Shop drawings shall also be submitted to the local government controlling agency when requested by that agency
J All trusses shall be securely braced both during erection and permanently, as indicated on the approved truss design drawings and in accordance with TPI's commentary and recommendations for handling, installing and bracing metal-plate connected wood trusses (HIB-91 booklet) and the latest edition of ANSI/TPI-1
K The truss manufacturer shall supply all hardware and fasteners for joining truss members together and fastening truss members to their supports Metal connector plates shall be manufactured by a member of the Wood Truss Council of America (WTCA) and shall be 20 gauge minimum Connector plates shall meet or exceed ASTM A653 grade 33 with ASTM A924 galvanized coating designation G60
L Shipment handling, and erection of trusses shall be by experienced, qualified persons and shall be performed in a manner so as not to endanger life or property Apparent truss damage shall be reported to the truss manufacturer for evaluation prior to erection Cutting or alteration of trusses is not permitted

14 Shop Drawing Review

A Bob D Campbell and Company, Inc will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete to be a properly functioning integral element of the overall structural system designed by Bob D Campbell and Company, Inc
B Prior to submittal of a shop drawing or any related material to Bob D Campbell and Company, Inc the GC shall
1) Review each submission for conformance with the means methods techniques sequences and operations of construction and safety precautions and programs incidental thereto all of which are the sole responsibility of the GC
2) Review and approve each submission
3) Stamp each submission as approved
C Bob D Campbell and Company, Inc shall assume that no submission comprises a variation unless the GC advises Bob D Campbell and Company, Inc with written documentation
D Shop drawings and related material (if any) required are indicated below Should Bob D Campbell and Company, Inc require more than ten (10) working days to perform the review, Bob D Campbell and Company, Inc shall so notify the GC
1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement
2) Reinforcing steel shop drawings including erection drawings and bending details Bar list will not be reviewed for correct quantities
3) Structural steel shop drawings including erection drawings and piece details Include joist, decking and connector submittals Include miscellaneous framing specified on the structural drawings but do not submit framing specified on non-structural drawings for Bob D Campbell and Company, Inc review
4) Structural steel connection design calculations
5) Miscellaneous anchors shown on the structural drawings
6) Wood truss design calculations and detailed erection and fabrication drawings Standard stick framing shop drawings need not be submitted
7) Precast concrete shop drawings including erection drawings and connection details
8) Precast concrete connection design calculations
E Bob D Campbell and Company, Inc shall review shop drawings and related materials with comments provided that each submission has met the above requirements Bob D Campbell and Company, Inc shall return without comment unrequired material or submissions without GC approval stamp

15 Structural Special Inspection

A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2003 International Building Code The owner shall employ one or more qualified special inspectors to provide the required special inspections
B Special Inspections shall be required for the items indicated below The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections
1) Placement of Concrete
2) Testing of Concrete
3) Bolts in Concrete
4) Placement of Reinforcing Steel
5) Verification of Soil Bearing Capacities
6) High Strength Bolting
7) Structural Welding
8) Steel Frame Inspection
9) Shop Fabrication of Structural Steel
C The special inspector shall furnish inspection reports to the building official owner architect and structural engineer and any other designated person
D All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority building official and structural engineer
E The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code

16 Copyright and Disclamer

A All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D Campbell and company, Inc These drawings may not be photographed, traced or copies in any manner without the written permission of Bob D Campbell and Company, Inc Exception Original drawings may be printed for distribution to the owner architect and general contractor for coordination bidding, and construction Subcontractors may not reproduce these drawings for any purpose or in any manner
B I Michael J Falbe P.E. registered engineer and a representative of Bob D Campbell and Company, Inc do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings I hereby disclaim responsibility for all other drawings in the construction document package they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package

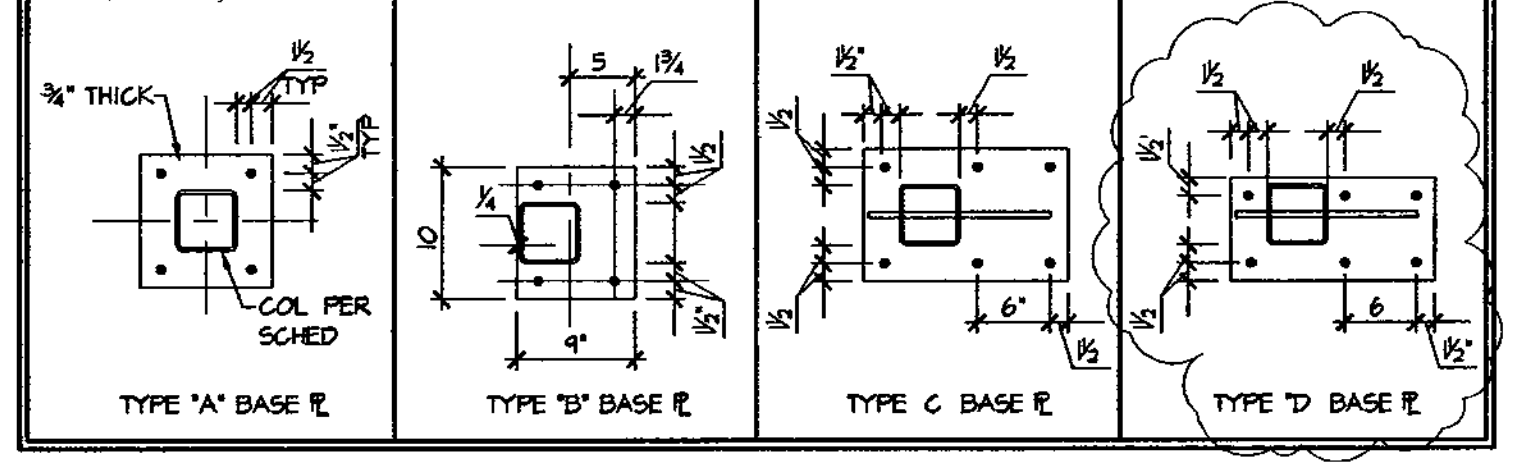
____
Michael J Flabe, P.E

STEEL COLUMN SCHEDULE

FOOTING TYPE	COLUMN SIZE	BASE ℞ CAP ℞ GROUT AND ANCHOR BOLTS	BASE ℞ TYPE
A	HSS 5x5x¼"	11 x¾ x11 BASE ℞ ½ CAP ℞ 1 GROUT & (4) ¾ Φ x1-6 ABs	A
B	HSS 5x5x⁵⁄₁₆"	11"x¾ x11 BASE ℞ ½ CAP ℞ 1 GROUT & (4) ¾ Φ x1-6 ABs	A
C	HSS 5x5x¼"	9 x¾"x11 BASE ℞ ½ CAP ℞ 1" GROUT & (4) ¾"Φ x1'-6" ABs	B
D	HSS 5x5x⁵⁄₁₆	11 x1 x17 BASE ℞ ½ CAP ℞ 1 GROUT & (6) 1"Φ x2-0"Lg THREADED RODS W 3 x3 x¼" ℞ W NUT TOP & BOTTOM	C
E	HSS 6x6x¼"	12"x¾ x12 BASE ℞ ½ CAP ℞ 1" GROUT & (4) ¾"Φ x1-6" ABs	A
F	HSS 8x8x¼"	14 x¾ x14" BASE ℞, ½" CAP ℞, 1" GROUT & (4) ¾ Φ x1-6 ABs	A
G	HSS 7x7x¼"	13"x1"x13" BASE ℞ ½" CAP ℞ 1 GROUT & (6) 1 Φ x2-0 Lg THREADED RODS W 3"x3"x¼ ℞ W NUT TOP & BOTTOM	A
H	HSS 8x8x⅜"	14"x1"x14" BASE ℞, ½" CAP ℞, 1" GROUT & (6) 1 Φ x2-0"Lg THREADED RODS W 3 x3 x¼" ℞ W NUT TOP & BOTTOM	A
J	HSS 5x5x⁵⁄₁₆"	9¾"x1 x17 BASE ℞ ½ CAP ℞ 1" GROUT & (6) 1 Φ x2-0"Lg THREADED RODS W 3 x3 x¼" ℞ W NUT TOP & BOTTOM	D

NOTE
1.) ANCHOR BOLT LENGTH INCLUDES HOOK.
2.) BASE ℞ SHAPES BELOW

BASE ℞ TYPES (NOT TO SCALE)



FOOTING SCHEDULE

FOOTING TYPE	FOOTING SIZE	REINFORCING (½ EA WAY BOT)
3.5A	3'-6"x3-6 x2'-8 Dp	10- #5 x 3'-0"Lg (GR BM REINF TO CONT THRU)
4.0	4-0"x4-0 x18 Dp	14- #4 x 3'-6"Lg
4.0A	4'-0 x4-0"x2'-8"Dp	14- #5 x 3-6 Lg (GR BM REINF TO CONT THRU)
4.5	4'-6"x4-6"x18"Dp	16- #4 x4-0"Lg
4.5A	4-6"x4'-6 x2-8 Dp	16- #5 x 4-0"Lg (GR BM REINF TO CONT THRU)
5.5	5'-6"x5'-6"x18" Dp	20- #5 x 5-0" Lg
5.5A	5-6"x5'-6 x2-8"Dp	20- #5 x 5-0 Lg (GR BM REINF TO CONT THRU)
6.0	6-0"x6-0"x22 Dp	22- #5 x 5'-6" Lg
6.0A	6'-0"x6-0"x2-8" Dp	22- #5 x 5'-6 Lg.
6.5	6-6"x6-6"x22" Dp	24- #5 x 6'-0" Lg
6.5A	6-6 x6'-6"x2-8"Dp	24- #5 x 6'-0"Lg (GR BM REINF. TO CONT THRU)
7.0	7'-0"x7'-0 x24" Dp	28- #5 x 6-6 Lg.
8.0A	8-0 x8-0 x2-8"Dp	30- #5 x 7'-6"Lg (GR BM REINF TO CONT THRU)
9.0A	9-0"x9-0"x2-8 Dp	34- #5 x 8'-6"Lg (GR BM REINF TO CONT THRU)

LOOSE LINTEL SCHEDULE

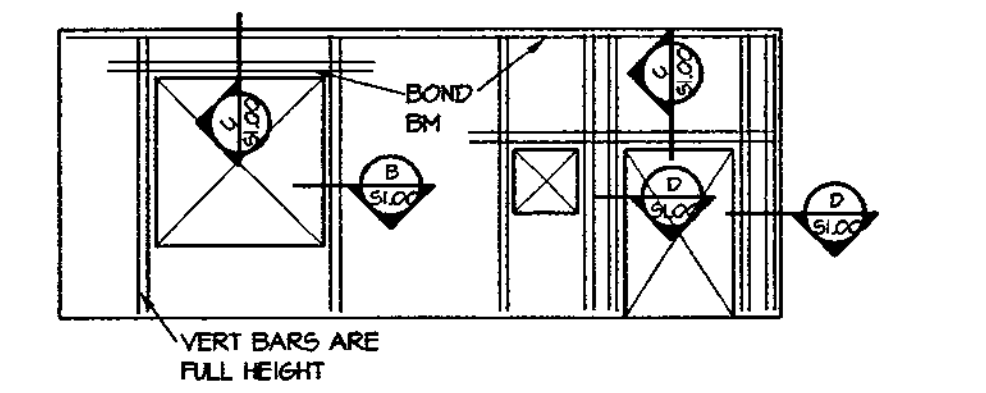
OPENING SIZE	LOOSE LINTEL
0-0 TO 4'-0"	GALV ∠ 3½x3½x⅜
4'-0" TO 6-0"	GALV ∠ 5x3½x⅜
6-0 TO 9-0"	GALV ∠ 6x3½x⅜

NOTE
LINTELS TO BEAR ON 6" MIN. SOUND BRG EA. END

PRE-MANUFACTURED WOOD ROOF TRUSS AND/OR WOOD ROOF STICK FRAMING DESIGN DRAWINGS AND CALCULATIONS SHALL BEAR THE SEAL OF A PROFFESIONAL ENGINEER REGISTERED IN THE STATE OF OKLAHOMA FRAMING AND CONNECTIONS SHALL BE DESIGNED FOR 20 PSF LIVE LOAD APPLIED TO THE TOP CHORD + DRIFT PER THE 2003 IBC + 30 PSF TOTAL DEAD LOAD APPLIED TO THE TOP CHORD + 10 PSF APPLIED TO THE BOTTOM CHORD + FRAMING SELF WEIGHT + WIND LOADS PER THE 2003 IBC LOAD COMBINATIONS SHALL BE PER THE 2003 IBC

NAILING SCHEDULE

CONNECTION	NAILING
1 Joist to sill or girder toenail	3-8d
2 Bridging to joist toenail each end	2-8d
3 Sole plate to joist or blocking, typical face nail	16d at 16" (406 mm) o.c
4 Top plate to stud end nail	2-16d
5 Stud to sole plate	4-8d toenail or 2-16d end nail
6 Double studs face nail	16d at 24 (610 mm) o.c
7 Double top plates, typical face nail	6d at 16 (406 mm) o.c
Double top plates lap splice	8-16d
8 Blocking between joists or rafters to top plate toenail	3-8d
9 Rim joist to top plate toenail	8d at 6" (152 mm) o.c
10 Top plates, laps and intersections, face nail	2-16d
11 Continuous header, two pieces	16d at 16 (406 mm) o.c along each edge
12 Ceiling joists to plate toenail	3-8d
13 Continuous header to stud, toenail	4-8d
14 Ceiling joists laps over partitions face nail	3-16d
15 Ceiling joists to parallel rafters face nail	3-16d
16 Rafter to plate, toenail	3-8d
17 Built-up corner studs	16d at 24" (610 mm) o.c
18 Roof diaphragm (to framing)	8d common nails at 6" panel edges at 12 in field
19 Exterior sheathing	6d nails @7 o.c all panel edges blocked solid @12"o.c in field of panel

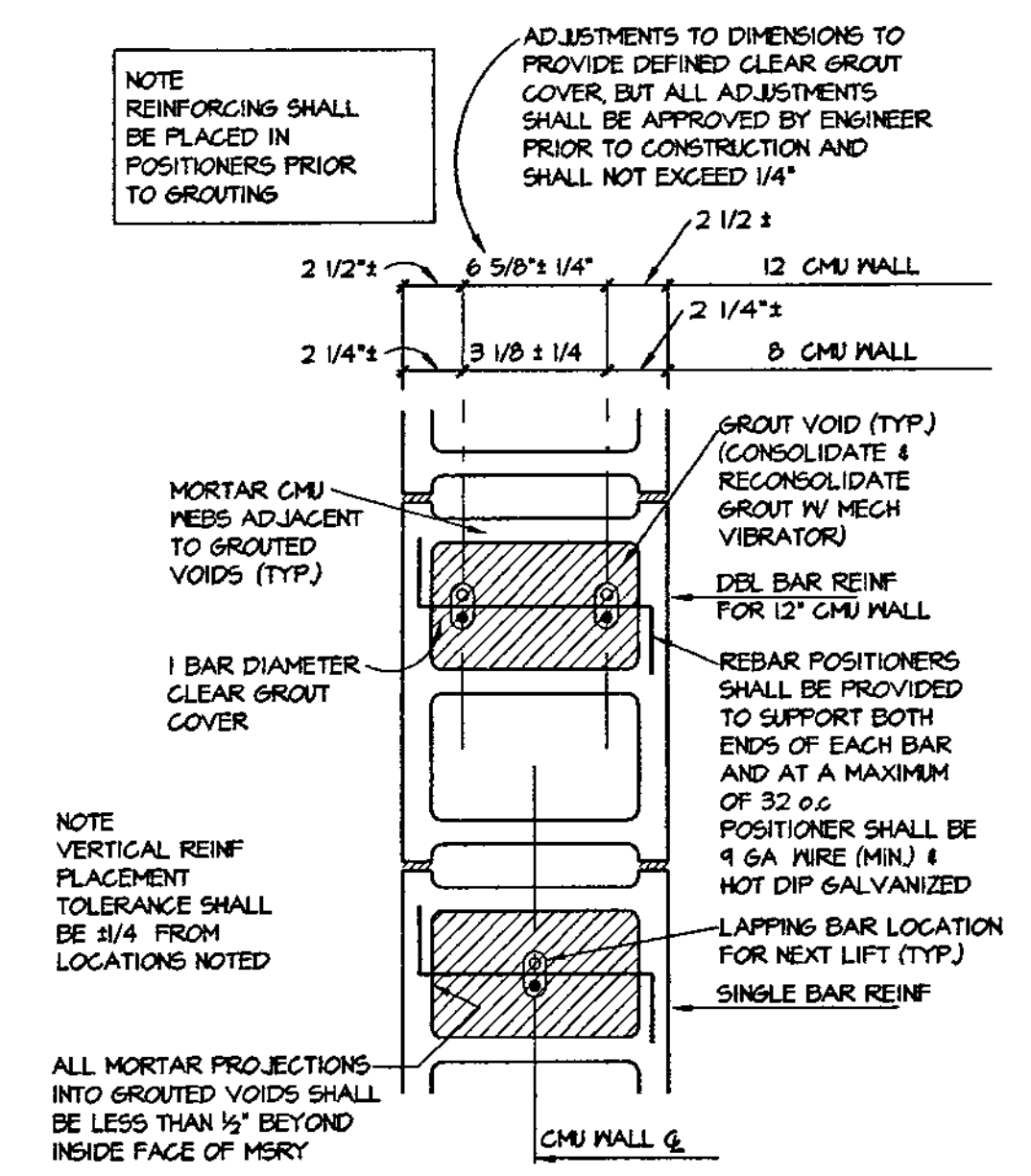


TYPICAL OPENING REINFORCEMENT

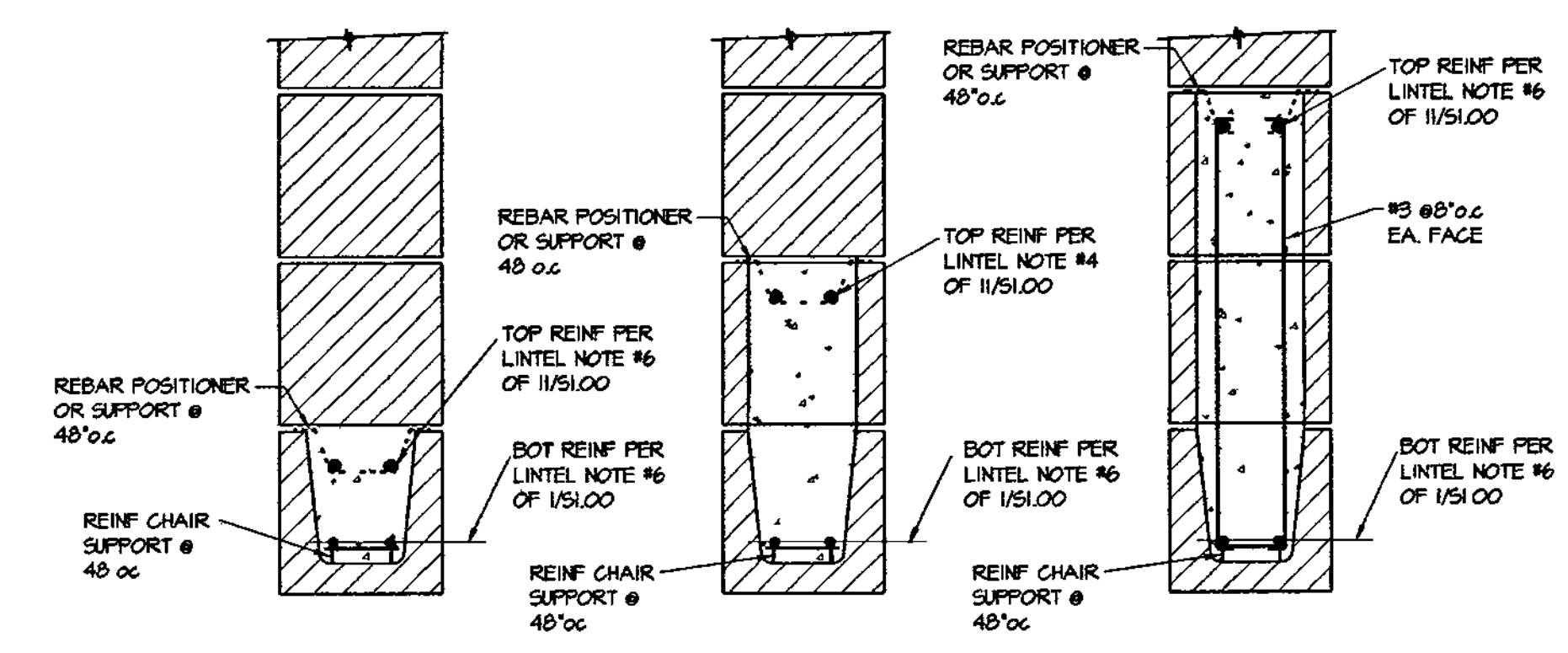
1.) 2-#5 VERT BARS IN 12 and 10 CMU WALLS OR 1-#4 VERT BAR IN 8" CMU WALLS FOR EACH LINE SHOWN ON ELEVATION.
2.) VERTICAL REINFORCING BARS SHOWN SEPARATE ON "TYPICAL OPENING" SHALL BE PLACED IN SEPARATE VOIDS
3.) VERTICAL REINF BARS SHALL BE DOWELED TO FOUNDATION WITH A DOWEL OF MATCHING SIZE AND SPACING
4.) 2#4 HORIZ BARS IN 12" 10", OR 8" CMU WALLS FOR EACH LINE SHOWN ON ELEVATION.
5.) CONTRACTOR SHALL COORDINATE AND VERIFY OPENINGS IN MASONRY WALLS OPENINGS SHALL BE DETAILED ON REINFORCING SHOP DRAWING ELEVATIONS
6.) LINTEL REINFORCING (C/S1)
A.) OPENINGS 4-0" OR LESS WIDE - (2) #4 CONT
B.) OPENINGS BTWN 4-0" & 6-0 WIDE - (2) #5 CONT
C.) OPENINGS BTWN 6-0 & 8-0 WIDE - (2) #6 CONT
D.) OPENINGS BTWN 8-0 & 12-0" WIDE - (2) #6 CONT

"TYPICAL OPENING & COLUMN REINF

CMU WALL ELEVATION (A / S1.00)
NO SCALE

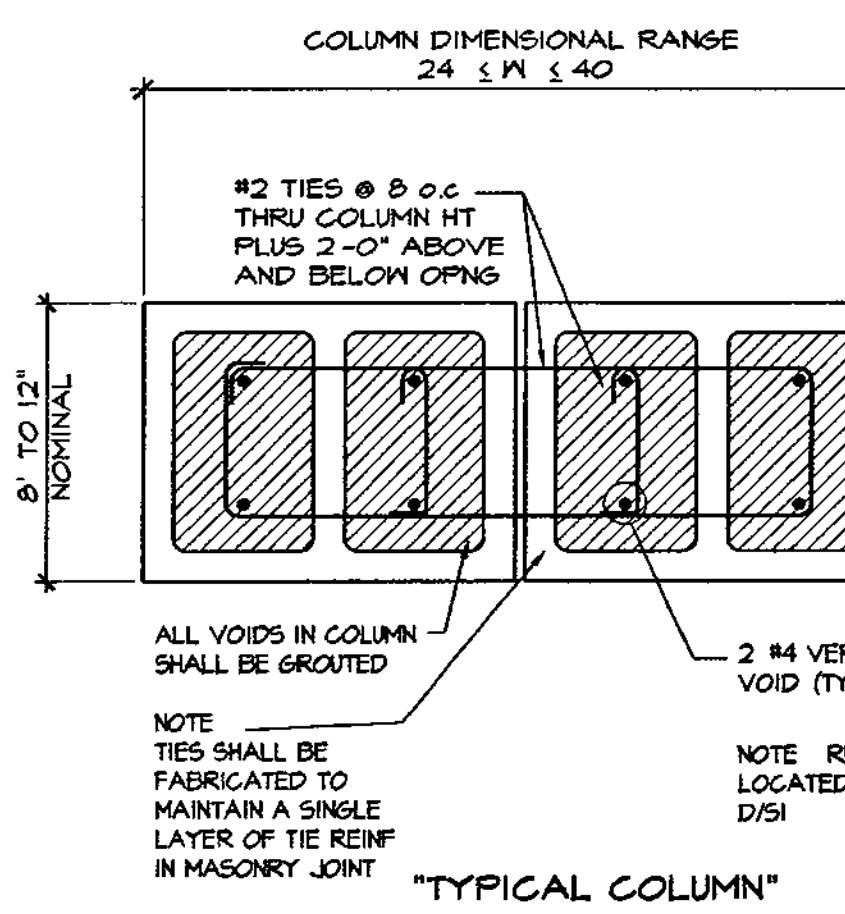


SECTION (B / S1.00)
1½ = 1-0



TYP LINTELS AT ALL CMU WALLS

SECTION (C / S1.00)
1½" = 1-0"



"TYPICAL COLUMN"

SECTION (D / S1.00)
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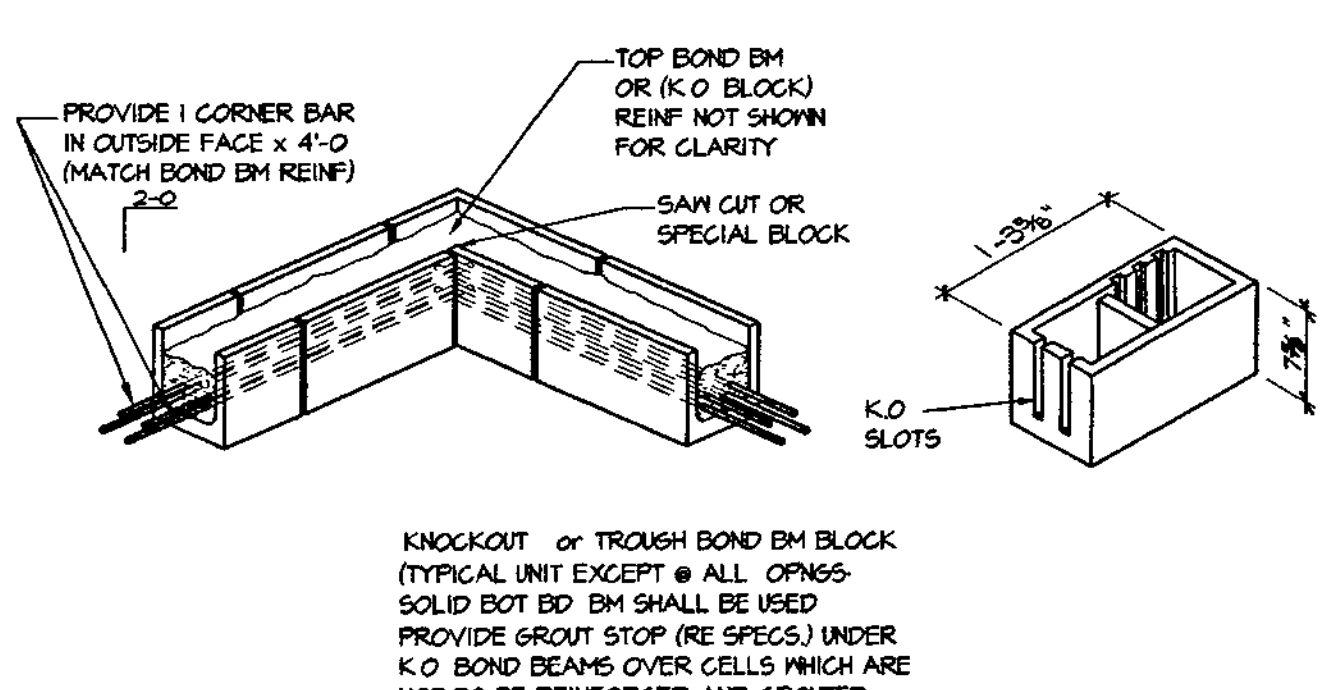
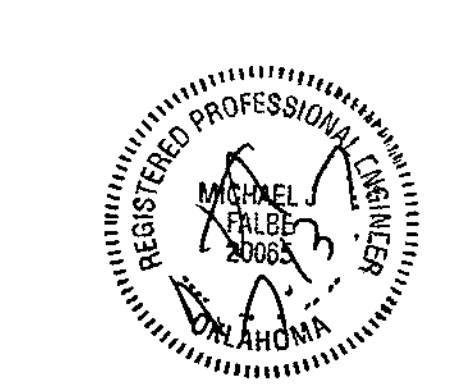


KNOCKOUT or TROUGH BOND BM BLOCK (TYPICAL UNIT EXCEPT @ ALL OPNGS SOLID BOT BD BM SHALL BE USED PROVIDE GROUT STOP (RE SPECS.) UNDER K.O BOND BEAMS OVER CELLS WHICH ARE NOT TO BE REINFORCED AND GROUTED

DETAIL (E / S1.00)
¾ = 1-0

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07



ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS
11477 Olde Cabin Rd St Louis MO 63141
11229 Nall Suite 140 Leawood KS 66211 913 338 2300 913 338 2003 fax
1421 E 104 St Kansas City MO 64131

Bredson and Associates Inc
Mechanical Electrical, Plumbing Consulting Engineers
8511 Hillcrest, Suite 100 Kansas City Mo 64138 816 356 6569

Bob D Cambell & Co
Structural Engineers
4338 Belleview Kansas City Mo 64111 816 531 4144

SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	BEF / GED
Checked By	MJF

Revisions

Number	Date	Description
3	7/13/07	GMP SET

S1.00

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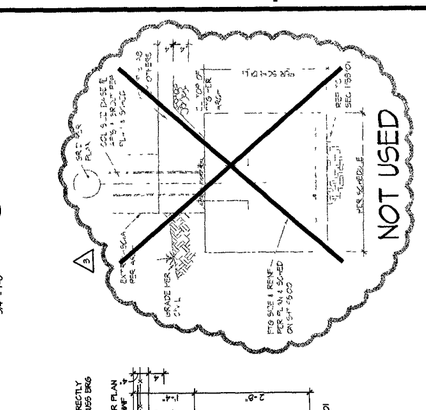
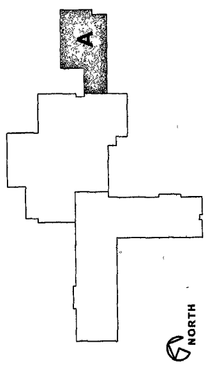
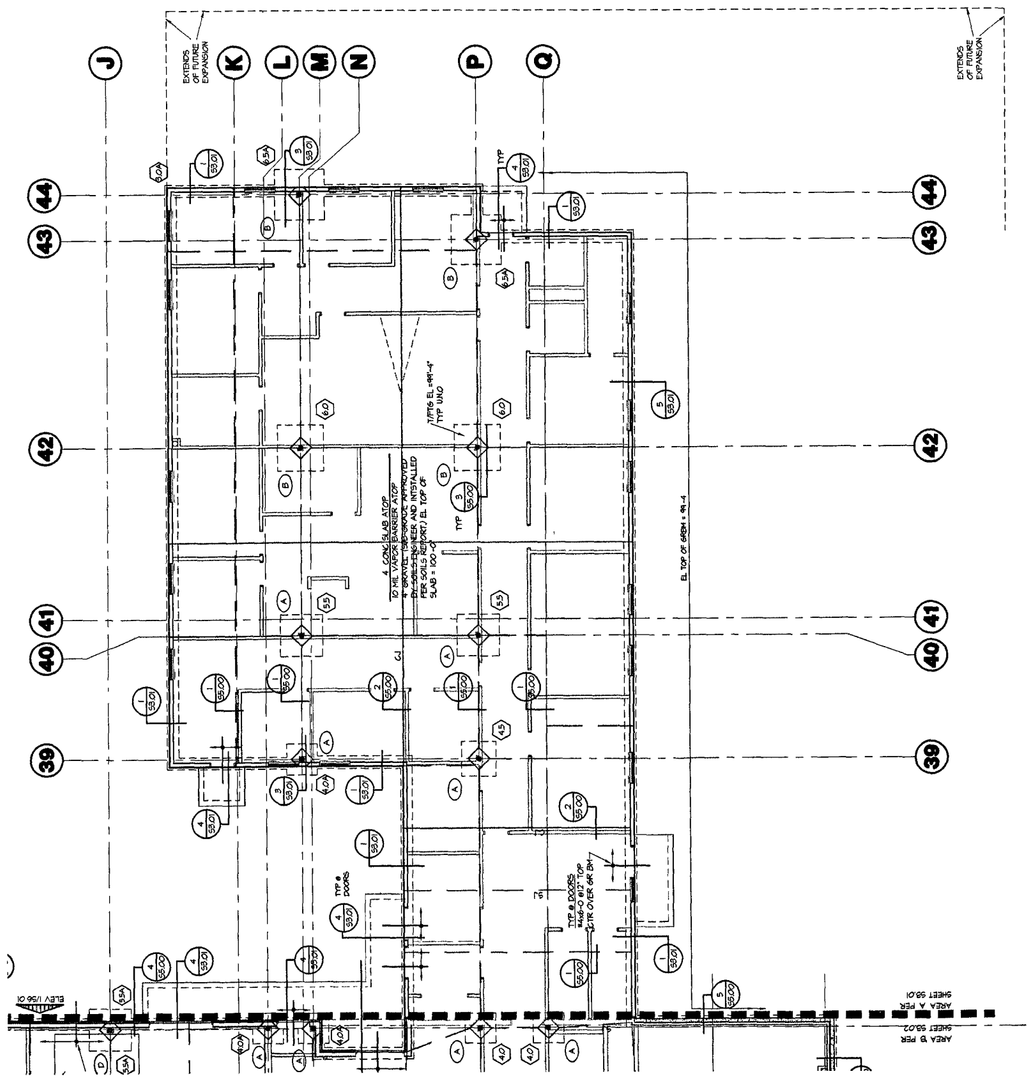
General Notes/Schedules & CMU Sections

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07



ALTERNATE NO. 12
NOT USED





AREA "A"
FOUNDATION and GROUND FLOOR PLAN

1/8" = 1'-0"

NOTES:
1) REFER TO GENERAL NOTES ON SHEET S1.00
2) REFER TO COLUMN SCHEDULE ON SHEET S1.00
3) REFER TO FOOTING SCHEDULE ON SHEET S4.00

TRUE NORTH PLAN NORTH

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Kansas City, MO 64131

Date	June 29, 2007
Job Number	4-06003 00
Drawn By	BEP / GED
Checked By	MJF

Revisions Number	Date	Description
1	7/13/07	64P SET

S3.01

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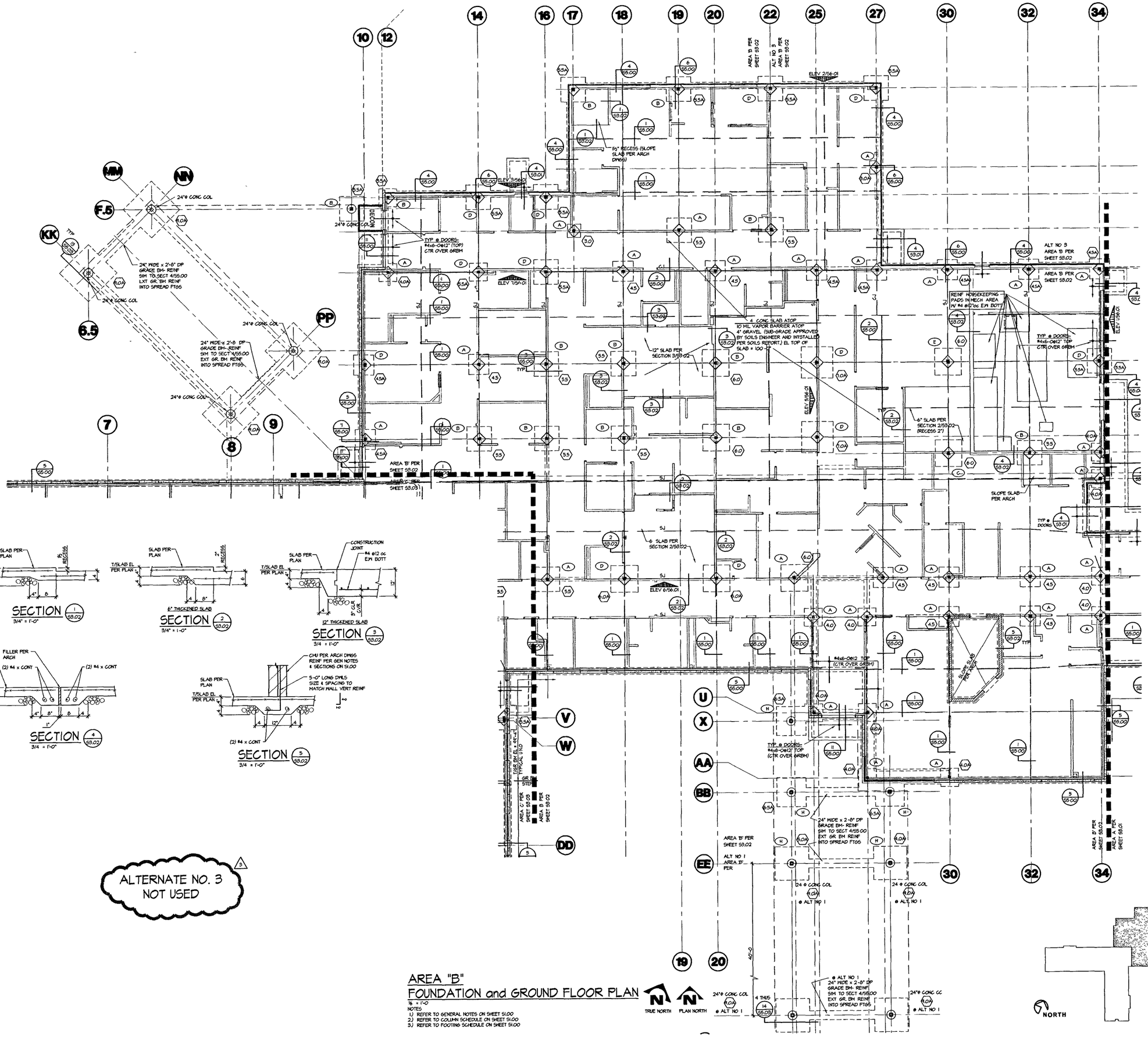
Foundation Plan - Areas 'A' and 'A1'



AREA "B"
FOUNDATION and GROUND FLOOR PLAN

1/8" = 1'-0"

NOTES
1.) REFER TO GENERAL NOTES ON SHEET S1.00
2.) REFER TO COLUMN SCHEDULE ON SHEET S1.00
3.) REFER TO FOOTING SCHEDULE ON SHEET S1.00

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SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
Drawn By	BEF / GED
Checked By	MJF

Revisions

Number	Date	Description
3	7/13/07	GMP SET

S3.02

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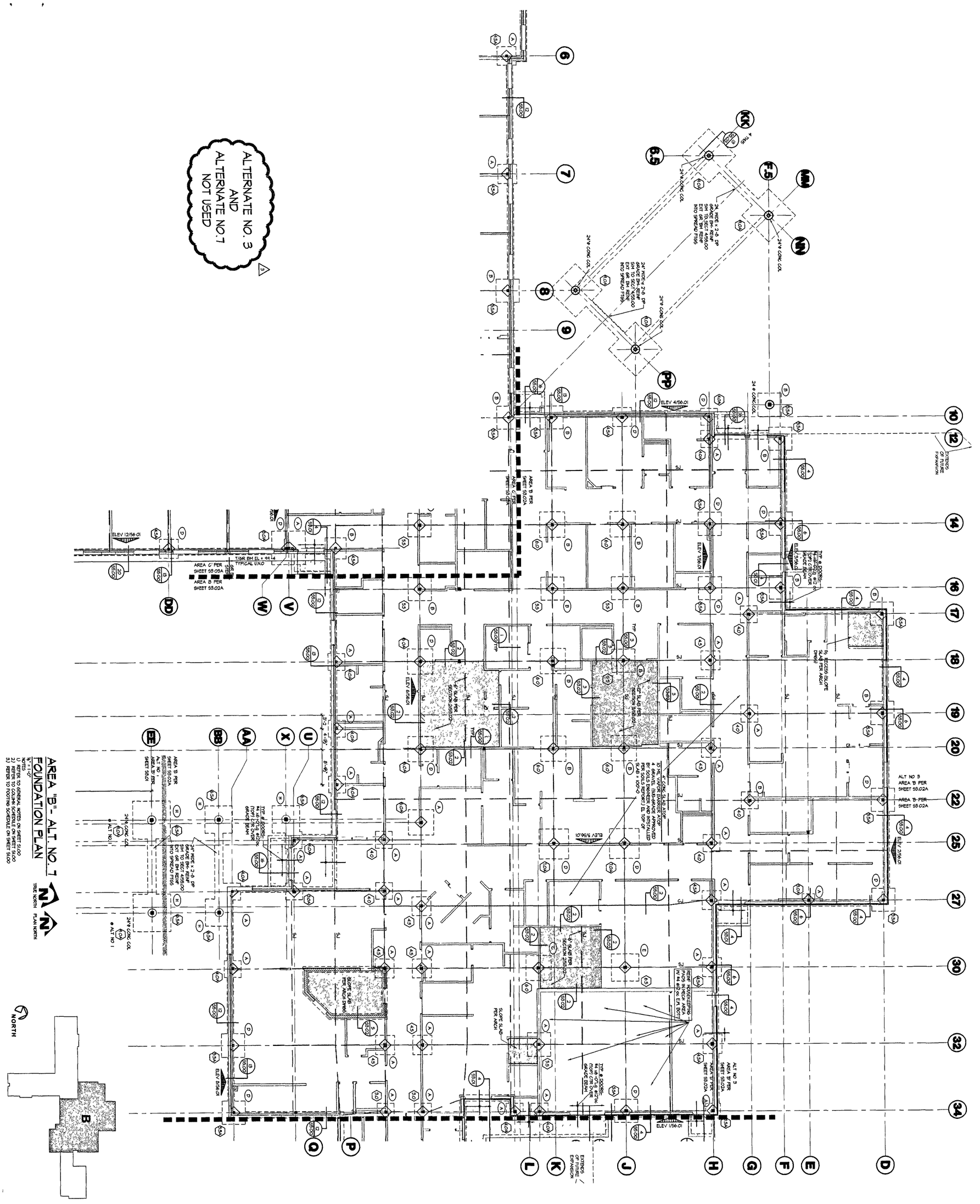
Foundation Plan - Areas "B" & "B1"



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date June 29 2007
Job Number 4-06033 00
Drawn By BEF / 6ED
Checked By HJF

Revisions		
Number	Date	Description
3	7/13/07	6HP SET

S3.02A

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Foundation Plan-Areas "B" & "B1"-Alt. No 7

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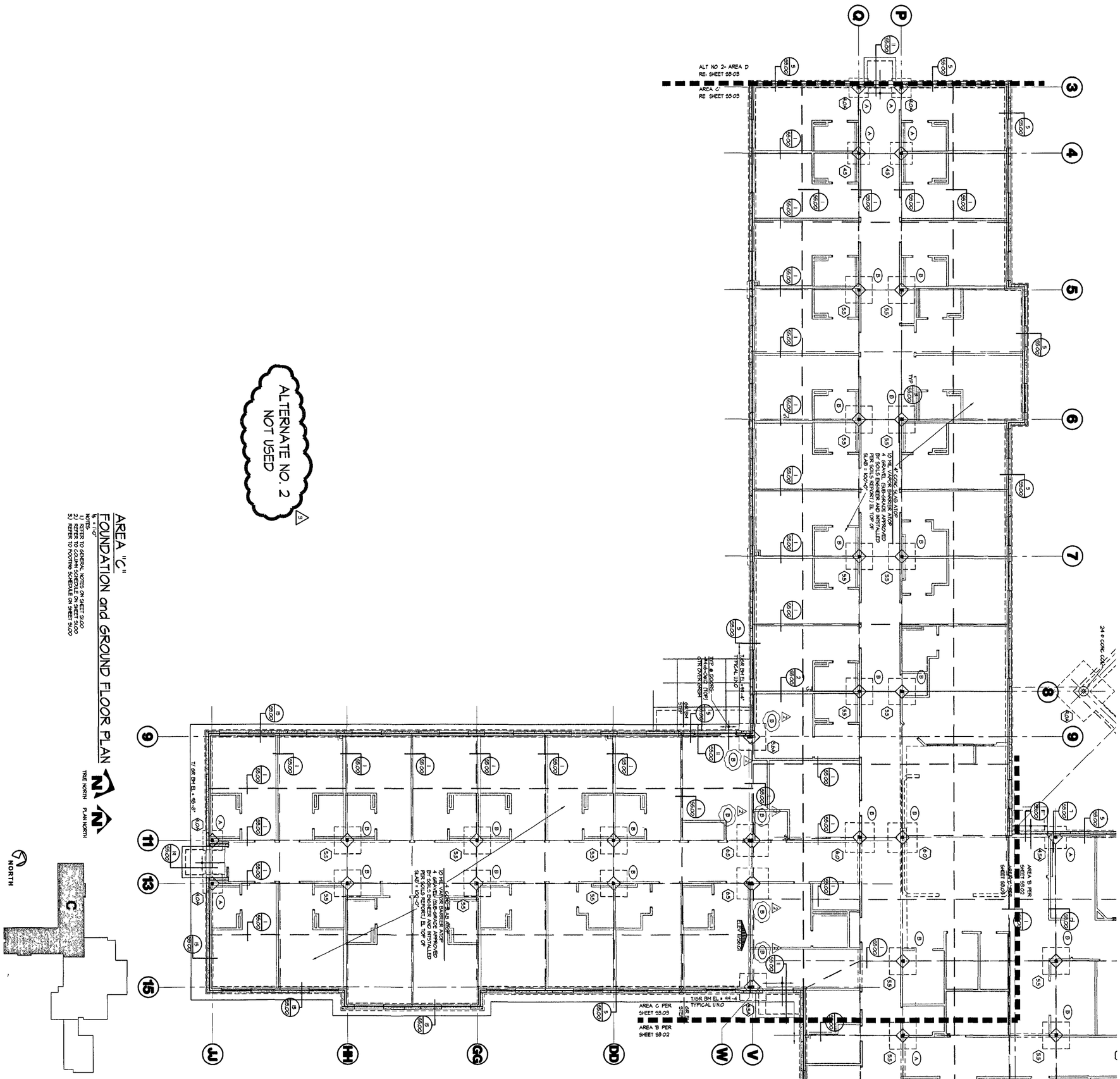

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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Revisions Number	Date	Description
3	7/13/07	GHP SET

S3.03

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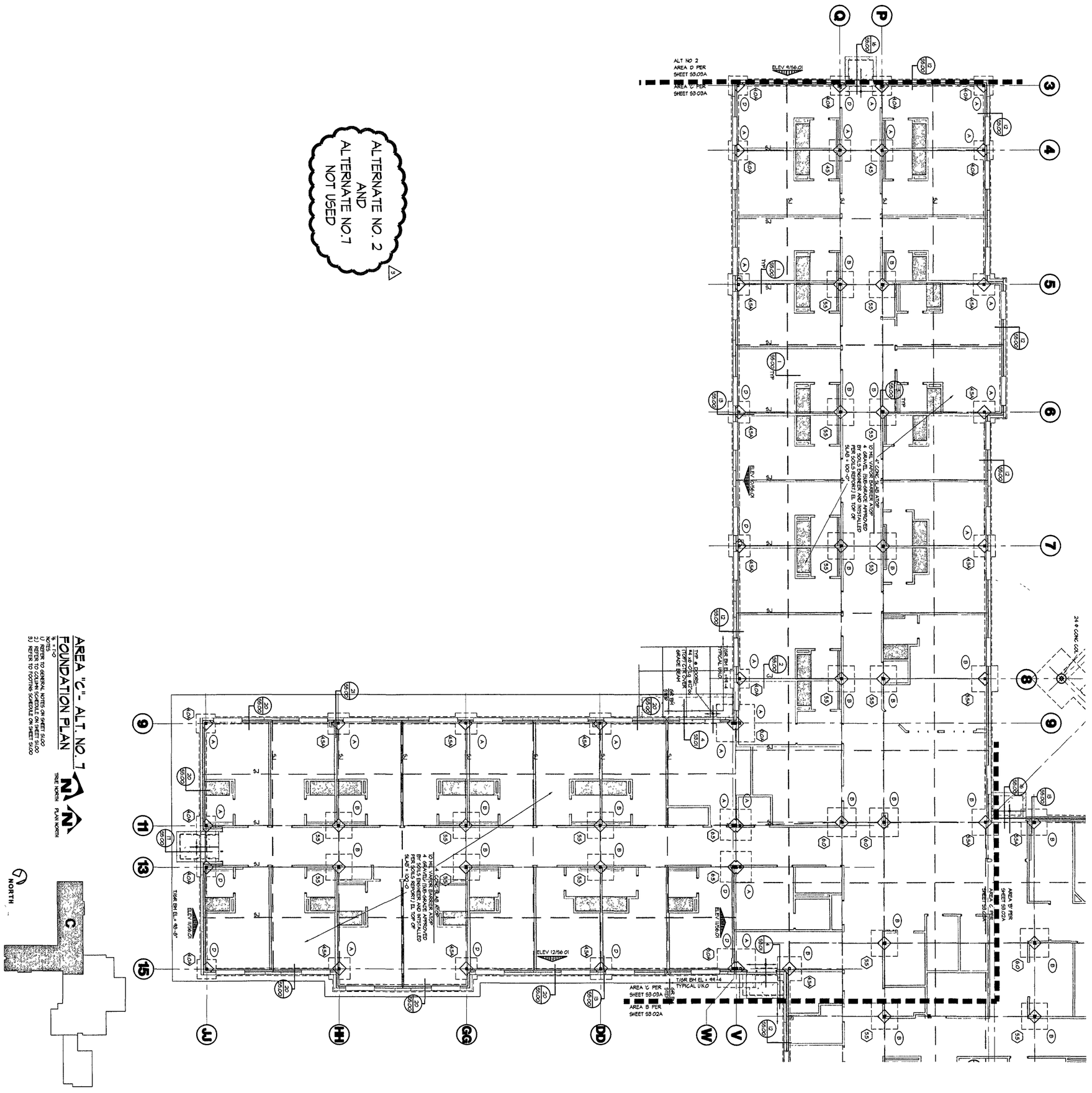
Foundation Plan - Areas "C" & "D"

ALTERNATE NO. 2
AND
ALTERNATE NO.7
NOT USED

1



AREA "C" - ALT. NO. 7
FOUNDATION PLAN
1/8" = 1'-0"

TRUE NORTH
PLAN NORTH

NOTES:
1) REFER TO GENERAL NOTES ON SHEET S1.00
2) REFER TO COLUMN SCHEDULE ON SHEET S1.00
3) REFER TO FOOTING SCHEDULE ON SHEET S1.00

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Revision Number	Date	Description
1	7/13/07	ADD'M SET

Date: June 29, 2007
Job Number: 4-060630.00
Drawn By: DEF / GED
Checked By: KJF

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REGISTERED PROFESSIONAL ENGINEER
OF OKLAHOMA
KENNETH J. FRIES
NUMBER 13423

S3.03A

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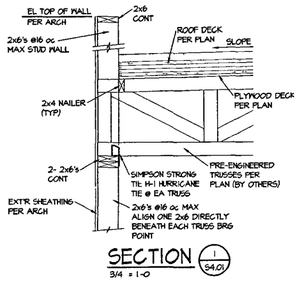
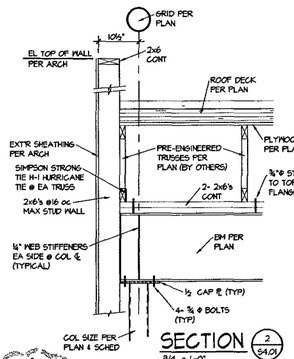
Foundation Plan - Areas "C" & "D" - Alt No 7



SECTION 1/54.01
3/4" = 1'-0



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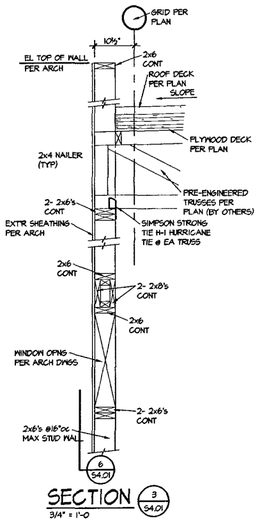
3/4" = 1'-0



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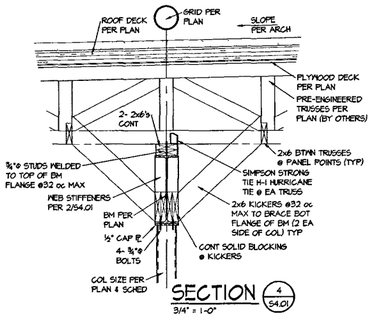
3/4" = 1'-0



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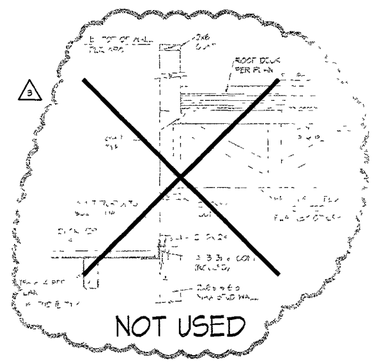
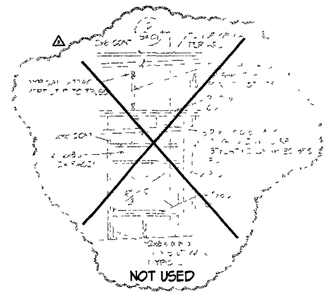
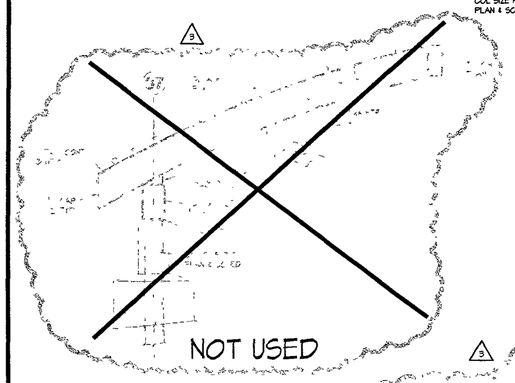
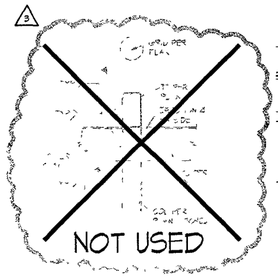
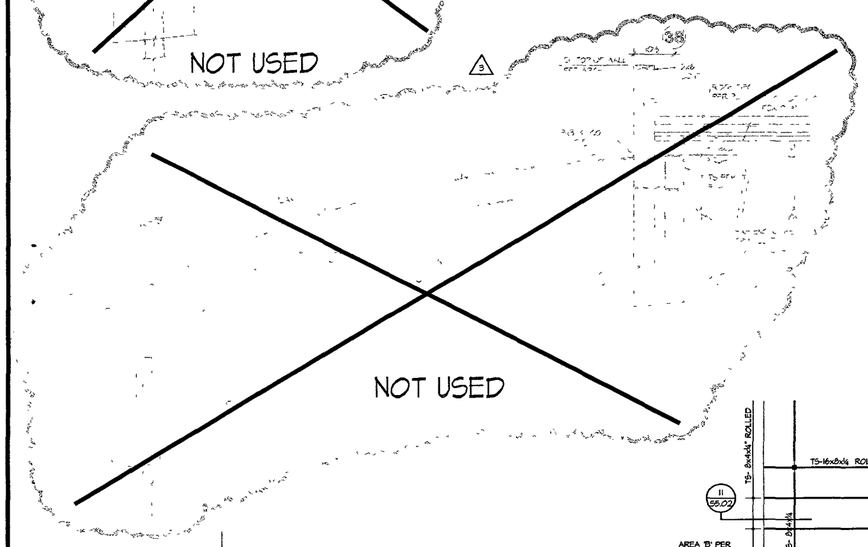
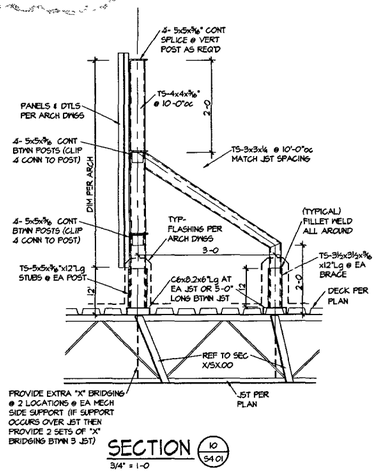




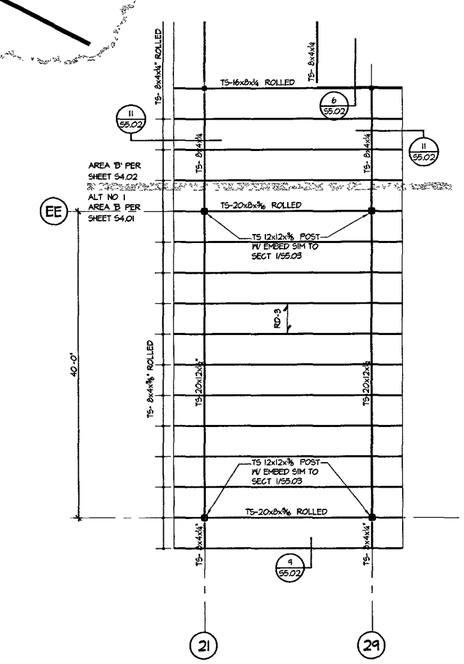








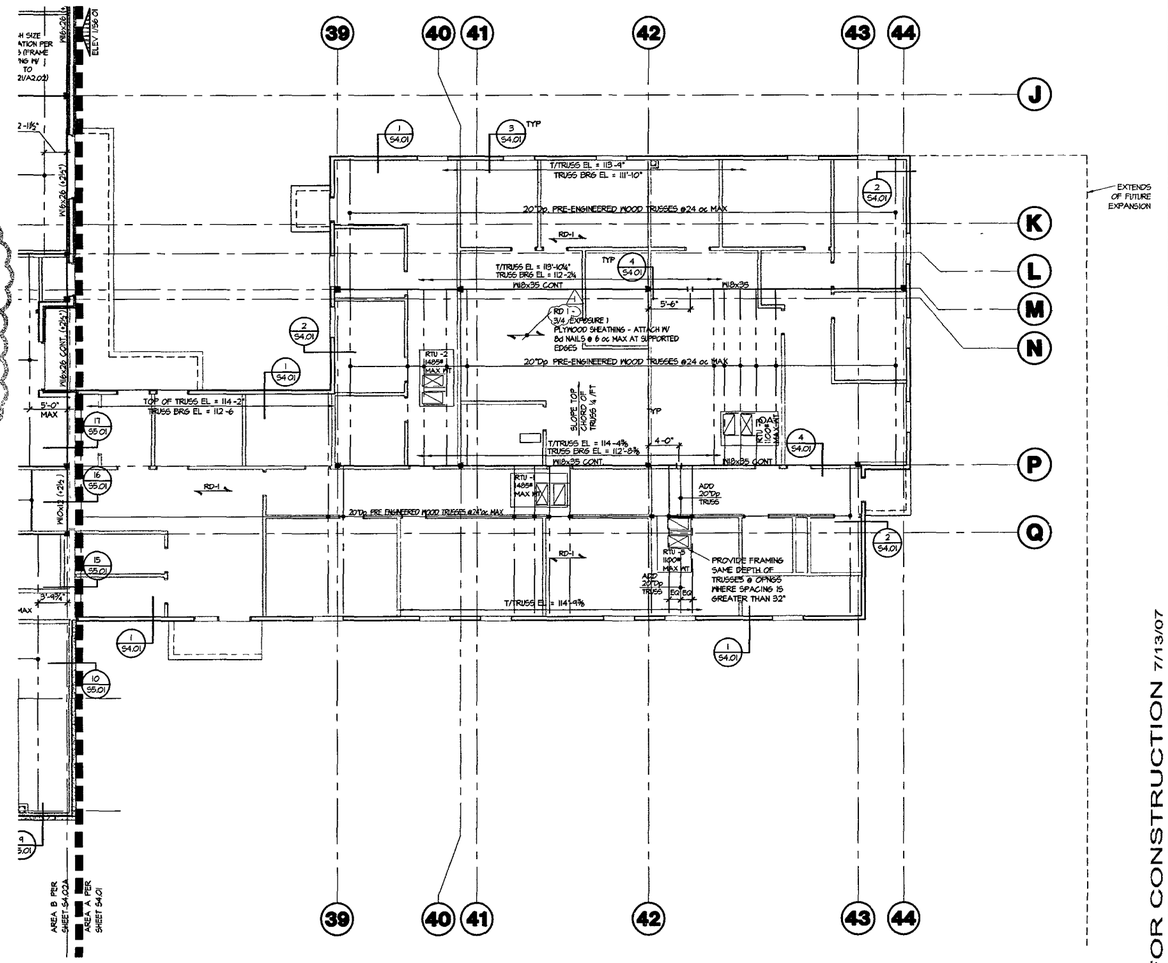
SECTION 10/54.01
3/4" = 1'-0



ALT. NO. 1 - ENTRYWAY CANOPY ROOF FRAMING PLAN

⅛" = 1'-0
NOTES:
1) REFER TO GENERAL NOTES ON SHEET S1.00
2) REFER TO SECTION 1/S5.01 FOR TYPICAL BEAM SPLICE DETAIL
3) REFER TO SECTION 2/S5.01 FOR TYPICAL JOIST REINFORCING DETAIL

RD-1 (3/4 Plywood) ⚠1
RD-2 1 5/8" Galvanized Tensile Roof Deck, RE Section 3550 2.01
RD-3 2 Epic Deck ER2R x 22 gauge as manufactured by EPIC Metals Corp or approved manufacturer
RD-4 3" Epic Deck Arch P x 20 gauge as manufactured by EPIC Metals Corp., or approved manufacturer
RD-5 2 Epic Deck ER2RA x 22 gauge acoustical including three-pound density acoustical insulation element as manufactured by EPIC Metals Corp., or approved manufacturer
RD-6 1 1/2" x 22 gauge metal deck under Alternate No. 8

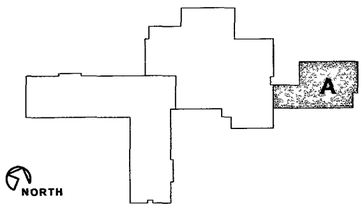


AREA "A" ROOF FRAMING PLAN

TRUE NORTH PLAN NORTH

⅛" = 1'-0
NOTES
1) REFER TO GENERAL NOTES ON SHEET S1.00
2) REFER TO SECTION 1/S5.01 FOR TYPICAL BEAM SPLICE DETAIL

ALTERNATE NO. 12 ⚠3
NOT USED



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REGISTERED PROFESSIONAL ENGINEER
MICHAEL J FALBE 19008
OKLAHOMA

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29, 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions

Number	Date	Description
⚠3	7/13/07	GMP SET

S4.01

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Roof Framing Plan - Areas "A" & "A1"

RD-1 6 3/4" Epic Deck Roof Deck, FE, Section 3500 2.0I
RD-2 1 5/8" Epic Deck, ER2R, 1" 22 gage as manufactured by EPIC Metals Corp, or approved manufacturer
RD-3 1 5/8" Epic Deck, Roof P x 20' gage as manufactured by EPIC Metals Corp, or approved manufacturer
RD-4 3" Epic Deck, Roof P x 20' gage as manufactured by EPIC Metals Corp, or approved manufacturer
RD-5 7" Epic Deck, ER2R x 22 gage acoustical including three-pound density acoustical insulation element as manufactured by EPIC Metals Corp, or approved manufacturer
RD-6 (1/2" x 22 gage metal deck under Alternate No 8

SECTION 1/4"=1'-0" (1/S4.01)

NOT USED

AREA "B"- ALT. NO. 7
ROOF FRAMING PLAN
1/8"=1'-0"

TRUE NORTH
PLAN NORTH

NOTES:
1) REFER TO GENERAL NOTES ON SHEET S1.00
2) REFER TO SECTION 1/S5.01 FOR TYPICAL BEAM SPLICE DETAIL
3) REFER TO SECTION 1/S5.02 FOR TYPICAL COLUMN SPLICE DETAIL
4) SEISMIC AL LIGHT SUPPORT PER SECTION 1/S5.01 AND 2/S5.02

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. BOLAND
OKLAHOMA
13

Revisions		
Number	Date	Description
1	7/13/07	6MP SET

Date: June 29, 2007
Job Number: 4-06053.00
Drawn By: BEF / ASD
Checked By: HJF

S4.02A

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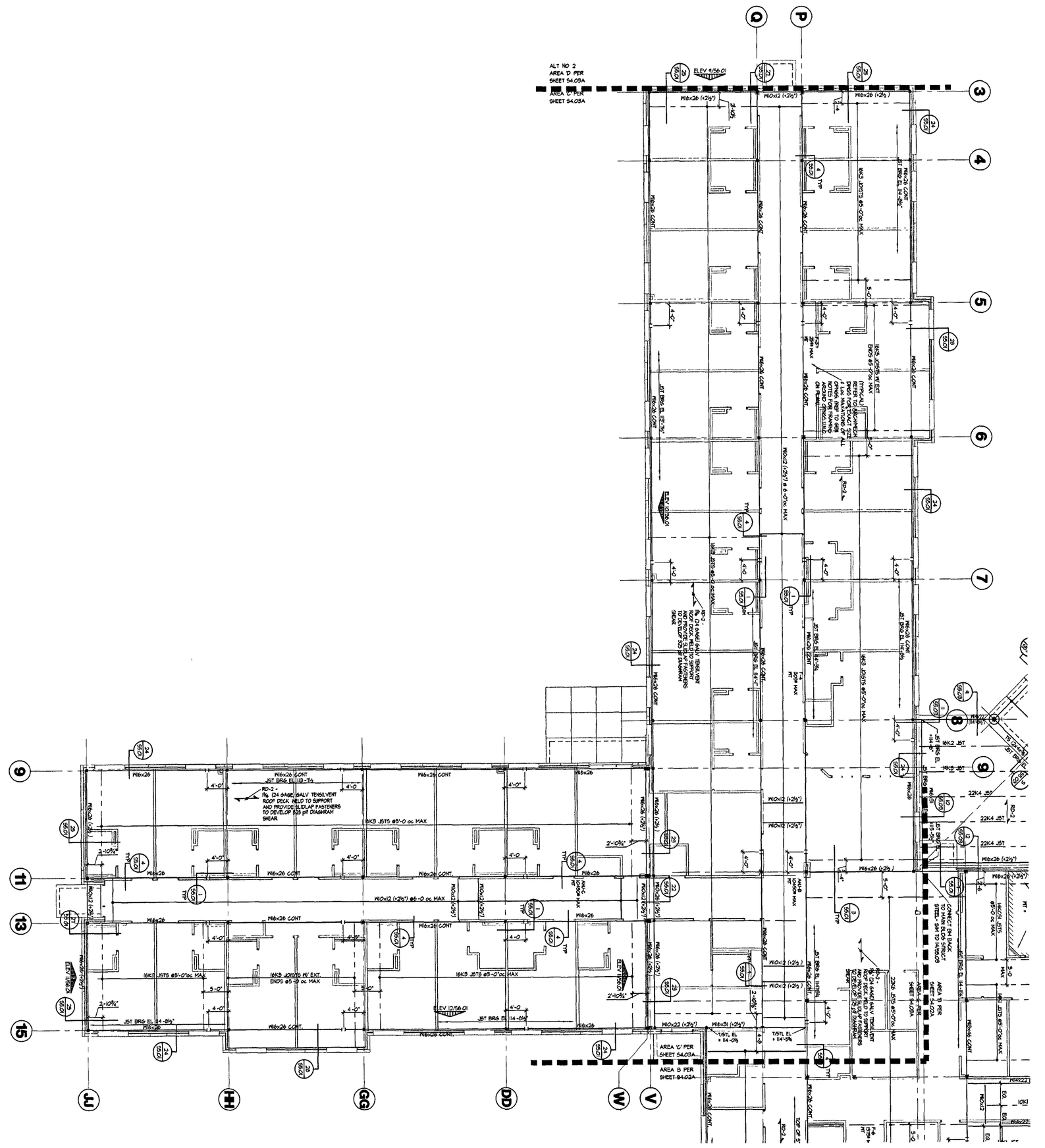
Roof Framing Plan-Areas "B"&"E"-Alt No.7



AREA "C" - ALT. NO. 7
ROOF FRAMING PLAN

TRUE NORTH
PLAN NORTH

NOTES:
1) REFER TO GENERAL NOTES ON SHEET S1.00
2) REFER TO SECTION 1/S5.01 FOR TYPICAL BEAM SPLICE DETAIL
3) REFER TO SECTION 2/S5.01 FOR TYPICAL JOIST REINFORCING DETAIL

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE, OKLAHOMA

No.	Revisions	Date
1		7/13/07

Date: June 29, 2007
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Checked By: HJF

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Roof Framing Areas "C" & "D" - Alt No 7

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NOTE: ANY OR ALL SAWED JOINTS MAY BE FORMED AT THE CONTRACTOR'S OPTION

TYP SAW JT
SECTION 1 / S5.00
3/4" = 1'-0"

#5 BAR x 1'-6" LNG AT SAW JT. MUST BE CUT WITHIN 24 HRS OF POUR

PREFORMED KEYED JOINT

TYP CONST JT
SECTION 2 / S5.00
3/4" = 1'-0"

#4 @ 12" CONT

#4 DISCONT AT JOINT

GRID PLAN

ABS. BASE & CAP PER SCHED

2'-0" ø BLOCKOUT @ 10'-0" ROUND COLS. (TYP.)

COL. PER PLAN & SCHED

1" GROUT

SLAB PER PLAN & SCHED

30# FELT BOND BREAKER AT BLOCKOUT

EL PER PLAN

FTG SIZE & REINF PER SCHED ON SHEET S5.00

FTG DEPTH PER SCHED

SOIL CAPABLE OF SAFELY SUSTAINING 3000 PSF

SECTION 3 / S5.00
3/4" = 1'-0"

#4 TOP CONT AT EDGE

#4x5-0"@24" ø SLAB DWLS

FINISH PER ARCH

GRADE PER OTHER

6"x18ga METAL STUDS @ 16" oc

EL PER PLAN

#4 (E.F.) @ MID-DEPTH

#4x18" LONG STIRRUPS @ 24" oc

REF TO SEC 3556.00

NOTE: COORDINATE/VERIFY EXTENTS OF EXTERIOR MATERIAL W/ ARCH

SECTION 4 / S5.00
3/4" = 1'-0"

PC PANEL BY OTHERS

GRADE PER CIVIL

1" NON-SHRINK GROUT

PC CONN BY PC DETAILER

#4 x 5'-0"@ 24" ø SLAB DWLS

REINF PER SEC 4556.00

DWELL ø PER SECTION 14556.00

REF TO SEC 3556.00

SECTION 5 / S5.00
3/4" = 1'-0"

NOT USED

#4x6 DWLS TOP CTR OVER GIRDW

#4 TOP CONT AT EDGE

SLAB DWLS PER SEC 4556.00

REINF PER SEC 4556.00

REF TO SEC 3556.00

NOT USED

#4x6 DWLS TOP CTR OVER GIRDW

SLAB DWLS PER SEC 4556.00

REINF PER SEC 4556.00

REF TO SEC 3556.00

NOT USED

#4x6 DWLS TOP CTR OVER GIRDW

#4 TOP CONT AT EDGE

SLAB DWLS PER SEC 4556.00

REINF PER SEC 4556.00

REF TO SEC 3556.00

SECTION 6 / S5.00
3/4" = 1'-0"

GRADE BM BEYOND REINF TO CONTINUE THROUGH FTG

GRADE PER OTHER

FINISH PER ARCH

GRID PLAN

ABS. BASE & CAP PER SCHEDULE

2'-0"ø BLOCKOUT @ COLS

COL PER PLAN

6"x18ga METAL STUDS @ 16" oc

30# FELT BOND BREAKER

SLAB PER PLAN

EL PER PLAN

REINF PER SCHEDULE

REF TO SEC 3556.00

SECTION 7 / S5.00
3/4" = 1'-0"

GRADE BM BEYOND REINF TO CONTINUE THROUGH FTG

PC PANEL BY OTHERS

GRADE PER OTHER

1" NON-SHRINK GROUT

PC CONN BY PC DETAILER

GRID PLAN

ABS. BASE & CAP PER SCHEDULE

2'-0"ø BLOCKOUT @ COLS

COL PER PLAN

METAL STUDS PER ARCH

30# FELT BOND BREAKER

SLAB PER PLAN

EL PER PLAN

DWELL ø PER SECTION 14556.00

REINF PER SCHEDULE

REF TO SEC 3556.00

NOT USED

SLAB PER PLAN

EL PER PLAN

NOT USED

#4 TOP CONT AT EDGE

SLAB DWLS PER SEC 4556.00

REINF PER SEC 4556.00

REF TO SEC 3556.00

NOT USED

VARIES PER ARCH

SLAB DWLS PER SEC 4556.00

REINF PER SEC 4556.00

REF TO SEC 3556.00

SECTION 8 / S5.00
3/4" = 1'-0"

GRADE BM BEYOND REINF TO CONTINUE THROUGH FTG

GRADE PER OTHER

BRICK PER ARCH

GROUT SOLID BELOW GRADE

GRID PLAN

ABS. BASE & CAP PER SCHEDULE

2'-0"ø BLOCKOUT @ COLS

COL PER PLAN

6"x18ga METAL STUDS @ 16" oc

30# FELT BOND BREAKER

SLAB PER PLAN

EL PER PLAN

REINF PER SCHEDULE

REF TO SEC 3556.00

SECTION 9 / S5.00
3/4" = 1'-0"

SLOPE PER ARCH

#5 CONT

#5 BOT

#4x4-DWL2" DWLS

4" CONC STOOP REINF W/ 6x6 WWF

#4 CONT @ EDGE

#4x6-DWL2" TOP CTR OVER GIRDW

EL PER PLAN

VARIES PER ARCH

SECTION 10 / S5.00
3/4" = 1'-0"

SECTION 11 / S5.00
3/4" = 1'-0"

SECTION 12 / S5.00
3/4" = 1'-0"

SECTION 13 / S5.00
3/4" = 1'-0"

SECTION 14 / S5.00
3/4" = 1'-0"

SECTION 15 / S5.00
3/4" = 1'-0"

SECTION 16 / S5.00
3/4" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE, OKLAHOMA

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REGISTERED PROFESSIONAL ENGINEER
OKLAHOMA

Revisions		
Number	Date	Description
1	1/31/07	64# SET

Date: June 29, 2007
Job Number: 4-06033.00
Drawn By:
Checked By:

S5.00

Foundation Sections

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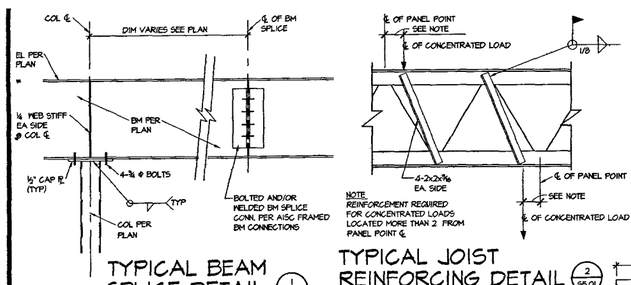
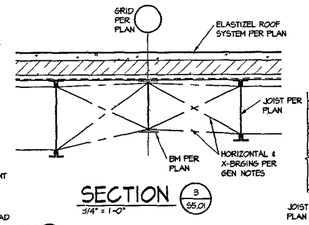
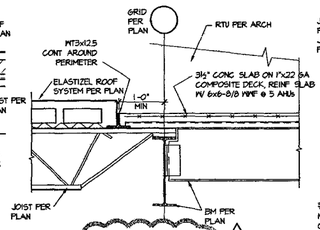


TYPICAL BEAM SPLICE DETAIL (1 55.01)
3/4" = 1'-0"

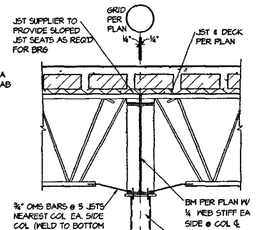
TYPICAL JOIST REINFORCING DETAIL (2 55.01)
3/4" = 1'-0"



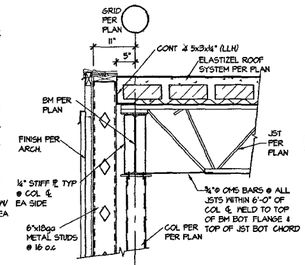
SECTION (3 55.01)
3/4" = 1'-0"



SECTION (4 55.01) 2
3/4" = 1'-0"



SECTION (5 55.01)
3/4" = 1'-0"



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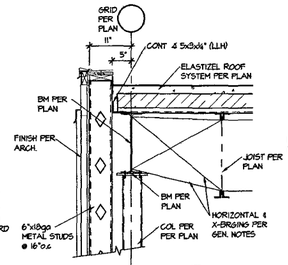
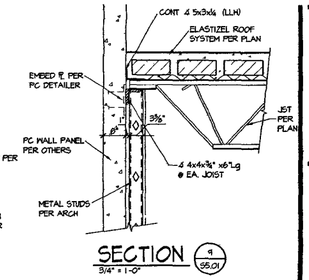


SECTION (7 55.01)
3/4" = 1'-0"



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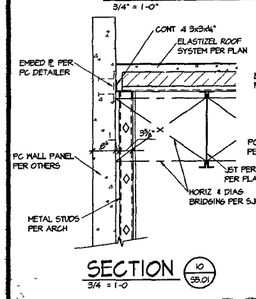

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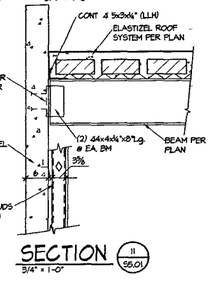

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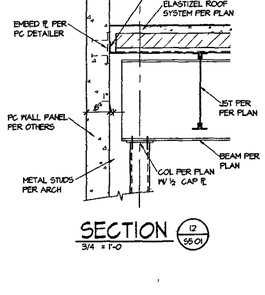

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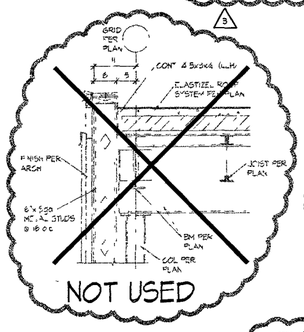

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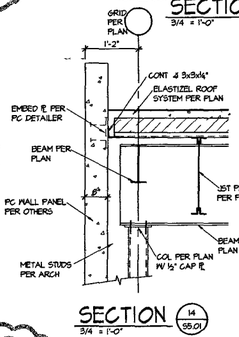

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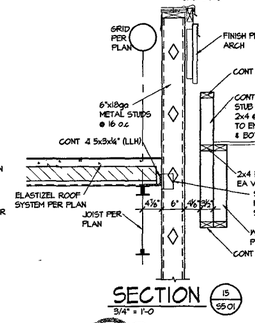
3/4" = 1'-0"



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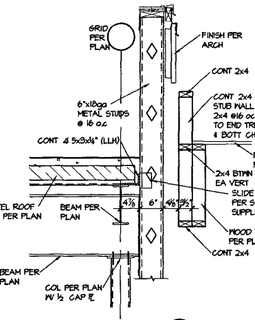

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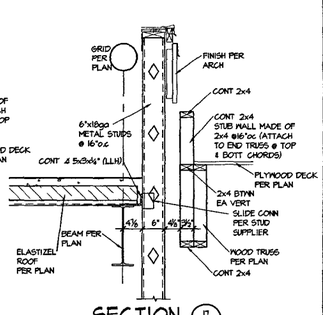

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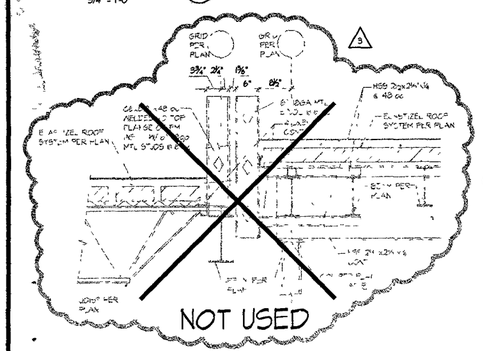

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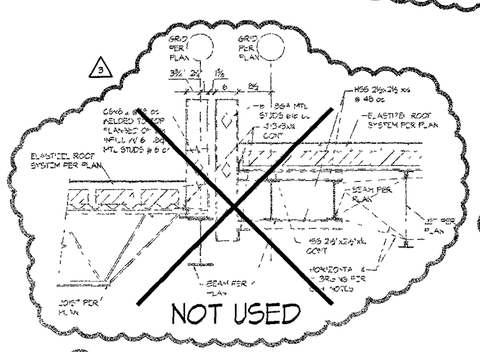

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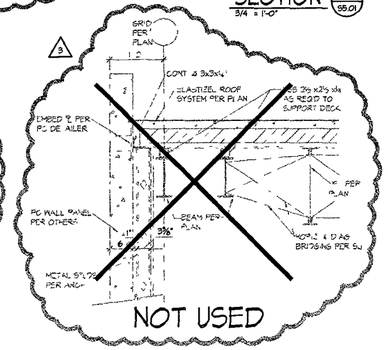

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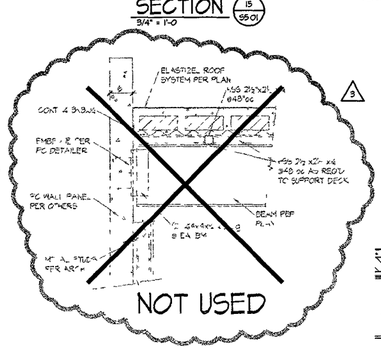

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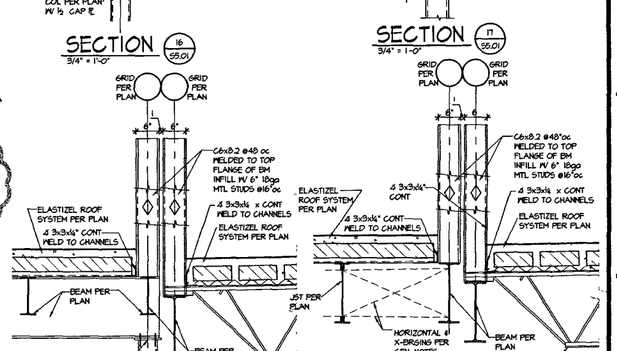
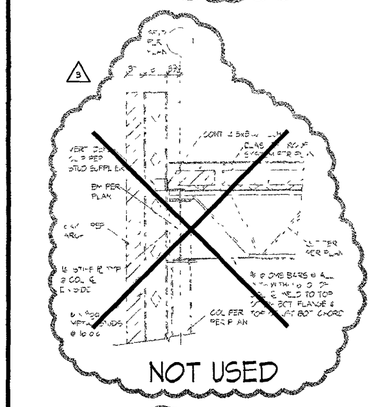


SECTION (22 55.01)
3/4" = 1'-0"

SECTION (23 55.01)
3/4" = 1'-0"



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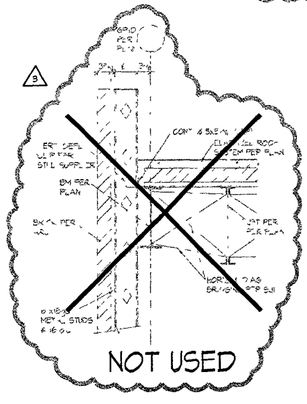

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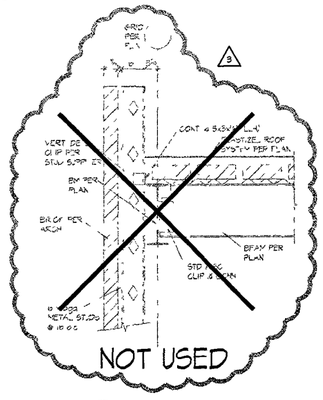

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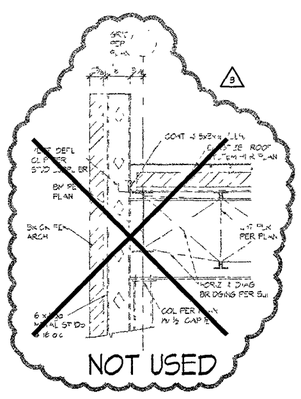

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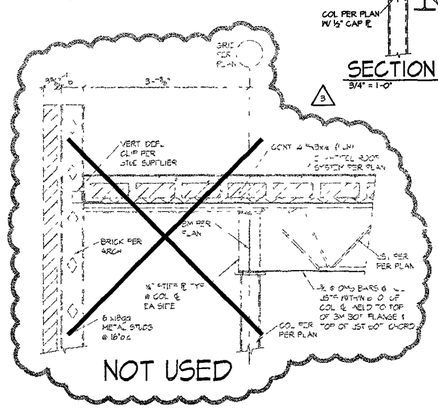

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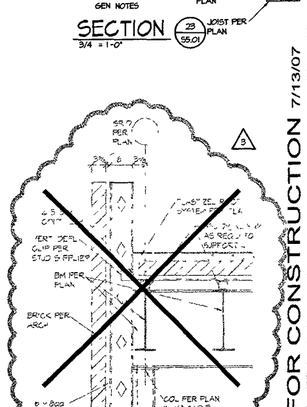

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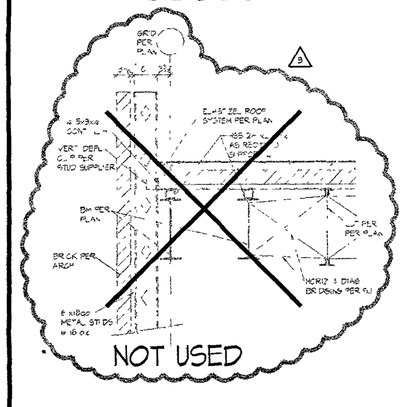

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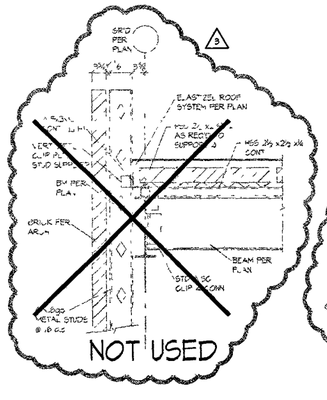

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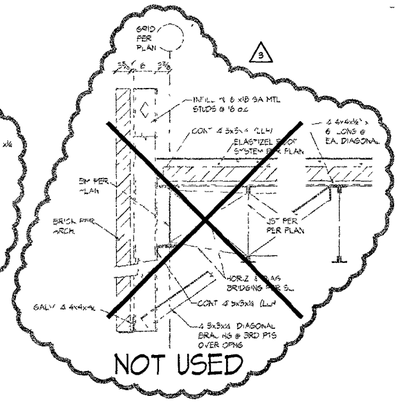

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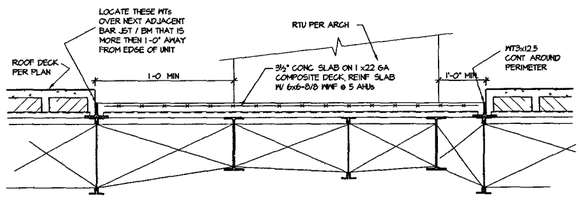

SECTION (33 55.01) 3
3/4" = 1'-0"

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11229 Nall, Suite 140 Leawood, KS 66211 913 339 2000 913 339 2003 fax
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Kansas City, MO 64111
815 531 4144

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29, 2007
Job Number	4-06033 00
Drawn By	BEF / GED
Checked By	MJF

Revisions

Number	Date	Description
3	7/13/07	GMP SET

S5.01

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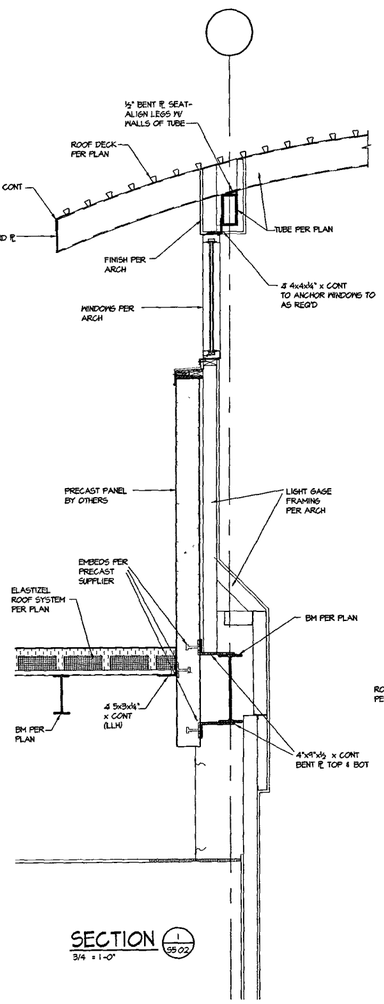
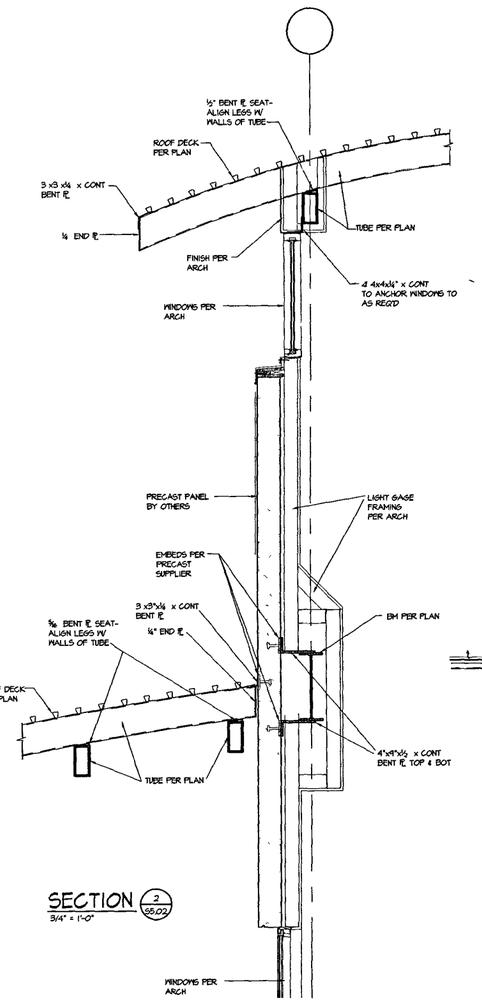
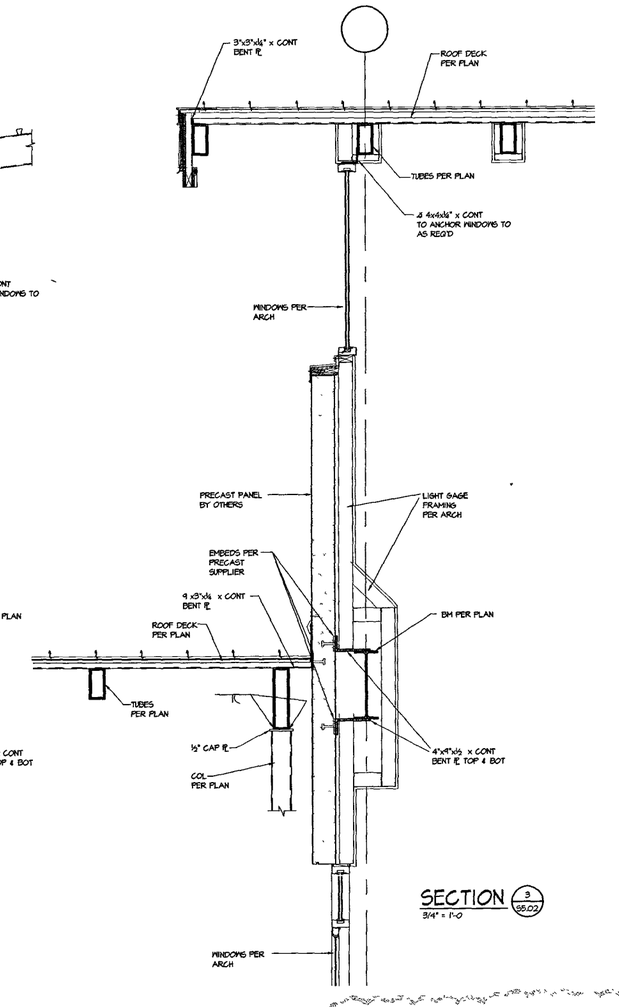
Roof Framing Sections



SECTION 1 / S5.02
3/4" = 1'-0"



SECTION 2 / S5.02
3/4" = 1'-0"



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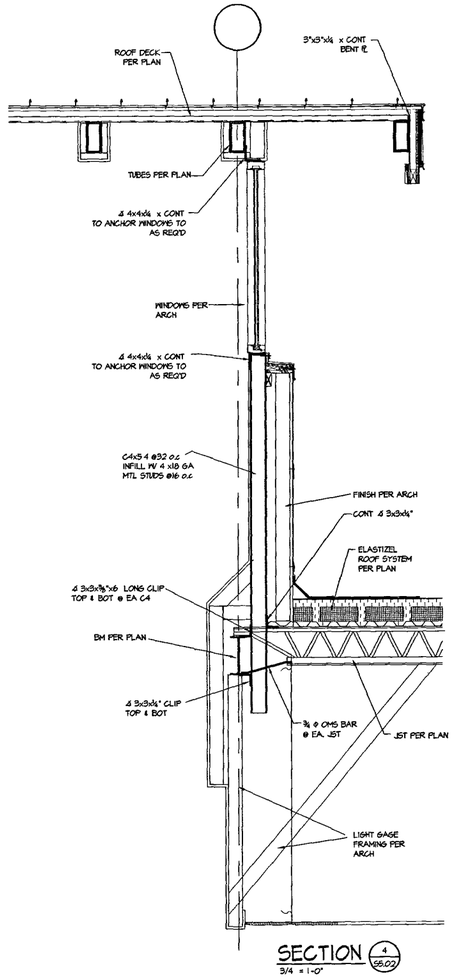
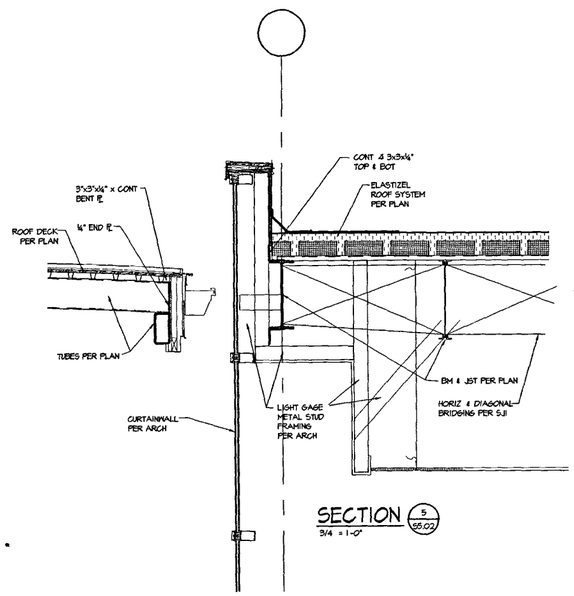
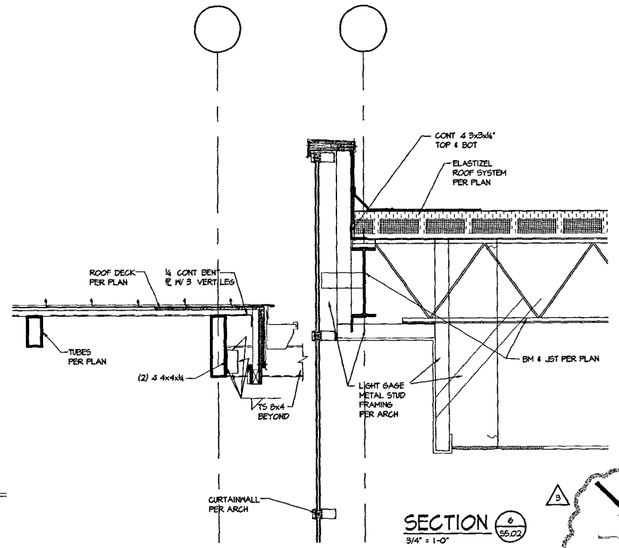


SECTION 4 / S5.02
3/4" = 1'-0"



SECTION 5 / S5.02
3/4" = 1'-0"

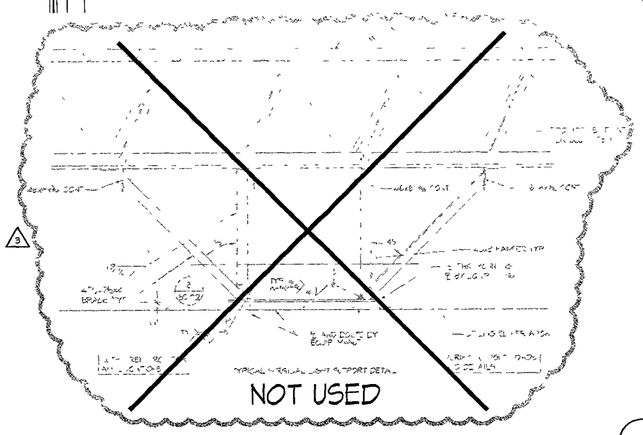


SECTION 6 / S5.02
3/4" = 1'-0"

3 NOT USED

3 NOT USED

3 NOT USED



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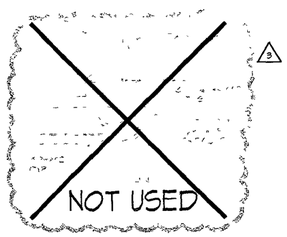
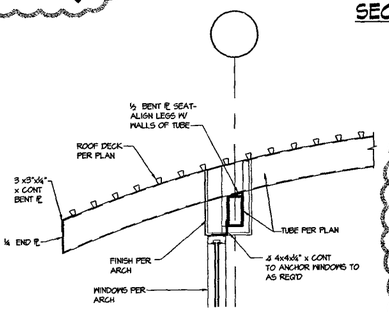


¼" CONT BENT ℄ W/ 3" VERT LEG
ROOF DECK PER PLAN
TUBE PER PLAN

SECTION 9 / S5.02
¾" = 1'-0"



SECTION 11 / S5.02
¾" = 1'-0"

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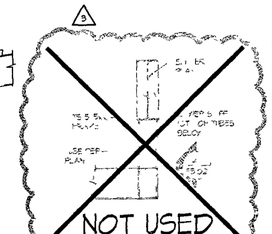

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REGISTERED PROFESSIONAL ENGINEER
MICHAEL J. FALSE
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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29, 2007
Job Number	4-06033 00
Drawn By	
Checked By	

Revisions

Number	Date	Description
3	7/13/07	GMP SET

S5.02

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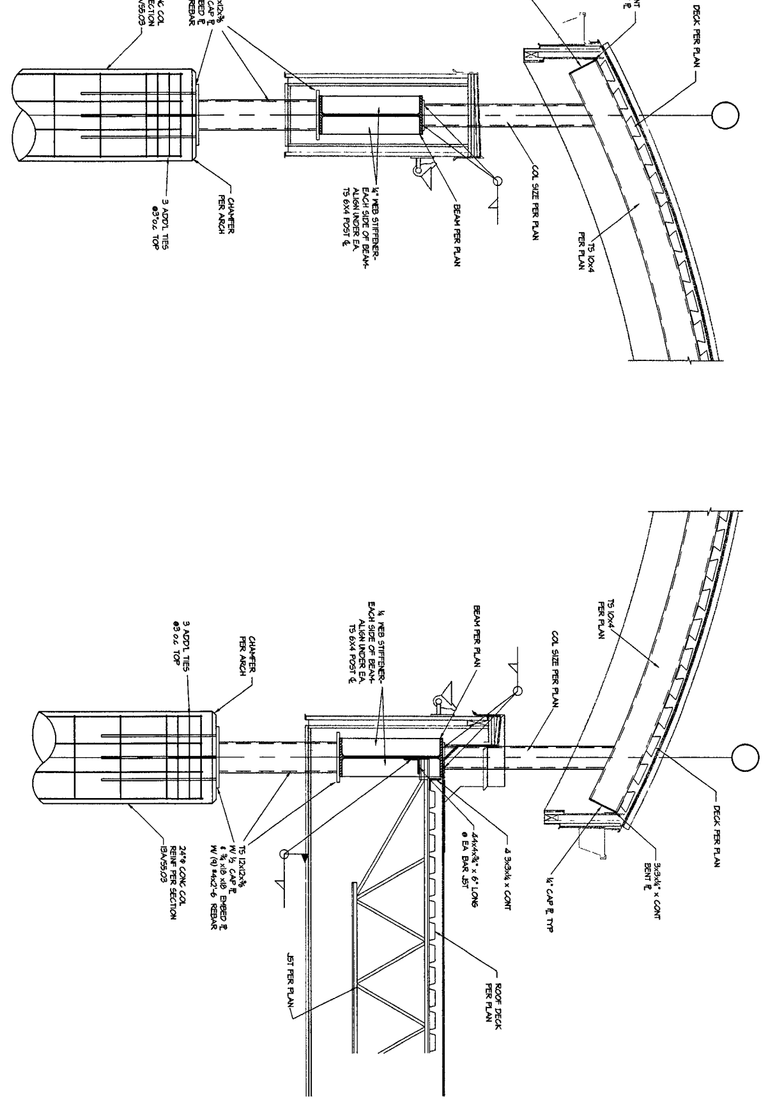
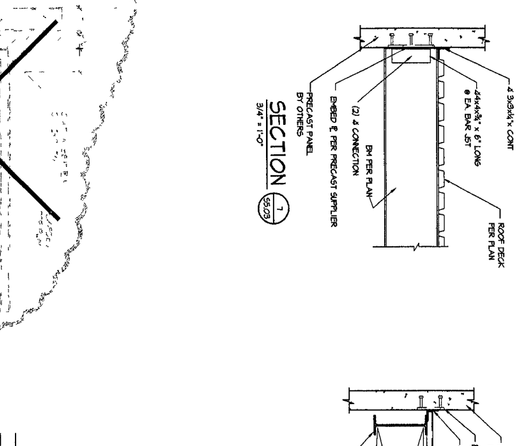
Roof Framing Sections

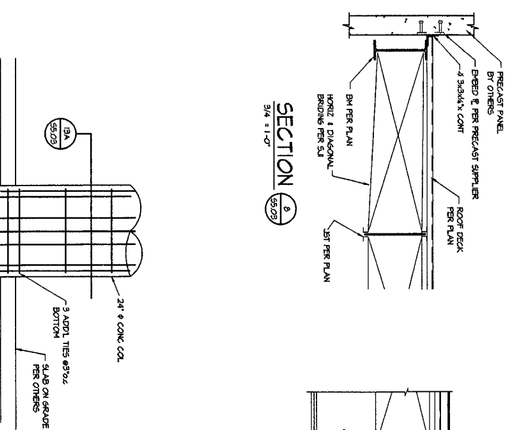


SECTION 1 S5.03 — 3/4" = 1'-0"

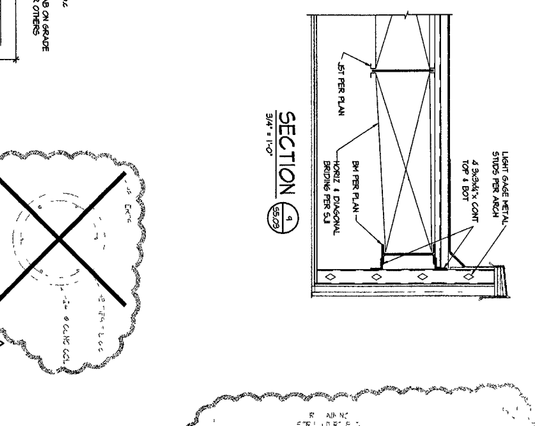
SECTION 2 S5.03 — 3/4" = 1'-0"



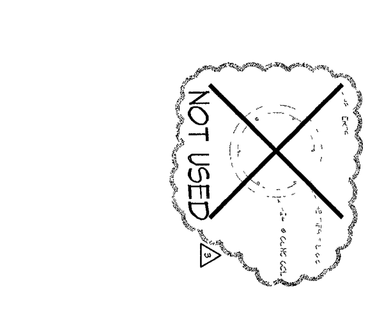
SECTION 1 S5.03 — 3/4" = 1'-0"



SECTION 2 S5.03 — 3/4" = 1'-0"

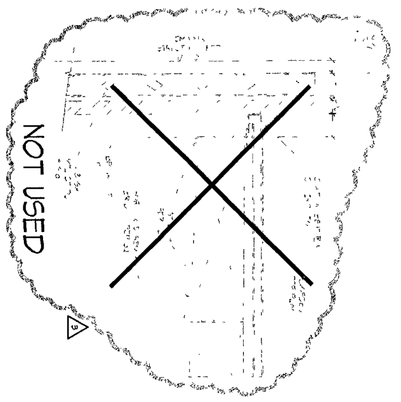


SECTION 4 S5.03 — 3/4" = 1'-0"



SECTION 5A S5.03 — 3/4" = 1'-0"

NOT USED 3



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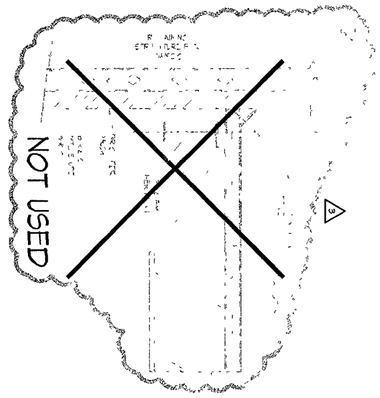

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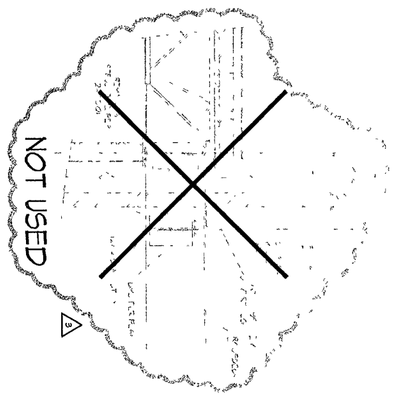
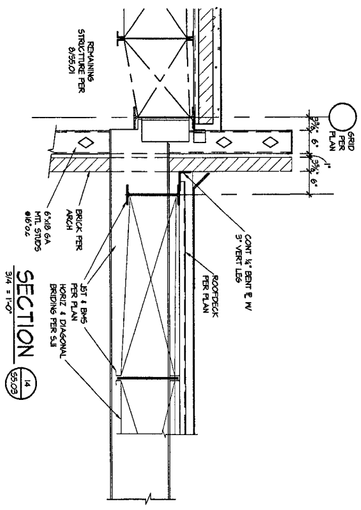
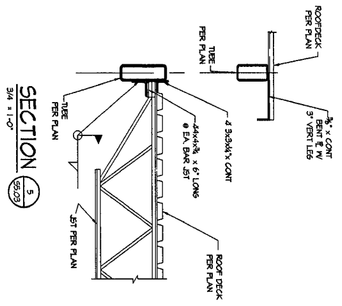
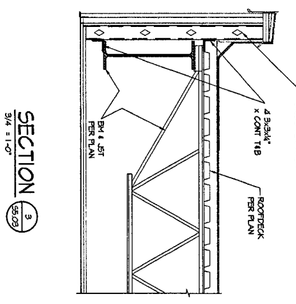




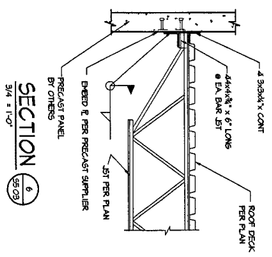
SECTION 14 S5.03 — 3/4" = 1'-0"



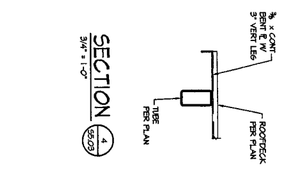
SECTION 5 S5.03 — 3/4" = 1'-0"



SECTION 3 S5.03 — 3/4" = 1'-0"



SECTION 6 S5.03 — 3/4" = 1'-0"



SECTION 4 S5.03 — 3/4" = 1'-0"

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE, OKLAHOMA

Bredson and Associates Inc
Mechanical Electrical Plumbing
Consulting Engineers
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REGISTERED PROFESSIONAL ENGINEER — Kenneth Ray Boland — 23 — 4/30/08

Revisions		
Number	Date	Description
2	7/13/07	GMP SET

Date: June 29, 2007
Job Number: 4-0503.00
Drawn By:
Checked By:

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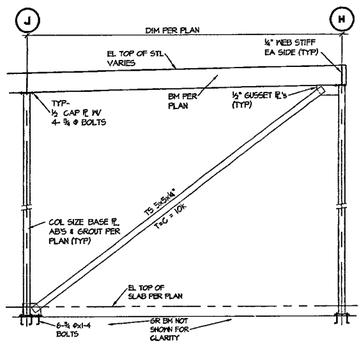
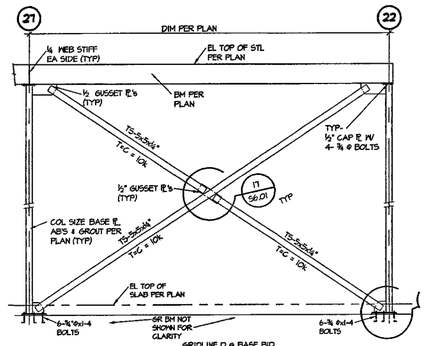
S5.03

Roof Framing Sections



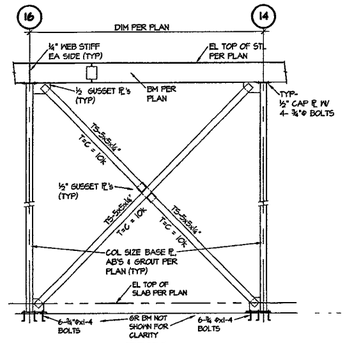
GRIDLINE 34

SECTION 1/56.01 — 3/4" = 1'-0"



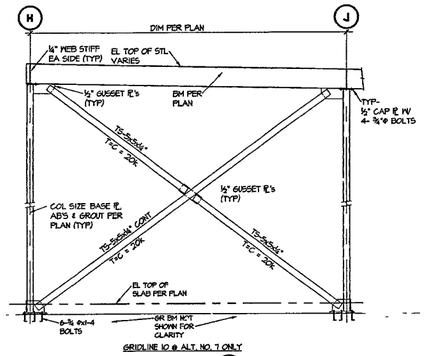
GRIDLINE 10 @ BASE BID
GRIDLINE A @ ALT NO 3

SECTION 2/56.01 — 3/4" = 1'-0"



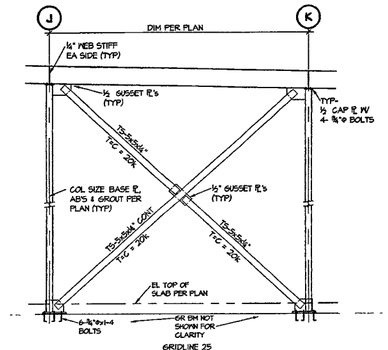
GRIDLINE F

SECTION 3/56.01 — 3/4" = 1'-0"



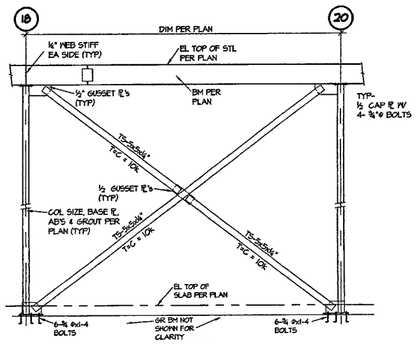
GRIDLINE 10 @ ALT. NO. 7 ONLY

SECTION 4/56.01 — 3/4" = 1'-0"



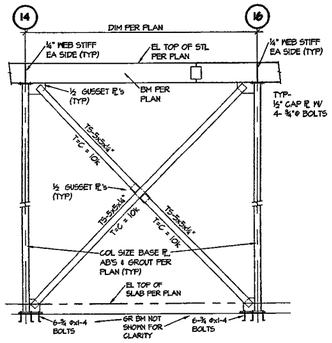
GRIDLINE 25

SECTION 5/56.01 — 3/4" = 1'-0"



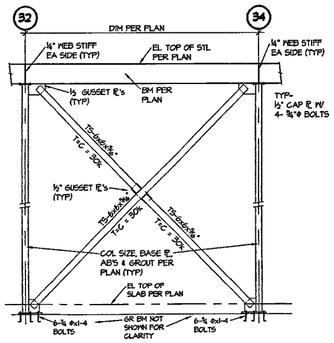
GRIDLINE P

SECTION 6/56.01 — 3/4" = 1'-0"



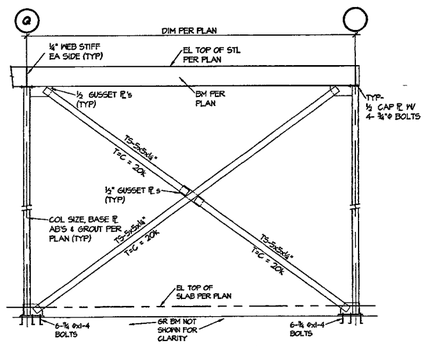
GRIDLINE H

SECTION 7/56.01 — 3/4" = 1'-0"



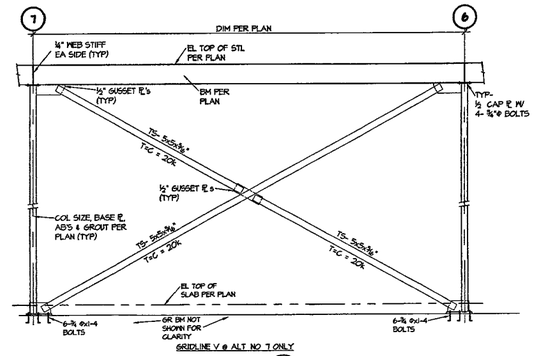
GRIDLINE AA @ ALT NO. 7 ONLY

SECTION 8/56.01 — 3/4" = 1'-0"



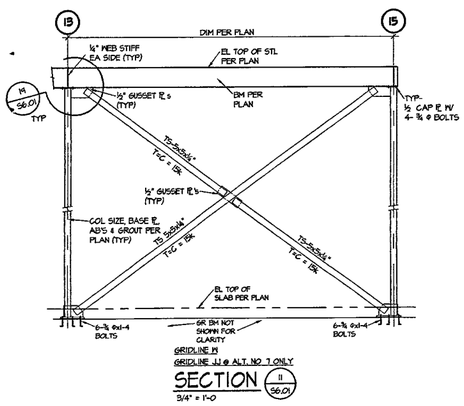
GRIDLINE S @ ALT NO. 7 ONLY

SECTION 9/56.01 — 3/4" = 1'-0"



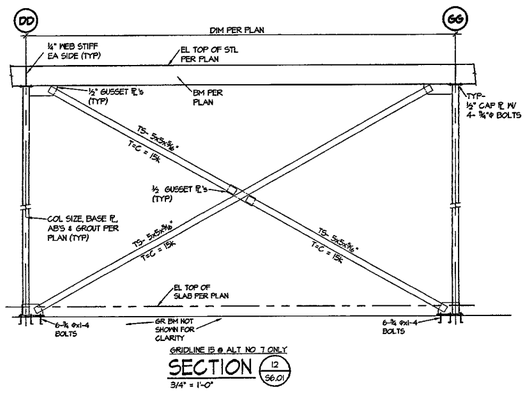
GRIDLINE V @ ALT NO. 7 ONLY

SECTION 10/56.01 — 3/4" = 1'-0"



GRIDLINE JJ @ ALT. NO. 7 ONLY

SECTION 11/56.01 — 3/4" = 1'-0"



GRIDLINE 13 @ ALT NO. 7 ONLY

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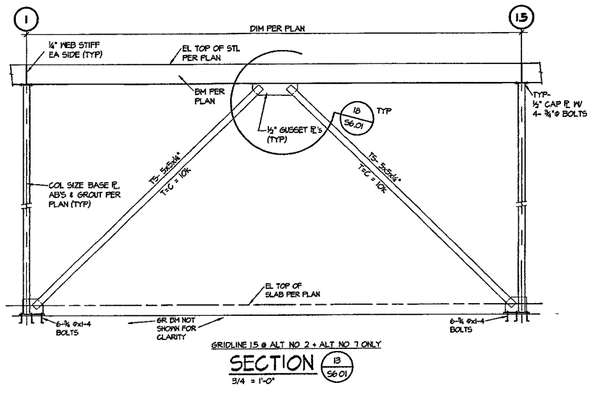
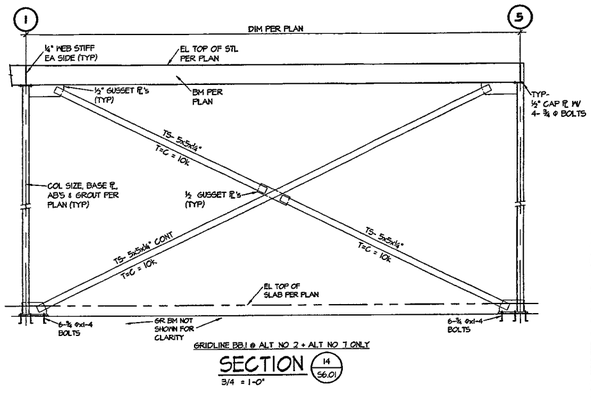


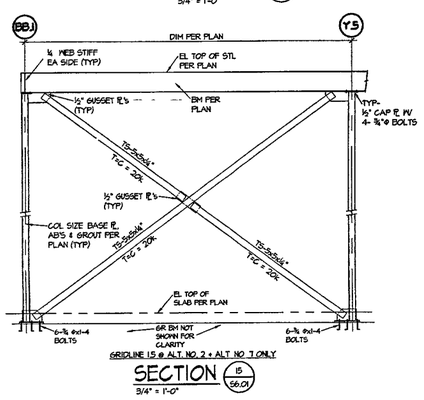
GRIDLINE 15 @ ALT NO 2 + ALT NO 7 ONLY

SECTION 13/56.01 — 3/4" = 1'-0"



GRIDLINE BB.1 @ ALT NO 2 + ALT NO 7 ONLY

SECTION 14/56.01 — 3/4" = 1'-0"



GRIDLINE 15 @ ALT. NO. 2 + ALT. NO. 7 ONLY

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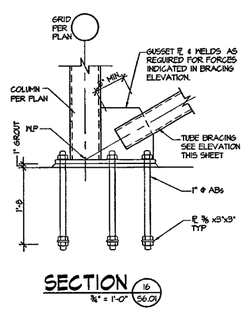
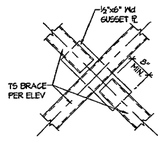
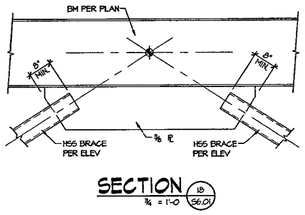


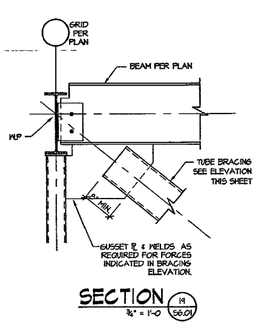
SECTION 16/56.01 — ¾" = 1'-0"



SECTION 17/56.01 — ¾ = 1'-0



SECTION 18/56.01 — ¾" = 1'-0"



SECTION 19/56.01 — ¾" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER — MICHAEL J FALBE 20052 — OKLAHOMA

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4338 Bellaview Kansas City, Mo 64111 816 931 1444

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033.00
Drawn By	
Checked By	

Revisions

Number	Date	Descripton
2	7/13/07	GMP SET

S6.01

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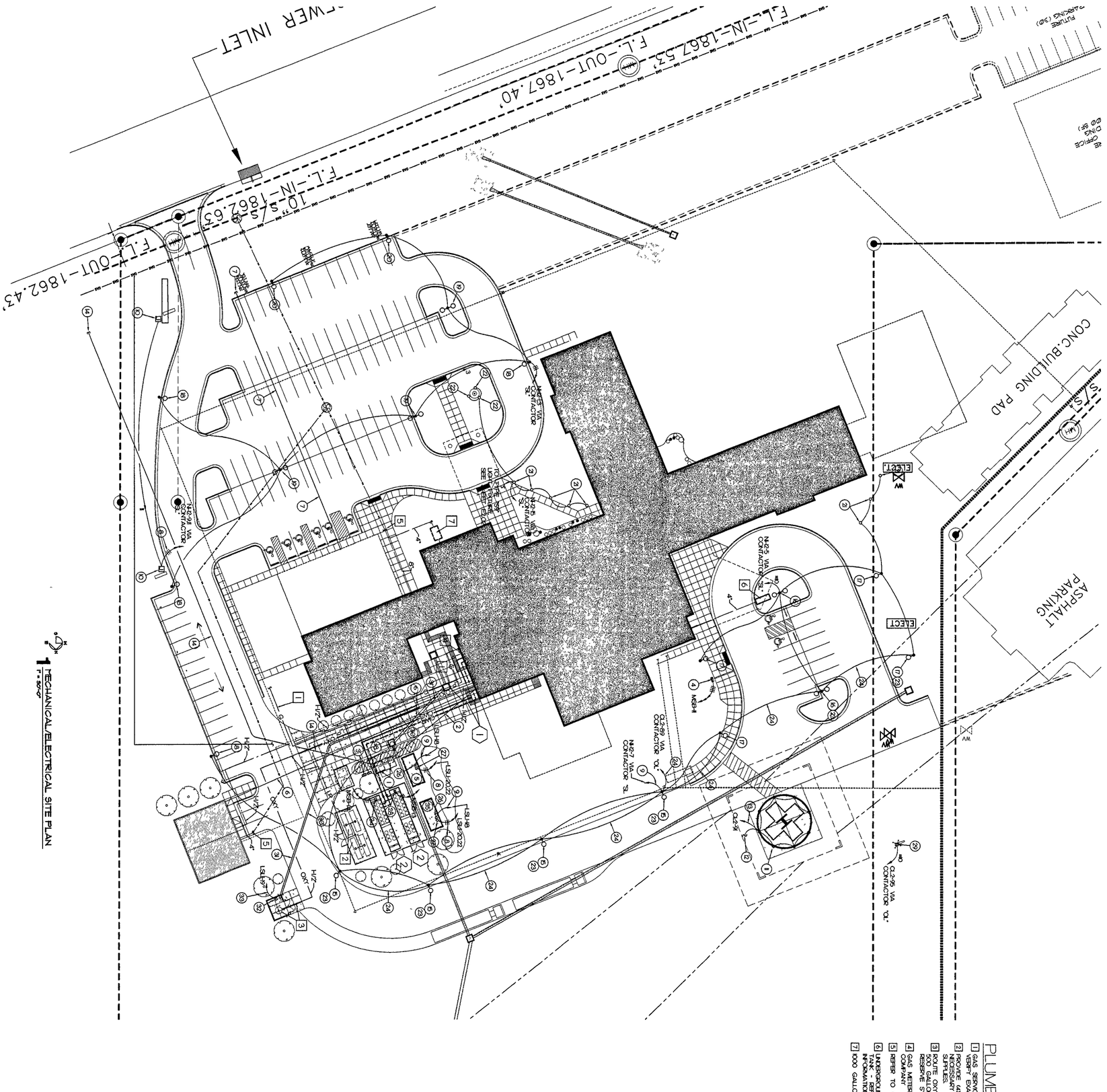
Diagonal Braces - Alternate No 7



1 MECHANICAL/ELECTRICAL SITE PLAN
1" = 30'-0"

PLUMBING NOTES:

1. GAS SERVICE LINE FURNISHED BY GAS COMPANY - VERIFY EXACT ROUTING WITH GAS COMPANY
2. PROVIDE (4) 1000 GALLON LP GAS TANKS WITH ALL NECESSARY PIPING, FITTINGS, 1ST STAGE REGULATOR AND SUPPLIES.
3. ROUTE OXYGEN SUPPLY LINE FROM OWNER FURNISHED 500 GALLON BULK OXYGEN STORAGE TANK & OXYGEN RESERVE SYSTEM.
4. GAS METER, SETTING & REGULATOR BY GAS SERVICE COMPANY
5. REFER TO CIVIL PLAN FOR CONTINUATION
6. UNDERGROUND 1000 GALLON DECONTAMINATION STORAGE TANK - REFER TO SHEET P1.02 FOR ADDITIONAL INFORMATION
7. 1000 GALLON GREASE INTERCEPTOR.

ELECTRICAL NOTES:

1. NEW PAD MOUNTED TRANSFORMER, METERING EQUIPMENT AND CIRCUIT BREAKER. SEE ELECTRICAL RISER DIAGRAM.
2. NEW UNDERGROUND SECONDARY ELECTRICAL SERVICE. SEE ELECTRICAL RISER DIAGRAM.
3. DOUBLE THROW SWITCHES TO SERVE CHILLERS DURING EMERGENCY CONDITIONS. SEE ELECTRICAL RISER DIAGRAM. INSTALL ON STEEL STRUCTURE FOR MOUNTING.
4. WEATHERPROOF RECEPTACLE FOR MOBILE MRI TRAILER POWER, TELEPHONE & DATA TRAILER POWER, TELEPHONE & DATA OUTLETS. SEE DETAIL SHEET E6.1
5. EMERGENCY GENERATOR INSTALLED UNDER BASE BID & DALSEMA CONSTRUCTION. SEE ELECTRICAL RISER DIAGRAM.
6. CONDUIT FOR MAINTENANCE BUILDING POWER & 3/4" EMPTY CONDUIT WITH PULL WIRE FOR FUTURE LOW VOLTAGE CABLING. ROUTE CONDUIT FOR FUTURE POWER FROM ELECTRICAL ROOM 276 UNDERGROUND & TERMINATE IN MAINTENANCE BUILDING. MINIMUM BURY 30"
7. TWO (2) 4" EMPTY CONDUITS WITH PULL WIRE FOR FUTURE SECURITY CAMERA CABLES. TERMINATE AT PROPERTY LINE AS DIRECTED BY TELEPHONE COMPANY. MINIMUM BURY 30"
8. 2#6 & 1#6 GROUND IN 3/4" CONDUIT
9. FLUSH GROUND MOUNTED WEATHERPROOF JUNCTION BOX FOR SIGN LIGHTING. LOCATION AS DIRECTED BY ARCHITECT
10. FLUSH MOUNTED, HEAVY DUTY, TOUCHDOWN LIGHT FIXTURE. MULLER-ICT MODEL #MLBM-PLB OR APPROVED EQUAL. TOTAL OF 8 FIXTURES.
11. CONNECT TO WALL SWITCH IN NURSE STATION 89
12. 2#6 & 1#6 GROUND IN 3/4" CONDUIT
13. 4" UNDERGROUND PRIMARY CONDUIT WITH PULL WIRE FOR FUTURE USE. TERMINATE AS DIRECTED BY UTILITY COMPANY. SEE ELECTRICAL RISER DIAGRAM
14. TYPE 'S' LIGHT FIXTURE
15. TYPE 'SS' LIGHT FIXTURE
16. TYPE 'S4' LIGHT FIXTURE
17. TYPE 'S5' LIGHT FIXTURE
18. TYPE 'S6' LIGHT FIXTURE
19. TYPE 'S7' LIGHT FIXTURE
20. TYPE 'S9' LIGHT FIXTURE
21. INSTALL OBSTRUCTION LIGHT FIXTURE AT TOP OF LIGHT POLE AS REQUIRED. OBSTRUCTION LIGHT FIXTURE SHALL BE FLIGHT LIGHT INC. MODEL 1D8634 OR APPROVED EQUAL
22. OBSTRUCTION LIGHT FIXTURE CIRCUIT: 2#8 & 1#8 GROUND IN 3/4" CONDUIT.
23. 3#8 & 1#6 GROUND IN 3/4" CONDUIT
24. EMERGENCY GENERATOR BATTERY CHARGER 600 WATTS 60/60/1. ROUGH-IN & CONNECT AS REQUIRED
25. EMERGENCY GENERATOR COOLANT HEATER 50 KW 208/60/1. ROUGH-IN & CONNECT AS REQUIRED
26. INSTALL EMERGENCY GENERATOR BLOCK HEATER. 1500 WATTS 120/60/1. ROUGH-IN & CONNECT AS REQUIRED. SEE ELECTRICAL RISER DIAGRAM.
27. LIGHTED WIND SOCK. FLIGHT LIGHT MODEL WD-806H-H-O. AS REQUIRED OR APPROVED EQUAL. ROUGH-IN & CONNECT AS REQUIRED
28. EMPTY CONDUIT WITH PULL WIRE. ROUTE UNDERGROUND FROM BULK OXYGEN STORAGE TANK TO EMERGENCY GENERATOR. REFER TO MECHANICAL SITE PLAN FOR CONTINUATION. COORDINATE WITH MEDICAL GAS SYSTEMS CONTRACTOR. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
29. EMPTY CONDUIT WITH PULL WIRE. ROUTE UNDERGROUND FROM BULK OXYGEN STORAGE TANK TO MEDICAL GAS SYSTEM MASTER ALARM PANEL IN NURSE STATION 89. COORDINATE LOCATIONS & TERMINATIONS WITH MEDICAL GAS SYSTEMS CONTRACTOR. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
30. WEATHERPROOF JUNCTION BOX FOR BULK OXYGEN TANK POWER. COORDINATE LOCATION & TERMINATION'S WITH MEDICAL GAS SYSTEMS CONTRACTOR
31. 2#4 & 1#4 GROUND IN 1" CONDUIT
32. SINGLE POINT CONNECTION FOR CHILLER INSTALLED UNDER ALTERNATE No. 10. 480/60/3. ROUGH-IN & CONNECT AS REQUIRED. SEE ELECTRICAL RISER DIAGRAM.
33. EMERGENCY GENERATOR INSTALLED UNDER ALTERNATE CONSTRUCTION ONLY. SEE ELECTRICAL RISER DIAGRAM.

MECHANICAL NOTES:

1. DIRECT-BURIED PRE-INSULATED 6"ø CHILLED WATER SUPPLY AND RETURN PIPING. MINIMUM BURIAL DEPTH SHALL BE 30". REFER TO MECHANICAL DRAWINGS FOR CH1 AND CH2. ROUTE INTO BUILDING FROM BELOW FOUNDATION AND ROUTE UP THRU FINISHED FLOOR IN MECHANICAL ROOM.
2. NEW AIR COOLED CHILLER (TYPICAL OF 2) MOUNT ON REINFORCED CONCRETE HOUSEKEEPING PAD. MAINTAIN CLEARANCES AS INDICATED BY DASHED LINES AROUND UNIT. REFER TO MECHANICAL SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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LICENSED PROFESSIONAL ENGINEER — OKLAHOMA — 21961 — 7/13/61
REGISTERED PROFESSIONAL ENGINEER — KANSAS — 21961 — 7/13/61

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Revision Number	Date	Description

Date: June 29, 2007
Job Number: 4-06030.00
Drawn By: RAC/RC/DBT
Checked By: BLS/HOB

PME 1.0

Mechanical/Electrical Site Plan

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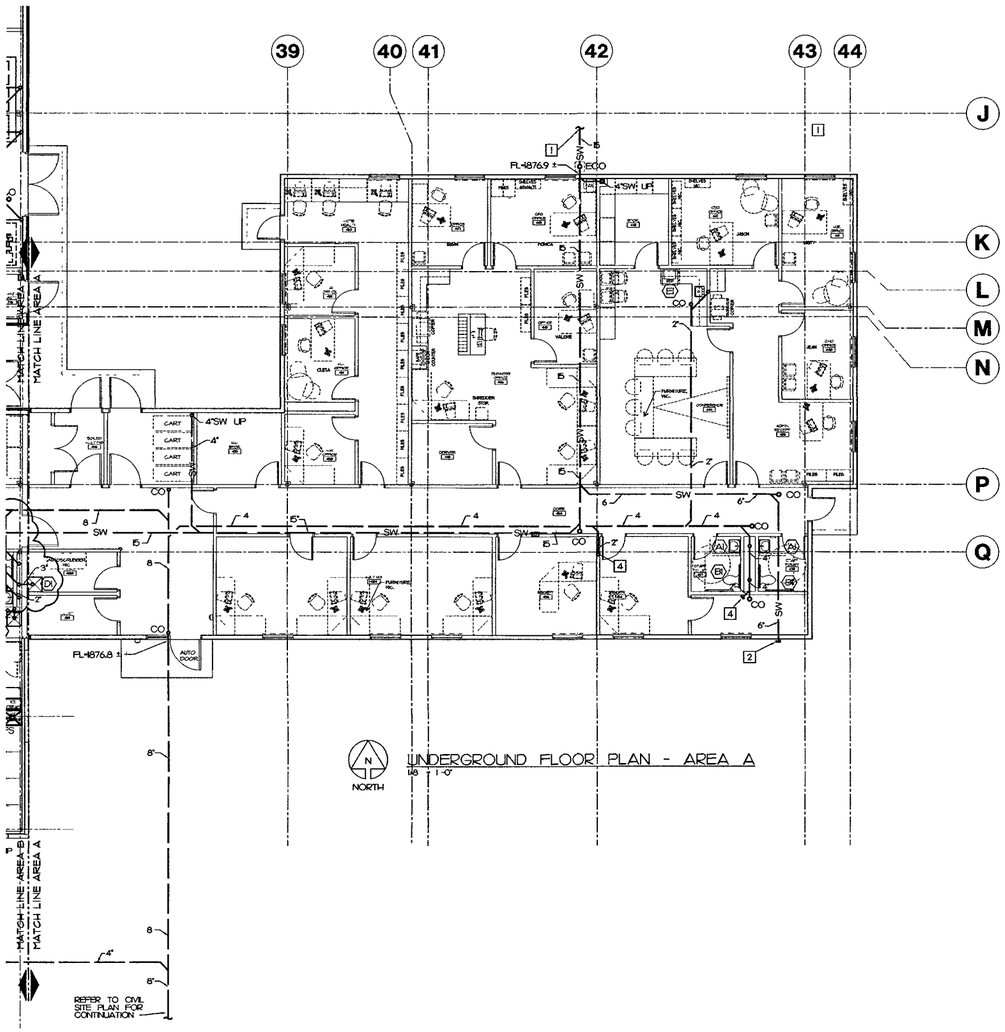


UNDERGROUND FLOOR PLAN - AREA A

1/8" = 1'-0"

NORTH

GENERAL PLUMBING NOTES

A. REFER TO PLUMBING SPECIFICATIONS AND ELSEWHERE IN DRAWINGS FOR FURTHER INFORMATION AND REQUIREMENTS FOR PLUMBING CONTRACTOR (PC)

B. ALL WORKMANSHIP SHALL BE FIRST CLASS, ACCEPTABLE TO THE OWNER

C. PROVIDE ITEMS AND WORK AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS TO FIXTURES AND EQUIPMENT: TRAPS, STRAINERS, GAUGES, GAS AND WATER PRESSURE REGULATORS, FLEXIBLE CONNECTIONS, STOP VALVES, UNIONS, ETCETERA. PROVIDE AND CONNECT PLUMBING PIPE FROM ROUGH-INS TO ITEMS AS SHOWN, SPECIFIED AND REQUIRED.

D. PROVIDE BACKFLOW PREVENTERS (BFP) IN WATER LINES ONLY IF REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF TYPE (VACUUM BREAKER, DOUBLE CHECK, REDUCED PRESSURE) AND MANUFACTURER APPROVED BY LOCAL AUTHORITIES, ONLY IN LOCATIONS REQUIRED

E. PROVIDE WATER CONSERVATION FIXTURES AND FEATURES AS REQUIRED BY LOCAL REGULATIONS.

F. ALL NATURAL GAS PIPING IN CEILING RETURN AIR PLENUM SPACES SHALL HAVE WELDED JOINTS AND FITTINGS. DO NOT LOCATE ANY SHUTOFF VALVES IN CEILING PLENUM SPACES.

G. SUSPEND ALL WATER PIPING FROM STRUCTURE ABOVE CEILING, AND ROUTE DOWN IN PARTITIONS TO SERVE VARIOUS FIXTURES AND EQUIPMENT AS SHOWN ON PLANS AND CALLED FOR IN SPECIFICATIONS.

H. REFER TO PLUMBING SPECIFICATIONS AND ELSEWHERE IN DRAWINGS FOR FURTHER INFORMATION ABOUT ITEMS FURNISHED AND WORK PERFORMED BY FOOD SERVICE EQUIPMENT CONTRACTOR (FSEC). VERIFY ROUGH-IN AND CONNECTION REQUIREMENTS WITH FSEC SHOP DRAWINGS.

I. COMPLY WITH LOCAL HEALTH DEPARTMENT (HD) REGULATIONS. OMIT ESCUTCHEONS IN FOOD SERVICE AREAS. SEAL PIPES NEATLY WITH GROUT AT WALL, FLOOR OR CEILING PENETRATIONS. OMIT INSULATION ON EXPOSED PIPING BEHIND AND UNDER EQUIPMENT. PROVIDE CLEARANCE BEHIND AND UNDER EXPOSED PIPING AS REQUIRED BY HD. WHEREVER POSSIBLE, INSTALL PIPING IN FOOD SERVICE AREAS CONCEALED. CONFORM TO HD REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS.

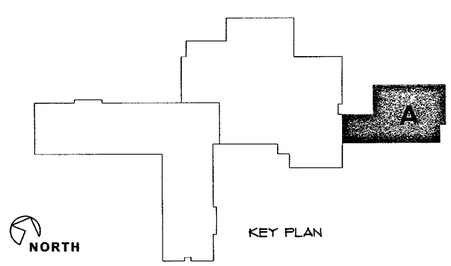
PLUMBING NOTES:

1. REFER TO CIVIL SITE PLAN DRAWING FOR CONTINUATION
2. CAP 6" STORM WATER LINE FOR FUTURE WITH FLOW LINE AT 30" BELOW FINISHED FLOOR
3. NOT USED
4. CAP 2" WASTE LINE FOR FUTURE
5. NOT USED

PLUMBING SYMBOLS

W	DOMESTIC WATER SERVICE
CW	COLD WATER (CW)
SW	SOFTENED WATER (SW)
MW	MECHANICAL MAKE-UP WATER (MW)
HW	HOT WATER (HW)
140°	HIGH TEMPERATURE HOT WATER (140°)
HWR	HOT WATER RECIRCULATING (HWR)
TW	TEMPERED WATER (TW)
FP	FIRE PROTECTION (FP)
G	NATURAL GAS (G)
LP	LIQUID PROPANE (LP)
V	VENT (V)
SAN	SANITARY WASTE - BELOW GRADE (SAN)
GW	GREASE WASTE (GW)
SW	STORM WATER - ABOVE GRADE (SW)
SW	STORM WATER - BELOW GRADE (SW)
OXY	OXYGEN (OXY)
N2O	NITROUS OXIDE (N2O)
VAC	VACUUM (VAC)
WAGD	WASTE ANESTHETIC GAS DISPOSAL
A	MEDICAL AIR (A)
	BALL VALVE
	CHECK VALVE
	GAS SHUTOFF VALVE
	UNION
	BALANCING VALVE
	BACKFLOW PREVENTER
	MEDICAL GAS PIPE SENSOR & WIRING
	ZONE VALVE CABINET
	MASTER OR AREA ALARM & WIRING
CO O	FINISHED FLOOR CLEANOUT
WCO	WALL CLEANOUT
ECO O	EXTERIOR CLEANOUT
WH	WALL HYDRANT
FD	FLOOR DRAIN
FS	FLOOR SINK
RFD	RECESSED FLOOR DRAIN
RD ORD	ROOF DRAIN / OVERFLOW ROOF DRAIN
O2	MEDICAL GAS – OXYGEN OUTLET
VAC	MEDICAL GAS – VACUUM OR LAB VACUUM OUTLET
AIR	MEDICAL GAS – MEDICAL AIR OUTLET
AFF AFG	ABOVE FINISHED FLOOR / GRADE
VTR	VENT THRU ROOF

ALTERNATE No. 12
NOT USED



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CHRISTOPHER R BOULDIN
22276
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7/13/07

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	RAC
Checked By	CRB

Revisions

Number	Date	Description
1	7/13/07	GMP SET

P1.01

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Underground Floor Plan-Area A

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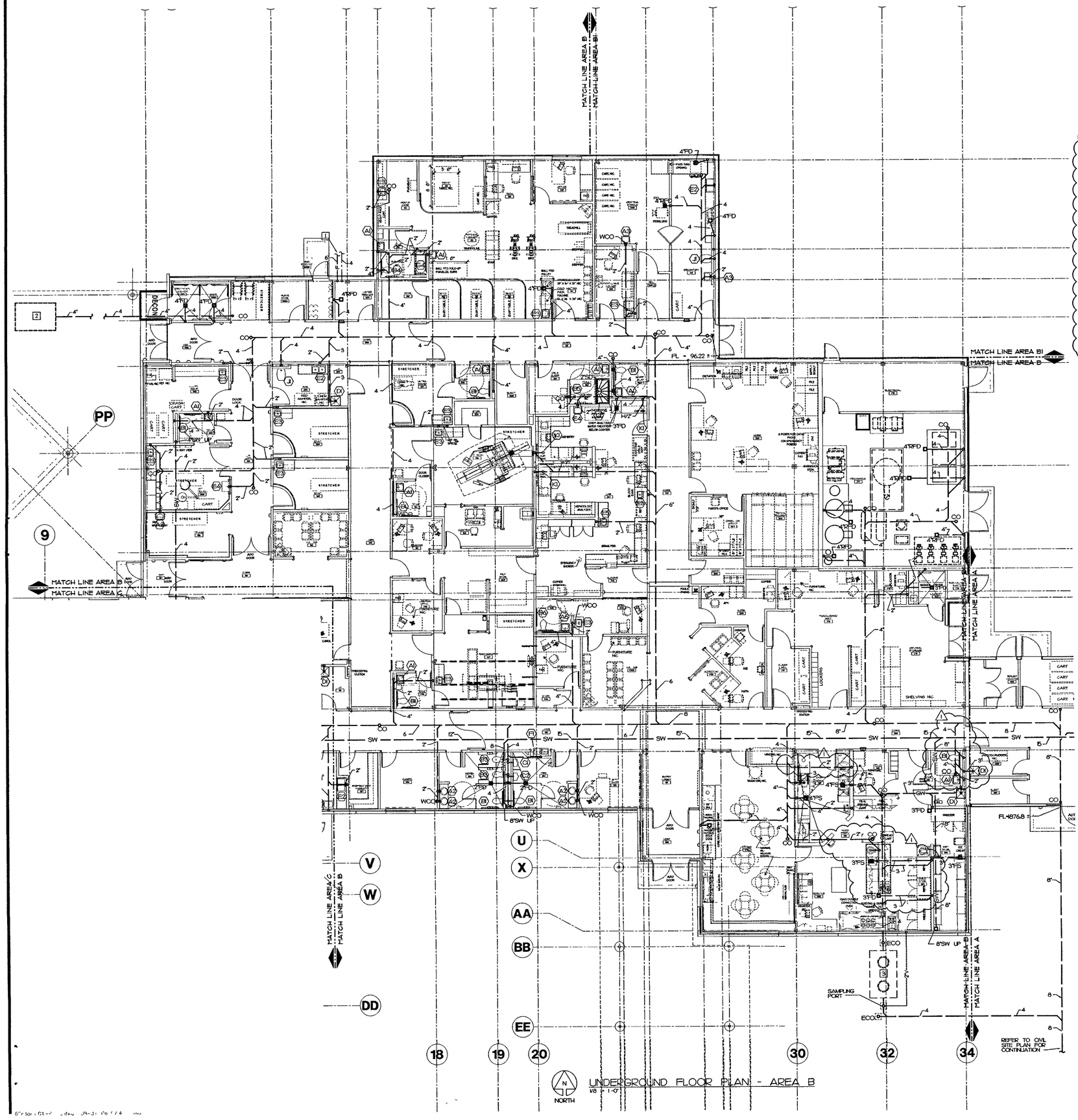
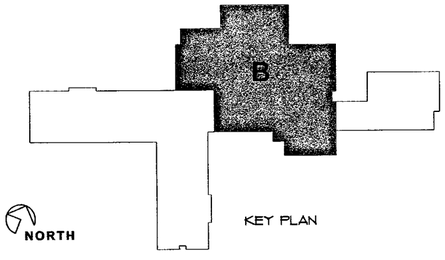


UNDERGROUND FLOOR PLAN - AREA B
1/8" = 1'-0"

ALTERNATE No. 3
NOT USED

PLUMBING NOTES

1. STUB FIRE PROTECTION AND DOMESTIC WATER SERVICE FROM 5'-0" OUTSIDE BUILDING TO 1'-0" ABOVE FINISHED FLOOR REFER TO MECHANICAL SITE PLAN DRAWINGS FOR CONTINUATION.
2. PROVIDE 1000 GALLON UNDER GROUND WATER STORAGE TANK FOR DECONTAMINATION AREA WATER STORAGE TANK SHALL BE 1000 GALLON HORIZONTAL UST-HIGHGUARD EXTERNALLY PROTECTED SINGLE WALL MILD CARBON STEEL 4' DIA. x 10'-9" LONG EXTERIOR COATING- HIGHGUARD, POLYURETHANE INTERNAL COATING W/SP-10 STEEL GRIT BLAST 4'-0" POLYESTER HOLDDOWN STRAP W/GALVANIZED TB, HTSP-H, NEMA 4X-SINGLE CHANNEL CONTROL PANEL (IPH-60H-Z-115V) MONITORS THE HIGH FLUID LEVEL SENSOR, HTSP-H FLOAT HIGH FLUID LEVEL SENSOR W/40' CABLE SET AT 80% TANK FULL. HIGHLAND TANK MFG CO PROVIDE A 6" THICK CONCRETE PAD 6' LARGER THAN THE TANK IN ALL DIRECTIONS, PROVIDE WITH MANUAL RELEASE VALVE. REFER TO MECHANICAL SITE PLAN FOR EXACT LOCATION.
3. 1000 GALLON PRECAST CONCRETE UNDERGROUND GREASE INTERCEPTOR - REFER TO DETAIL SHEET P5-0.
4. NOT USED
5. CAP 4" SANITARY WASTE PIPING 3' BELOW FINISHED FLOOR SLAB FOR FUTURE.



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1	6/1/07	ADD NO 2
2	7/13/07	GMP SET

P1.02

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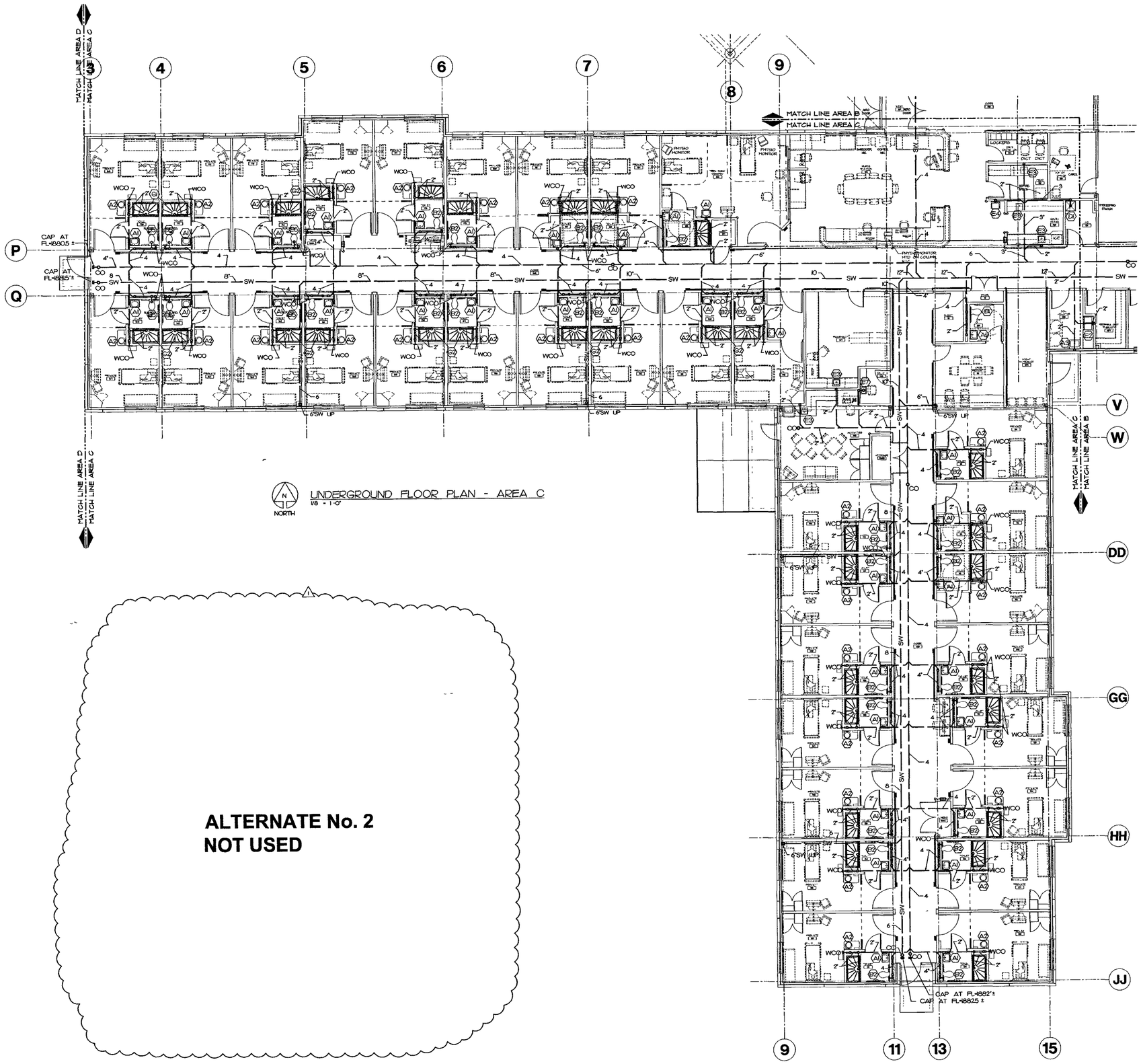
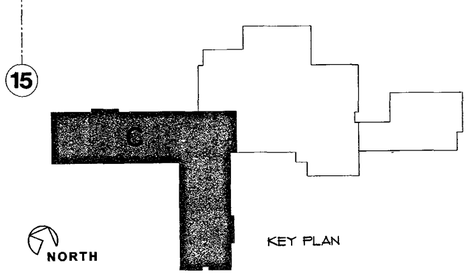
Underground Floor Plan-Area B



UNDERGROUND FLOOR PLAN - AREA C
1/8" = 1'-0"

ALTERNATE No. 2
NOT USED



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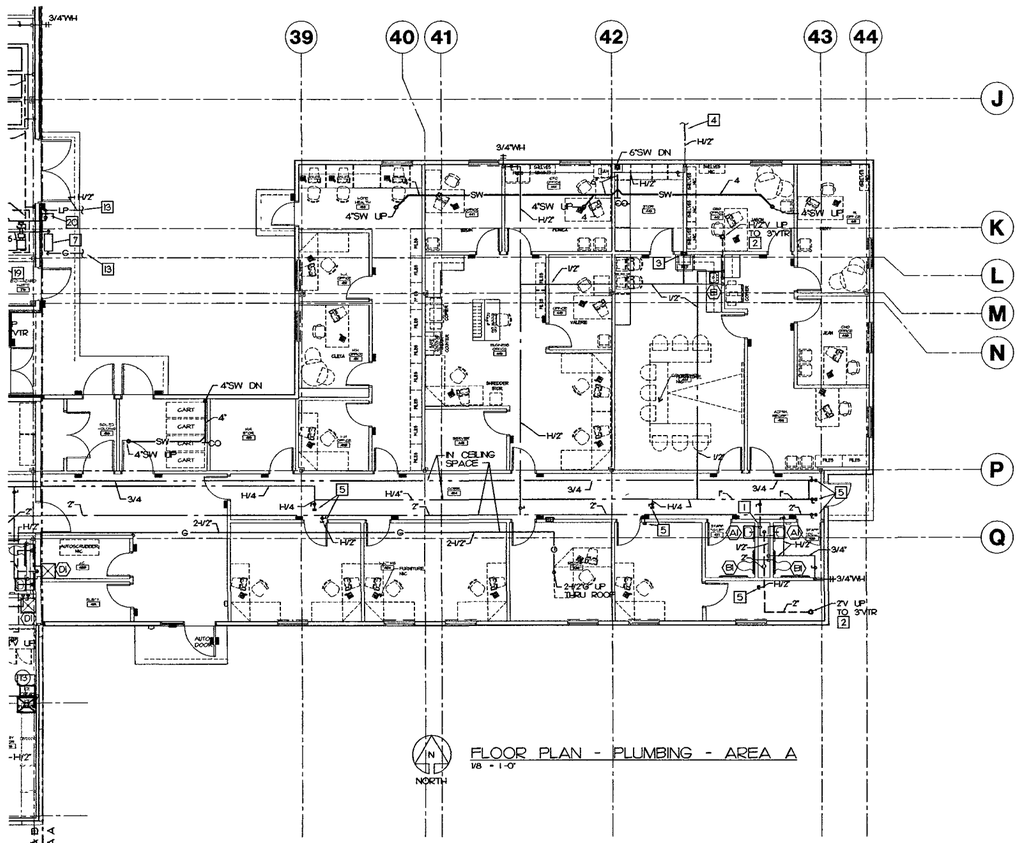
Underground Floor Plan-Area C



FLOOR PLAN - PLUMBING - AREA A
1/8 - 1'-0"

NORTH

GENERAL PLUMBING NOTES

A. REFER TO PLUMBING SPECIFICATIONS AND ELSEWHERE IN DRAWINGS FOR FURTHER INFORMATION AND REQUIREMENTS FOR PLUMBING CONTRACTOR (PC).

B. ALL WORKMANSHIP SHALL BE FIRST CLASS, ACCEPTABLE TO THE OWNER.

C. PROVIDE ITEMS AND WORK AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS TO FIXTURES AND EQUIPMENT. TRAPS, STRAINERS, GAUGES, GAS AND WATER PRESSURE REGULATORS, FLEXIBLE CONNECTIONS, STOP VALVES, UNIONS, ETCETERA. PROVIDE AND CONNECT PLUMBING PIPE FROM ROUGH-INS TO ITEMS AS SHOWN, SPECIFIED AND REQUIRED.

D. PROVIDE BACKFLOW PREVENTERS (BFP) IN WATER LINES ONLY IF REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF TYPE (VACUUM BREAKERS, DOUBLE CHECK, REDUCED PRESSURE) AND MANUFACTURER APPROVED BY LOCAL AUTHORITIES, ONLY IN LOCATIONS REQUIRED.

E. PROVIDE WATER CONSERVATION FIXTURES AND FEATURES AS REQUIRED BY LOCAL REGULATIONS.

F. ALL NATURAL GAS PIPING IN CEILING RETURN AIR PLENUM SPACES SHALL HAVE WELDED JOINTS AND FITTINGS. DO NOT LOCATE ANY SHUTOFF VALVES IN CEILING PLENUM SPACES.

G. SUSPEND ALL WATER PIPING FROM STRUCTURE ABOVE CEILING, AND ROUTE DOWN IN PARTITIONS TO SERVE VARIOUS FIXTURES AND EQUIPMENT AS SHOWN ON PLANS AND CALLED FOR IN SPECIFICATIONS.

H. REFER TO PLUMBING SPECIFICATIONS AND ELSEWHERE IN DRAWINGS FOR FURTHER INFORMATION ABOUT ITEMS FURNISHED AND WORK PERFORMED BY FOOD SERVICE EQUIPMENT CONTRACTOR (FSEC). VERIFY ROUGH-IN AND CONNECTION REQUIREMENTS WITH FSEC SHOP DRAWINGS.

I. COMPLY WITH LOCAL HEALTH DEPARTMENT (HD) REGULATIONS. OMIT ESCUTCHEONS IN FOOD SERVICE AREAS. SEAL PIPES NEATLY WITH GROUT AT WALL, FLOOR OR CEILING PENETRATIONS. OMIT INSULATION ON EXPOSED PIPING BEHIND AND UNDER EQUIPMENT. PROVIDE CLEARANCE BEHIND AND UNDER EXPOSED PIPING AS REQUIRED BY HD. WHEREVER POSSIBLE, INSTALL PIPING IN FOOD SERVICE AREAS CONCEALED. CONFORM TO HD REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS.

PLUMBING NOTES

1. ROUTE WATER PIPING DOWN INSIDE WALL WITH HORIZONTAL BRANCHES IN WALL TO SERVE VARIOUS FIXTURES AND/OR EQUIPMENT.
2. PROVIDE VENT THRU ROOF IN THIS VICINITY.
3. PROVIDE REFRIG. ICE MAKER BOX WITH 1/2" QUARTER TURN SHUT OFF VALVE.
4. REFER TO CIVIL PLAN FOR CONTINUATION.
5. CAP FOR FUTURE.
6. OMITTED
7. OMITTED
8. OMITTED

FIRE PROTECTION NOTES

1. GENERAL -- PROVIDE LIGHT HAZARD SPRINKLER COVERAGE THROUGHOUT ENTIRE FLOOR AREA UNLESS OTHERWISE NOTED OR INDICATED. SPRINKLER SHALL BE FLUSH TYPE IN PUBLIC CORRIDORS AND WAITING AREAS, SEMI-RECESSED ELSEWHERE.
2. PROVIDE SPRINKLER COVERAGE AS PER N.F.P.A. REQUIREMENTS.
3. PROVIDE ORDINARY HAZARD SPRINKLER COVERAGE IN THIS AREA.

ALTERNATE No. 12
NOT USED

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SAYRE, OKLAHOMA

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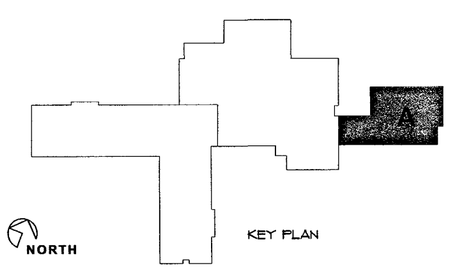

P2.01

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Floor Plan-Plumbing-Area A

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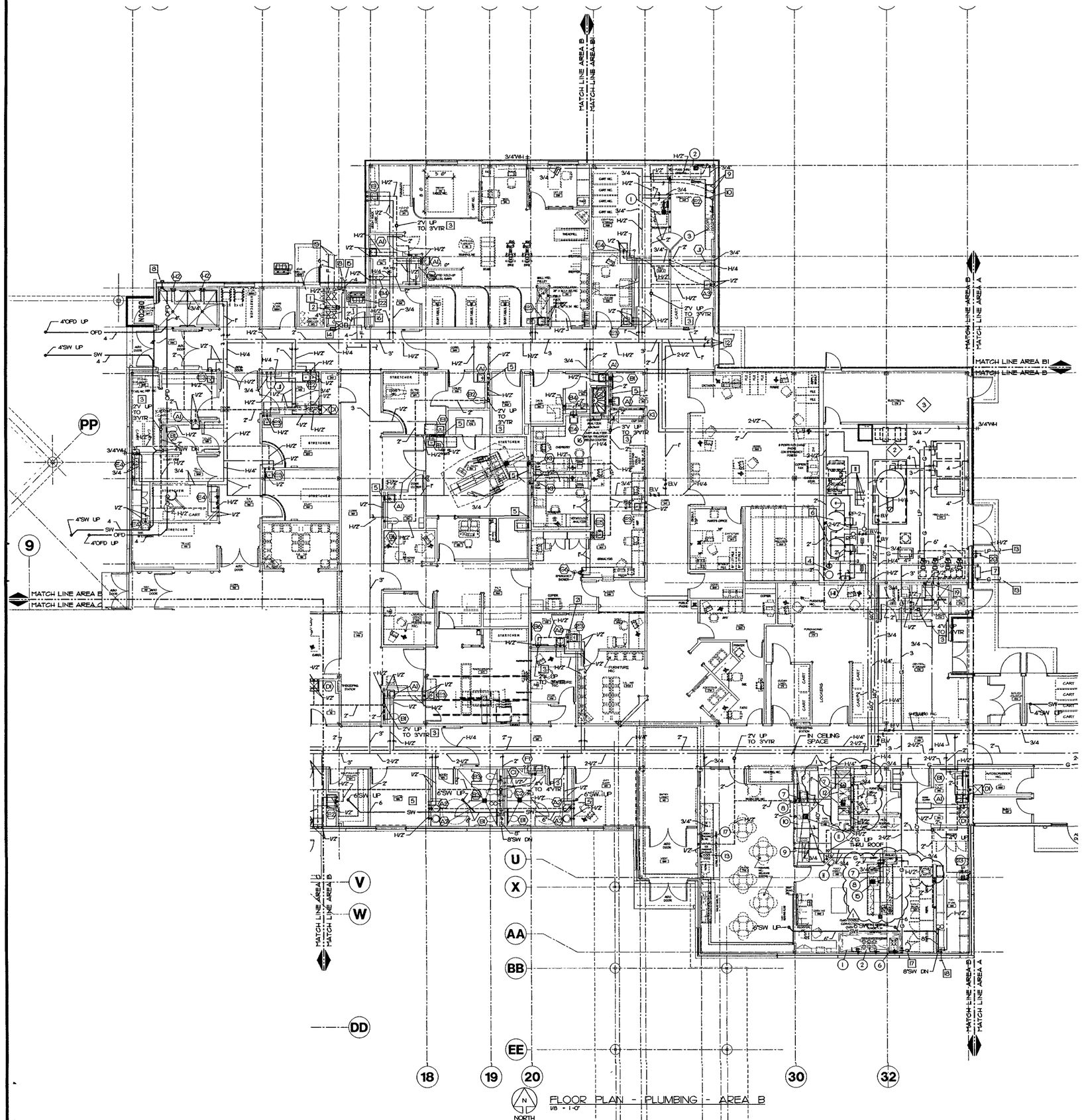
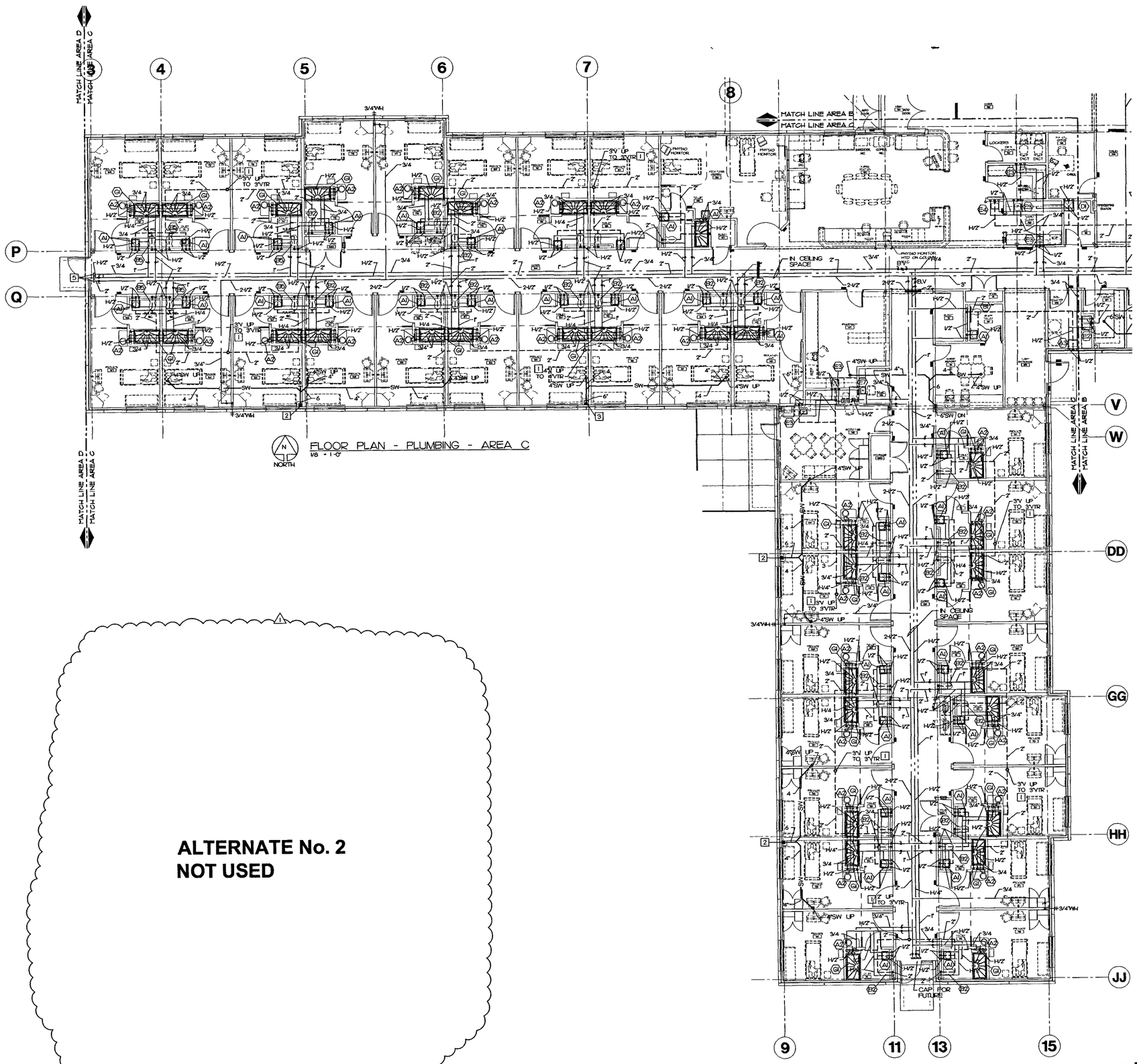

MATCH LINE AREA B
MATCH LINE AREA B1
MATCH LINE AREA A
MATCH LINE AREA B1
MATCH LINE AREA B
MATCH LINE AREA C
MATCH LINE AREA B
MATCH LINE AREA A
MATCH LINE AREA B
MATCH LINE AREA A
Vestibule
PP
4"OFD UP
OFD
4"SW UP
SW
4"OFD UP
4"SW UP
SW
OFD
4"OFD UP
2V UP TO 3VTR
3V UP TO 3VTR
2V UP TO 3VTR
2V UP TO 3VTR
2



FLOOR PLAN - PLUMBING - AREA C

1/8 - 1'-0"

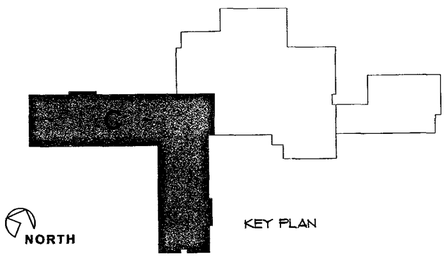
ALTERNATE No. 2
NOT USED

PLUMBING NOTES

1. PROVIDE VENT THRU ROOF IN THIS VICINITY
2. FOR CONTINUATION OF 6" STORM PIPE SEE DRAWING P1.03.
3. FOR CONTINUATION OF 8" STORM PIPE SEE DRAWING P1.03.
4. ROUTE WATER PIPING DOWN INSIDE WALL WITH HORIZONTAL BRANCHES IN WALL TO SERVE VARIOUS FIXTURES AND/OR EQUIPMENT.
5. 2" CW, H/Z HW, AND 3/4 HWR PIPES VALVED AND CAPPED FOR FUTURE.

FIRE PROTECTION NOTES

1. GENERAL – PROVIDE LIGHT HAZARD SPRINKLER COVERAGE THROUGHOUT ENTIRE FLOOR AREA. UNLESS OTHERWISE NOTED OR INDICATED SPRINKLER SHALL BE FLUSH TYPE IN PUBLIC CORRIDORS AND WAITING AREAS, SEMI-RECESSED ELSEWHERE.
2. PROVIDE SPRINKLER COVERAGE AS PER N.F.P.A. REQUIREMENTS.
3. PROVIDE ORDINARY HAZARD SPRINKLER COVERAGE IN THIS AREA.



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Floor Plan-Plumbing-Area C

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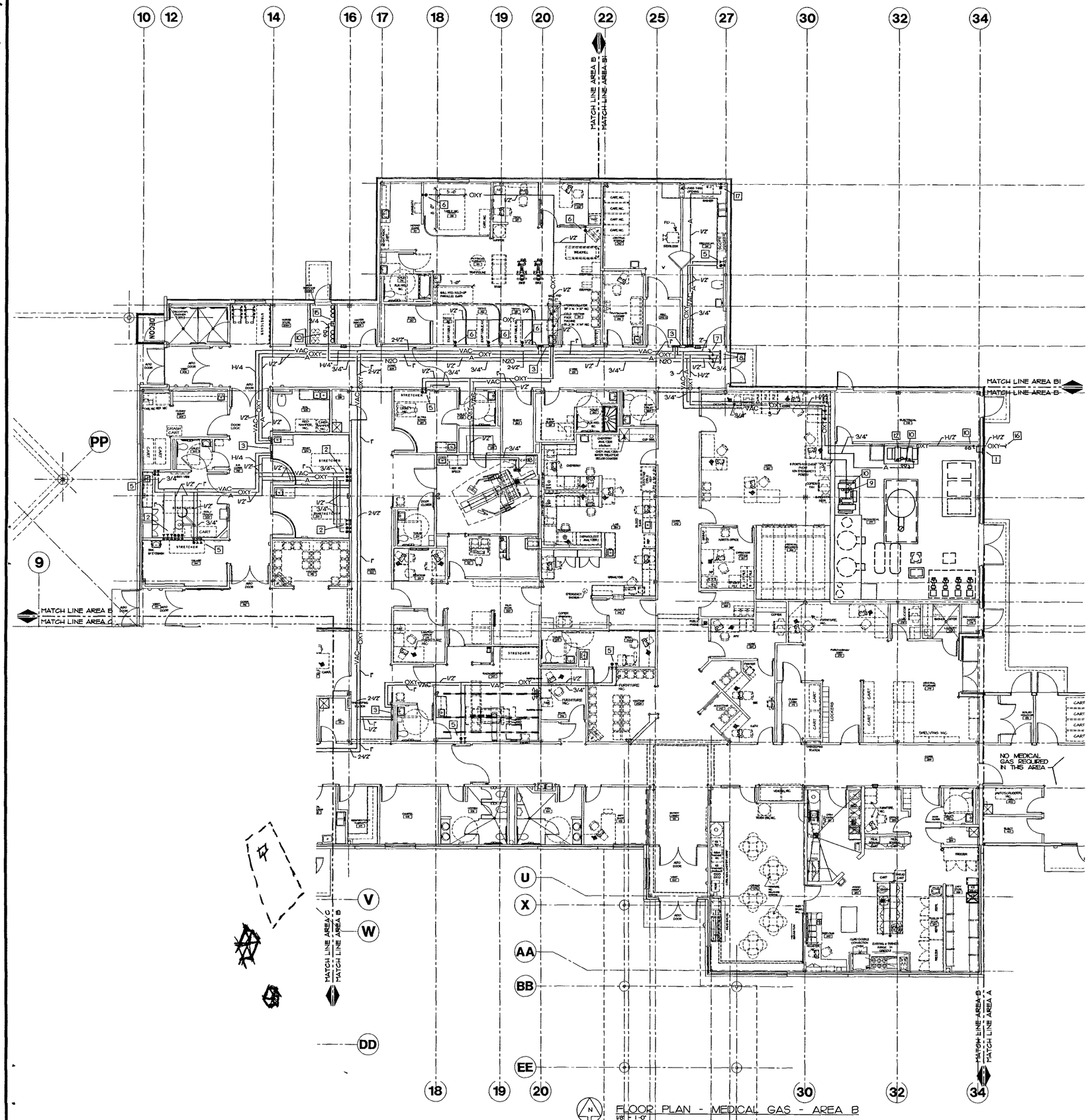


FLOOR PLAN - MEDICAL GAS - AREA B

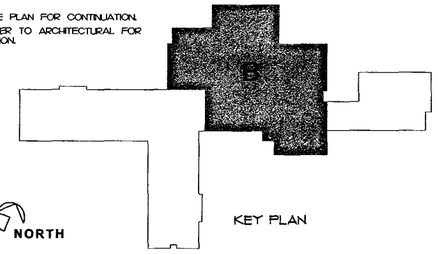
1/8" = 1'-0"

ALTERNATE No. 3
NOT USED

8'- East Wall
48" Ht WALL

PLUMBING NOTES

1. EMERGENCY OXYGEN INLET STATION - REFER TO DETAIL SHEET P-5.01.
2. OXYGEN, MEDICAL AIR & VACUUM OUTLETS - PROVIDE VACUUM SLIDE FOR EACH VACUUM OUTLET - REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION & ELEVATION.
3. MEDICAL GAS ZONE VALVES WITH PRESSURE GAUGES FOR GASES SHOWN.
4. DISS CEILING MEDICAL GAS OUTLETS WITH HOSE DROPS @ OXYGEN, @ MEDICAL AIR, @ NITROUS OXIDE, @ VACUUM, & @ WAGD OUTLETS - REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.
5. OXYGEN & VACUUM OUTLETS - PROVIDE VACUUM SLIDE FOR EACH VACUUM OUTLET - REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION & ELEVATION.
6. OXYGEN OUTLET - REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION & ELEVATION.
7. MEDICAL GAS SERVICE VALVE, LOCKABLE AND TAGGED
8. CAP OXYGEN, MEDICAL AIR & VACUUM FOR FUTURE EXTENSION. PROVIDE LOCKABLE BALL VALVES FOR MEDICAL GASES - SIZES AS SHOWN.
9. DUPLEX TANK MOUNTED HIGH EFFICIENCY DRY CLAW MEDICAL VACUUM PUMP (2) 5 HP, WITH 50 SCFM @ 19" Hg. MOUNTED ON 120 GALLON RECEIVER TANK, CONNECT EXHAUST LINE FROM EACH PUMP TOGETHER AND EXTEND 2" EXHAUST PIPE UP THROUGH ROOF WITH SCREENED TURNED DOWNED ELL. TERMINATE DRAIN LINE OVER RFD - EXTEND ALARM WIRING TO MASTER ALARM PANEL AT ENGINEER'S OFFICE & EMERGENCY NURSE S STATION.
10. MAIN LINE SHUT OFF VALVE WITH SENSOR AND PRESSURE GAUGE.
11. AUDIBLE VISUAL ALARM PANEL FOR MEDICAL GASES SHOWN WITH 1/2" SENSOR LINES.
12. DUPLEX TANK MOUNTED MEDICAL AIR COMPRESSOR (2) 5 HP, TOTAL 10 HP WITH 165 SCFM @ 100 PSIG EACH PUMP MOUNTED ON 120 GALLON RECEIVER TANK, CONNECT INTAKE LINES FROM EACH PUMP TOGETHER AND EXTEND INTAKE PIPE UP THROUGH ROOF WITH SCREENED TURNED DOWNED ELL. TERMINATE DRAIN LINE OVER RFD - EXTEND ALARM WIRING TO MASTER ALARM PANEL AT ENGINEER S OFFICE & EMERGENCY NURSE S STATION.
13. DISS CEILING MEDICAL GAS OUTLETS WITH HOSE DROPS @ OXYGEN & @ VACUUM OUTLETS - REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.
14. CAP OXYGEN, MEDICAL AIR, NITROUS OXIDE & VACUUM FOR FUTURE EXTENSION. PROVIDE LOCKABLE BALL VALVES FOR MEDICAL GASES - SIZES AS SHOWN.
15. NITROUS OXIDE MANIFOLD - 3 X 3 MANIFOLD (3) PRIMARY CYLINDERS WITH (3) RESERVE CYLINDERS. REFER TO SPECIFICATION.
16. REFER TO MECHANICAL SITE PLAN FOR CONTINUATION.
17. MEDICAL AIR OUTLET - REFER TO ARCHITECTURAL FOR EXACT LOCATION & ELEVATION.



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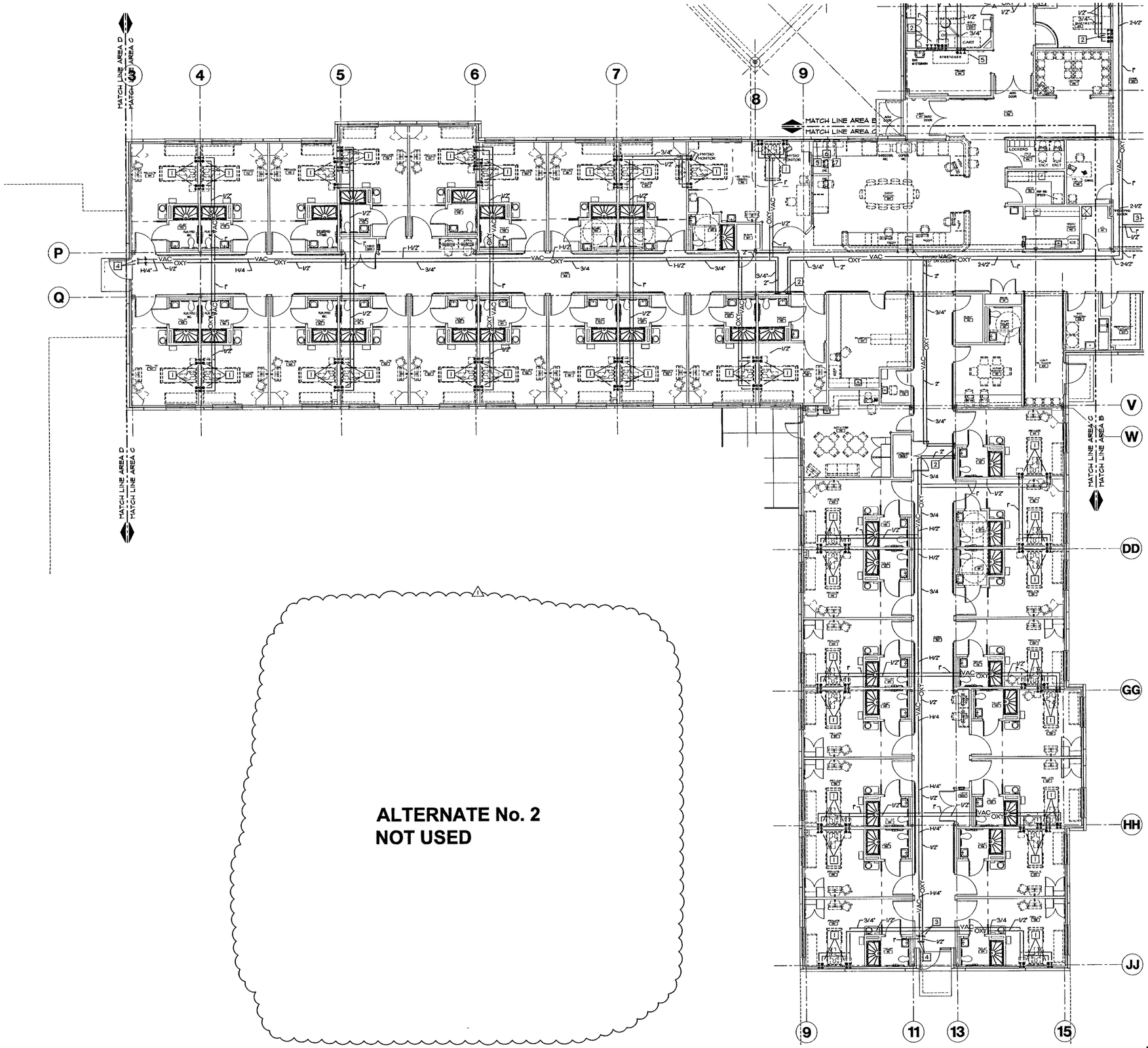
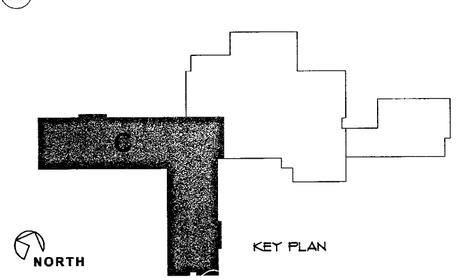
Floor Plan-Medical Gas-Area B



ALTERNATE No. 2
NOT USED

FLOOR PLAN - MEDICAL GAS - AREA C
1/8" = 1'-0"



KEY PLAN

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PLUMBING NOTES

1. OXYGEN & VACUUM OUTLETS - PROVIDE VACUUM SLIDE FOR EACH VACUUM OUTLET - REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION & ELEVATION.
2. MEDICAL GAS ZONE VALVES WITH PRESSURE GAUGES FOR MEDICAL GASES SHOWN.
3. MEDICAL GAS SERVICE VALVE, LOCKABLE AND TAGGED.
4. CAP OXYGEN AND VACUUM FOR FUTURE EXTENSION. PROVIDE LOCKABLE BALL VALVES FOR MEDICAL GASES - SIZES AS SHOWN.
5. PROVIDE AUDIBLE / VISUAL ALARM PANEL WITH SENSOR LINES TO MEDICAL GAS LINES SERVING EMERGENCY ROOM, TRIAGE, AND PRE/POST OPERATION ROOMS.
6. PROVIDE AUDIBLE ALARM PANEL WITH SENSOR LINES TO MEDICAL GAS LINES MEDICAL/SURGICAL OBSERVATION ROOM.
7. PROVIDE MEDICAL GAS MASTER ALARM PANEL IN THIS LOCATION AND SENSORS AND SWITCHES AT SOURCE EQUIPMENT PER SPECIFICATIONS.
8. OMMITED

PLUMBING SYMBOLS

OXY	OXYGEN
VAC	VACUUM
A	MEDICAL AIR
N2O	NITROUS OXIDE
WAGD	WASTE ANESTHETIC GAS DISPOSAL
	OXYGEN OUTLET
	VACUUM OUTLET
	MEDICAL AIR

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Floor Plan-Medical Gas-Area C

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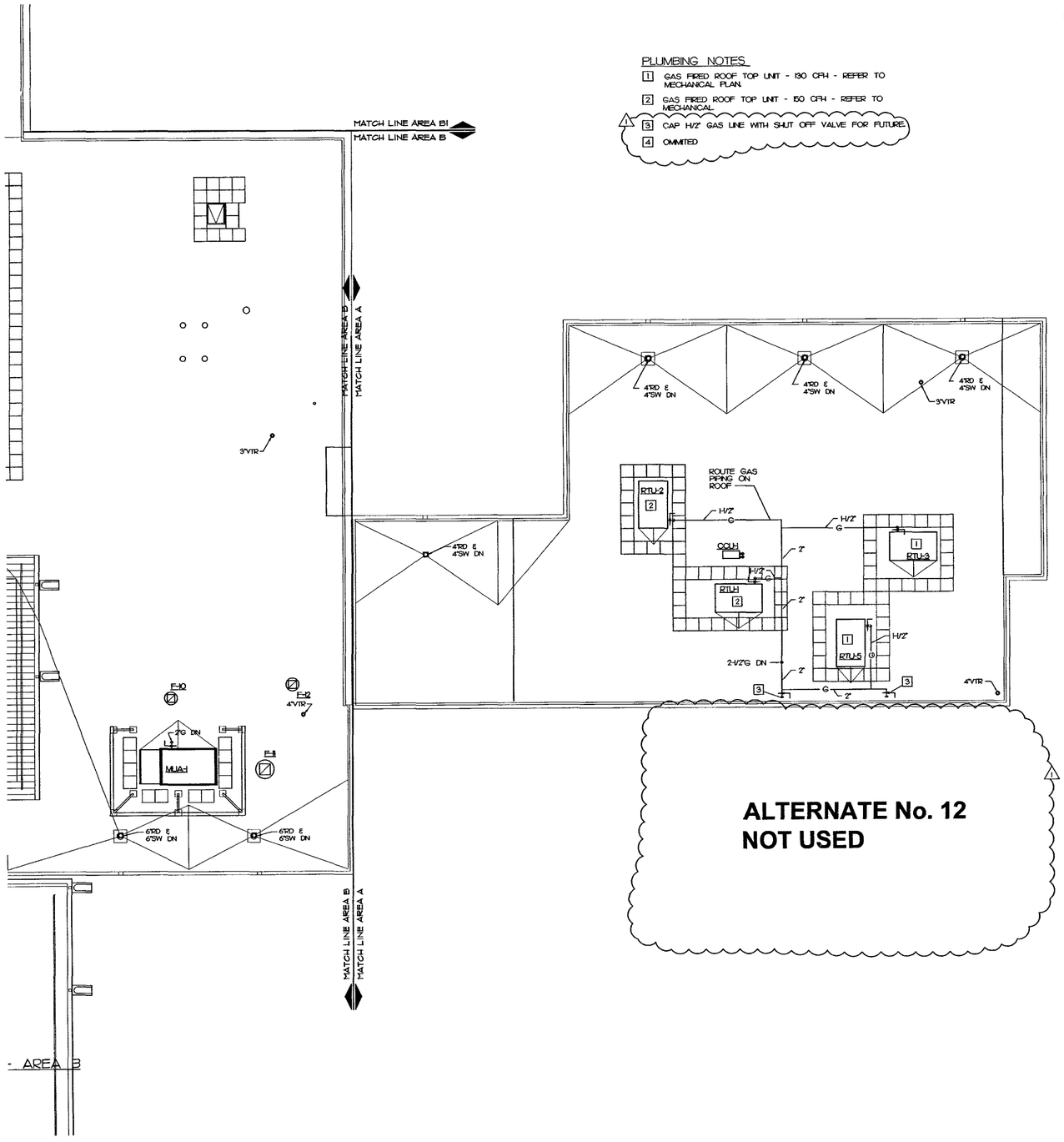
PLUMBING NOTES

1. GAS FIRED ROOF TOP UNIT - 130 CFH - REFER TO MECHANICAL PLAN.
2. GAS FIRED ROOF TOP UNIT - 150 CFH - REFER TO MECHANICAL
3. CAP 1-1/2" GAS LINE WITH SHUT OFF VALVE FOR FUTURE.
4. OMMITED



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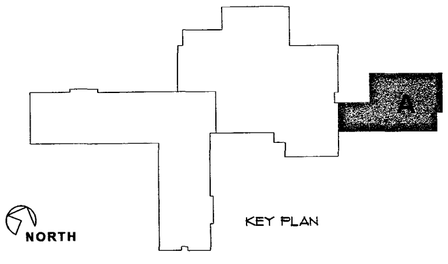

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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Kansas City, Mo 64111
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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	RAC
Checked By	CRB

Revisions

Number	Date	Description
1	7/13/07	GMP SET

P4.01

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Roof Plan-Plumbing-Area A

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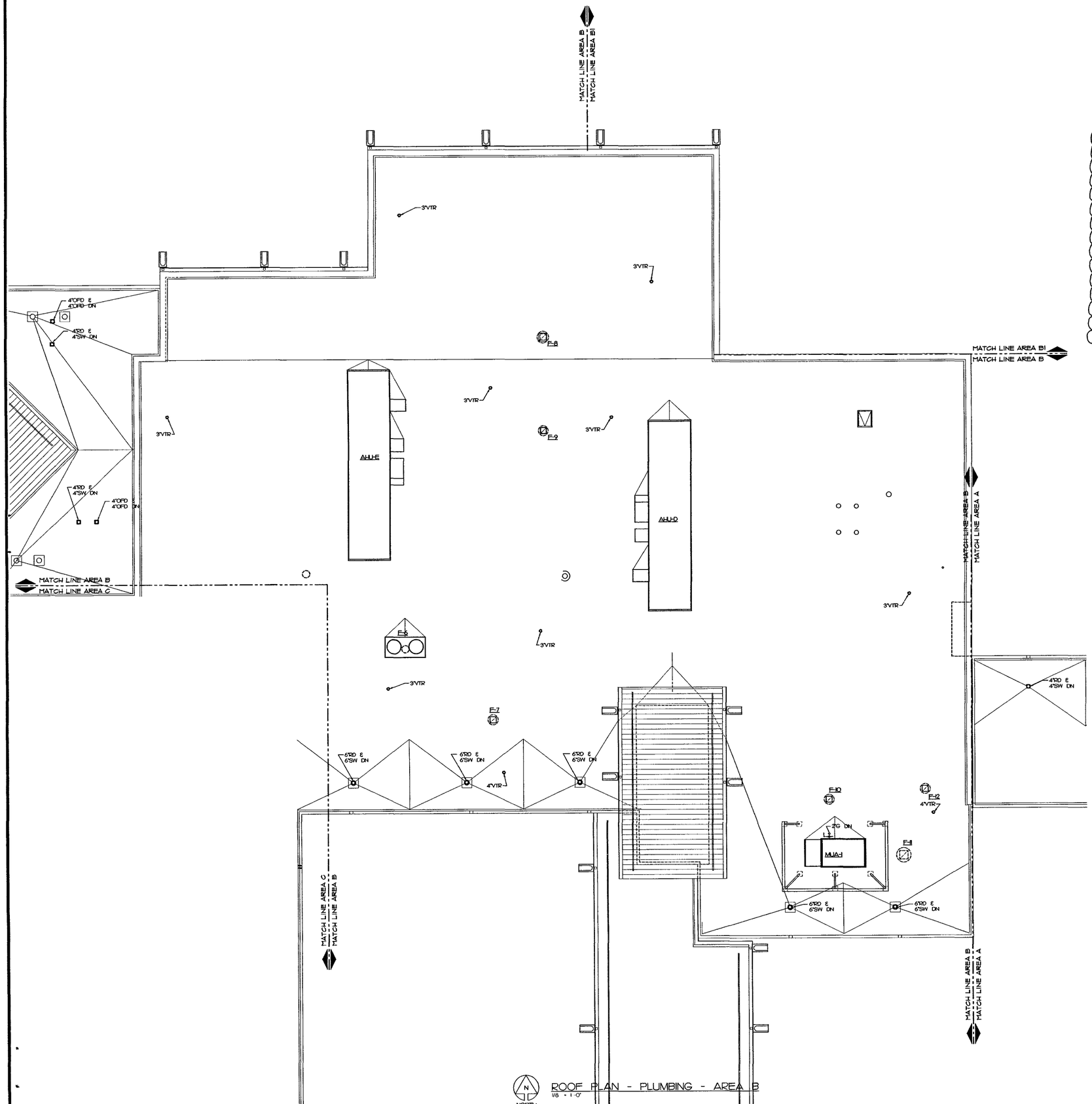
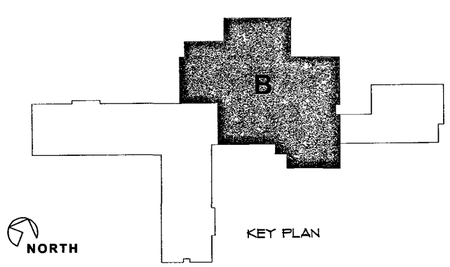


ROOF PLAN - PLUMBING - AREA B
1/8" = 1'-0"

ALTERNATE No. 3
NOT USED



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	RAC
Checked By	CRB

Revisions

Number	Date	Description
1	7/13/07	GMP SET

P4.02

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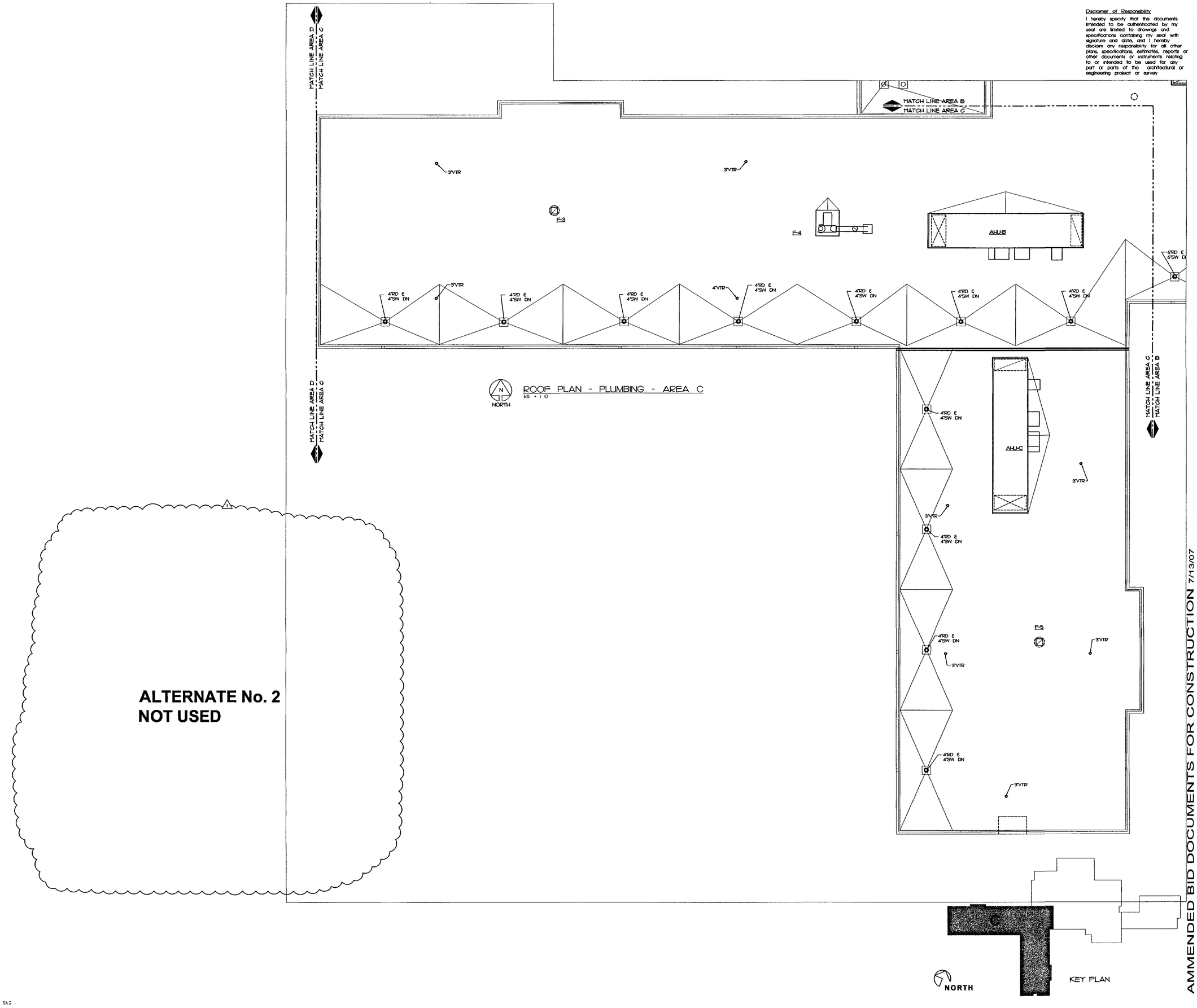
Roof Plan-Plumbing-Area B



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CHRISTOPHER R BOULDIN
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OKLAHOMA
7/13/07

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SAYRE, OKLAHOMA

Date	June 29 20
Job Number	4-06033
Drawn By	R
Checked By	C

Revisions

Number	Date	Descript
1	7/13/07	GMP SE

P4.03

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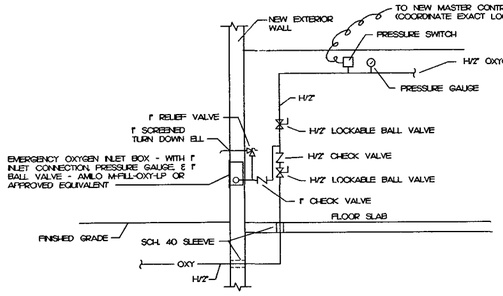
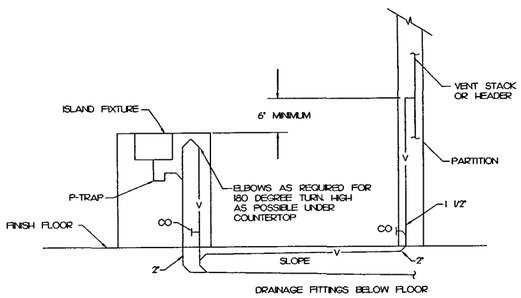
Roof Plan-Plumbing-Area C



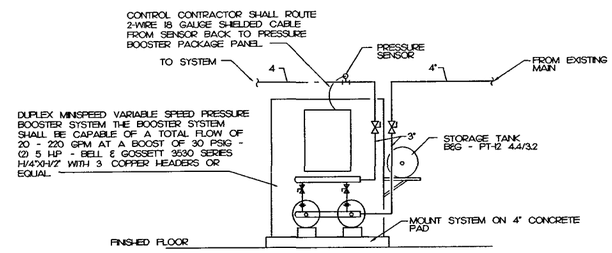
EMERGENCY OXYGEN INLET DETAIL
NOT TO SCALE

PLUMBING EQUIPMENT SCHEDULE

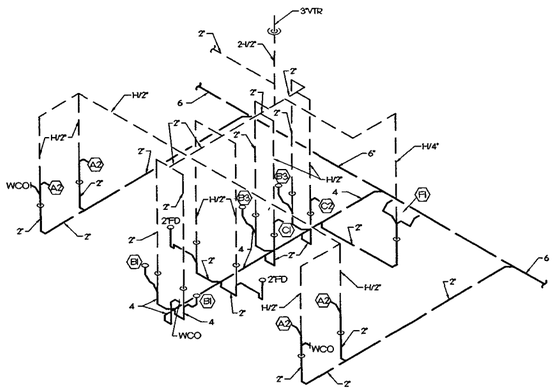
ITEM NO.	DESCRIPTION	PIPE SIZE CONNECTIONS CW	HW	W	V	REMARKS
A1	ADA LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	WALL HUNG
A2	ADA LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	BOWL INTEGRAL WITH COUNTERTOP
A3	ADA LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	WALL HUNG
A4	ADA LAVATORY - WALL HUNG	1/2"	1/2"	1 1/2"	1 1/2"	W/ VANDAL PROOF FAUCET
A5	ADA LAVATORY - COUNTER	1/2"	1/2"	1 1/2"	1 1/2"	W/ VANDAL PROOF FAUCET
A6	ADA LAVATORY - WALL HUNG	1/2"	1/2"	1 1/2"	1 1/2"	ELECTRONIC
B1	ADA WATER CLOSET	1"	-	4	2"	WALL HUNG
B2	ADA WATER CLOSET	1"	-	4"	2"	WALL HUNG W/ BED PAN WASHER
B3	WATER CLOSET	1"	-	4"	2"	WALL HUNG
B4	ADA WATER CLOSET	1"	-	4"	2"	FLOOR MOUNTED
B5	ADA WATER CLOSET	1"	-	4"	2"	FLOOR MTD W/ BED PAN WASHER
B6	ADA WATER CLOSET	1"	-	4	2"	WALL HUNG - ELECTRONIC
B7	ADA WATER CLOSET	1"	-	4	2"	FLOOR MTD- ELECTRONIC
C1	URINAL	3/4	-	2"	H/2"	
C2	ADA URINAL	3/4"	-	2"	H/2"	
D1	SERVICE BASIN	1/2"	1/2"	3"	H/2"	
E1	SINGLE COMPARTMENT SINK	1/2"	1/2"	H/2"	H/2"	COUNTER
E2	TWO COMPARTMENT SINK	1/2"	1/2"	H/2"	H/2"	COUNTER
E3	EXAM SINK	1/2"	1/2"	H/2"	H/2"	COUNTER
E4	EXAM SINK	1/2"	1/2"	H/2"	H/2"	WALL HUNG
E5	EXAM SINK WITH EYE WASH	1/2"	1/2"	H/2"	H/2"	WALL HUNG
E6	SCRUB SINK 2 STATIONS	(2) 1/2"	(2) 1/2"	(2)1 1/2"	H/2"	
E7	SALON SINK	1/2"	1/2"	H/2"	H/2"	WALL HUNG
F1	BI-LEVEL DRINKING WATER COOLER	1/2"	-	H/2"	H/2"	
G1	ADA SHOWER (34"x62")	1/2"	1/2"	2	H/2"	
G2	ADA SHOWER (36"x36")	1/2"	1/2"	2"	H/2"	
G3	ADA SHOWER (34x62")	1/2"	1/2"	2"	H/2"	VANDAL PROOF SHOWER VALVE
G4	ADA BATHTUB/SHOWER	1/2"	1/2"	H/2"	H/2"	W/ SHOWER AT BOTH ENDS
G5	BATHTUB/SHOWER	1/2"	1/2"	H/2"	H/2"	W/ VANDAL PROOF VALVES
G6	EMERGENCY SHOWER	1/2"	1/2"	-	-	W/ TEMPERING VALVE
H1	MIXING VALVE	2"	2"	-	-	
H2	MIXING VALVE	1/2"	1/2"	-	-	DECONTAMINATION SHOWER
J1	CLINICAL SINK	1"	1/2"	4"	2"	
K1	CUP SINK	1/2"	-	H/2"	H/2"	



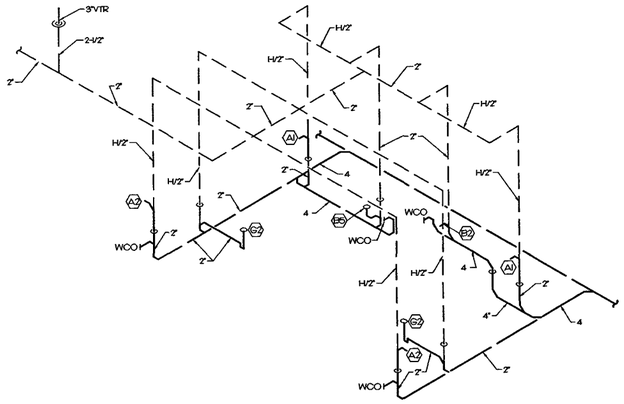
ISLAND SINK VENTING
NOT TO SCALE



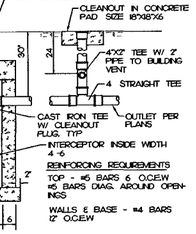
VARIABLE SPEED PRESSURE BOOSTER SYSTEM
NOT TO SCALE



PUBLIC RESTROOM WASTE AND VENT RISER
NOT TO SCALE

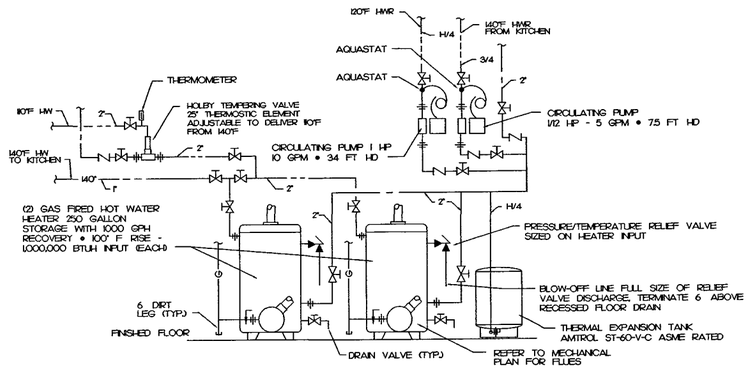


TYPICAL PATIENT BATHROOM WASTE AND VENT RISER
NOT TO SCALE (OTHER BATHROOMS SIMILAR)

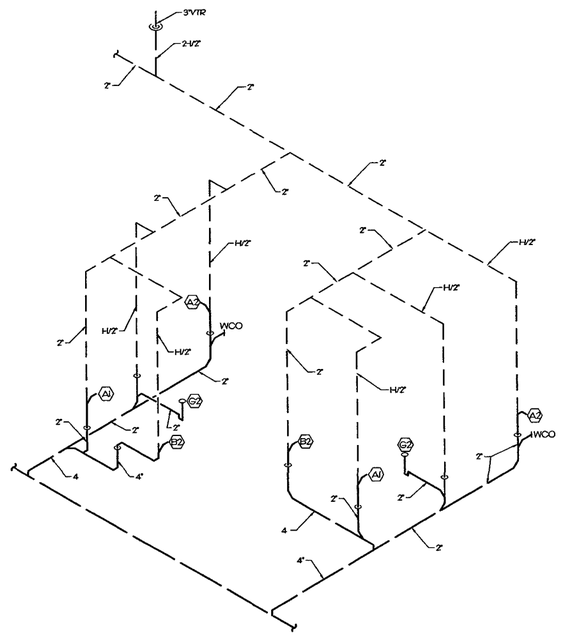


GREASE INTERCEPTOR
NOT TO SCALE

GREASE INTERCEPTOR SHOWN IS A MANUFACTURED PRECAST 1000 GAL. CAPACITY UNIT INSTALLATION SHALL MEET ALL LOCAL CODE REQUIREMENTS.



HOT WATER HEATER DETAIL
NOT TO SCALE



TYPICAL PATIENT BATHROOM WASTE AND VENT RISER
NOT TO SCALE (OTHER BATHROOMS SIMILAR)

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7/13/07

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033 00
Drawn By	RAC
Checked By	CRB

Revisions

Number	Date	Description

P5.01

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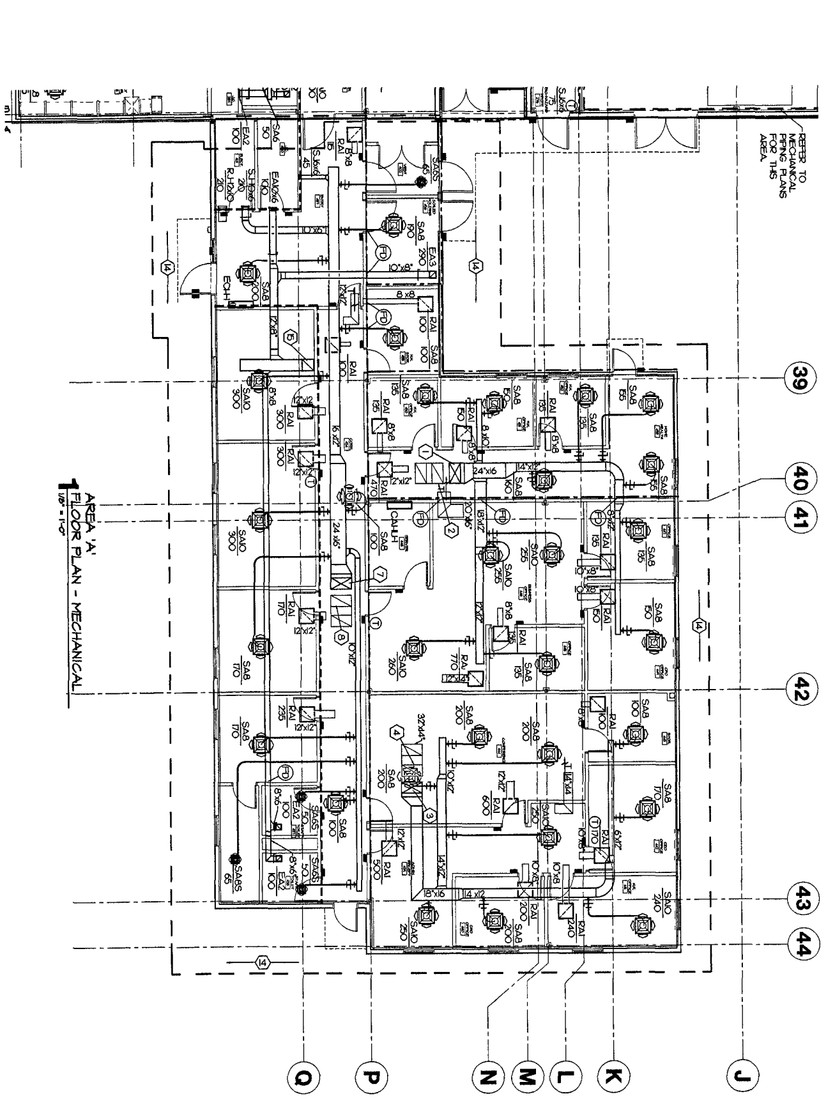
Plumbing Details & Schedules



AREA 'A' FLOOR PLAN - MECHANICAL
1/8" = 1'-0"

MECHANICAL NOTES:

1. ROUTE SUPPLY DUCT UP TO RTU2 ON ROOF
2. ROUTE RETURN DUCT UP TO RTU2 ON ROOF
3. ROUTE SUPPLY DUCT UP TO RTU3 ON ROOF
4. ROUTE RETURN DUCT UP TO RTU3 ON ROOF
5. DELETED
6. DELETED
7. ROUTE SUPPLY DUCT UP TO RTU1 ON ROOF
8. ROUTE RETURN DUCT UP TO RTU1 ON ROOF
9. DELETED
10. DELETED
11. DELETED
12. DELETED
13. DELETED
14. UNDER BASE BID PROVIDE A TOTAL OF 32 FIRE DAMPERS AS DETAILED ON SHEET M5.01 IN THE FIRE SEPARATION LID LOCATED ON THE BOTTOM OF THE WOOD JOISTS FOR CODE REQUIRED ATTIC COMPARTMENTATION. THE ENTIRE CLING SPACE THROUGHOUT THE ENTIRE CLING SPACE EVERYTHING SOUTH OF COLUMN 34. INSTALL THE APPROPRIATE SIZED DAMPERS AS SHOWN ON THE ATTIC PROTECTION COMPARTMENT PLAN. THE NUMBER OF DAMPERS BASED ON THE SQUARE FOOTAGE THAT SMOKE COMPARTMENT AS A RATIO OF THE ENTIRE ATTIC SPACE OF 5204 SQUARE FEET. EACH SMOKE COMPARTMENT SHALL HAVE 2 DAMPERS BECAUSE 2000 SQUARE FEET DIVIDED BY 5204 SQUARE FEET MULTIPLIED BY 32 DAMPERS EQUALS 13 DAMPERS. SEE ARCHITECTURAL PLANS FOR ATTIC SMOKE COMPARTMENT BARRIERS. INSTALL DAMPERS ACCORDING TO DESIGN REQUIREMENTS. DAMPERS SHALL BE 1 HOUR RATING. NUMBER AND SIZES SHALL BE PER PLANS. POTTORFF MODEL CFD-250-BT OR PRE-APPROVED EQUAL
15. ROUTE WAH EXHAUST DUCT UP TO FAN FA5 ON ROOF
16. DELETED
17. DELETED
18. DELETED

ALTERNATE NO. 12
NOT USED

NORTH

KEY PLAN

A

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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22278
1/19/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Revisions		
Number	Date	Description
1	7/13/2007	ADDENDUM #1

Date: June 29, 2007
Job Number: 4.06033.00
Drawn By: GLM
Checked By: CHB

M1.01

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A06A3 A 8 A1 FLOOR PLAN - MECHANICAL

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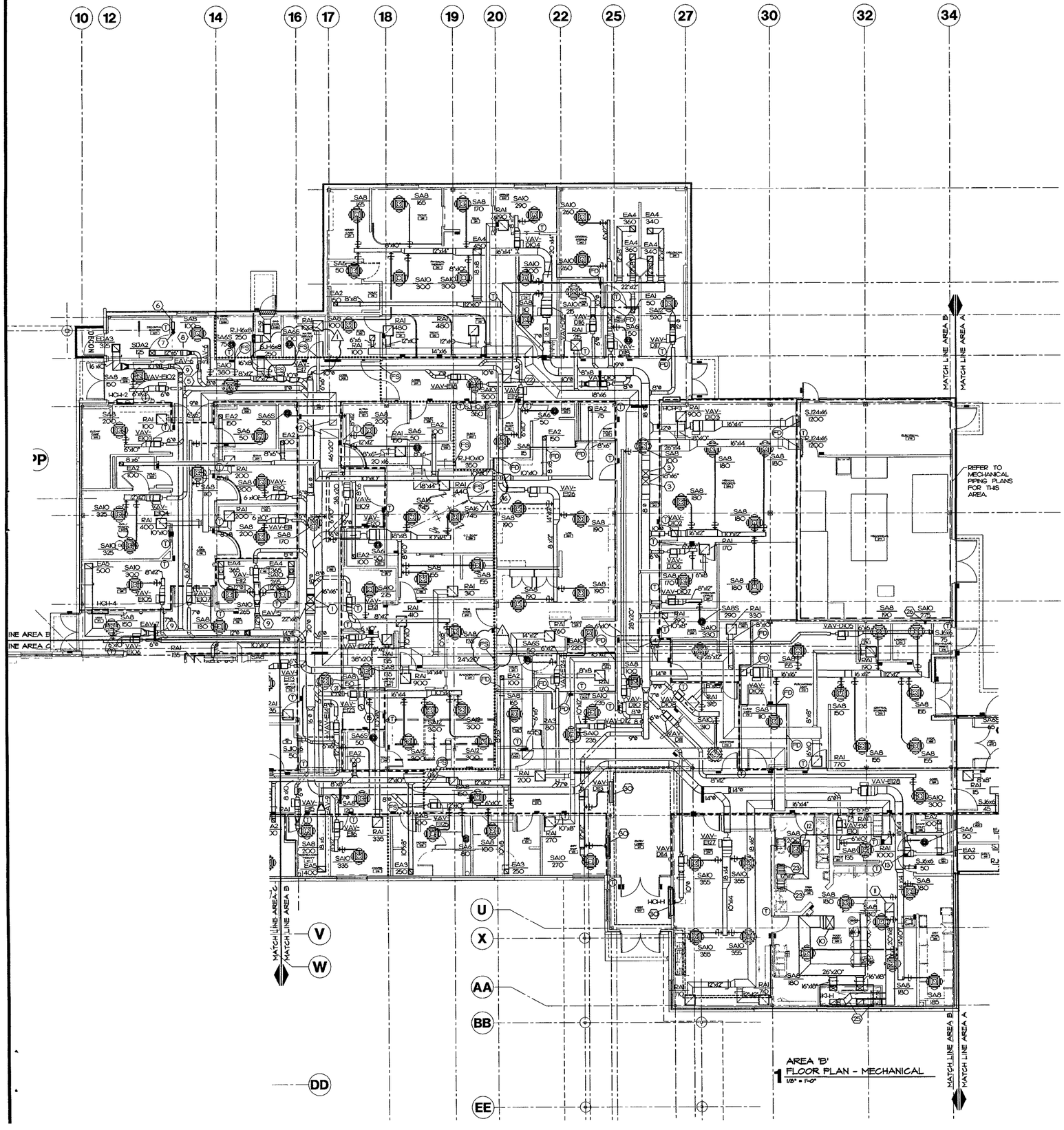
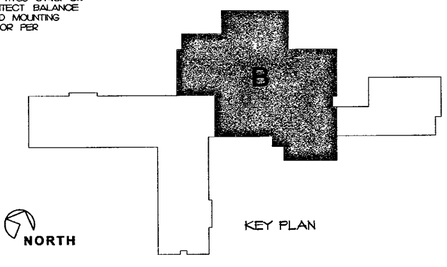


AREA 'B'
1 FLOOR PLAN - MECHANICAL
1/8" = 1'-0"

ALTERNATE No. 3
NOT USED

MECHANICAL NOTES:

1. ROUTE SUPPLY DUCT UP TO AHU-E ON ROOF
2. ROUTE RETURN DUCT UP TO AHU-E ON ROOF
3. ROUTE SUPPLY DUCT UP TO AHU-D ON ROOF
4. ROUTE RETURN DUCT UP TO AHU-D ON ROOF
5. MASTER SUPPLY AIR VALVE WITH MASTER CONTROLLER AIRFLOW AS SCHEDULE.
6. AIR PRESSURE MONITOR AND ALARM.
7. ROOM AIRFLOW SELECTION SWITCH.
8. HEATING WATER COIL.
9. EXHAUST AIR VALVE. AIRFLOW AS SCHEDULED
10. ROUTE 20"x30" SUPPLY DUCT UP TO MUA-1 ON ROOF
11. ROUTE 20"x20" EXHAUST DUCT UP TO F-11 ON ROOF
12. ROUTE 12"x12" EXHAUST DUCT UP TO F-10 ON ROOF
13. ROUTE 14"x14" EXHAUST DUCT UP TO F-12 ON ROOF
14. ROUTE 18"x18" EXHAUST DUCT UP TO F-7 ON ROOF
15. ROUTE 14"ø EXHAUST DUCT UP TO F-6 ON ROOF
16. ROUTE 14"x14" EXHAUST DUCT UP TO F-9 ON ROOF
17. DELETED
18. DELETED
19. DELETED
20. DELETED
21. STATIC PRESSURE SENSOR SHALL BE LOCATED IN EXHAUST DUCT
22. ROUTE 14"x14" EXHAUST DUCT UP TO F-8 ON ROOF
23. CONNECT TO DISHWASHER HOOD FIELD VERIFY DUCT CONNECTIONS. BALANCE ENTRY SIDE TO 200 CFM. BALANCE DISCHARGE SIDE TO 400 CFM.
24. DELETED.
25. 12"x12" EXHAUST DUCT DOWN TO KITCHEN HOOD EXHAUST CONNECTION COLLAR ROUTE AND CONNECT AS REQUIRED
26. ROUTE 4" DRYER EXHAUST DUCT CONCEALED UP IN WALL THRU ROOF TERMINATE IN ROOM A MINIMUM OF 8' A.F.F. AND PER MANUFACTURER RECOMMENDATIONS.
27. DELETED
28. DELETED
29. DELETED
30. LINEAR BAR SUPPLY DIFFUSER SHALL BE TITUS CT48I OR APPROVED EQUIVALENT FINISH PER ARCHITECT. BALANCE TO 250 CFM. COORDINATE LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DOCUMENT OR PER ARCHITECT INSTRUCTION.



CHRISTOPHER R BOULDIN 22276 REGISTERED PROFESSIONAL ENGINEER OKLAHOMA 7/13/07

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SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
Drawn By	GLM
Checked By	CRB

Revisions

Number	Date	Description
1	7/13/2007	GMP SET

M1.02

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AREA B & B1 FLOOR PLAN - MECHANICAL

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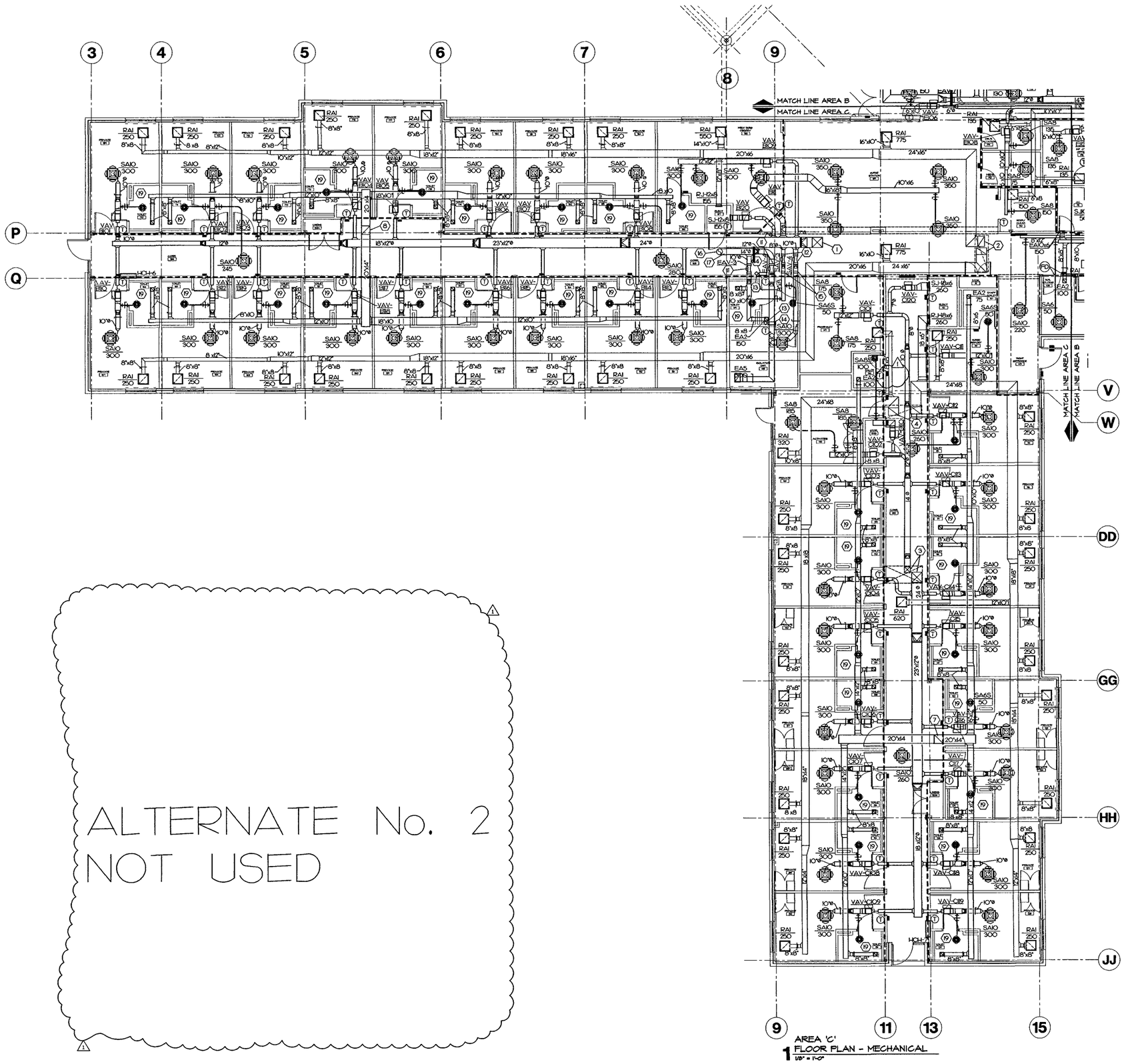
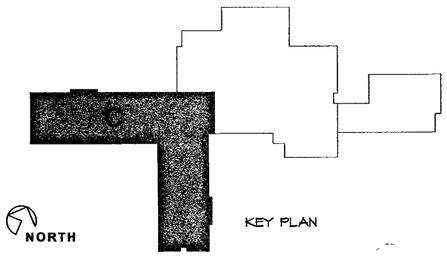


1 AREA 'C' FLOOR PLAN - MECHANICAL
1/8" = 1'-0"

ALTERNATE No. 2
NOT USED

MECHANICAL NOTES

1. ROUTE SUPPLY DUCT UP TO AHU-B ON ROOF
2. ROUTE RETURN DUCT UP TO AHU-B ON ROOF
3. ROUTE SUPPLY DUCT UP TO AHU-C ON ROOF
4. ROUTE RETURN DUCT UP TO AHU-C ON ROOF
5. DELETED
6. DELETED
7. ROUTE 20"x20" EXHAUST DUCT UP TO F-5 ON ROOF
8. ROUTE 20"x20" EXHAUST DUCT UP TO F-3 ON ROOF
9. DELETED
10. DELETED
11. EXHAUST AIR VALVE, AIRFLOW AS SCHEDULED
12. MASTER SUPPLY AIR VALVE WITH MASTER CONTROLLER AIRFLOW AS SCHEDULE.
13. ROOM AIRFLOW SELECTION SWITCH.
14. AIR PRESSURE MONITOR AND ALARM.
15. HEATING WATER COIL.
16. ROUTE 14"Ø EXHAUST DUCT UP TO F-4 ON ROOF
17. STATIC PRESSURE SENSOR SHALL BE LOCATED IN EXHAUST DUCT
18. ROUTE 4" DRYER EXHAUST DUCT OUT THRU WALL. TERMINATE IN ROOM 8" ABOVE FINISHED FLOOR PER MANUFACTURER RECOMMENDATIONS. TERMINATE ON EXTERIOR WALL A MINIMUM OF 18" ABOVE FINISHED GRADE WITH WALL VENT AND PEST GUARD PER MANUFACTURER RECOMMENDATIONS AND IN A MANNER ACCEPTABLE TO THE ARCHITECT
19. SUPPLY AND EXHAUST REGISTERS AND DIFFUSERS IN SHOWER ROOMS SHALL BE OF ALUMINUM CONSTRUCTION. ALL DUCTS AND DAMPERS BACK TO SUPPLY OR EXHAUST MAINS SHALL BE ALUMINUM CONSTRUCTION. SUPPLY DIFFUSERS SHALL BE TYPE SAAAS BALANCED TO 50 CFM. EXHAUST REGISTERS SHALL BE TYPE EB2 BALANCED TO 100 CFM.



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7/13/07

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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AREAS C & D FLOOR PLAN - MECHANICAL

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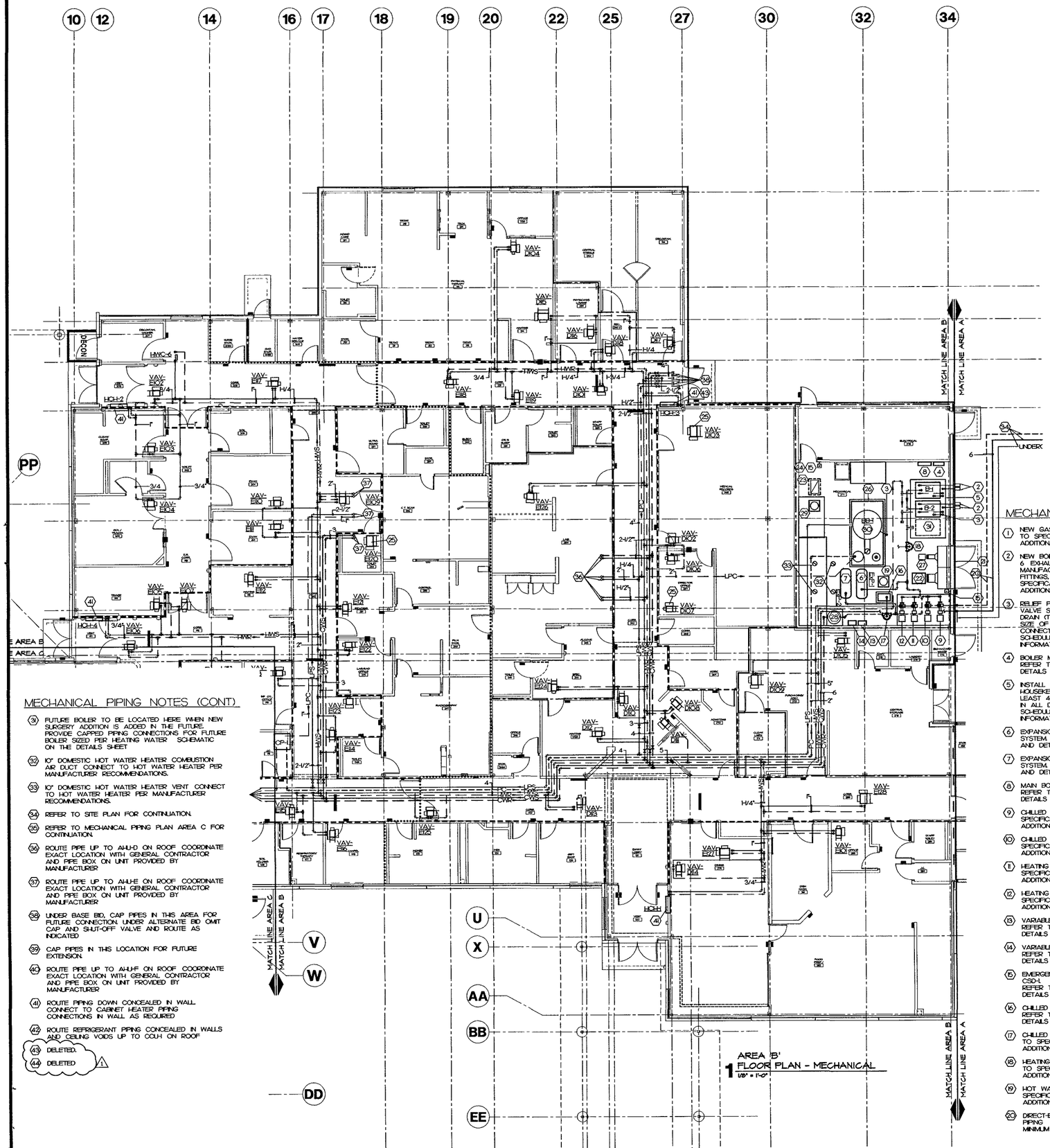


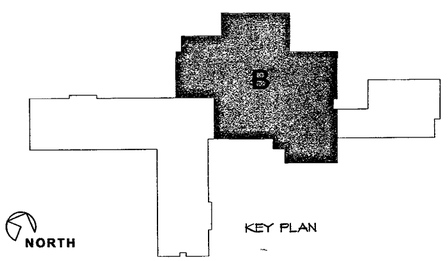
ALTERNATE No. 3
NOT USED

MECHANICAL PIPING NOTES:

1. NEW GAS-FIRED BOILER (TYPICAL OF 2). REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
2. NEW BOILER 6" COMBUSTION AIR INTAKE PIPE AND 6 EXHAUST FLUE (TYPICAL OF 3 SETS) PROVIDE MANUFACTURER'S RECOMMENDED TERMINATION FITTINGS, SIZES, AND MATERIALS. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
3. RELIEF PIPING FROM BOILER PRESSURE RELIEF VALVE SHALL BE ROUTED TO NEAREST FLOOR DRAIN (TYPICAL OF 2). PIPE SIZE SHALL BE FULL SIZE OF PRESSURE/TEMPERATURE RELIEF VALVE CONNECTION. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
4. BOILER MANUFACTURER'S BOILER CONTROL PANEL. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
5. INSTALL BOILERS ON A SINGLE 4" THICK CONCRETE HOUSEKEEPING PAD SIZED TO DIMENSIONS OF AT LEAST 4" GREATER THAN THE BOILER FOOTPRINT IN ALL DIRECTIONS. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
6. EXPANSION TANK EXP-1 FOR HEATING WATER SYSTEM. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
7. EXPANSION TANK EXP-2 FOR CHILLED WATER SYSTEM. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
8. MAIN BOILER ROOM TEMPERATURE CONTROL PANEL. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
9. CHILLED WATER SYSTEM PUMP CWP-1. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
10. CHILLED WATER SYSTEM PUMP CWP-2. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
11. HEATING WATER SYSTEM PUMP HWP-1. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
12. HEATING WATER SYSTEM PUMP HWP-2. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
13. VARIABLE FREQUENCY DRIVE VFD-1 SERVING HWP-1 REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
14. VARIABLE FREQUENCY DRIVE VFD-2 SERVING HWP-2 REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
15. EMERGENCY BOILER SHUT-DOWN SWITCH PER ASME CSD-1. LOCATE ONE AT EACH BOILER ROOM EXIT REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
16. CHILLED WATER SYSTEM GLYCOL FILL PUMP GFP-1. REFER TO SPECIFICATIONS, SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
17. CHILLED WATER SYSTEM AIR SEPARATOR REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
18. HEATING WATER SYSTEM AIR SEPARATOR REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
19. HOT WATER UNIT HEATER UH-1. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
20. DIRECT-BURIED PRE-INSULATED CHILLED WATER PIPING. REFER TO SITE PLAN FOR LOCATION. MINIMUM BURIAL DEPTH = 4'-0" BELOW GRADE.
21. 96"x 24" OUTSIDE AIR INTAKE LOUVER, 1800 CFM. PROVIDE TWO 48"x24" MOTORIZED CONTROL DAMPERS FOR ISOLATION. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
22. MECHANICAL ROOM VENTILATION FAN F-14. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
23. MECHANICAL ROOM RELIEF HOOD RH-1. PROVIDE MOTORIZED CONTROL DAMPER IN DUCTWORK IN MECHANICAL ROOM. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
24. DDC TEMPERATURE SENSOR FOR MECHANICAL ROOM VENTILATION AND TEMPERATURE CONTROL. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
25. VAV BOX SHALL BE COOLING ONLY AS SCHEDULED
26. COMBINATION STEAM BOILER / FEEDWATER SYSTEM / CONDENSATE RETURN TANK / BLOWDOWN SEPARATOR PACKAGE FOR HUMIDIFIERS SYSTEM SHALL BE COMPLETELY PRE-PIPED AND SKID-MOUNTED WITH SINGLE POINT ELECTRICAL, GAS PIPING WATER PIPING, STEAM PIPING, AND CONDENSATE PIPING CONNECTIONS.
27. BOILER COMBUSTION AIR INTAKE FAN F-15. REFER TO SPECIFICATIONS SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
28. 200 GALLON CHILLED WATER BUFFER/STORAGE TANK. APPROXIMATE DIMENSIONS SHALL BE 30 DIAMETER BY 6'-0" TALL. TANK SHALL BE ASME PRESSURE VESSEL RATED. INSULATE TANK WITH EQUIPMENT JACKET INSULATION. MOUNT ON 4 HIGH CONCRETE HOUSEKEEPING PAD. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
29. HOT WATER UNIT HEATER UH-2. REFER TO SPECIFICATIONS, SCHEDULES, AND DETAILS FOR ADDITIONAL INFORMATION.
30. HUMIDIFICATION BOILER BH-1. SEE SPECIFICATIONS AND SCHEDULES. PROVIDE 12" FLUE THROUGH ROOF. CONNECT LPS TO 5" STEAM BOILER OUTLET VALVE. CONNECT LPC TO CONDENSATE TANK CONNECTION. ROUTE 5" SEPARATOR VENT UP THROUGH ROOF. PROVIDE 2" BALL VALVE ON SEPARATOR DRAIN LINE CONNECTION AND ROUTE TO NEAREST FLOOR DRAIN. PROVIDE FULL OUTLET SIZE RELIEF PIPING FOR SAFETY RELIEF VALVE AND ROUTE TO NEAREST FLOOR DRAIN. PROVIDE FULL OUTLET SIZE OVERFLOW PIPING FOR CONDENSATE TANK AND ROUTE TO NEAREST FLOOR DRAIN.

MECHANICAL PIPING NOTES (CONT)

39. FUTURE BOILER TO BE LOCATED HERE WHEN NEW SURGERY ADDITION IS ADDED IN THE FUTURE. PROVIDE CAPPED PIPING CONNECTIONS FOR FUTURE BOILER SIZED PER HEATING WATER SCHEMATIC ON THE DETAILS SHEET
40. 10" DOMESTIC HOT WATER HEATER COMBUSTION AIR DUCT CONNECT TO HOT WATER HEATER PER MANUFACTURER RECOMMENDATIONS.
41. 10" DOMESTIC HOT WATER HEATER VENT CONNECT TO HOT WATER HEATER PER MANUFACTURER RECOMMENDATIONS.
42. REFER TO SITE PLAN FOR CONTINUATION.
43. REFER TO MECHANICAL PIPING PLAN AREA C FOR CONTINUATION.
44. ROUTE PIPE UP TO AHU-D ON ROOF COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND PIPE BOX ON UNIT PROVIDED BY MANUFACTURER
37. ROUTE PIPE UP TO AHU-E ON ROOF COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND PIPE BOX ON UNIT PROVIDED BY MANUFACTURER
38. UNDER BASE BID, CAP PIPES IN THIS AREA FOR FUTURE CONNECTION. UNDER ALTERNATE BID OMIT CAP AND SHUT-OFF VALVE AND ROUTE AS INDICATED
39. CAP PIPES IN THIS LOCATION FOR FUTURE EXTENSION.
40. ROUTE PIPE UP TO AHU-H ON ROOF COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND PIPE BOX ON UNIT PROVIDED BY MANUFACTURER
41. ROUTE PIPING DOWN CONCEALED IN WALL. CONNECT TO CABINET HEATER PIPING CONNECTIONS IN WALL AS REQUIRED
42. ROUTE REFRIGERANT PIPING CONCEALED IN WALLS AND CEILING VOIDS UP TO CCUH ON ROOF
43. DELETED.
44. DELETED



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CHRISTOPHER R BOULDIN 22276 REGISTERED PROFESSIONAL ENGINEER STATE OF OKLAHOMA 7/13/07

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SAYRE, OKLAHOMA

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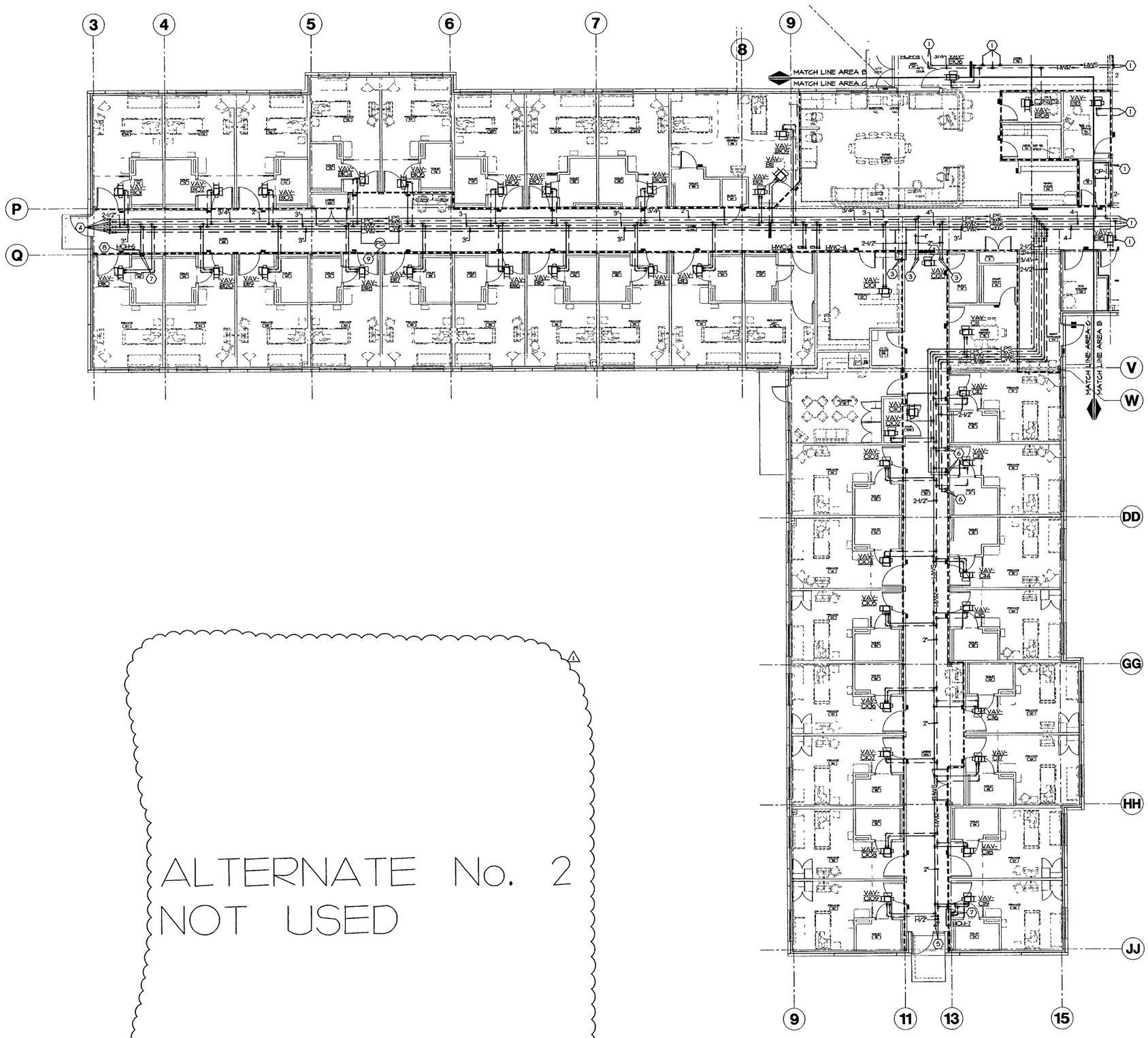
AREAS B & B1 FLOOR PLAN - MECHANICAL PIPING

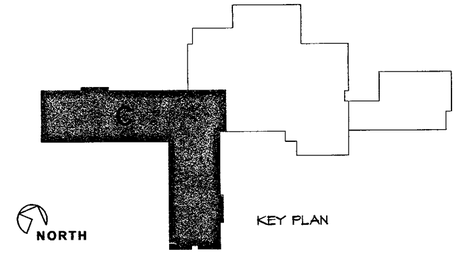


AREA 'C'
1 FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"

MECHANICAL PIPING NOTES:

1. REFER TO MECHANICAL PIPING PLAN AREA B FOR CONTINUATION.
2. DELETED.
3. ROUTE PIPE UP TO AHU-B ON ROOF. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND PIPEBOX ON UNIT PROVIDED BY MANUFACTURER.
4. UNDER BASE BID, CAP PIPES IN THIS AREA FOR FUTURE CONNECTION. UNDER ALTERNATE BID OMIT CAP AND SHUT-OFF VALVE AND ROUTE AS INDICATED. REFER TO PIPING PLAN AREA D FOR CONTINUATION.
5. CAP PIPES IN THIS LOCATION FOR FUTURE EXTENSION.
6. ROUTE PIPE UP TO AHU-C ON ROOF. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND PIPEBOX ON UNIT PROVIDED BY MANUFACTURER.
7. ROUTE PIPING DOWN CONCEALED IN WALL. CONNECT TO CABINET HEATER PIPING CONNECTIONS IN WALL AS REQUIRED.
8. UNDER ALTERNATE BID, HCH-6 SHALL BE OMITTED.
9. LOCATION OF DIFFERENTIAL PRESSURE SENSOR, DPS-001.
10. DELETED.
11. VAV BOX SHALL BE COOLING ONLY AS SCHEDULED.

ALTERNATE No. 2
NOT USED



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SAYRE, OKLAHOMA

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AREAS C & D FLOOR PLAN - MECHANICAL PIPING

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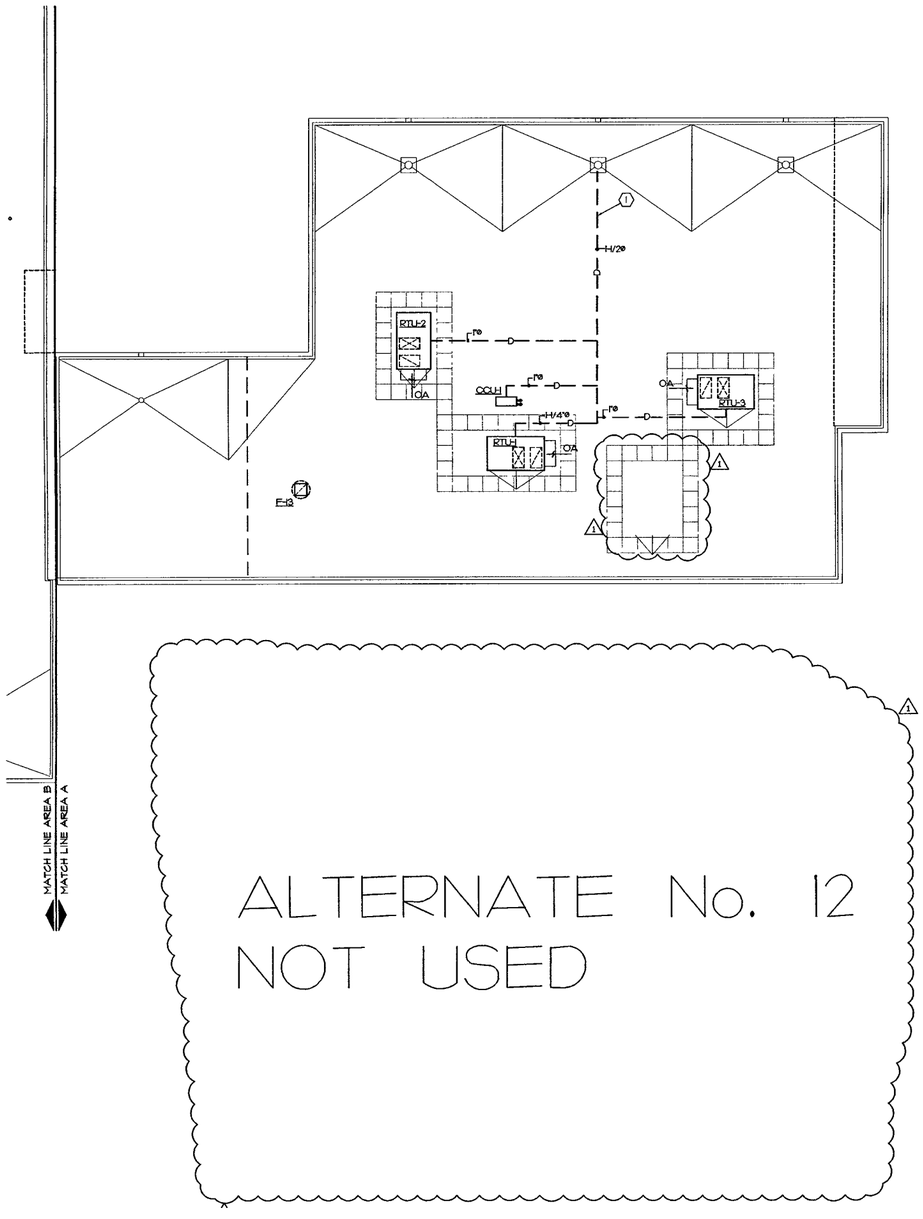
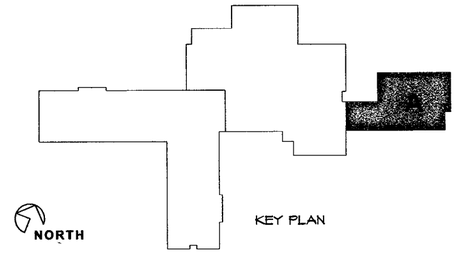


ALTERNATE No. 12
NOT USED

MECHANICAL ROOF NOTES

1. ROUTE CONDENSATE DRAIN TO NEAREST ROOF DRAIN. TERMINATE PIPE ABOVE ROOF DRAIN PER LOCAL REQUIREMENTS.
2. DELETED.
3. DELETED.
4. DELETED.



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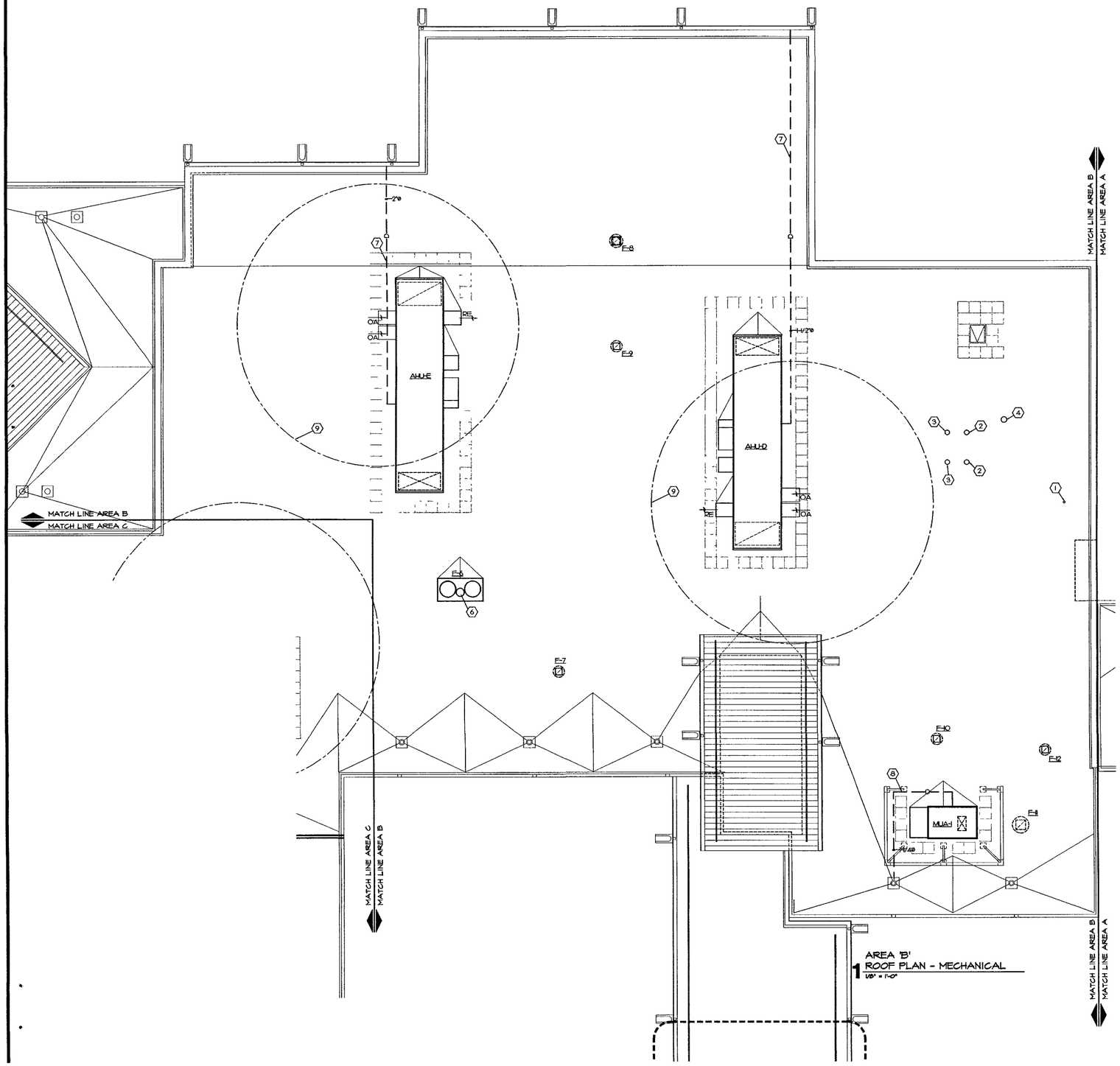
AREAS A & A1 ROOF PLAN MECHANICAL

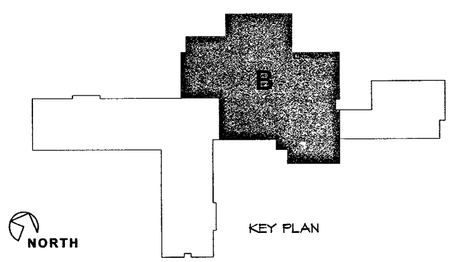


1 AREA 'B' ROOF PLAN - MECHANICAL
1/8" = 1'-0"

ALTERNATE No. 3
NOT USED

MECHANICAL ROOF NOTES

1. 4" DRYER EXHAUST DUCT DOWN THRU ROOF TERMINATE A MINIMUM OF 18" ABOVE FINISHED ROOF WITH GOOSENECK FITTING OR PER MANUFACTURER RECOMMENDATIONS.
2. 10"Ø DOMESTIC WATER HEATER COMBUSTION AIR INTAKE. TERMINATE PER MANUFACTURER RECOMMENDATIONS.
3. 10"Ø DOMESTIC WATER HEATER FLUE EXHAUST TERMINATE PER MANUFACTURER RECOMMENDATIONS.
4. 12"Ø STEAM BOILER FLUE EXHAUST ACTUAL SIZE SHALL BE PER MANUFACTURER RECOMMENDATIONS. TERMINATE ABOVE FINISHED ROOF PER MANUFACTURER RECOMMENDATIONS.
5. ROUTE 12"Ø EXHAUST DUCT DOWN THRU ROOF ROUTE DUCT ON ROOF TO FAN F-18 AS REQUIRED
6. ROUTE 14"Ø EXHAUST DUCT DOWN THRU ROOF
7. ROUTE CONDENSATE DRAIN AS REQUIRED TO GUTTER. TERMINATE PIPE ABOVE GUTTER PER LOCAL REQUIREMENTS.
8. ROUTE CONDENSATE DRAIN AS REQUIRED TO NEAREST ROOF DRAIN. TERMINATE PIPE ABOVE ROOF DRAIN PER LOCAL REQUIREMENTS.
9. MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF VENT RISER ROOF PENETRATIONS, LOCATIONS OF EXHAUST FANS, AND ANY OTHER SOURCES OF FOUL AIR TO ENSURE THEY ARE A MINIMUM OF 25'-0" FROM ANY AIR HANDLER OR MAKE UP AIR UNIT OUTDOOR AIR INTAKE HOOD 25'-0" RADIUS SHALL EXTEND AS INDICATED



KEY PLAN

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AREAS B & B1 ROOF PLAN - MECHANICAL

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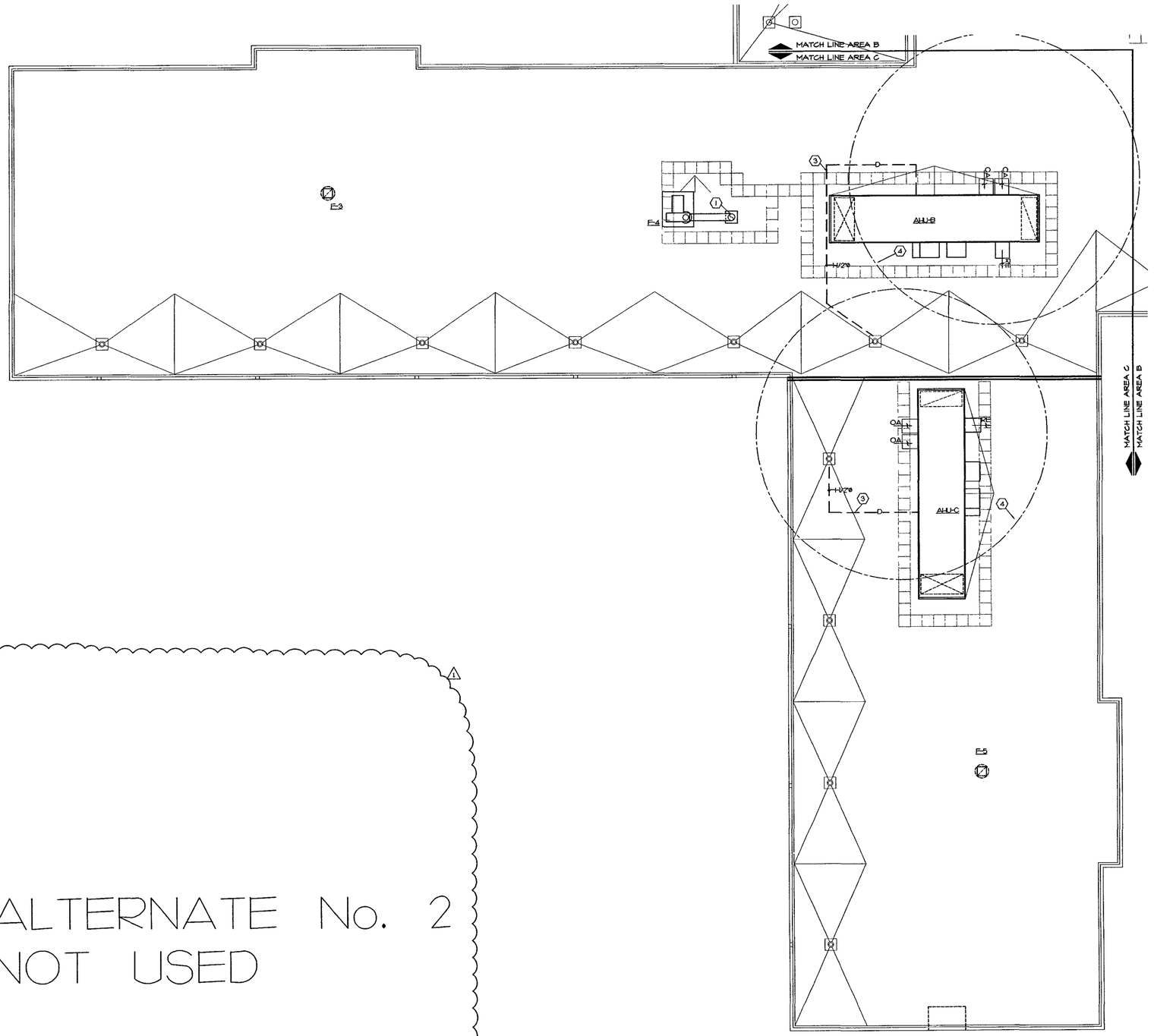
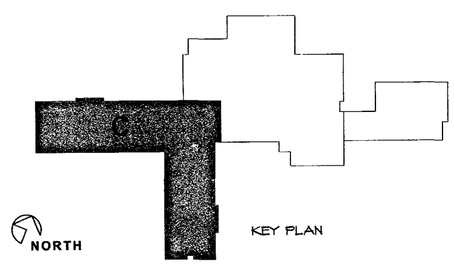


1 AREA 'C' FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"

MECHANICAL ROOF NOTES

1. ROUTE 14"ø EXHAUST DUCT DOWN THRU ROOF ROUTE DUCT ON ROOF TO FAN F-4 AS REQUIRED.
2. ROUTE 14"ø EXHAUST DUCT DOWN THRU ROOF ROUTE DUCT ON ROOF TO FAN F-2 AS REQUIRED
3. ROUTE CONDENSATE DRAIN TO NEAREST ROOF DRAIN AS REQUIRED TERMINATE PIPE ABOVE DRAIN PER LOCAL REQUIREMENTS.
4. MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF VENT RISER ROOF PENETRATIONS, LOCATIONS OF EXHAUST FANS, AND ANY OTHER SOURCES OF FOUL AIR TO ENSURE THEY ARE A MINIMUM OF 25'-0" FROM ANY AIR HANDLER OR MAKE UP AIR UNIT OUTDOOR AIR INTAKE HOOD 25'-0" RADIUS SHALL EXTEND AS INDICATED

ALTERNATE No. 2
NOT USED



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AREAS C & D ROOF PLAN - MECHANICAL

MECHANICAL SYMBOLS:

CEILING DIFFUSER CONNECTED TO FLEXIBLE DUCTWORK (S__) WITH THROW DIRECTIONS INDICATED BLANK OFF SECTIONS WITH NO THROW INDICATED. REFER TO AIR TERMINAL DETAIL FOR ADDITIONAL INFORMATION.

WALL DIFFUSER (S__) WITH NECK SIZE AND CFM INDICATED/

RETURN AIR GRILLE

RA1 RETURN AIR GRILLE, WITH RETURN AIR BOOT REFER TO DETAIL.

RA2 RETURN AIR GRILLE, WITH RETURN AIR BOOT REFER TO DETAIL.

RA3 RETURN AIR GRILLE, WITH RETURN AIR BOOT REFER TO DETAIL.

XXX / YYY — DIFFUSER REGISTER OR GRILLE DESIGNATION / AIRFLOW (CFM) TO BALANCE TO IF APPLICABLE

POSITIVE PRESSURE DUCT

NEGATIVE PRESSURE DUCT

POSITIVE PRESSURE ELBOW DOWN

POSITIVE PRESSURE ELBOW UP

POSITIVE PRESSURE RECT TEE DOWN

POSITIVE PRESSURE RECT TEE UP

NEGATIVE PRESSURE ELBOW DOWN

NEGATIVE PRESSURE ELBOW UP

NEGATIVE PRESSURE RECT TEE DOWN

NEGATIVE PRESSURE RECT TEE UP

TRANSITION - RECTANGULAR TO RECTANGULAR DUCT

TRANSITION - RECTANGULAR TO RECTANGULAR DUCT

TRANSITION - RECTANGULAR TO ROUND DUCT

ROUND OR RECTANGULAR BRANCH TAKEOFF OFF SIDE OF MAIN AS NOTED ON THE FLOOR PLANS

ROUND OR RECTANGULAR BRANCH TAKEOFF OFF SIDE OF MAIN AS NOTED ON THE FLOOR PLANS WITH BALANCING DAMPER

ROUND BRANCH TAKEOFF OFF BOTTOM OF MAIN

ROUND BRANCH TAKEOFF OFF TOP OF MAIN

FLEX DUCT

TRANSITION TO FLEX DUCT

BALANCE DAMPER

VAV BOX

TRANSFER AIR BOOT, REFER TO DETAIL.

FD — FIRE DAMPER

SD — SMOKE DAMPER

FSD — COMBINATION FIRE/SMOKE DAMPER

SUPPLY AIR

E — EXHAUST AIR

OA — OUTSIDE AIR

R — RETURN AIR

T — TRANSFER AIR

RE — RELIEF AIR

U — UNDERCUT DOOR 1" ABOVE FINISH FLOOR

ZZ — DESIGNATES MECHANICAL NOTE

H — HUMIDISTAT SENSOR CENTERLINE MOUNTED 48 ABOVE FINISHED FLOOR.

T — ROOM TEMPERATURE SENSOR WITH INTEGRAL DISPLAY CENTERLINE MOUNTED 48" ABOVE FINISHED FLOOR

T — ROOM TEMPERATURE SENSOR CENTERLINE MOUNTED 48 ABOVE FINISHED FLOOR

MOTOR OPERATED DAMPER

CWS — CHILLED WATER SUPPLY

CWR — CHILLED WATER RETURN

HWS — HOT WATER SUPPLY

HWR — HOT WATER RETURN

D — COLD CONDENSATION DRAIN

LPS — LOW PRESSURE STEAM

LPC — LOW PRESSURE CONDENSATE

PC — PUMPED CONDENSATE

V — VENT

D — COLD CONDENSATE DRAIN

AUTOMATIC FLOW CONTROL VALVE ASSEMBLY

THREE-WAY CONTROL VALVE

TWO-WAY CONTROL VALVE

THREE-WAY BYPASS VALVE

STRAINER

T — STEAM TRAP ASSEMBLY

F — AUTOMATIC FLOW CONTROL/STOP VALVE ASSEMBLY

B — BALANCE/STOP VALVE ASSEMBLY

S — STRAINER/STOP VALVE ASSEMBLY

WATER METER

DIRECTION OF FLOW

TEMPERATURE SENSOR

ECCENTRIC REDUCER

ASME SAFETY PRESSURE RELIEF VALVE

TRIPLE DUTY VALVE

STOP VALVE

CHECK VALVE

GLOBE VALVE

PRESSURE REDUCING VALVE

FLEXIBLE PIPE CONNECTION

THERMOMETER

PRESSURE GAGE

MANUAL AIR VENT

UNION

PRESSURE / TEMPERATURE TEST PORT

1/2" DRAIN CONNECTION WITH STOP VALVE AND HOSE CONNECTION AND CAP

ELBOW UP

ELBOW DOWN

TEE UP

TEE DOWN

CAPPED PIPING

SUCTION DIFFUSER

INDICATES HIDDEN OR ROOF MOUNTED

N.C. — NORMALLY CLOSED

N.O — NORMALLY OPEN

SYMBOL SHOWS THE MECHANICAL ENGINEER'S UNDERSTANDING OF THE LOCATION OF 0 HOUR SMOKE RESISTIVE WALLS, AND IS PROVIDED FOR ASSISTANCE TO THE MECHANICAL CONTRACTOR EXACT FIRE WALL LOCATIONS SHALL BE COORDINATED FROM THE ARCHITECTURAL PLANS.

SYMBOL SHOWS THE MECHANICAL ENGINEER'S UNDERSTANDING OF THE LOCATION OF ONE HOUR SEPERATION WALLS, AND IS PROVIDED FOR ASSISTANCE TO THE MECHANICAL CONTRACTOR. EXACT FIRE WALL LOCATIONS SHALL BE COORDINATED FROM THE ARCHITECTURAL PLANS.

SYMBOL SHOWS THE MECHANICAL ENGINEER'S UNDERSTANDING OF THE LOCATION OF SMOKE PARTITIONS, AND IS PROVIDED FOR ASSISTANCE TO THE MECHANICAL CONTRACTOR EXACT SMOKE PARTITION LOCATIONS SHALL BE COORDINATED FROM THE ARCHITECTURAL PLANS.

SYMBOL SHOWS THE MECHANICAL ENGINEER'S UNDERSTANDING OF THE LOCATION OF TWO HOUR FIRE SEPARATION WALLS, AND IS PROVIDED FOR ASSISTANCE TO THE MECHANICAL CONTRACTOR. EXACT FIRE WALL LOCATIONS SHALL BE COORDINATED FROM THE ARCHITECTURAL PLANS.

Φ — DIAMETER

OVAL DUCTWORK

PIPE GUIDE

PIPE ANCHOR

GENERAL NOTES:

1. COORDINATE WITH ARCHITECTURAL FLOOR PLANS FOR ALL ROOM NAMES AND NUMBERS.
2. REFER TO ARCHITECTURAL CEILING PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL DIFFUSERS, REGISTERS, AND GRILLES.
3. EXTREME CARE SHALL BE TAKEN IN COORDINATING ALL WORK WITH ALL OTHER PROVIDERS.
4. DIAGRAMMATIC DUCT AND PIPING LAYOUTS ARE SHOWN ON THE DRAWINGS. DUCTS AND PIPING SHALL BE INSTALLED WITH REGARD TO STRUCTURAL FEATURES, PIPING, LIGHTS, AND OTHER DUCTWORK. ADDITIONAL DROPS, RISERS, SWINGS, ETC. SHALL BE PROVIDED WHERE NECESSARY.
5. DUCTS SHALL BE INSTALLED AS CLOSE TO THE STRUCTURE ABOVE AS POSSIBLE. REDUCTIONS IN THE DUCT DEPTH SHALL MAINTAIN THE DUCT TIGHT TO THE STRUCTURE ABOVE.
6. SUPPLY MAIN DUCT AND PIPING SIZES SHOWN START AFTER LAST UPSTREAM BRANCH TAKE-OFF AND CONTINUE UNTIL NEW DUCT/PIPE SIZE IS SHOWN, UNLESS OTHERWISE NOTED ON THE DRAWING.
7. RETURN/EXHAUST MAIN DUCT AND PIPING SIZES SHOWN START AFTER LAST DOWNSTREAM BRANCH TAKE-OFF AND CONTINUE UNTIL NEW DUCT/PIPE SIZE IS SHOWN, UNLESS OTHERWISE NOTED ON THE DRAWING.
8. DUCTS SERVING WALL DIFFUSERS SHALL BE THE SAME SIZE AS THE DIFFUSER UNLESS NOTED OTHERWISE.
9. SQUARE, ROUND, AND FLEX DUCT DIRECTLY SERVING A DIFFUSER SHALL BE OF THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE ON DRAWINGS.
10. INTAKE AND DISCHARGE DUCTS FOR ALL FANS ARE A MINIMUM OF THE CONNECTIONS TO THE FANS.
11. PROVIDE ACCESS DOORS IN DUCTS AS REQUIRED TO RESET FIRE DAMPERS OR ADJUST EQUIPMENT.
12. PROVIDE ACCESS DOORS IN WALLS AND CEILINGS AS REQUIRED TO PROVIDE MAINTENANCE ACCESS TO EQUIPMENT OR TO ALLOW ACCESS TO BALANCING DAMPERS. DOORS SHALL BE OF ADEQUATE SIZE TO ALLOW REMOVAL OF EQUIPMENT BEHIND NON-REMOVABLE CEILING OR WALLS.
13. ALLOW CLEARANCE ABOVE, AROUND, AND BELOW ALL MECHANICAL UNITS AS RECOMMENDED BY EQUIPMENT MANUFACTURER TO MAINTAIN UNIT & UNIT COMPONENTS.
14. WHEN APPLICABLE, LOCATE ALL MECHANICAL EQUIPMENT HIGH ENOUGH FOR CONDENSATE DRAIN LINE TO SLOPE TO TERMINATION & LOW ENOUGH FOR MAINTENANCE PERSONNEL TO ACCESS UNIT.
15. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
16. VERIFY THAT THE LOCATION OF ALL NEW OR RELOCATED MECHANICAL EQUIPMENT INCLUDING THERMOSTATS, SENSORS, ETC. DO NOT CONFLICT WITH ARCHITECTURAL EQUIPMENT, INCLUDING CHALKBOARDS, CASEWORK, TACKBOARDS, ETC. ANY EXISTING MECHANICAL EQUIPMENT THAT CONFLICTS WITH ARCHITECTURAL EQUIPMENT SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST.
17. VERIFY ALL EXISTING AND NEW DUCTS WHICH PENETRATE FIRE AND SMOKE RATED ASSEMBLIES ARE PROTECTED WITH APPROPRIATE RATED DAMPERS. FURNISH AND INSTALL FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AS REQUIRED TO MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED ASSEMBLIES WHEN THESE DAMPERS ARE NOT PRESENT OR SHOWN INCLUDING REQUIRED POWER SOURCES AT NO ADDITIONAL COST.
18. INTAKE AND DISCHARGE DUCTS, FOR ALL TERMINAL BOXES, ARE AS NOTED IN THE SCHEDULES, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
19. PIPES SERVING HVAC UNITS SHALL BE OF THE SIZE SCHEDULE FOR THE BRANCH TAKE-OFF IN THE EQUIPMENT'S SCHEDULE UNLESS NOTED OTHERWISE.
20. VERIFY ALL MECHANICAL EQUIPMENT FITS IN ASSIGNED LOCATIONS PRIOR TO SUBMITTAL AND MEETS THE MANUFACTURER'S RECOMMENDATIONS FOR CLEARANCES.
21. CONDENSATE PIPES SERVING HVAC UNITS SHALL BE OF THE SAME SIZE AS THE DRAIN PAN CONNECTION UNLESS NOTED OTHERWISE.
22. TRANSITION FROM MECHANICAL EQUIPMENT DUCT CONNECTIONS TO DUCT SIZES SHOWN ON THE PLANS AS REQUIRED.
23. MOUNT BOTTOM OF TERMINAL BOXES A MAXIMUM OF 18 ABOVE THE CEILING.

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
Drawn By	ALP
Checked By	CRB

Revisions

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MECHANICAL SYMBOLS AND NOTES

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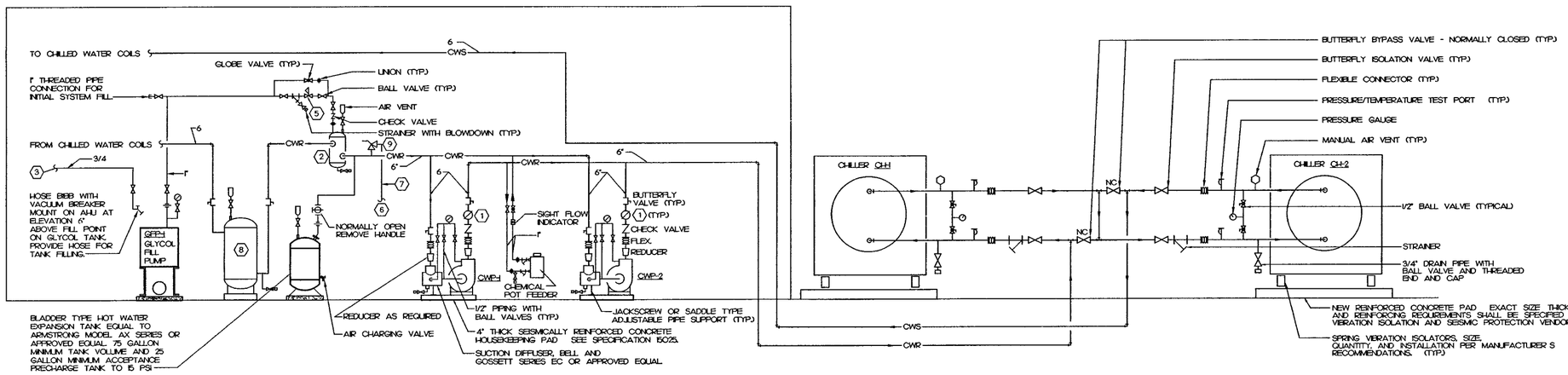


CHILLED WATER SYSTEM SCHEMATIC/DETAIL

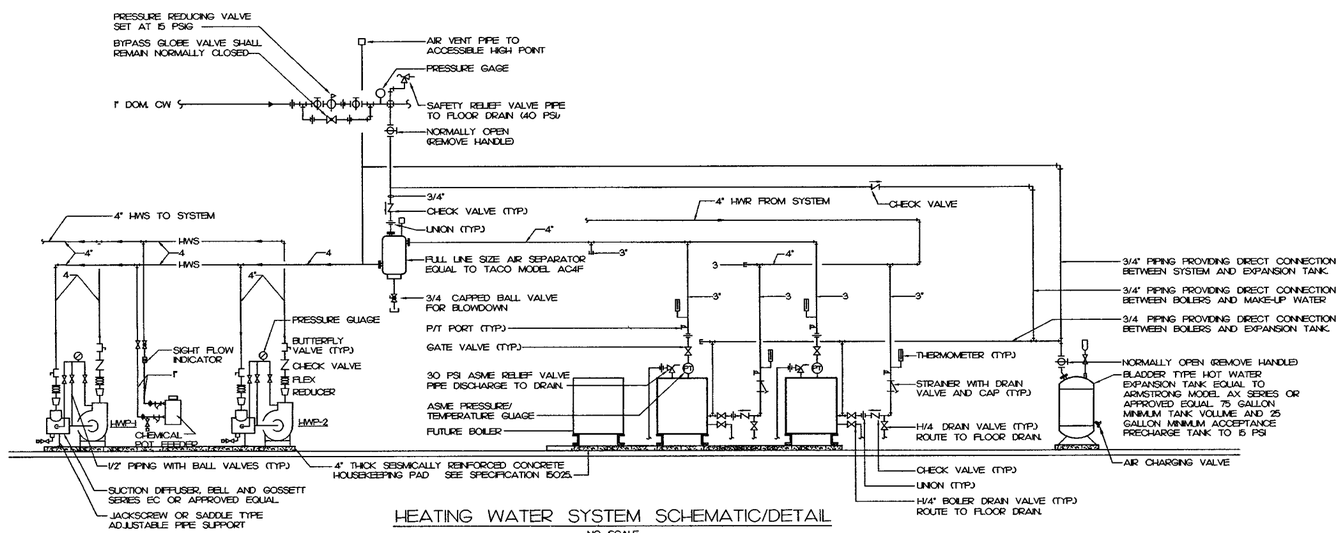
NOT TO SCALE

MECHANICAL NOTES

1. MANUAL BALANCE VALVE, 6" BELL AND GOSSETT CIRCUIT SETTER WITH FLANGED CONNECTIONS OR APPROVED EQUAL.
2. FULL LINE SIZE AIR SEPARATOR EQUAL TO TACO MODEL AC6F
3. 3/4" COLD WATER FOR GEPH FILLING. CONNECT TO EXISTING PIPING AS SHOWN ON PLANS.
4. VERTICAL BLADDER TYPE COMPRESSION TANK. SEE SCHEDULE SHEET FOR MORE INFO.
5. DISCHARGE PRESSURE OF PRESSURE REDUCING VALVE SHALL BE 20 PSIG.
6. ROUTE PIPING TO FLOOR DRAIN AND TERMINATE OVER DRAIN AS REQUIRED
7. PIPE SIZE TO MATCH SAFETY RELIEF VALVE OUTLET SIZE.
8. 300 GALLON RESERVOIR TANK. SEE PLANS.
9. PRESSURE RELIEF VALVE SET AT 40 PSIG.

GENERAL MECHANICAL PIPING SYSYEM NOTES

1. ON APPLICATIONS WITH 2-1/2" AND LARGER PIPING, OMIT UNIONS FOR FLANGED CONNECTIONS.
2. THIS CONTRACTOR SHALL FURNISH WATER AND GLYCOL TO ACHIEVE 30% PROPYLENE GLYCOL SOLUTION TO FILL NEW CHILLED WATER SYSTEM.
3. ALL WATER SERVICE PIPING SYSTEMS SHALL HAVE COMPLETE DRAIN DOWN CAPABILITY. PITCH PIPING FOR DRAINAGE. PROVIDE DRAIN VALVES AT ALL LOW POINTS.



HEATING WATER SYSTEM SCHEMATIC/DETAIL

NO SCALE

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SAYRE, OKLAHOMA

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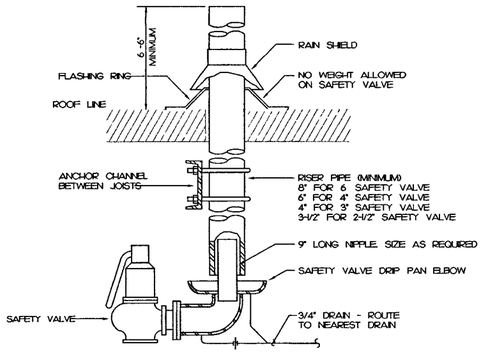
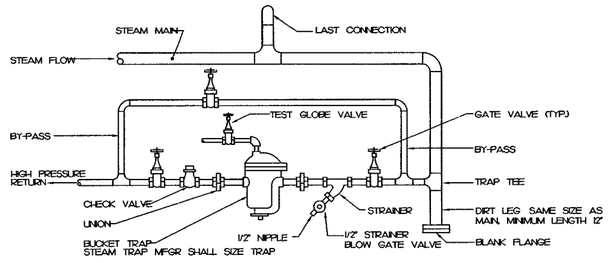
MECHANICAL RISER DIAGRAMS



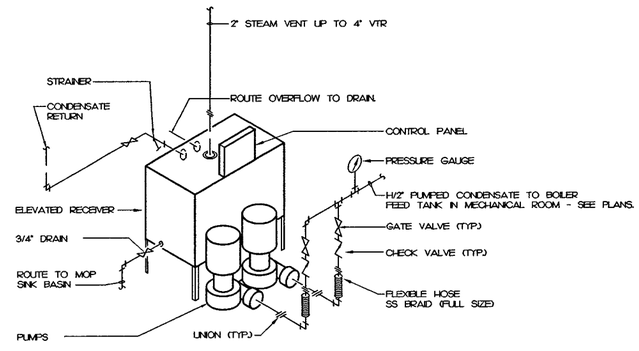
STEAM SAFETY VALVE DETAIL

NO SCALE



TYPICAL END OF MAIN DRIP DETAIL

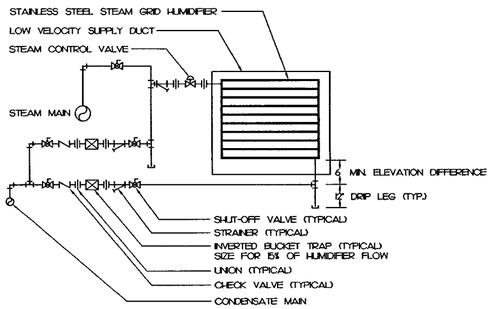
NO SCALE



NOTE: MOUNT UNIT ON 4 HIGH CONCRETE HOUSEKEEPING PAD

DUPLEX CONDENSATE PUMP DETAIL

NO SCALE

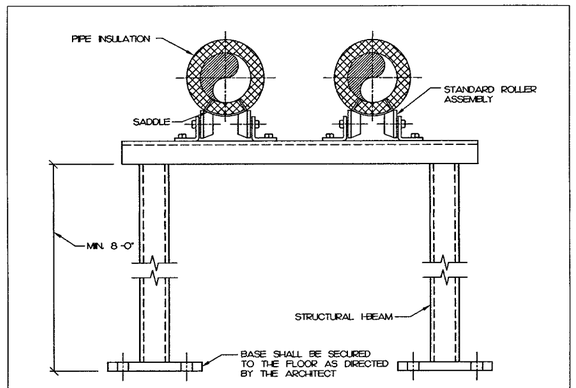


BOTH TRAP ASSEMBLIES MUST BE INSTALLED AT A MINIMUM OF 12" BELOW STEAM SUPPLY VALVE ASSEMBLY.

PROVIDE PIPING AND COMPONENTS FULL LINE SIZE AS SHOWN ON PLANS EXCEPT THAT THE CONTROL VALVE AND STEAM TRAPS SHALL BE SIZED PER MANUFACTURER FOR THE ACTUAL FLOW RATE INDICATED. PROVIDE REDUCERS AROUND THIS EQUIPMENT AS NECESSARY.

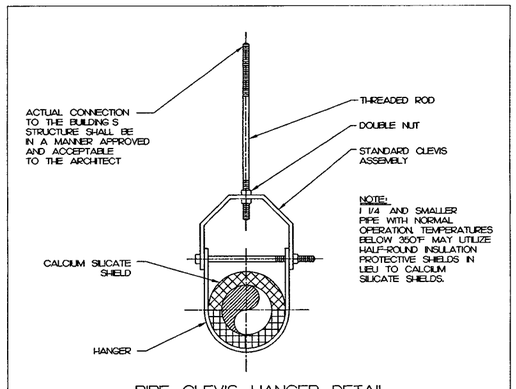
DUCT-MOUNTED STEAM GRID HUMIDIFIER DETAIL

NO SCALE



PIPE STANCHION DETAIL

NOT TO SCALE



PIPE CLEVIS HANGER DETAIL

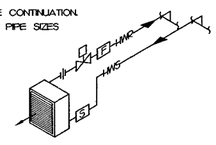
NOT TO SCALE

NOTES:
INSTALL ASSEMBLIES AND UNIONS SO THAT UNIT AND CONTROL VALVE CAN BE REMOVED WITHOUT DISTURBING PIPING.

TRANSITION AS REQUIRED TO COIL CONNECTIONS AND CONTROL VALVES.

REFER TO PLANS FOR PIPE CONTINUATION.

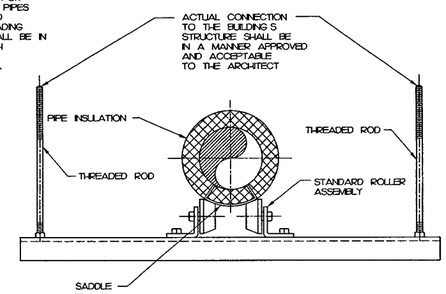
REFER TO SCHEDULES FOR PIPE SIZES.



HORIZONTAL DISCHARGE HYDRONIC UNIT HEATER (UH) DETAIL WITH TWO-WAY VALVING

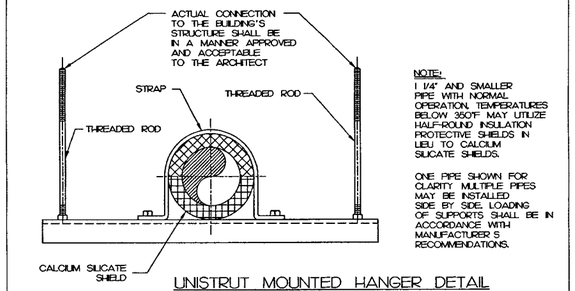
NOT TO SCALE

NOTE:
ONE PIPE SHOWN FOR CLARITY. MULTIPLE PIPES MAY BE INSTALLED SIDE BY SIDE. LOADING OF SUPPORTS SHALL BE IN ACCORDANCE WITH MANUFACTURER S RECOMMENDATIONS.



UNISTRUT MOUNTED ROLLER DETAIL

NOT TO SCALE



UNISTRUT MOUNTED HANGER DETAIL

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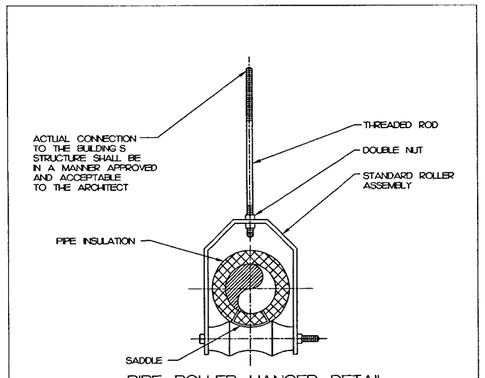

PIPE ROLLER HANGER DETAIL

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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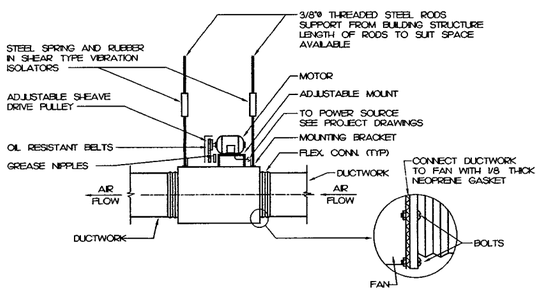
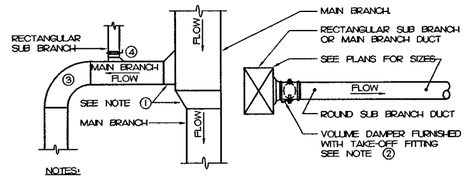
MECHANICAL STEAM DETAILS



INLINE FAN DETAIL
NOT TO SCALE



NOTES:

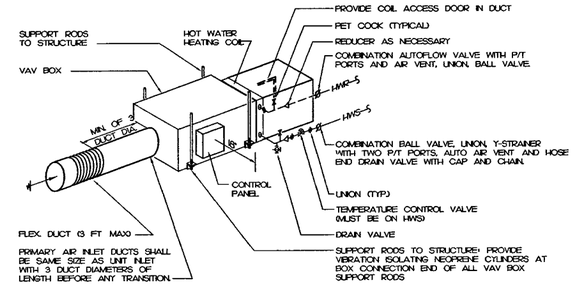
① TAKE-OFF ANGLE AND TRANSITION ANGLE SHALL BE PER SMACNA RECOMMENDATIONS.

② ROUND DUCT TAKE-OFFS FROM RECTANGULAR DUCTS SHALL BE MADE WITH LOW-LOSS HIGH EFFICIENCY, ADHESIVE FLAT BACK, RECTANGULAR-TO-ROUND GASKETED DUCT TAP. BALANCING DAMPERS SHALL BE FACTORY INSTALLED WITH A POSITIVE LOCKING WING NUT FOR EASY RE-ADJUSTMENT WHEN NEEDED. CONNECT FITTING TO DUCT USING SHEET METAL SCREWS. FITTING SHALL BE EQUAL TO McGILL AIRFLOW MODEL #176 (MODEL #175 WHERE DAMPER IS SPECIFICALLY NOT REQUIRED).

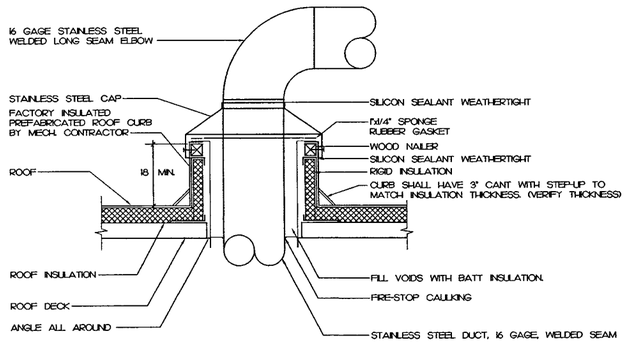
③ ALL ELBOWS SHALL BE RADIUS TYPE, EXCEPT WHERE SPACE RESTRICTIONS NECESSITATE USING 90° MITERED VANED ELBOWS AS SHOWN ON PLANS.

④ VOLUME DAMPERS SHALL BE PROVIDED ON ALL LOW PRESSURE SUPPLY DUCT BRANCHES AND ON ALL RETURN AND EXHAUST DUCT BRANCHES.

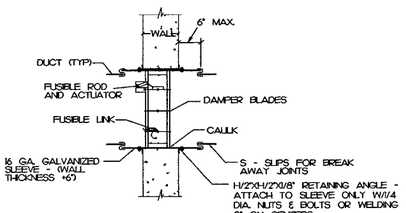
TYPICAL LOW PRESSURE DUCT DETAIL
NO SCALE



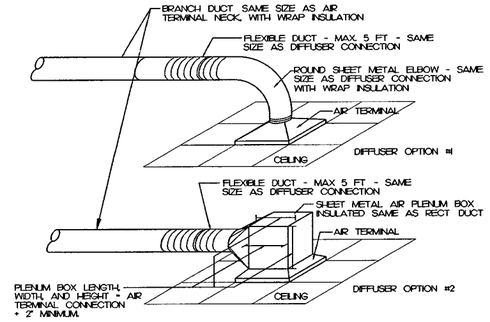
SINGLE DUCT BOX WITH REHEAT
NO SCALE



DUCT PENETRATION THROUGH ROOF DETAIL
NOT TO SCALE



COMBINATION FIRE/SMOKE DAMPER
NOT TO SCALE



AIR TERMINAL DETAIL
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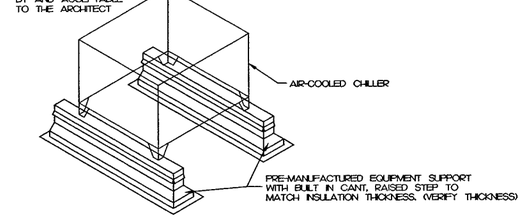

EQUIPMENT SUPPORT DETAIL
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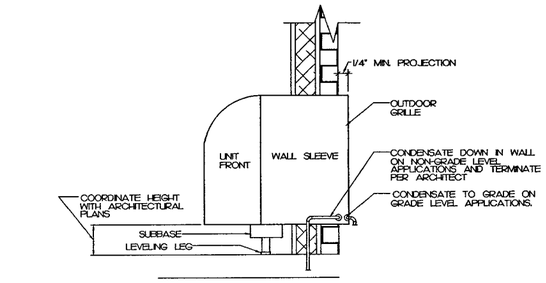
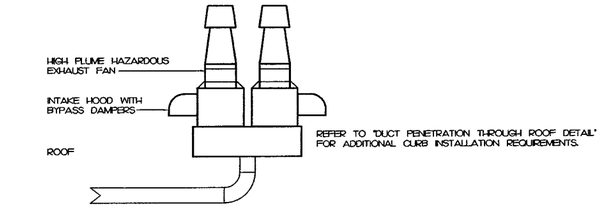
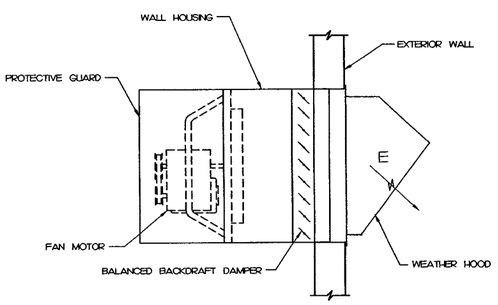


TERMINAL AIR CONDITIONERS AND HEAT PUMPS
NOT TO SCALE



ISOLATION ROOM EXHAUST FAN DETAIL
NOT TO SCALE



PROPELLER WALL EXHAUST FAN DETAIL
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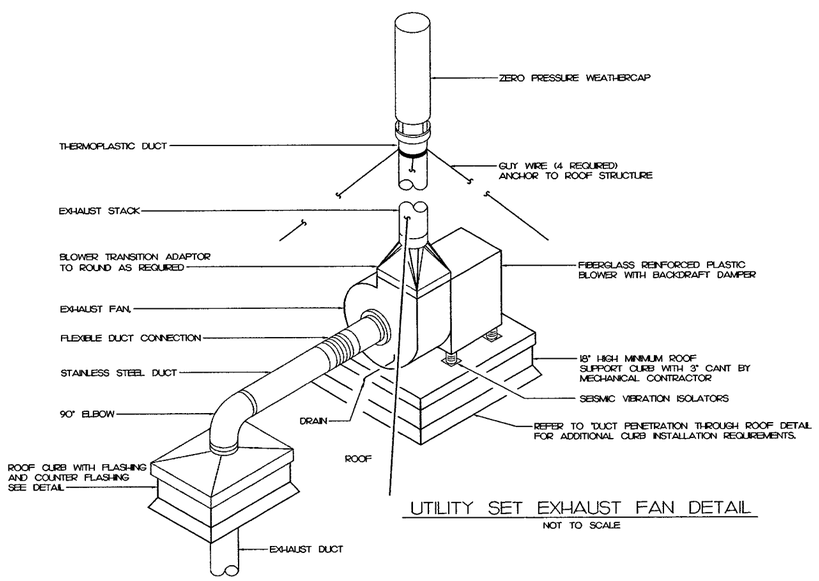
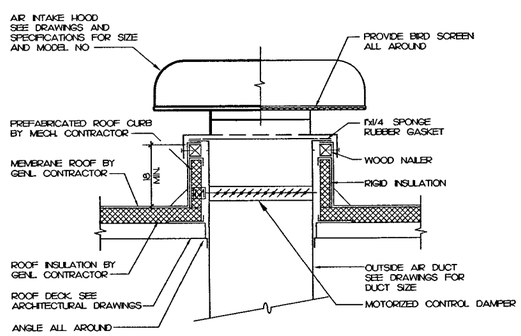


UTILITY SET EXHAUST FAN DETAIL
NOT TO SCALE



AIR RELIEF HOOD DETAIL
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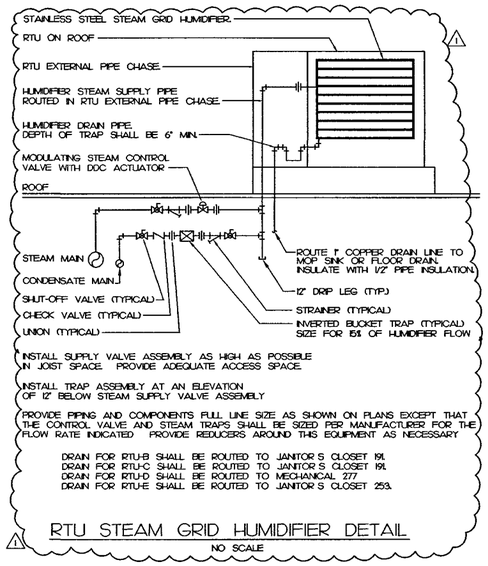
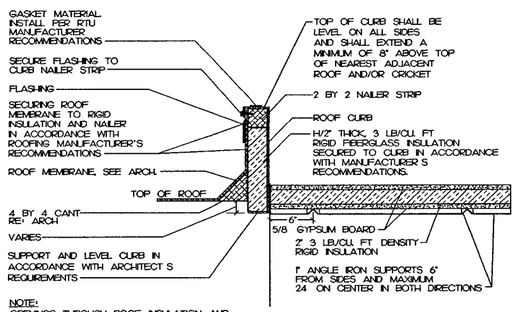
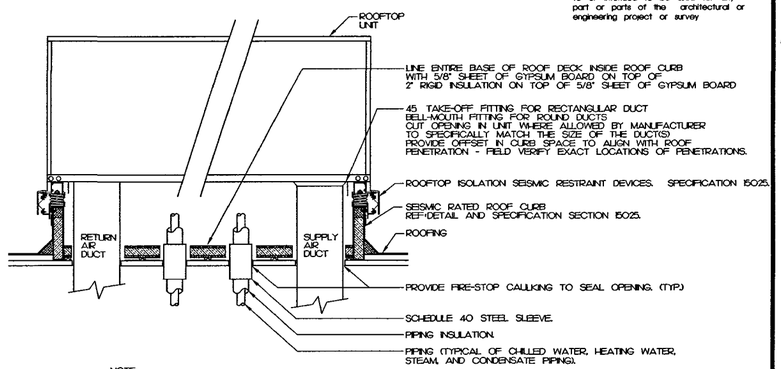
MECHANICAL DETAILS



RTU STEAM GRID HUMIDIFIER DETAIL
NO SCALE

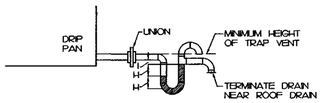


ROOFTOP UNIT ROOF CURB DETAIL
NOT TO SCALE



NOTE:
OPENINGS THROUGH ROOF SHALL BE NO LARGER THAN REQUIRED FOR SUPPLY AND RETURN DUCTS

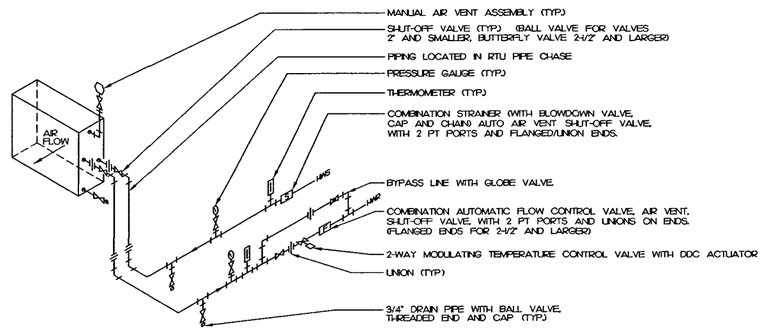
ROOFTOP UNIT DETAIL
NOT TO SCALE



NOTE: "H" EQUALS THE TOTAL SP ON BLOW-THRU UNITS

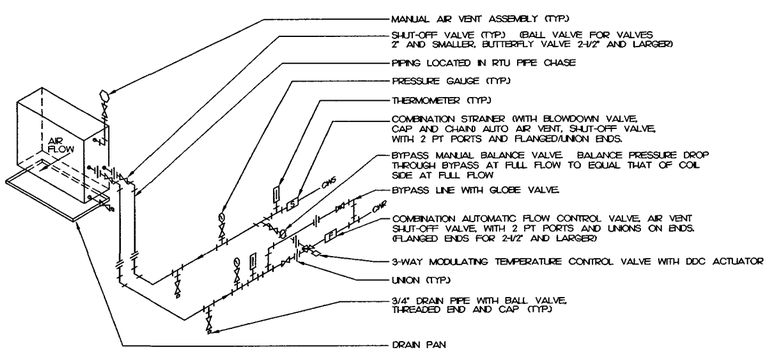
COIL TRAP DETAIL
BLOW-THRU UNIT
NOT TO SCALE

NOTES:
PIPING SHALL BE SIZES LISTED ON PLANS. PROVIDE REDUCERS AT CONTROL VALVE AS NECESSARY
ALL COMPONENTS SUCH AS VALVES, STRAINERS, ETC. SHALL BE FULL LINE SIZE.
TRANSITION AS REQUIRED TO COIL CONNECTIONS AND CONTROL VALVES.
VALVES SHALL BE POSITIONED, ARRANGED ORIENTED AND INSTALLED TO ALLOW EASY OPERATION BY OPERATING PERSONNEL.
INSTALL UNIONS SO THAT COILS AND MODULATING VALVE CAN BE REMOVED WITHOUT DISTURBING PIPING
ON APPLICATIONS WITH 2-1/2" AND LARGER PIPING, OMIT UNIONS AND USE FLANGED CONNECTIONS.



ROOFTOP UNITS (ALL UNITS) TWO-WAY VALVED HOT WATER HEATING COIL DETAIL
NOT TO SCALE

NOTES:
PIPING SHALL BE SIZES LISTED ON PLANS. PROVIDE REDUCERS AT CONTROL VALVE AS NECESSARY
ALL COMPONENTS SUCH AS VALVES, STRAINERS, ETC. SHALL BE FULL LINE SIZE.
TRANSITION AS REQUIRED TO COIL CONNECTIONS AND CONTROL VALVES.
VALVES SHALL BE POSITIONED, ARRANGED, ORIENTED, AND INSTALLED TO ALLOW EASY OPERATION BY OPERATING PERSONNEL.
FURNISH DRAIN PANS ON COILS UTILIZED FOR COOLING. EXTEND CONDENSATE DRAIN LINE TO ROOF DRAIN. REFER TO COIL TRAP DETAIL FOR ADDITIONAL INFORMATION.
INSTALL UNIONS SO THAT COILS AND MODULATING VALVE CAN BE REMOVED WITHOUT DISTURBING PIPING.
ON APPLICATIONS WITH 2-1/2" AND LARGER PIPING, OMIT UNIONS AND USE FLANGED CONNECTIONS.



ROOFTOP UNITS A, B, C, D, E, F
THREE-WAY VALVED SINGLE CHILLED WATER COIL DETAIL
NOT TO SCALE

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06633 00
Drawn By	BCC
Checked By	CRB

Revisions

Number	Date	Description
1	6/21/2007	ADDENDUM 2
2	7/13/2007	GMP SET

M4.05

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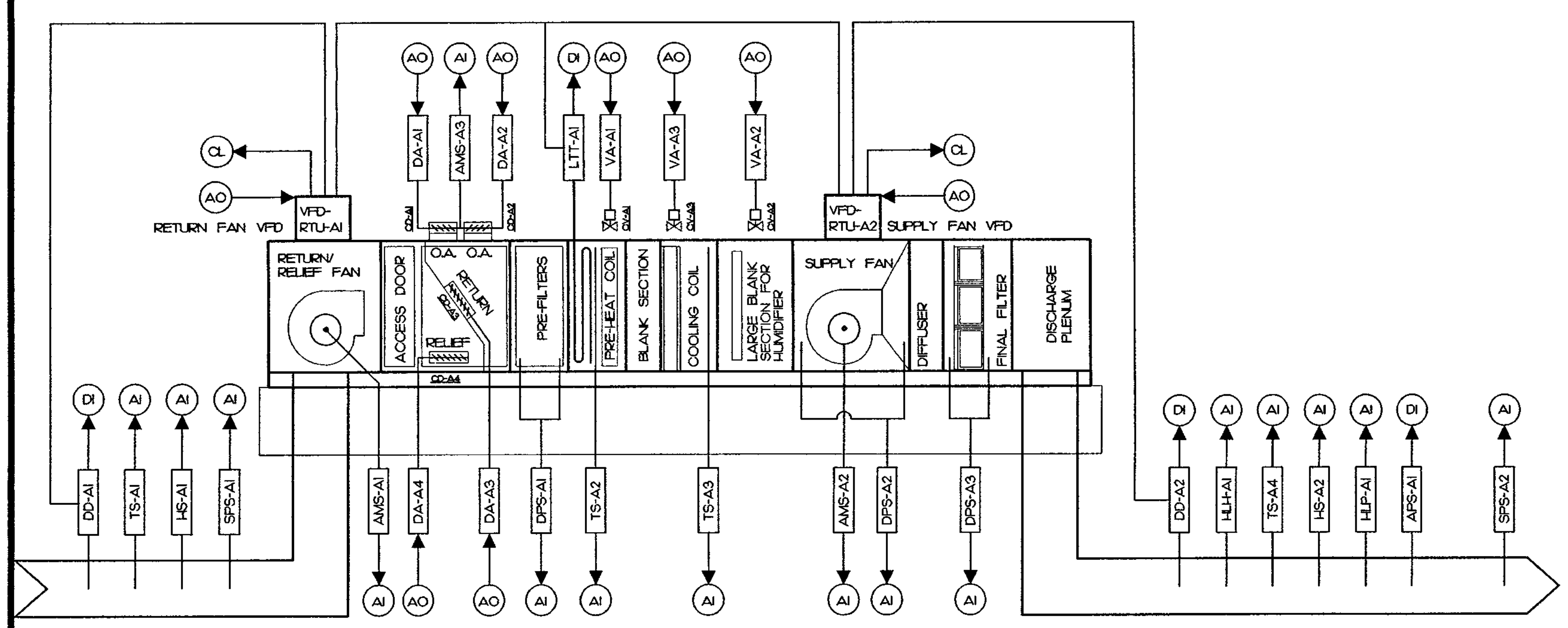
MECHANICAL DETAILS

TS-001 → AI
O.A. TEMP SENSOR
ONLY ONE IS REQUIRED FOR THE ENTIRE PROJECT

HS-001 → AI
O.A. HUMIDITY SENSOR
ONLY ONE IS REQUIRED FOR THE ENTIRE PROJECT

DPS-A4 → AI
BUILDING DIFFERENTIAL AIR PRESSURE SENSOR
ONE IS REQUIRED FOR EACH RTU SYSTEM.



TYPICAL RTU CONTROLS SCHEMATIC

TYPICAL RTU SEQUENCE OF OPERATION

A. ROOFTOP UNIT RTU-A: (SINGLE DUCT VAV WITH HOT WATER IFBP PRE-HEATING COIL, 3-WAY CHILLED WATER COOLING COIL, STEAM INJECTION HUMIDIFIER VFD SUPPLY AIR STATIC PRESSURE CONTROL, RETURN FAN WITH FLOW TRACKING CONTROL, DRY-BULB AND ENTHALPY ECONOMIZER MODE, FILTER MONITORING, FREEZE PROTECTION, AND SMOKE CONTROL).

1. SUPPLY FAN AND DUCT STATIC PRESSURE CONTROL. CONTROLLER SHALL PROVIDE SIGNAL TO THE VFD OF THE SUPPLY VFD-RTU-A2, TO CONTROL THE SPEED OF THE SUPPLY FAN TO MAINTAIN THE STATIC PRESSURE SETPOINT (ADJUSTABLE) AS SENSED BY SPS-A2. STATIC PRESSURE SENSORS SHALL BE LOCATED APPROXIMATELY 2/3 THE WAY DOWN THE AIR DISTRIBUTION DUCT AS SHOWN ON THE HVAC AIR FLOW SCHEMATIC. CONTROLLER SHALL RESTRICT FANS FROM EXCEEDING THE STATIC PRESSURE RATING OF THE DUCTWORK (ADJUSTABLE) BY OVER-RIDING SIGNAL TO VFD IF THE HIGH LIMIT STATIC PRESSURE SENSOR HLP-A1 (LOCATED IN THE DUCTWORK AT THE UNIT DISCHARGE) SENSES A PRESSURE HIGHER THAN THE SETPOINT. ALARM SHALL BE SENT TO CONTROLS SYSTEM WHEN SYSTEM OPERATES AT THIS CONDITION.

2. *RETURN FAN CONTROL (FLOW TRACKING WITH OFFSET): CONTROLLER SHALL PROVIDE* SIGNAL TO RETURN FAN VFD-RTU-A1 TO CONTROL RETURN FAN SPEED TO MAINTAIN AIRFLOW SETPOINT (ADJUSTABLE) AS MEASURED BY RETURN AIR FAN INLET AIRFLOW MEASURING STATION AMS-A1. AMS-A1 SETPOINT SHALL BE BASED ON THE FOLLOWING FUNCTION OF MEASURED AIRFLOW RATES (CFM): AMS-A1 EQUALS AMS-A2 MINUS OUTSIDE AIR CFM AS LISTED ON THE SCHEDULE (ALL VALUES ADJUSTABLE)

3. AIR DAMPER CONTROL DURING STANDARD OPERATION: OUTSIDE AIR DAMPERS CD-A1 AND CD-A2 SHALL BE FULLY OPEN AT ALL TIMES THAT THE UNIT IS IN NORMAL OPERATION MODE. DURING STANDARD OPERATION, RELIEF AIR DAMPER CD-A1 SHALL BE CLOSED. PROVIDE AIRFLOW MEASURING STATION IN OUTSIDE AIR INTAKE HOOD TO PROVIDE INPUT SIGNAL TO MONITOR OUTSIDE AIR FLOW

4. UNIT ECONOMIZER FUNCTION. CONTROLLER SHALL BE EQUIPPED WITH A COMBINATION DRY-BULB AND ENTHALPY ECONOMIZER CYCLE. DRY-BULB ECONOMIZER CYCLE SHALL BE OPERATIONAL WHENEVER THE OUTSIDE AIR DRY BULB TEMPERATURE IS BELOW 49°F (ADJUSTABLE). ENTHALPY ECONOMIZER SHALL BE OPERATIONAL WHENEVER THE OUTSIDE AIR IS ABOVE 49°F AND THE OUTSIDE AIR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY. OUTSIDE AIR TEMPERATURE AND HUMIDITY SENSED FROM TS-001 AND HS-001. RETURN AIR TEMPERATURE SENSOR AND HUMIDITY SENSED FROM TS-A1 AND HS-A1. CONTROLLER SHALL PROVIDE CALCULATION TO DETERMINE ENTHALPIES OF OUTSIDE AIR AND RETURN AIR. ECONOMIZER OPERATION SHALL DISABLE PRE-HEAT COILS AND COOLING COILS BUT SHALL NOT DISABLE HUMIDIFIER IF ECONOMIZER CYCLES THE RELIEF AIR DAMPER CD-A4 TO FULLY CLOSED POSITION, THE PRE-HEAT COIL SHALL BE ENABLED AS DESCRIBED IN STEP 7 BELOW

5. AIR DAMPER CONTROL DURING ECONOMIZER OPERATION: OUTSIDE AIR DAMPERS CD-A1 AND CD-A2 SHALL BE FULLY OPEN AT ALL TIMES THAT THE UNIT IS IN NORMAL OPERATION MODE. DURING ECONOMIZER OPERATION, RELIEF AIR DAMPER CD-A4 SHALL MODULATE OPEN AND RETURN AIR DAMPER CD-A3 SHALL MODULATE CLOSED INPEPENDENTLY TO MAINTAIN SETPOINT OF SUPPLY TEMPERATURE SENSOR TS-A4 (ADJUSTABLE)

6. COOLING COIL CONTROL: WHEN THE UNIT IS NOT IN DRY-BULB ECONOMIZER MODE AND OUTSIDE AIR TEMPERATURE IS ABOVE 49°F CONTROLLER SHALL SEND SIGNAL TO MODULATE COOLING COIL CONTROL VALVE CV-A2 TO MAINTAIN SETPOINT OF SUPPLY AIR TEMPERATURE SENSOR TS-A4 (ADJUSTABLE). TS-A3 SHALL BE FOR MONITORING THE COOLING COIL DISCHARGE TEMPERATURE.

7. INTEGRAL FACE AND BYPASS PRE-HEAT COILS CONTROL: WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE 36°F AND BELOW 49°F WHEN THE UNIT IS NOT IN ECONOMIZER MODE, AND WHEN PRE-HEAT IS REQUIRED, THE CONTROLLER SHALL SEND SIGNAL TO MODULATE THE PRE-HEAT COILS CONTROL VALVE CV-A1 TO MAINTAIN SETPOINT OF TS-A4 (ADJUSTABLE). IN THIS MODE, THE FACE AND BYPASS DAMPER SHALL BE IN FULL FACE MODE. WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 36°F (ADJUSTABLE) THE HEATING CONTROL VALVE CV-A1 SHALL MODULATE TO FULL OPEN AND THE FACE AND BYPASS DAMPER SHALL BE MODULATED TO MAINTAIN SETPOINT OF TS-A4 (ADJUSTABLE)

8. HUMIDIFIER CONTROL: CONTROLLER SHALL SEND SIGNAL TO HUMIDIFIER CONTROL VALVE CV-A2 TO MAINTAIN SETPOINT OF DUCT HUMIDITY SENSOR HS-A2 (ADJUSTABLE). HS-A1 SHALL BE FOR MONITORING RETURN DUCT HUMIDITY LEVELS. HUMIDIFIER SHALL NOT BE OPERATIONAL UNTIL AIRFLOW PROVING SWITCHE APS-A1 LOCATED IN SUPPLY AIR DUCTS DETECT ADEQUATE AIRFLOW. HIGH LIMIT HUMIDISTAT HLH-A1 LOCATED IN SUPPLY DUCT SHALL OVERRIDE THE DUCT HUMIDITY SENSOR IF DISCHARGE AIR RELATIVE HUMIDITY RISES ABOVE SETPOINT (ADJUSTABLE)

9. FREEZE PROTECTION CONTROL: LOW TEMPERATURE THERMOSTAT LTT-A1, WITH 20 FEET OF CAPILLARY TUBE, SHALL STOP SUPPLY FAN AT TEMPERATURE BELOW ITS SETTING OF 37°F (ADJUSTABLE). IF THIS ACTION OCCURS, CONTROLLER SHALL SEND EMERGENCY ALARM SIGNAL TO SYSTEM. IF THIS OCCURS, OUTSIDE AIR DAMPER CD-A1 AND RELIEF DAMPER CD-A2 SHALL CLOSE AND HEATING VALVES SHALL FULLY OPEN. UNIT SHALL AUTOMATICALLY SELF START AFTER TWO MINUTES (ADJUSTABLE).

10. SMOKE ACTIVATED FIRE PROTECTION CONTROL. DUCT MOUNTED SMOKE DUCT DETECTORS DD-A1 AND DD-A2 SHALL BE INSTALLED AS SHOWN ON THE HVAC AIR FLOW SCHEMATIC TO AUTOMATICALLY SHUT DOWN THE SUPPLY AND RETURN FANS AND SEND SIGNAL TO THE FIRE ALARM SYSTEM. IF THIS ACTION OCCURS, CONTROLLER SHALL SEND EMERGENCY ALARM SIGNAL TO SYSTEM. UNIT SHALL REQUIRE MANUAL START-UP IF THIS ACTION OCCURS.

11. FAN DIFFERENTIAL PRESSURE MONITORING: DIFFERENTIAL PRESSURE SENSOR DPS-A2 SHALL SEND SIGNAL TO DDC SYSTEM FOR MONITORING THE DIFFERENTIAL PRESSURE ACROSS THE FAN.

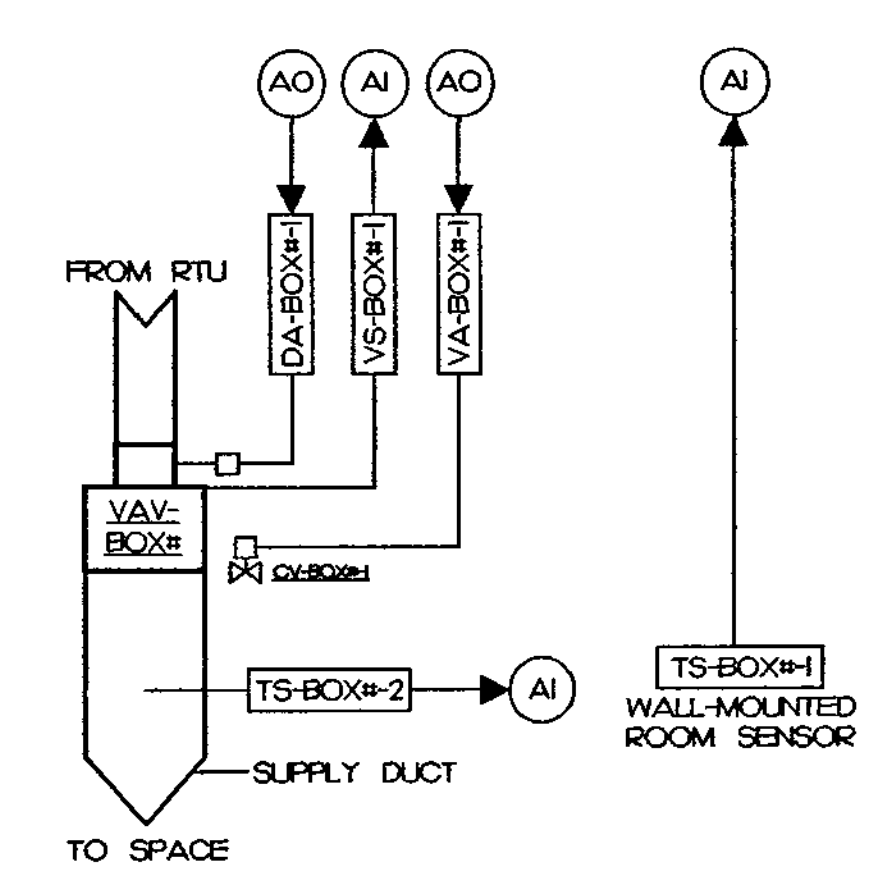
12. FILTER MONITORING: PROVIDE DIFFERENTIAL PRESSURE SENSOR DPS-A1 TO MEASURE PRESSURE ACROSS THE PRE-FILTERS. CONTROLLER SHALL SEND ALARM SIGNAL WHEN FILTERS ARE IN NEED OF CHANGING BASED UPON THE DIFFERENTIAL PRESSURE SENSOR SETPOINT (ADJUSTABLE). PROVIDE DIFFERENTIAL PRESSURE SENSOR DPS-A3 TO MEASURE PRESSURE ACROSS THE FINAL FILTERS. CONTROLLER SHALL SEND ALARM SIGNAL WHEN FILTERS ARE IN NEED OF CHANGING BASED UPON THE DIFFERENTIAL PRESSURE SENSOR SETPOINT (ADJUSTABLE)

TYPICAL RTU CONTROL DEVICE AND POINTS LIST SCHEDULE

DEVICE	DESCRIPTION	CONTROL OUTPUT REQUIRED BY DEVICE	CONTROL INPUT PROVIDED BY DEVICE	INPUT USED FOR CONTROL OF	CONTROLLED BY INPUT FROM	ADJUSTABLE SETPOINT	DEVICE FAIL POSITION	REMARKS
VFD-RTU-A2	RTU-A SUPPLY FAN VFD	AO	-	-	SPS-A2	-	BYPASS MODE	PROVIDE COMMUNICATION LINE FOR VFD SETTING/MONITORING
VFD-RTU-A1	RTU-A RETURN FAN VFD	AO	-	-	AMS-A1	AMS-A2 MINUS O.A. CFM	BYPASS MODE	PROVIDE COMMUNICATION LINE FOR VFD SETTING/MONITORING
CD-A1 DA-A1	RTU-A OUTSIDE AIR DAMPER & ACTUATOR	AO	-	-	-	MIN. AND MAX AS SCHEDULED	CLOSED	- -
CD-A2 DA-A2	RTU-A RELIEF AIR DAMPER & ACTUATOR	AO	-	-	ECONOMIZER	0% TO 100% OF UNIT CFM	CLOSED	- -
CD-A3 DA-A3	RTU-A RETURN AIR DAMPER & ACTUATOR	AO	-	-	ECONOMIZER	0% TO 100% OF UNIT CFM	OPEN	- -
CD-A4 DA-A4	RTU-A RELIEF AIR DAMPER & ACTUATOR	AO	-	-	ECONOMIZER	0% TO 100% OF UNIT CFM	CLOSED	- -
CV-A1 VA-A1	RTU-A HEATING COIL CONTROL VALVE & ACTUATOR	AO	-	-	TS-A4	52.0° F	OPEN	- -
CV-A2 VA-A2	RTU-A HUMIDIFIER CONTROL VALVE & ACTUATOR	AO	-	-	HS-A2	70.0% RH (52°F)	CLOSED	- -
CV-A3 VA-A3	RTU-A COOLING COIL CONTROL VALVE & ACTUATOR	AO	-	-	TS-A4	54.0° F	OPEN	- -
DPS-A1	DIFFERENTIAL STATIC PRESSURE SENSOR FOR RTU-A PRE-FILTERS	-	AI, ALARM	-	-	-	-	FOR MONITORING AND DIRTY FILTER ALARM
DPS-A2	DIFFERENTIAL STATIC PRESSURE SENSOR FOR FAN MONITORING	-	AI, ALARM	-	-	2.0" MIN. ALARM 10.0 MAX. ALARM	-	FOR MONITORING AND LOW OR HIGH STATIC ALARM
DPS-A3	DIFFERENTIAL STATIC PRESSURE SENSOR FOR RTU-A FINAL-FILTERS	-	AI, ALARM	-	-	-	-	FOR MONITORING AND DIRTY FILTER ALARM
DPS-A4	DIFFERENTIAL STATIC PRESSURE SENSOR FOR BUILDING PRESSURIZATION	-	AI, ALARM	-	-	-	-	FOR MONITORING
TS-A1	TEMPERATURE SENSOR FOR RETURN AIR DUCT	-	AI	-	-	-	-	FOR MONITORING ONLY
TS-A2	TEMPERATURE SENSOR FOR MIXED AIR PLENUM	-	AI	-	-	-	-	FOR MONITORING ONLY
TS-A3	TEMPERATURE SENSOR FOR COOLING COIL MONITORING	-	AI	-	-	-	-	FOR MONITORING ONLY
TS-A4	TEMPERATURE SENSOR FOR COOLING AND HEATING CONTROL	-	AI	VA-A1, VA-A3	-	52°F HEATING 54°F COOLING	-	- -
HS-A1	RTU-A HUMIDITY SENSOR IN RETURN DUCT	-	AI	-	-	-	-	FOR MONITORING ONLY
HS-A2	RTU-A HUMIDITY SENSOR IN SUPPLY DUCT	-	AI	VA-A2	-	70% RH (52° F)	-	-
LTT-A1	LOW TEMP THERMOSTAT FOR COIL FREEZE PROTECTION	-	DI, ALARM	-	-	-	-	HARD-WIRED TO CONTACTS SEE SEQUENCE
DD-A1	RETURN AIR DUCT-MOUNTED SMOKE DETECTOR	-	DI, ALARM	-	-	-	-	HARD-WIRED TO CONTACTS SEE SEQUENCE
DD-A2	SUPPLY AIR DUCT-MOUNTED SMOKE DETECTOR	-	DI, ALARM	-	-	-	-	HARD-WIRED TO CONTACTS SEE SEQUENCE
HLH-A1	HIGH LIMIT HUMIDISTAT IN SUPPLY DUCT FOR HUMIDIFIER DISABLE	-	DI, ALARM	DISABLE VA-A2	-	90%RH • 52°F	-	DISABLE HUMIDIFIER
SPS-A1	STATIC PRESSURE SENSOR IN SUPPLY DUCT FOR VFD CONTROL	-	AI	-	-	FOR MONITORING	-	LOCATED IN RETURN DUCT NEAR UNIT
SPS-A2	STATIC PRESSURE SENSOR IN RETURN DUCT FOR MONITORING	-	AI	VFD-RTU-A2	-	2.0" ADJUSTABLE TESTING REQUIRED	-	LOCATED APPROXIMATELY 2/3 OF WAY DOWN DUCT
AMS-A1	AIRFLOW MEASURING STATION IN RETURN FAN INLET	-	AI	VFD-RTU-A1	-	-	-	REFER TO SEQUENCE FOR CONTROL SCHEME
AMS-A2	AIRFLOW MEASURING STATION IN SUPPLY FAN INLET	-	AI	FOR MONITORING	-	-	-	REFER TO SEQUENCE FOR CONTROL SCHEME
AMS-A3	AIRFLOW MEASURING STATION IN OUTSIDE AIR INTAKE	-	AI	FOR MONITORING	-	-	-	REFER TO SEQUENCE FOR CONTROL SCHEME
HLP-A1	HIGH LIMIT STATIC PRESSURE SENSOR IN HOT DECK	-	AI, ALARM	-	-	6.0" W.C.	-	SIGNAL SHALL OVER-RIDE SPS-101 AND SPS-102
APS-101	AIRFLOW PROVING SWITCH	-	DI	ENABLE VA-A2	-	-	-	AIRFLOW SWITCH TO ENABLE HUMIDIFIERS

CONTROLS ABBREVIATIONS LEGEND

AO DO	ANALOG OUTPUT DIGITAL OUTPUT
AI, DI	ANALOG INPUT, DIGITAL INPUT
CL	DIRECT COMMUNICATION LINE BETWEEN VFD, CHILLER CONTROL PANEL, ETC. TO RELAY ALL INFORMATION INCLUDING UNIT STATUS, OPERATING PARAMETERS ALARMS, ETC.
HS	HUMIDITY SENSOR
HLH	HIGH-LIMIT HUMIDITY SENSOR
TS	TEMPERATURE SENSOR
SPS	DUCT STATIC PRESSURE SENSOR
HLP	HIGH LIMIT PRESSURE SENSOR TO OVER-RIDE DUCT STATIC PRESSURE SENSOR
DPS	DIFFERENTIAL PRESSURE SENSOR
LTT	LOW TEMPERATURE THERMOSTAT, CAPILLARY TUBE SERPENTINED
AMS	AIRFLOW MEASURING STATION
VS	VELOCITY SENSOR FOR VAV BOXES
SD	SMOKE DAMPER
DD	DUCT DETECTOR
VA	MOTORIZED ELECTRONIC VALVE ACTUATOR
DA	MOTORIZED ELECTRONIC DAMPER ACTUATOR
APS	AIRFLOW PROVING SWITCH
HOA	HAND-OFF-AUTO CONTROLLER
S/S	START/STOP OR ENABLE/DISABLE COMMAND TO UNIT CONTACTS
KS	KEYED SELECTOR SWITCH FOR OPERATOR/USER INPUT
XXX-XXX (boxed)	INDICATES REQUIRED CONTROL DEVICE OR SENSOR
(XX)	INDICATES INPUT OR OUTPUT POINT ON CONTROLLER
→	FIELD REQUIRED CONTROL WIRING FROM DEVICE OR SENSOR TO CONTROLLER
CD-XXX	CONTROL DAMPER WITH EQUIPMENT DESIGNATION NUMBER
CV-XXX	CONTROL VALVE WITH EQUIPMENT DESIGNATION NUMBER



TYPICAL CONSTANT VOLUME REHEAT BOX

(TYPICAL OF ALL BOXES EXCEPT G100 AND G101)

CONSTANT VOLUME REHEAT BOX SEQUENCE

1. THE VELOCITY SENSOR VS-BOX#-1 SHALL BE CALIBRATED TO MEASURE THE AIRFLOW THROUGH THE REHEAT BOX. THE VELOCITY SENSOR SHALL PROVIDE INPUT TO MODULATE THE BOX CONTROL DAMPER DA-BOX#-1 TO MAINTAIN THE PROPER CONSTANT VOLUME OF AIR AT ALL TIMES (ALL REHEAT BOXES SHALL BE CONSTANT VOLUME DURING OCCUPIED AND UNOCCUPIED MODE FOR AIRFLOW CONTROL - AIRFLOW SHALL NOT BE REDUCED).

2. THE ROOM TEMPERATURE SENSOR TS-BOX#-1 SHALL PROVIDE INPUT TO CONTROL THE REHEAT COIL CONTROL VALVE ACTUATOR VA-BOX#-1 TO MAINTAIN TEMPERATURE SETPOINT OF ROOM. THE DUCT TEMPERATURE SENSOR TS-BOX#-2 SHALL PROVIDE INPUT FOR MONITORING DUCT TEMPERATURE. DURING UNOCCUPIED MODE, THE REHEAT COIL SHALL BE MODULATED TO MAINTAIN MINIMUM TEMPERATURE OF 62°F (ADJUSTABLE). CONTROL VALVE SHALL BE NON-SPRING RETURN TO FAIL IN LAST POSTION COMMANDED

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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Revisions
Number Date Description

M4.06

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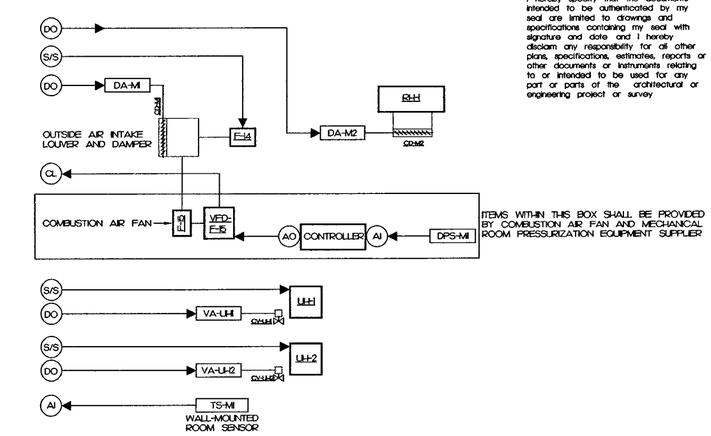
CONTROLS SCHEMATICS AND SEQUENCES

MECHANICAL ROOM, HEATING WATER SYSTEM, AND CHILLED WATER SYSTEM CONTROL DEVICE AND POINTS LIST SCHEDULE

DEVICE	DESCRIPTION	CONTROL OUTPUT REQUIRED BY DEVICE	CONTROL INPUT PROVIDED BY DEVICE	INPUT USED FOR CONTROL OF	CONTROLLED BY INPUT FROM	ADJUSTABLE SETPOINT	DEVICE FAIL POSITION	REMARKS
TS-MI	SPACE TEMPERATURE SENSOR FOR MECHANICAL ROOM	-	AI	CD-M2, UH-H, F-I5	-	60°F HEATING 80°F COOLING	-	-
SS-FI5	START/STOP CONTACTS FOR FAN F-I5	DO	-	F-I5	-	-	-	-
CD-MI DA-MI	2-POSITION OUTSIDE AIR INTAKE DAMPER AND ACTUATOR	AO	-	-	TS-MI	-	CLOSED	-
CD-M2 DA-M2	2-POSITION RELIEF AIR DAMPER AND ACTUATOR	AO	-	-	TS-MI	-	CLOSED	-
CL-FI6	BMS COMMUNICATION LINE FOR FAN F-I6 CONTROL SYSTEM	-	-	-	-	-	-	FOR MONITORING STATUS AND BOILER ROOM PRESSURE
CV-UHI VA-UHI	2-POSITION CONTROL VALVE FOR MECHANICAL ROOM UH-I	AO	-	-	TS-EI38	52.0° F	CLOSED	-
CV-UH2 VA-UH2	2-POSITION CONTROL VALVE FOR MECHANICAL ROOM UH-2	AO	-	-	TS-EI38B	54.0° F	CLOSED	-
SS-UHI	START/STOP CONTACTS FOR UNIT HEATER UH-I	DO	-	UH-I	-	-	-	-
SS-UH2	START/STOP CONTACTS FOR UNIT HEATER UH-2	DO	-	UH-2	-	-	-	-
TS-002	HEATING WATER SUPPLY TEMPERATURE SENSOR	-	AI	-	-	120°F TO 160°F RESET SCHEDULE	-	FOR HEATING WATER TEMP CONTROL AND BCP-I
TS-003	HEATING WATER RETURN TEMPERATURE SENSOR	-	AI	-	-	-	-	FOR MONITORING HTG WATER RETURN TEMP AND BCP-I
FS-001	FLOW SWITCH FOR HWP-I STATUS	-	DI	-	-	-	-	ELECTRICAL CURRENT SWITCH IS ALLOWED
FS-002	FLOW SWITCH FOR HWP-2 STATUS	-	DI	-	-	-	-	ELECTRICAL CURRENT SWITCH IS ALLOWED
VFD-HWP-I	HEATING WATER PUMP HWP-I VFD	AO	-	-	DPS-001	10 PSIG	BYPASS MODE	PROVIDE COMMUNICATION LINE FOR VFD SETTING/MONITORING
VFD-HWP-2	HEATING WATER PUMP HWP-2 VFD	AO	-	-	DPS-001	10 PSIG	BYPASS MODE	PROVIDE COMMUNICATION LINE FOR VFD SETTING/MONITORING
DPS-001	DIFFERENTIAL PRESSURE SENSOR FOR HEATING WATER SYSTEM	-	AI	VFD-HWP-I VFD-HWP-2	-	-	-	LOCATE WHERE SHOWN ON PIPING PLANS
BCP-I	BOILER CONTROL PANEL FOR HEATING WATER SYSTEM	-	ALARM	BOILERS	-	-	-	PROVIDED BY BOILER MANUFACTURER
TS-I01	CHILLED WATER SUPPLY TEMPERATURE SENSOR	-	AI	-	-	120°F TO 160°F RESET SCHEDULE	-	FOR HEATING WATER TEMP CONTROL AND BCP-I
TS-I02	CHILLED WATER RETURN TEMPERATURE SENSOR	-	AI	-	-	-	-	FOR MONITORING HTG WATER RETURN TEMP AND BCP-I
FS-I01	FLOW SWITCH FOR CWP-I STATUS	-	DI	-	-	-	-	ELECTRICAL CURRENT SWITCH IS ALLOWED
FS-I02	FLOW SWITCH FOR CWP-2 STATUS	-	DI	-	-	-	-	ELECTRICAL CURRENT SWITCH IS ALLOWED
CHILLER CH-I	CHILLER CH-I CONTROL PANEL	-	-	-	-	-	-	PROVIDE COMMUNICATION LINE FOR CH-I SETTING/MONITORING
CHILLER CH-2	CHILLER CH-2 CONTROL PANEL	-	-	-	-	-	-	PROVIDE COMMUNICATION LINE FOR CH-2 SETTING/MONITORING
HOA-I01	HAND-OFF-AUTO SWITCH FOR CWP-I	DO	-	-	-	-	-	-
HOA-I02	HAND-OFF-AUTO SWITCH FOR CWP-2	DO	-	-	-	-	-	-

CONTROLS ABBREVIATIONS LEGEND

AO, DO	ANALOG OUTPUT, DIGITAL OUTPUT
AI, DI	ANALOG INPUT DIGITAL INPUT
CL	DIRECT COMMUNICATION LINE BETWEEN VFD, CHILLER CONTROL PANEL, ETC TO RELAY ALL INFORMATION INCLUDING UNIT STATUS, OPERATING PARAMETERS ALARMS, ETC.
HS	HUMIDITY SENSOR
HLH	HIGH-LIMIT HUMIDITY SENSOR
TS	TEMPERATURE SENSOR
SPS	DUCT STATIC PRESSURE SENSOR
HLP	HIGH LIMIT PRESSURE SENSOR TO OVER-RIDE DUCT STATIC PRESSURE SENSOR
DPS	DIFFERENTIAL PRESSURE SENSOR
LTT	LOW TEMPERATURE THERMOSTAT, CAPILLARY TUBE SERPENTINED
AMS	AIRFLOW MEASURING STATION
SD	SMOKE DAMPER
DD	DUCT DETECTOR
VA	MOTORIZED ELECTRONIC VALVE ACTUATOR
DA	MOTORIZED ELECTRONIC DAMPER ACTUATOR
APS	AIRFLOW PROVING SWITCH
HOA	HAND-OFF-AUTO CONTROLLER
S/S	START/STOP OR ENABLE/DISABLE COMMAND TO UNIT CONTACTS
XXX-XXX	INDICATES REQUIRED CONTROL DEVICE OR SENSOR
(XX)	INDICATES INPUT OR OUTPUT POINT ON CONTROLLER
→	FIELD REQUIRED CONTROL WIRING FROM DEVICE OR SENSOR TO CONTROLLER
cd-xxx	CONTROL DAMPER WITH EQUIPMENT DESIGNATION NUMBER
cv-xxx	CONTROL VALVE WITH EQUIPMENT DESIGNATION NUMBER



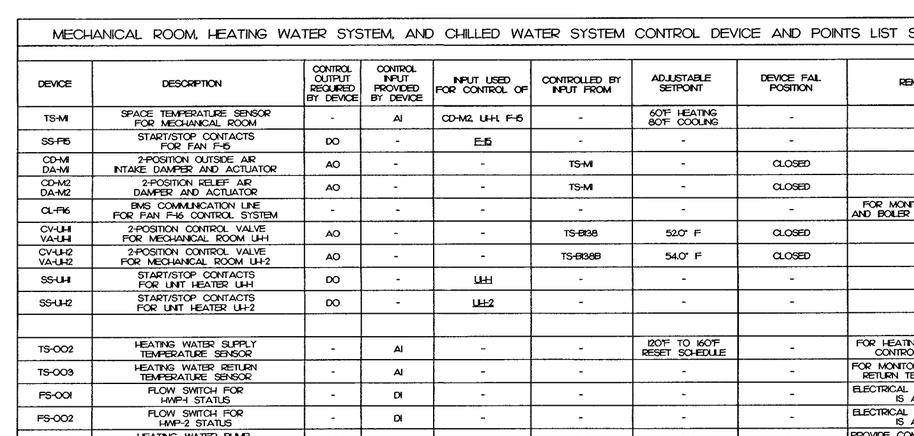
MECHANICAL ROOM HEATING, VENTILATION, AND COMBUSTION AIR CONTROLS SCHEMATIC

MECHANICAL ROOM CONTROLS SEQUENCES

1. THE COMBUSTION AIR FAN F-I5 MANUFACTURER SHALL SUPPLY THE COMBUSTION AIR FAN, DIFFERENTIAL PRESSURE SENSOR, CONTROLLER AND VFD TO MAINTAIN POSITIVE BOILER ROOM PRESSURE OF 0.02" WITH RESPECT TO THE OUTSIDE. THE DDC CONTROLS CONTRACTOR SHALL PROVIDE A COMMUNICATION LINE TO THE VFD TO MONITOR STATUS AND ALL COMBUSTION AIR SYSTEM ALARMS. WHEN THE COMBUSTION AIR SYSTEM FAN IS OPERATING, THE DDC SYSTEM SHALL OPEN THE OUTSIDE AIR INTAKE DAMPER CD-MI. THE CONTROLS CONTRACTOR SHALL PROVIDE A STATUS SWITCH FOR DAMPER CD-MI TO PROVE WHEN DAMPER CD-MI IS FULLY OPEN.

2. UPON A CALL FOR HEATING TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 60°F (ADJUSTABLE) AS SENSED BY ROOM TEMPERATURE SENSOR TS-MI, THE CONTROLLER SHALL OPEN THE 2-POSITION UNIT HEATER CONTROL VALVES CV-UHI AND CV-UH2 AND SHALL START THE FANS FOR BOTH UNIT HEATERS. UPON SATISFYING THE ROOM TEMPERATURE SETPOINT THE VALVES SHALL BE CLOSED AND THE UNIT HEATER FANS SHALL BE STOPPED.

3. UPON A CALL FOR COOLING TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 80°F (ADJUSTABLE) AS SENSED BY ROOM TEMPERATURE SENSOR TS-MI, THE CONTROLLER SHALL OPEN THE OUTSIDE AIR INTAKE DAMPER CD-MI AND THE RELIEF DAMPER CD-M2 AND SHALL START THE MECHANICAL ROOM VENTILATION FAN F-I4. UPON SATISFYING THE ROOM TEMPERATURE SETPOINT, THE FAN SHALL BE STOPPED AND THE DAMPERS SHALL BE CLOSED



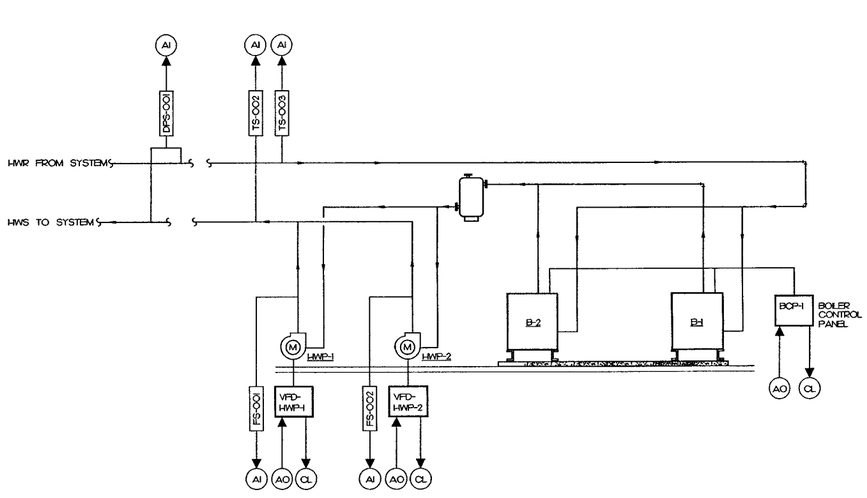
CHILLED WATER SYSTEM CONTROL SCHEMATIC

CHILLED WATER SYSTEM CONTROLS SEQUENCES

1. WHEN THE OUTSIDE AIR TEMPERATURE IS 45°F AND ABOVE THE CONTROLS SHALL START THE LEAD PUMP CWP-I THROUGH HOA-I01. FLOW SHALL BE VERIFIED THROUGH FLOW SWITCH FS-I01. IF FLOW CAN NOT BE VERIFIED AN ALARM SHALL BE SENT TO THE MAIN BMS SYSTEM AND TO THE OPERATOR'S WORK STATION AND THEN THE CONTROL SYSTEM SHALL START THE LAG PUMP CWP-2. THE LEAD PUMP SHALL BE CHANGED AFTER EVERY 100 HOURS OF OPERATION (ADJUSTABLE). THE PROCESS SHALL BE REPEATED WITH THE NEW LEAD PUMP CWP-2 USING HOA-I02 AND FS-I02.

2. THE CHILLERS SHALL CONTAIN AN INTEGRAL CONTROL PANEL TO STAGE ON AND OFF EQUIPMENT AND TO MODULATE CAPACITY. THE BMS SHALL COMMUNICATE WITH AND MONITOR ALL ALARMS FOR BOTH CHILLERS CH-I AND CH-2. THE BMS SYSTEM SHALL BE CAPABLE OF CHANGING THE DISCHARGE CHILLED WATER TEMPERATURE SETPOINT OF EACH CHILLER FROM THE OPERATOR'S WORKSTATION. THE BMS SHALL BE CAPABLE OF MONITORING CHILLED WATER SUPPLY AND RETURN TEMPERATURES AND FLOW/PRESSURE DROP STATUS AS SENSED BY THE CHILLER CONTROL PANEL. ALL CHILLER ALARMS SHALL BE SENT TO THE MAIN BMS SYSTEM AND TO THE OPERATOR'S WORK STATION. TS-I01 AND TS-I02 SHALL BE PROVIDED TO MONITOR CHILLED WATER SUPPLY AND RETURN TEMPERATURES THROUGH THE BMS SYSTEM.

3. THE CHILLERS ARE ARRANGED IN A SERIES FLOW APPLICATION SUCH THAT ALL OF THE WATER FLOWS THROUGH EACH OF THE CHILLERS. THE BMS SYSTEM SHALL PROVIDE A CONTROL LOOP TO CONTINUALLY MONITOR THE SUPPLY AND RETURN WATER TEMPERATURE AND SHALL RESET THE DISCHARGE OF THE FIRST CHILLER BASED ON THE FORMULA: TEMP = ((TS-I02) - 42°F) / 2. VERBALLY THIS STATES THAT THE DISCHARGE TEMPERATURE OF THE FIRST CHILLER SHALL BE RESET TO A TEMPERATURE EQUAL TO THE MID-POINT TEMPERATURE BETWEEN THE RETURN TEMPERATURE AS SENSED BY TS-I02 AND THE CONSTANT DISCHARGE TEMPERATURE OF 42°F (ADJUSTABLE) FOR THE SECOND CHILLER



CONTROL SCHEMATIC FOR HEATING WATER SYSTEM

HEATING WATER SYSTEM CONTROLS SEQUENCES

1. THE BOILER MANUFACTURER SHALL PROVIDE A BOILER CONTROLLER BCP-I TO STAGE, MONITOR, AND MODULATE THREE BOILERS TO PROVIDE HEATING WATER YEAR ROUND. THE INITIAL BUILDING HEATING REQUIRES ONLY TWO BOILERS AS SCHEDULED BUT PROVISIONS SHALL BE MADE TO INCORPORATE A THIRD BOILER AT A FUTURE DATE. THE BOILER CONTROLLER SHALL ONLY ALLOW TWO OF THE THREE BOILERS TO FIRE AT ANY GIVEN TIME. THE BOILER CONTROLLER SHALL HAVE A SYSTEM TO SEQUENCE THE BOILERS SUCH THAT EACH BOILER HAS APPROXIMATELY THE SAME AMOUNT OF USE. THE BOILER CONTROLLER SHALL ALSO CONTAIN AN OPTIMIZATION PROGRAM IN ORDER TO DETERMINE THE MOST EFFICIENT METHOD TO STAGE, FIRE, AND MODULATE THE BOILERS. THE BOILER CONTROLLER SHALL SEND ALL ALARMS TO THE MAIN BMS SYSTEM AND TO THE OPERATOR'S WORK STATION.

2. THE CONTROLS SHALL START THE LEAD PUMP HWP-I THROUGH VFD-HWP-I. FLOW SHALL BE VERIFIED THROUGH FLOW SWITCH FS-001. IF FLOW CAN NOT BE VERIFIED AN ALARM SHALL BE SENT TO THE MAIN BMS SYSTEM AND TO THE OPERATOR'S WORK STATION AND THEN THE CONTROL SYSTEM SHALL START THE LAG PUMP HWP-2. THE LEAD PUMP SHALL BE CHANGED AFTER EVERY 100 HOURS OF OPERATION (ADJUSTABLE). THE PROCESS SHALL BE REPEATED WITH THE NEW LEAD PUMP HWP-2 USING VFD-HWP-2 AND FS-002.

3. TEMPERATURE SENSORS TS-002 AND TS-003 SHALL MONITOR THE HEATING WATER SUPPLY AND RETURN WATER TEMPERATURE. THE BMS SHALL PROVIDE A RESET SCHEDULE FOR HEATING WATER SUPPLY TEMPERATURE. HEATING WATER TEMPERATURE SHALL BE RESET FROM 120°F TO 160°F AS THE OUTSIDE AIR VARIES FROM 72°F TO 32°F. THE HEATING WATER SUPPLY TEMPERATURE SHALL BE 120°F AT ALL TIMES THE OUTSIDE AIR TEMPERATURE IS ABOVE 72°F. THE HEATING WATER SUPPLY TEMPERATURE SHALL BE 160°F AT ALL TIMES THE OUTSIDE AIR TEMPERATURE IS BELOW 32°F.

4. HEATING WATER PUMP VFD's VFD-HWP-I AND HWP-2 SHALL CONTROL THEIR RESPECTIVE PUMPS TO MAINTAIN THE DIFFERENTIAL STATIC PRESSURE SETPOINT OF 10 PSIG (ADJUSTABLE) AS SENSED BY DPS-001. THE LOCATION OF DPS-001 IS SHOWN ON THE PLANS.

5. THE BMS SHALL COMMUNICATE WITH AND MONITOR ALL ALARMS FOR BOTH VFD's. THE BMS SHALL BE CAPABLE OF MONITORING AND CHANGING ALL SETPOINTS AND INPUTS FOR EACH VFD FROM THE OPERATOR'S WORKSTATION.

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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CONTROLS SCHEMATICS AND SEQUENCES

CONTROLS ABBREVIATIONS LEGEND

AO, DO	ANALOG OUTPUT DIGITAL OUTPUT
AI, DI	ANALOG INPUT, DIGITAL INPUT
CL	DIRECT COMMUNICATION LINE BETWEEN VFD, CHILLER CONTROL PANEL, ETC. TO RELAY ALL INFORMATION INCLUDING UNIT STATUS, OPERATING PARAMETERS ALARMS, ETC.
HS	HUMIDITY SENSOR
HLH	HIGH-LIMIT HUMIDITY SENSOR
TS	TEMPERATURE SENSOR
SPS	DUCT STATIC PRESSURE SENSOR
HLP	HIGH LIMIT PRESSURE SENSOR TO OVER-RIDE DUCT STATIC PRESSURE SENSOR
DPS	DIFFERENTIAL PRESSURE SENSOR
LTT	LOW TEMPERATURE THERMOSTAT, CAPILLARY TUBE SERPENTINED
AMS	AIRFLOW MEASURING STATION
SD	SMOKE DAMPER
DD	DUCT DETECTOR
VA	MOTORIZED ELECTRONIC VALVE ACTUATOR
DA	MOTORIZED ELECTRONIC DAMPER ACTUATOR
APS	AIRFLOW PROVING SWITCH
HOA	HAND-OFF-AUTO CONTROLLER
S/S	START/STOP OR ENABLE/DISABLE COMMAND TO UNIT CONTACTS
XXX-XXX	INDICATES REQUIRED CONTROL DEVICE OR SENSOR
(XX)	INDICATES INPUT OR OUTPUT POINT ON CONTROLLER
→	FIELD REQUIRED CONTROL WIRING FROM DEVICE OR SENSOR TO CONTROLLER
DD-XXX	CONTROL DAMPER WITH EQUIPMENT DESIGNATION NUMBER
CV-XXX	CONTROL VALVE WITH EQUIPMENT DESIGNATION NUMBER

INFECTION ISOLATION ROOMS CONTROLS SEQUENCES

1. THE CONSTANT VOLUME EXHAUST VALVES AND SUPPLY VALVES SHALL BE FACTORY CALIBRATED FOR THE CFM SHOWN ON THE SCHEDULES. THE EXHAUST VALVES SHALL BE TWO-POSITION. NORMAL POSITION SHALL BE SET TO HAVE EXHAUST VALVE AIRFLOW EQUAL THE SUPPLY VALVE AIRFLOW. ISOLATION MODE POSITION SHALL BE SET TO HAVE THE EXHAUST AIRFLOW EQUAL THE EXHAUST VALUE LISTED IN THE SCHEDULES. THESE VALVES SHALL BE PROVIDED WITH DIFFERENTIAL PRESSURE SWITCH FOR ALARM STATUS AND WIRED TO THE ACTIVE PRESSURE MONITOR (APM-#) PROVIDED BY THE ISOLATION ROOM CONTROLS VENDOR. THE KEYED SELECTOR SWITCH KS-# SHALL BE WIRED TO BOTH THE ANTE ROOM APM AND THE ISOLATION ROOM APM TO SELECT BETWEEN NORMAL OPERATING MODE AND ISOLATION ROOM MODE. WHEN ISOLATION ROOM MODE IS SELECTED BOTH APM s IN THAT SYSTEM SHALL BE ENERGIZED AND SHALL DISPLAY THE DIFFERENTIAL PRESSURE READING AND ALL ALARMS. THE DDC CONTROLS CONTRACTOR SHALL CONNECT EACH APM TO THE DDC SYSTEM IN ORDER TO MONITOR ALL ALARMS.
2. THE ROOM TEMPERATURE SENSOR TS-SAV#-# SHALL PROVIDE INPUT TO CONTROL THE REHEAT COIL CONTROL VALVE ACTUATOR VA-HWC# TO MAINTAIN TEMPERATURE SETPOINT OF ROOM. THE DUCT TEMPERATURE SENSOR TS-SAV#-# SHALL PROVIDE INPUT FOR MONITORING DUCT TEMPERATURE. DURING OCCUPIED MODE, THE REHEAT COIL SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE OF 72°F (ADJUSTABLE). DURING UNOCCUPIED MODE, THE REHEAT COIL SHALL BE MODULATED TO MAINTAIN MINIMUM TEMPERATURE OF 62°F (ADJUSTABLE). CONTROL VALVE SHALL BE NON-SPRING RETURN TO FAIL IN LAST POSTION COMMANDED
3. STATIC PRESSURE SENSOR SPS-X-# SHALL BE LOCATED IN THE EXHAUST DUCT MAIN NEAR THE ROOF PENETRATION. SENSOR SHALL PROVIDE SIGNAL TO DDC SYSTEM TO MONITOR STATIC PRESSURE OF EXHAUST SYSTEM.

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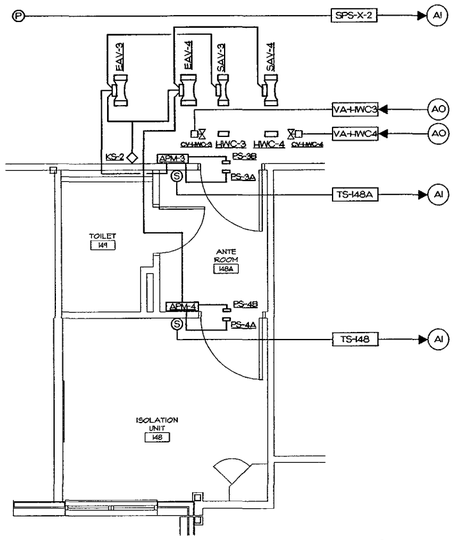
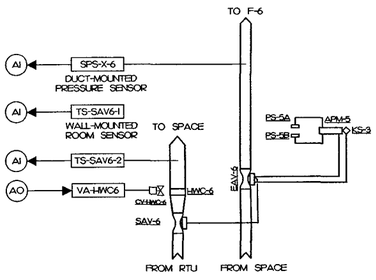


CONTROL SCHEMATIC FOR ISOLATION UNIT ROOM 148 WITH ANTE ROOM 148A



CONTROL SCHEMATIC FOR DECONTAMINATION ROOM

DECONTAMINATION ROOM CONTROLS SEQUENCES

1. THE CONSTANT VOLUME EXHAUST VALVE EAV-6 AND SUPPLY VALVE SAV-6 SHALL BE FACTORY CALIBRATED FOR THE CFM SHOWN ON THE SCHEDULES. THE EXHAUST VALVE SHALL BE TWO-POSITION. NORMAL POSITION SHALL BE SET TO HAVE EXHAUST VALVE AIRFLOW EQUAL THE SUPPLY VALVE AIRFLOW. ISOLATION MODE POSITION SHALL BE SET TO HAVE THE EXHAUST AIRFLOW EQUAL THE EXHAUST VALUE LISTED IN THE SCHEDULES. THESE VALVES SHALL BE PROVIDED WITH DIFFERENTIAL PRESSURE SWITCH FOR ALARM STATUS AND WIRED TO THE ACTIVE PRESSURE MONITOR APM-5 PROVIDED BY THE ISOLATION ROOM CONTROLS VENDOR. THE KEYED SELECTOR SWITCH KS-3 SHALL BE WIRED TO THE APM-5 TO SELECT BETWEEN NORMAL OPERATING MODE AND ISOLATION ROOM MODE. WHEN ISOLATION ROOM MODE IS SELECTED THE APM SHALL BE ENERGIZED AND SHALL DISPLAY THE DIFFERENTIAL PRESSURE READING AND ALL ALARMS. THE DDC CONTROLS CONTRACTOR SHALL CONNECT EACH APM TO THE DDC SYSTEM IN ORDER TO MONITOR ALL ALARMS.
2. THE ROOM TEMPERATURE SENSOR TS-SAV6-1 SHALL PROVIDE INPUT TO CONTROL THE REHEAT COIL CONTROL VALVE ACTUATOR VA-HWC6 TO MAINTAIN TEMPERATURE SETPOINT OF ROOM. THE DUCT TEMPERATURE SENSOR TS-SAV6-2 SHALL PROVIDE INPUT FOR MONITORING DUCT TEMPERATURE. DURING OCCUPIED MODE, THE REHEAT COIL SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE OF 72°F (ADJUSTABLE). DURING UNOCCUPIED MODE, THE REHEAT COIL SHALL BE MODULATED TO MAINTAIN MINIMUM TEMPERATURE OF 62°F (ADJUSTABLE). CONTROL VALVE SHALL BE NON-SPRING RETURN TO FAIL IN LAST POSTION COMMANDED
3. STATIC PRESSURE SENSOR SPS-X-6 SHALL BE LOCATED IN THE EXHAUST DUCT MAIN NEAR THE ROOF PENETRATION. SENSOR SHALL PROVIDE SIGNAL TO DDC SYSTEM TO MONITOR STATIC PRESSURE OF EXHAUST SYSTEM.

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FANS, DECONTAMINATION ROOM, GI LABORATORY, AND ISOLATION ROOMS CONTROL DEVICE AND POINTS LIST SCHEDULE

DEVICE	DESCRIPTION	CONTROL OUTPUT REQUIRED BY DEVICE	CONTROL INPUT PROVIDED BY DEVICE	INPUT USED FOR CONTROL OF	CONTROLLED BY INPUT FROM	ADJUSTABLE SETPOINT	DEVICE FAIL POSITION	REMARKS
TS-135								
TS-135A								
CV-HWC-1 VA-HWC-1								
CV-HWC-2 VA-HWC-2								
APM-1								
APM-2								
SAV-1								
SAV-2								
EAV-1								
EAV-2								
PS-1A								
PS-1B								
PS-2A								
PS-2B								
KS-1								
TS-148	SPACE TEMPERATURE SENSOR FOR ISOLATION ROOM 148	-	AI	VA-HWC-4	-	72°F	-	-
TS-148A	SPACE TEMPERATURE SENSOR FOR ANTE ROOM 148A	-	AI	VA-HWC-3	-	72°F	-	-
CV-HWC-4 VA-HWC-4	REHEAT COIL HWC-4 CONTROL VALVE FOR ISOLATION ROOM 148	AO	-	-	TS-148	-	LAST POSITION	-
CV-HWC-3 VA-HWC-3	REHEAT COIL HWC-4 CONTROL VALVE FOR ANTE ROOM 148A	AO	-	-	TS-148A	-	LAST POSITION	-
APM-4	ACTIVE PRESSURE MONITOR FOR ISOLATION ROOM 148	-	2 ALARMS	-	-	-0.010" SP	-	ALARM FOR ROOM PRESSURE ALARM FOR VALVE PRESSURE
APM-3	ACTIVE PRESSURE MONITOR FOR ANTE ROOM 148A	-	2 ALARMS	-	-	-0.010" SP	-	ALARM FOR ROOM PRESSURE ALARM FOR VALVE PRESSURE
SAV-4	CONSTANT VOLUME SUPPLY AIR VALVE FOR ISOLATION ROOM 148	-	1 ALARM	-	-	-	-	VALVE PRESSURE ALARM SENT TO APM-4
SAV-3	CONSTANT VOLUME SUPPLY AIR VALVE FOR ANTE ROOM 148A	-	1 ALARM	-	-	-	-	VALVE PRESSURE ALARM SENT TO APM-3
EAV-4	2-POSITION EXHAUST AIR VALVE FOR ISOLATION ROOM 148	-	1 ALARM	-	-	-	-	VALVE PRESSURE ALARM SENT TO APM-4
EAV-3	2-POSITION EXHAUST AIR VALVE FOR ANTE ROOM 148A	-	1 ALARM	-	-	-	-	VALVE PRESSURE ALARM SENT TO APM-3
PS-4A	APM-4 AIR PRESSURE SENSOR FOR ISOLATION ROOM 148	-	-	-	-	-	-	CONNECT TUBING TO APM-4
PS-4B	APM-4 AIR PRESSURE SENSOR FOR ANTE ROOM 148A	-	-	-	-	-	-	CONNECT TUBING TO APM-4
PS-3A	APM-3 AIR PRESSURE SENSOR FOR ANTE ROOM 148A	-	-	-	-	-	-	CONNECT TUBING TO APM-3
PS-3B	APM-3 AIR PRESSURE SENSOR FOR CORRIDOR	-	-	-	-	-	-	CONNECT TUBING TO APM-3
KS-2	WALL-MOUNTED KEYED SELECTOR SWITCH TO SELECT NORMAL OR ISOLATION MODE	-	DO	-	-	-	-	SEND SIGNAL TO BMS INTERLOCK WITH EAV-3 AND 4
DELETED								
TS-SAV6-1	SPACE TEMPERATURE SENSOR FOR DECONTAMINATION ROOM	-	AI	VA-HWC-6	-	72°F	-	-
TS-SAV6-2	SUPPLY DUCT TEMPERATURE SENSOR FOR DECONTAMINATION ROOM	-	AI	MONITORING	-	-	-	FOR MONITORING SUPPLY DUCT TEMPERATURE
CV-HWC-6 VA-HWC-6	REHEAT COIL HWC-6 CONTROL VALVE FOR DECONTAMINATION ROOM	AO	-	-	TS-SAV5-1	-	LAST POSITION	-
APM-5	ACTIVE PRESSURE MONITOR FOR DECONTAMINATION ROOM	-	2 ALARMS	-	-	-0.010" SP	-	ALARM FOR ROOM PRESSURE ALARM FOR VALVE PRESSURE
SAV-6	CONSTANT VOLUME SUPPLY AIR VALVE FOR DECONTAMINATION ROOM	-	1 ALARM	-	-	-	-	VALVE PRESSURE ALARM SENT TO APM-5
EAV-6	2-POSITION EXHAUST AIR VALVE FOR DECONTAMINATION ROOM	-	1 ALARM	-	-	-	-	VALVE PRESSURE ALARM SENT TO APM-5
PS-5A	APM-5 AIR PRESSURE SENSOR FOR DECONTAMINATION ROOM	-	-	-	-	-	-	CONNECT TUBING TO APM-5
PS-5B	APM-5 AIR PRESSURE SENSOR FOR CORRIDOR	-	-	-	-	-	-	CONNECT TUBING TO APM-5
KS-3	WALL-MOUNTED KEYED SELECTOR SWITCH TO SELECT NORMAL OR ISOLATION MODE	-	DO	-	-	-	-	SEND SIGNAL TO BMS INTERLOCK WITH EAV-6
PS-X-2	STATIC PRESSURE SENSOR FOR EXHAUST FAN F-2	-	AI	-	-	FOR MONITORING	-	LOCATE IN EXHAUST DUCT MAIN NEAR ROOF
PS-X-4	STATIC PRESSURE SENSOR FOR EXHAUST FAN F-4	-	AI	-	-	FOR MONITORING	-	LOCATE IN EXHAUST DUCT MAIN NEAR ROOF
PS-X-6	STATIC PRESSURE SENSOR FOR EXHAUST FAN F-6	-	AI	-	-	FOR MONITORING	-	LOCATE IN EXHAUST DUCT MAIN NEAR ROOF
DELETED								

NOTES:
TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE 120 TO 24 VOLT TRANSFORMER, ALL TEMPERATURE SENSORS, CONTROL VALVES WITH ACTUATORS, EXHAUST FAN STATIC PRESSURE SENSOR, AND ALARM WIRING TO CONTACTS IN EACH ACTIVE PRESSURE MONITOR (APM). ISOLATION CONTROL SYSTEM MANUFACTURER SHALL PROVIDE AND INSTALL ALL OTHER REQUIRED COMPONENTS.

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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1	7/13/2007	GMP SET

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CONTROLS SCHEMATICS AND SEQUENCES

ROOF TOP AIR HANDLING UNIT SCHEDULE PART 1 (13)

UNIT DESIG.	SUPPLY AIR FAN (1) MAXIMUM AIRFLOW (CFM)	FAN TYPE	ESTM. ESP (" S.P.)	ESTIMATED POWER (H.P.)	CHILLED WATER COOLING COIL (2) COOLING AIRFLOW (CFM)	MIN. FACE AREA (SQ. FT.) (9)	MAX. ROWS/ FPF	MAX. APD (" S.P.)	EAT (°F DB/°F WB)	TOTAL COOLING CAPACITY (MBH)	SENSIBLE COOLING CAPACITY (MBH)	WATER FLOW (GPM)	MAX. WPD (FT.)	HOT WATER HEATING COIL (3, 11) HEATING AIRFLOW (CFM)	MIN. FACE AREA (SQ. FT.) (9)	MAX. ROWS/ FPF	MAX. APD (S.P.)	EAT (°F DB)	TOTAL HEATING CAPACITY (MBH)	WATER FLOW (GPM)	MAX. WPD (FT.)
DELETED																					
AHU-B	10000	AF	4	20	10000	20.78	8 / 151	112	82.5 / 68.5	552.0	346.0	92	20	10000	12.46	2 / 8	0.46	48.9	228.0	18	10
AHU-C	10000	AF	4	20	10000	20.78	8 / 151	112	82.5 / 68.5	552.0	346.0	92	20	10000	12.46	2 / 8	0.46	48.9	228.0	18	10
AHU-D-BASE	11000	AF	4	20	11000	24.68	8 / 139	95	82.5 / 68.5	607.0	380.0	101	20	11000	17.32	2 / 8	0.3	48.9	251.0	20	10
DELETED																					
AHU-E	15500	AF	4	30	15500	34.14	8 / 122	.89	82.5 / 68.5	856.0	536.0	143	20	15500	20.79	2 / 8	0.4	48.9	353.0	28	10
DELETED																					

ROOF TOP AIR HANDLING UNIT SCHEDULE PART 2 (13)

UNIT DESIG.	MIXED AIR FILTER (10) TYPE	MAX. AIRFLOW (CFM)	MIN. F.A. (SQ.FT.) (9)	EFFIC. (%)	MAXIMUM PRESSURE DROP INITIAL/ MIDLIFE (14)	FINAL FILTER (10) TYPE	MAX. AIRFLOW (CFM)	MIN. F.A. (SQ.FT.) (9)	EFFIC. (%)	MAXIMUM PRESSURE DROP INITIAL/ MIDLIFE (14)	RETURN AIR FAN (4) AIRFLOW (CFM)	FAN TYPE	ESTM. ESP (" S.P.)	ESTM. POWER (H.P.)	ELECTRICAL REQUIREMENTS VOLTAGE (VOLTS)	PHASE (#Ø)	UNIT REQUIREMENTS MIN. O.A. (% OF TOTAL SUPPLY CFM)	REMARKS
DELETED																		
AHU-B	ANGLED	10000	31.1	MERV 7	.1 / .7	CARTRIDGE	10000	22	90	.25 / .85	10000	FC	15	5	460	3	30	5, 7, 8
AHU-C	ANGLED	10000	31.1	MERV 7	.1 / .7	CARTRIDGE	10000	22	90	.25 / .85	10000	FC	15	5	460	3	30	5, 7, 8
AHU-D-BASE	ANGLED	11000	38.9	MERV 7	.1 / .7	CARTRIDGE	11000	24	90	.25 / .85	11000	FC	15	7.5	460	3	30	5, 7 8
DELETED																		
AHU-E	ANGLED	15500	63.9	MERV 7	.1 / .7	CARTRIDGE	15500	30.7	90	.25 / .85	15500	FC	15	10	460	3	45	5, 7, 8
DELETED																		

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES SHEETMETAL WORK ONLY TOTAL STATIC PRESSURE SHALL INCLUDE EXTERNAL SP PLUS ALL UNIT COMPONENTS, WITH WET COILS, 100% ECONOMIZER, AND MIDLIFE AIR FILTERS.
2. 42°F EWT, 12°F WTR, 30% PROPYLENE GLYCOL BY WEIGHT
3. 160°F EWT, 25°F WTD UNLESS OTHERWISE NOTED
4. EXTERNAL STATIC PRESSURE INCLUDES SHEETMETAL WORK ONLY TOTAL STATIC PRESSURE SHALL INCLUDE EXTERNAL SP PLUS ALL UNIT COMPONENTS, INCLUDING ECONOMIZER AND FILTERS AT MID-LIFE.
5. UNIT SHALL BE OUTDOOR TYPE, CONSTANT AIR VOLUME VOLUME MEDIUM PRESSURE SYSTEM WITH 100% ECONOMIZER
6. UNIT SHALL BE OUTDOOR TYPE, VARIABLE AIR VOLUME VOLUME MEDIUM PRESSURE SYSTEM WITH 100% ECONOMIZER.
7. FURNISH AND INSTALL WITH A SUPPLY FAN AND A RETURN/RELIEF FAN.
8. PROVIDE VARIABLE FREQUENCY DRIVE UNITS FOR THE SUPPLY AND RETURN/RELIEF FANS EACH.
9. BASED ON 500 FPM FACE VELOCITY
10. FILTER AND RACK SECTIONS SHALL BE PROVIDED BY THE FILTER MANUFACTURER REFER TO PLANS FOR LOCATION OF FILTER SECTION.
11. HEATING COIL SHALL BE PROVIDED WITH INTEGRAL FACE AND BYPASS DAMPERS.
12. 30°F EWT, 10°F WTR, 30% PROPYLENE GLYCOL BY WEIGHT. UNLESS OTHERWISE NOTED
13. UNITS SHALL BE PROVIDED WITH SIGHT SCREENS ON THE THREE EXTERIOR SIDES.
14. PROVIDE UNIT WITH ROOF CURB OF SUFFICIENT HEIGHT TO ENSURE THAT BOTTOM OF AIR INTAKE IS 36 MINIMUM ABOVE FINISHED ROOF MINIMUM CURB HEIGHT SHALL BE 18"

MAKE UP AIR UNIT

UNIT DESIG.	SUPPLY FAN (1) AIRFLOW (CFM)	ESTM. ESP (" W.C.)	ESTM. POWER (H.P.)	EVAPORATOR COIL (2) MIN. FACE AREA (SQ. FT.)	COOLING EAT (°F DB/°F WB)	MIN. TOTAL COOLING (MBH)	MIN. SENSIBLE COOLING (MBH)	NUMBER OF COOLING STAGES	GAS HEAT EXCHANGER (3) HEATING EAT (°F DB)	DESIGN MAXIMUM INPUT (CFH)	MINIMUM HEATING OUTPUT (MBH)	MINIMUM TURN DOWN RATIO	ELECTRICAL REQUIREMENTS VOLTAGE (VOLTS)	PHASE (#Ø)	REMARKS
MUA-1	3600	1	(2) AT 2 HP EACH	7.56	100/78	340	180	3	0	400	290	6:1	460	3	—

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES SHEET METAL WORK ONLY TOTAL STATIC PRESSURE SHALL INCLUDE EXTERNAL SP PLUS ALL UNIT COMPONENTS INCLUDING WET COIL AND MID-LIFE FILTERS. UNIT SHALL BE SUPPLIED WITH TWO (2) BLOWER MOTORS.
2. COOLING BASED ON 110°F AMBIENT TEMPERATURE.
3. GAS INPUT REQUIREMENT OF SPECIFIED UNIT COORDINATED WITH PLUMBING DRAWINGS. RE: PLUMBING DRAWINGS. ACTUAL HEAT EXCHANGER SHALL MEET OR EXCEED THE MINIMUM TOTAL HEATING SCHEDULED. UNIT SHALL BE PROVIDED WITH FULLY MODULATING GAS VALVE.
4. PROVIDE UNIT WITH ROOF CURB OF SUFFICIENT HEIGHT TO ENSURE THAT BOTTOM OF AIR INTAKE IS 36 MINIMUM ABOVE FINISHED ROOF MINIMUM CURB HEIGHT SHALL BE 18

AIR HANDLING UNIT/CONDENSING UNIT SCHEDULE (5)

AIR HANDLING UNIT: UNIT DESIG.	SUPPLY FAN (1) AIRFLOW (CFM)	MOTOR OUTPUT (WATTS)	EVAPORATOR COIL (2) COOLING EAT (°F DB/°F WB)	MIN. TOTAL COOLING (MBH)	MAX. TOTAL COOLING (MBH)	MAX. SENS. COOLING (MBH)	ELECTRIC REQUIREMENTS ELECTRICAL (VOLTS/PH.)	M.C.A. (AMPS)	CONDENSING UNIT (3): UNIT DESIG.	UNIT REQUIREMENTS ELECTRICAL (VOLTS/PH.)	M.C.A. (AMPS)	MIN. EFFICIENCY (4)
CAHU-1	315	30	80 / 67	6	12	10.32	208 / 1	1	CCU-1	208 / 1	13	13.8 SEER

NOTES:

1. AIRFLOW AT MEDIUM FAN SPEED THRU WET COIL.
2. COOLING BASED ON 110°F AMBIENT TEMPERATURE.
3. UNIT SHALL BE CABABLE OF PROVIDING CAPACITIES, STAGES, AND CIRCUITS SCHEDULED FOR THE ASSOCIATED AIR HANDLING UNIT AND CAPABLE OF PROVIDING COOLING DOWN TO 0°F AMBIENT
4. EFFICENCY AT ARI 210/240 OR ARI 340/360 TEST CONDITIONS APPROPRIATE FOR THEIR RESPECTIVE SIZE.
5. CAHU UNIT SHALL BE P-SERIES BY MITSUBISHI ELECTRIC, MODEL PKA SIZED TO MEET REQUIREMENTS OR APPROVED EQUIVALENT CCU UNIT SHALL BE P-SERIES BY MITSUBISHI ELECTRIC, MODEL PUY SIZED TO MEET REQUIREMENTS OR APPROVED EQUIVALENT

ELECTRIC CABINET HEATER SCHEDULE (1)

UNIT DESIGN.	CABINET TYPE	SUPPLY FAN (1) HIGH FAN AIRFLOW (CFM)	ESTM. ESP (" W.C.)	ESTM. HP	ELECTRIC HEAT COIL HEATING AIRFLOW (CFM)	HEATING EAT (°F DB)	TOTAL HEATING CAPACITY (KW)	ELECTRICAL REQUIREMENTS VOLTAGE (VOLTS)	PHASE (#Ø)	NOTES
ECH-1	VERTICAL WALL RECESSED	250	0	1/25	240	40	5	460	3	–

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES ALL SHEET METAL WORK. TOTAL STATIC PRESSURE SHALL INCLUDE EXTERNAL SP PLUS ALL UNIT COMPONENTS INCLUDING COIL AND CLEAN FILTERS.

KITCHEN EXHAUST HOOD (H-) SCHEDULE

HOOD IDENTIFICATION: UNIT DESIG.	MATERIAL	SIZE "LxWxD"	EXHAUST REQUIREMENTS AIRFLOW (CFM)	MAXIMUM APD (" W.C.) (1)	DUCT COLLAR "LxW" (4)	COLLAR VELOCITY (FPM)	MAKE-UP AIR REQUIREMENTS AIRFLOW (CFM)	MAXIMUM APD. (" W.C.) (1)	DUCT COLLAR "LxW" (5)	REMARKS
KH-1	18 Ga SS	120x48x24	4000	0.69	18x12	1500	3520	0.39	16x10	3

NOTES:

1. STATIC PRESSURE INCLUDES STATIC PRESSURE DROP THRU HOOD ONLY INCLUDING DUCT COLLAR AND ALL ACCESSORIES SUCH AS BAFFLES, FILTERS, ETC.
2. WALL STYLE GREASE HOOD AND INTERNAL FACE SUPPLY PLENUM WITH ALUMINUM BAFFLE GREASE FILTERS, INCANDESCENT UL VAPOR PROOF LIGHTS, AND CHEMICAL FIRE SUPPRESSION SYSTEM.
3. PROVIDE FRONT AND END ENCLOSURE PANELS. PROVIDE 3" BLANK-OFF ENTIRE LENGTH AND DEPTH OF HOOD AGAINST WALL.
4. RECTANGULAR EXHAUST COLLAR REFER TO FLOOR PLAN FOR ORIENTATION.
5. RECTANGULAR MAKE-UP AIR COLLAR, REFER TO FLOOR PLAN FOR ORIENTATION.

ROOFTOP UNIT SCHEDULE

UNIT DESIG.	SUPPLY FAN (1) AIRFLOW (CFM)	ESTM. ESP (" W.C.)	ESTM. POWER (H.P.)	EVAPORATOR COIL (2) MIN. FACE AREA (SQ. FT.)	COOLING EAT (°F DB/°F WB)	MIN. TOTAL COOLING (MBH)	MIN. SENS. COOLING (MBH)	NO. OF STAGES	GAS HEAT EXCHANGER (4) HEATING EAT (°F DB)	DESIGN MAXIMUM INPUT (CFH)	MINIMUM HEATING OUTPUT (MBH)	NO OF STAGES	ELECTRICAL REQUIREMENTS VOLTAGE (VOLTS)	PHASE (#Ø)	M.C.A. (AMPS)	UNIT REQUIREMENTS MIN. EFFICIENCY (3)	MIN. O.A. (CFM)	REMARKS
RTU-1	2115	.8	15	9.89	81.25/67.8	70	50	2	52.75	150	121	2	480	3	17.5	11.5	530	
RTU-2	2080	.8	15	9.89	81.25/67.8	70	50	2	52.75	150	121	2	480	3	17.5	11.5	500	
RTU-3	1810	.8	15	7.71	81.25/67.8	60	45	2	52.75	130	104	2	480	3	14.3	13.0	380	
DELETED																		
DELETED																		
DELETED																		

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES SHEET METAL WORK ONLY TOTAL STATIC PRESSURE SHALL INCLUDE EXTERNAL SP PLUS ALL UNIT COMPONENTS INCLUDING 100% ECONOMIZER WET COIL AND MID-LIFE FILTERS.
2. COOLING BASED ON 110°F AMBIENT TEMPERATURE.
3. EFFICIENCY AT ARI 210/240 OR ARI 340/360 TEST CONDITIONS APPROPRIATE FOR THEIR RESPECTIVE SIZE.
4. GAS INPUT REQUIREMENT OF SPECIFIED UNIT COORDINATED WITH PLUMBING DRAWINGS. RE: PLUMBING DRAWINGS. ACTUAL HEAT EXCHANGER SHALL MEET OR EXCEED THE MINIMUM TOTAL HEATING SCHEDULED
5. UNIT SHALL BE EQUIPPED WITH AN ECONOMIZER AND BAROMETRIC RELIEF

FAN SCHEDULE (1)

UNIT IDENTIFICATION: UNIT DESIGNATION	AIRFLOW (CFM)	ESTM. EXT STATIC PRESSURE (" W.G.)	ELECTRICAL REQUIREMENTS VOLTAGE (VOLTS)	PHASE (#Ø)	ESTM. MOTOR HP (WATTS)	UNIT REQUIREMENTS MAXIMUM SONES	REMARKS
DELETED							
DELETED							
F-3	2000	1.3	120	1	1	17.7	3
F-4	900	1.25	480	3	1	NA	8
F-5	2250	1.3	480	3	1	18.3	3
F-6	2300	1.5	480	3	11/2	NA	7
F-7	1100	1.2	120	1	1/2	12.6	3
F-8	2400	1.2	480	3	1	16.4	3
F-9	1000	1.2	120	1	1/3	12.4	3
F-10	600	1.5	120	1	1/2	12	10 12, 5
F-11	4000	1.75	208	3	3	25	11, 13, 5
F-12	250	.6	120	1	1/6	9.2	3
F-13	590	1.0	120	1	1/4	10	3
DELETED							
F-14	1200	.5	120	1	1/3	6.4	6
F-15	600	.5	120	1	1/4	6.8	6
DELETED							
DELETED							
DELETED							
F-19	250	.3	120	1	1/4	7	6, 16

NOTES:

1. ACTUAL EXHAUST FAN AIRFLOW SHALL BE BALANCED TO THE SUM OF ALL CONNECTED EXHAUST REGISTERS.
2. DIRECT DRIVEN, CENTRIFUGAL DOWNBLAST ROOF FAN.
3. BELT DRIVEN CENTRIFUGAL DOWNBLAST ROOF FAN.
4. DIRECT DRIVEN, CENTRIFUGAL UPBLAST ROOF FAN.
5. BELT DRIVEN, CENTRIFUGAL UPBLAST ROOF FAN.
6. BELT DRIVEN. CENTRIFUGAL, BACKWARD INCLINED SQUARE INLINE FAN.
7. HIGH PLUME DILUTION LABORATORY EXHAUST SYSTEM.
8. BELT DRIVEN, FIBERGLASS REINFORCED PLASTIC, CENTRIFUGAL UTILITY FAN.
9. INTERLOCK FAN WITH LIGHTS IN ROOM. RE: ELECTRICAL.
10. INTERLOCK WITH DISHWASHER
11. INTERLOCK WITH KITCHEN HOOD CONTROL PANEL. RE: ELECTRICAL.
12. DISHWASHER APPLICATION.
13. KITCHEN HOOD APPLICATION.
14. SMOKE EVACUATION FAN. INTERLOCK WITH FIRE ALARM SYSTEM.
15. COMBUSTION AIR FAN SHALL BE EXHAUSTO MODEL BESF-160 OR APPROVED EQUIVALENT
16. FAN SHALL BE EQUIPPED WITH AN EXPLOSION-PROOF SPARK RESISTANT MOTOR

AIR VALVE SCHEDULE (4)

UNIT DESIG.	SERVICE	AIRFLOW MAX (CFM)	AIRFLOW MIN (CFM)	INLET SIZE ("Ø)	NOTES
DELETED					
DELETED					
SAV-3	SUPPLY	100	100	8	1
SAV-4	SUPPLY	300	300	10	1
DELETED					
SAV-6	SUPPLY	125	125	8	1
DELETED					
DELETED					
EAV-3	EXHAUST	300	300	10	2
EAV-4	EXHAUST	500	500	10	2
EAV-5	EXHAUST	730	730	10	2
EAV-6	EXHAUST	325	325	10	2
EAV-7	EXHAUST	500	500	10	2
DELETED					
EAV-9	EXHAUST	400	400	10	2

NOTES

1. NEUTRAL PRESSURE AIRFLOW SETTING
2. NEGATIVE PRESSURE AIRFLOW SETTING
3. ALL AIR VALVES SHALL BE LOW PRESSURE OPTION WITH NO MORE THAN .3" PRESSURE DROP

HOOD SCHEDULE

UNIT DESIG.	SERVICE	AIRFLOW (CFM)	ESTM. EXT STATIC PRESSURE (In. W.G.)	THROAT SIZE ("W x "L)	THROAT VELOCITY (FPM)	NOTES
RH-1	RELIEF	1200	.1	16"x16	675	

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LICENSED PROFESSIONAL ENGINEER CHRISTOPHER R BOULDIN 22276 OKLAHOMA 7/13/07

RETURN GRILLE SCHEDULE

UNIT DESIGNATION	NECK SIZE ("W x "H)	MODULE SIZE ("W x "L)	MAX. FLOW RATE (CFM)	MAX. SP DROP (In. W.G.)	MAX. NC LEVEL
RA1	22x22	24x24	1340	0.06	20
RA2	10x22	12x24	610	0.06	41
RA3	10x10	12x12	275	0.06	11
RAA1	22x22	24x24	1340	0.06	20
RAA2	10x22	12x24	610	0.06	41
RAA3	10x10	12x12	275	0.06	11

NOTES:

1. NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, re 10E-12 WATTS.

PERF. CEILING DIFFUSER SCHED.

UNIT DESIGNATION	NECK SIZE (In. ")	MODULE FACE SIZE ("W x "L)	MAX. FLOW RATE (CFM)	MAX. SP DROP (IN. W.G.)	MAX. NC LEVEL
SC6S	6	12x12	95	0.018	40
SC6	6	24x24	95	0.028	40
SC8	8	24x24	200	0.049	22
SC10	10	24x24	360	0.078	32
SC12	12	24x24	470	0.060	30
SC14	14	24x24	585	0.060	30
SC16	16	24x24	680	0.080	30

NOTES:

1. NC VALUES ARE BASED ON A ROOM ABSORBTION OF 10dB, RE 10E-12 WATTS.

EXHAUST/RETURN REGISTER

UNIT DESIGNATION	NOMINAL DUCT SIZE	CORE AREA (sq. ft.)	MAX. FLOW RATE (CFM)	MAX. SP DROP (In. W.G.)	MAX. NC LEVEL
EA1	6"x6	0.19	80	0.10	20
EA2	8"x8"	0.37	160	0.10	24
EA3	10"x10"	0.59	255	0.10	26
EA4	12"x12"	0.88	380	0.10	27
EA5	18"x12"	1.35	580	0.10	29
EA6	22"x12"	1.67	715	0.10	30
EA7	22"x22"	3.14	1300	0.15	35
EB1	6"x6"	0.19	80	0.10	20
EB2	8"x8	0.37	160	0.10	24
EB3	10 x10	0.59	255	0.10	26
EB4	12"x12"	0.88	380	0.10	27
EB5	18 x12"	1.35	580	0.10	29
EB6	22"x12"	1.67	715	0.10	30

NOTES:

1. NC VALUES ARE BASED ON A ROOM ABSORBTION OF 10dB, re 10E-12 WATTS.
2. NC VALUES INCLUDE BALANCING DAMPER

SQUARE CEILING DIFFUSER SCHEDULE

UNIT DESIGNATION	NECK SIZE ("Ø)	MODULE SIZE "W x "L	MAX. FLOW RATE (CFM)	MAX. T.P. DROP (IN. W.G.)	MAX. NC LEVEL
SA6S	6	12x12	95	0.041	40
SA8S	8	12x12	200	0.104	21
SA6	6	24x24	95	0.010	40
SA8	8	24x24	200	0.059	16
SA10	10	24x24	360	0.125	25
SA12	12	24x24	590	0.150	29
SA14	14	24x24	850	0.142	30
SA16	16	24x24	975	0.109	29
SAA6S	6	12x12	95	0.041	40
SAA8S	8	12x12	200	0.104	21
SAA6	6	24x24	95	0.010	40
SAA8	8	24x24	200	0.059	16
SAA10	10	24x24	360	0.125	25
SAA12	12	24x24	590	0.150	29
SAA14	14	24x24	850	0.142	30
SAA16	16	24x24	975	0.109	29

NOTES:

1. NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, re 10E-12 WATTS.

STEEL SECURITY GRILLES (SD, RD)

UNIT DESIGNATION	AIRFLOW (SUPPLY OR RETURN)	NECK SIZE ("W x "L)	MAX. FLOW RATE (CFM)	MAX. T.P. DROP (IN. W.G.)	MAX. NC LEVEL
SD1	SUPPLY	8 x 8	75	0.150	40
SD2	SUPPLY	10 x 10	125	0.150	40
SD3	SUPPLY	12 x 12	175	0.150	40
SD4	SUPPLY	18 x 18	400	0.150	40
SD5	SUPPLY	24 x 24	800	0.150	40
RD1	RETURN	8 x 8	75	0.150	40
RD2	RETURN	10 x 10	125	0.150	40
RD3	RETURN	12 x 12	175	0.150	40
RD4	RETURN	18 x 18	400	0.150	40
RD5	RETURN	24 x 24	800	0.150	40

NOTES

1. NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, re 10E-12 WATTS.
2. GRILLES SHALL BE SECURITY AND/OR SUICIDE DETERRENT TYPE, TITUS MODEL SGSD OR APPROVED EQUIVALENT

ALUMINUM SECURITY GRILLES (SDA, EDA)

UNIT DESIGNATION	AIRFLOW (SUPPLY OR EXHAUST)	NECK SIZE ("W x "L)	MAX. FLOW RATE (CFM)	MAX. T.P. DROP (IN. W.G.)	MAX. NC LEVEL
SDA1	SUPPLY	8 x 8	75	0.150	40
SDA2	SUPPLY	12 x 12	200	0.150	40
SDA3	SUPPLY	16 x 16	400	0.150	40
SDA4	SUPPLY	20 x 20	625	0.150	40
EDA1	EXHAUST	8 x 8	75	0.150	40
EDA2	EXHAUST	12 x 12	200	0.150	40
EDA3	EXHAUST	16 x 16	400	0.150	40
EDA4	EXHAUST	20 x 20	625	0.150	40

NOTES:

1. NC VALUES ARE BASED ON A ROOM ABSORPTION OF 10dB, re 10E-12 WATTS.
2. GRILLES SHALL BE SECURITY AND/OR SUICIDE DETERRENT TYPE, TITUS MODEL SGPRA OR APPROVED EQUIVALENT

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033 00
Drawn By	ALP
Checked By	CRB

Revisions

Number	Date	Description
1	7/13/2007	GMP SET

M4.09

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MECHANICAL SCHEDULES

HYDRONIC HOT WATER BOILER SCHEDULE

UNIT REQUIREMENTS		GAS HEAT						ELECTRICAL REQUIREMENTS		
UNIT DESIG.	WEIGHT (LBS.) (1)	DESIGN MAXIMUM INPUT (CFH) (2)	MINIMUM HEATING OUTPUT (MBH)	WATER FLOW (GPM)	EWT (°F)	LWT (°F)	PIPE CONNECTION SIZES (")	VOLTAGE (VOLTS)	PHASE (Ø)	M.C.A. (AMPS)
B-1	3500	2000	1690	225	135	160	4	120	1	13
B-2	3500	2000	1690	225	135	160	4	120	1	13

NOTES:

1. ESTIMATED WEIGHT OF SPECIFIED EQUIPMENT WHEN FILLED WITH WATER AN ADDITIONAL SAFETY FACTOR COORDINATE ACTUAL REQUIREMENTS OF EQUIPMENT FURNISHED WITH STRUCTURAL ENGINEER
2. GAS INPUT REQUIREMENT OF UNIT SPECIFIED ACTUAL INPUT MAY BE HIGHER OR LOWER MINIMUM CAPACITY SCHEDULED SHALL BE MET REGARDLESS OF ACTUAL GAS INPUT REQUIRED

HYDRONIC HEAT COIL SCHEDULE

UNIT DESIGN.	HEATING AIRFLOW (CFM)	MAX. FINNED LENGTH (IN)	MAX. COIL HEIGHT (IN)	MIN. FACE AREA (SQ. FT.)	MAX. ROWS/ FPF	MAX. APD ("S.P.)	HEATING E.A.T (°F DB)	TOTAL HEATING CAPACITY (MBH) (1)	WATER FLOW (GPM)	MAX. WPD (FT.)	HEATING COIL BRANCH TAKE-OFF SIZES (IN)	NOTES
1 DELETED												
1 DELETED												
HWC-3	100	6	6	0.5	2 / 150	0.11	54	4	0.5	2.0	3/4	
HWC-4	300	10	12	0.83	2 / 110	0.11	54	8.85	0.5	2.0	3/4	
1 DELETED												
HWC-6	125	6	6	0.5	2 / 150	0.11	54	4.15	0.5	2.0	3/4	

NOTES:

1. CAPACITY BASED ON 160°F EWT AND 25°F WTD COORDINATE FLOW RATES IN SELECTING UNITS WITH FLOW RATE CONTROL CARTRIDGES AVAILABLE FROM AUTOMATIC FLOW CONTROL VALVE MANUFACTURER BEING UTILIZED ON THIS PROJECT

CONDENSATE RECEIVER PUMP SCHEDULE

	UNIT REQUIREMENTS			ELECTRICAL REQUIREMENTS			
UNIT DESIG.	RECEIVER VOLUME (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE PRESSURE (PSI)	ELECTRICAL VOLTAGE (V)	ELECTRICAL PHASE (ØØC)	MOTOR H.P.	NOTES
CP-1	20	5	20	120	1	(2) AT 1/2	-

NOTES:

1. DUPLEX TYPE HOT CONDENSATE RECEIVER PUMP
2. PUMP SHALL BE PROVIDED WITH ELEVATED RECEIVER TANK, OPTIONAL CONTROL PANEL, AND MECHANICAL ALTERNATOR
3. PUMP SHALL BE DOMESTIC PUMP ITT MODEL 23CBE9-20 OR APPROVED EQUIVALENT

PUMP SCHEDULE

	UNIT REQUIREMENTS			ELECTRICAL REQUIREMENTS			
UNIT DESIG.	FLOWRATE (GPM)	ESTM. TOTAL HEAD (FT WATER)	ESTM RPM	ELECTRICAL VOLTAGE (V)	ELECTRICAL PHASE (ØØC)	MOTOR H.P.	NOTES
CWP-1	836	100	1750	460	3	40	1
CWP-2	836	100	1750	460	3	40	1
HWP-1	280	100	1750	460	3	10	1, 2
HWP-2	280	100	1750	460	3	10	1, 2

NOTES:

1. BASE MOUNTED END SUCTION CENTRIFUGAL PUMP
2. PUMP SHALL BE PROVIDED WITH VARIABLE FREQUENCY DRIVE (VFD).

STEAM BOILER SCHEDULE

UNIT REQUIREMENTS		GAS HEAT		STEAM REQUIREMENTS			ELECTRICAL REQUIREMENTS			
UNIT DESIG.	WEIGHT (LBS.) (2)	DESIGN MAXIMUM INPUT (CFH) (3)	MINIMUM HEATING OUTPUT (MBH)	ESTIMATED HORSE POWER (H.P)	STEAM GENERATION FLOW (LBS/HR)	STEAM GENERATION PRESSURE (LBS)	MOTOR VOLTAGE (VOLTS)	MOTOR PHASE (Ø)	CONTROLS VOLTAGE (VOLTS)	CONTROLS PHASE (Ø)
BB-1	9100	3600	2000	60	2000	15	480	3	115	1
BB-1-ALT	8000	1800	1335	40	1335	15	480	3	115	1

NOTES

1. NET I-B-R RATING FOR 100% WATER
2. ESTIMATED WEIGHT OF SPECIFIED EQUIPMENT WHEN FILLED WITH WATER AN ADDITIONAL SAFETY FACTOR COORDINATE ACTUAL REQUIREMENTS OF EQUIPMENT FURNISHED WITH STRUCTURAL ENGINEER
3. GAS INPUT REQUIREMENT OF UNIT SPECIFIED ACTUAL INPUT MAY BE HIGHER OR LOWER. MINIMUM CAPACITY SCHEDULED SHALL BE MET REGARDLESS OF ACTUAL GAS INPUT REQUIRED
4. OMIT BB-1 UNDER ALTERNATE BID #1 AND REPLACE WITH BB-1-ALT

HYDRONIC UNIT HEATER (UH-)SCHEDULE

	SUPPLY FAN		HYDRONIC HEATER (1)					ELECTRICAL REQUIREMENTS		
UNIT DESIG.	MAX. AIRFLOW (CFM)	ESTM. POWER (H.P.)	MAX. # ROWS	E.A.T (°F DB)	TOTAL HEATING CAPACITY (MBH)	WATER FLOW (GPM)	MAX. WPD (FT.)	HEATING COIL BRANCH TAKE-OFF SIZES (IN)	VOLTAGE (VOLTS)	PHASE (ØØ)	REMARKS
UH-1	500	1/5	2	0	30	2.5	1.5	3/4	120	1	
UH-2	500	1/5	2	0	30	2.5	1.5	3/4	120	1	

NOTES:

1. CAPACITY BASED ON 160°F EWT, 25°F WTD COORDINATE FLOW RATES IN SELECTING UNITS WITH FLOW RATE CONTROL CARTRIDGES AVAILABLE FROM AUTOMATIC FLOW CONTROL VALVE MANUFACTURER BEING UTILIZED ON THIS PROJECT

HYDRONIC CABINET HEATER SCHEDULE (1)

		SUPPLY FAN (1)					HYDRONIC HEATER (2)					UNIT REQUIREMENTS		
UNIT DESIGN.	CABINET TYPE	ELECTRICAL (VOLTS/PH-1)	AIRFLOW (CFM)	ESTM. E.S.P. (" W.C.)	ESTM. H.P.	SPEED	HEATING E.A.T (DB)	MIN. TOTAL HEATING (MBH-1)	FLOWRATE (GPM)	MAX. WATER PRESSURE DROP (FT WATER)	HEATING COIL BRANCH TAKE-OFF SIZES (")	ELECTRICAL (VOLTS/PH-1)	M.C.A. (AMPS)	NOTES
HCH-1	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	
HCH-2	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	
HCH-3	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	4
HCH-3-ALT	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	3
HCH-4	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	
HCH-5	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	
HCH-6	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	
HCH-7	VERTICAL RECESSED	120 / 1	349	FREE DISCHARGE	1/15	HIGH	60	22.0	1.75	8	3/4	120 / 1	1.12	

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES ALL SHEET METAL WORK. TOTAL STATIC PRESSURE SHALL INCLUDE EXTERNAL S.P. PLUS ALL UNIT COMPONENTS INCLUDING COIL AND CLEAN FILTERS.
2. CAPACITY BASED ON 160°F EWT AND 25°F WATER TEMPERATURE DROP COORDINATE FLOW RATES IN SELECTING UNITS WITH FLOW RATE CONTROL CARTRIDGES AVAILABLE FROM AUTOMATIC FLOW CONTROL VALVE MANUFACTURER BEING UTILIZED ON THIS PROJECT
3. OMIT CABINET HEATER UNDER BASE BID
4. OMIT CABINET HEATER UNDER OPERATING ROOM ALTERNATE.

STEAM HUMIDIFIER SCHEDULE

UNIT IDENTIFICATION		UNIT REQUIREMENTS							
UNIT DESIG.	AREA OR UNIT SERVED	AIR VOLUME (CFM)	STEAM LOAD (LBS/HR)	STEAM PRESSURE (PSI)	TUBE SPACING (IN)	MAX. ABSORBTION DIST (IN)	ENTERING AIR (DB/WB-1)	LEAVING AIR (DB/WB-1)	REMARKS
H-1	AHU-A	10000	275	10	6	31	50 / 0	50 / 70	-
H-2	AHU-B	10000	275	10	6	31	50 / 0	50 / 70	-
H-3	AHU-C	10000	275	10	6	31	50 / 0	50 / 70	-
H-4	AHU-D-BASE	11000	302	10	6	31	50 / 0	50 / 70	-
H-4-A	AHU-D-ALT	9500	261	10	6	31	50 / 0	50 / 70	-
H-5	AHU-E	15500	426	10	6	31	50 / 0	50 / 70	-
H-6	AHU-F	14000	385	10	6	31	50 / 0	50 / 70	-

AIR COOLED CHILLER SCHEDULE (1)

UNIT INFORMATION				EVAPORATOR				ELECTRICAL REQUIREMENTS			
UNIT DESIG.	WEIGHT (LBS) (3)	NOMINAL CAPACITY (TONS)	MINIMUM EFFICIENCY (EER)	WATER FLOW (GPM)	E.W.T (°F)	L.W.T (°F)	MAX WPD (FT.)	VOLTAGE (VOLTS)	PHASE (ØØ)	SOUND PRESSURE (Dba)	REMARKS
CH-1	22000	225	9.0	836	54.0	47.4	20.0	460	3	75	4
CH-2	22000	225	8.5	835	47.4	41.5	20.0	460	3	75	5
CH-1-ALT	22000	275	8.0	430	54	41.5	20.0	460	3	76	4

NOTES:

1. CAPACITY BASED ON 30% PROPYLENE GLYCOL, 0.0001 FOULING FACTOR, AND 105°F EAT
2. REFER TO DETAIL SHEET FOR COIL CONNECTION DETAIL.
3. ESTIMATED WEIGHT OF SPECIFIED EQUIPMENT WHEN FILLED WITH WATER AND ADDITIONAL SAFETY FACTOR COORDINATE ACTUAL REQUIREMENTS OF EQUIPMENT FURNISHED WITH STRUCTURAL ENGINEER
4. UNDER BASE BID, INCLUDE CH-1 ONLY AND PROVIDE ALL VALVING AND CAPT FOR FUTURE CH-2 CONNECTION. INCLUDE CH-1 UNDER ALTERNATE BID 10 UNDER ALTERNATE BID 10A, OMIT CH-1 AND REPLACE WITH CH-1 ALT
5. OMIT CH-2 UNDER BASE BID AND ALTERNATE BID 10A. UNDER ALTERNATE 10 INCLUDE CH-2.

GLYCOL FILL PUMP AND TANK SCHEDULE

	UNIT REQUIREMENTS					
UNIT DESIG.	TYPE	SERVICE	FLOWRATE (GPM)	HEAD (PSI)	TANK SIZE	NOTES
GFP-1	UNIT MOUNTED GEAR PUMP	AUTOMATIC GLYCOL FILLING FOR GLHE SYSTEM	2.0	20	50 GALLONS	1, 2, 3
			1.0	100		

NOTES:

1. PROVIDE ELEVATED POLYETHYLENE GLYCOL TANK WITH 1/3 HINGED COVER STEEL BASE-MOUNT STAND FULLY PIPED TO GEAR PUMP WITH POLYPROPYLENE PIPING, CAST IRON Y-STRAINER WITH DRAIN VALVE, PVC BALL VALVE, AND FLEXIBLE TUBING. DISCHARGE PIPING SHALL BE PVC WITH SPRING LOADED CHECK VALVE, 1/4 NPT BACK-TAP PRESSURE GAUGE, 1/4" NPT PRESSURE SWITCH, AND PRESSURE RELIEF VALVE WITH DRAIN INTO TANK. PROVIDE TANK WITH LOW LEVEL SWITCH AND 10 AMP RELAY
2. PROVIDE FULLY WIRED NEMA 4X CONTROL PANEL WITH 2-POSITION MAIN POWER SWITCH WITH LIGHT 3-POSITION HAND-OFF-AUTO SWITCH WITH LIGHT FOR GEAR PUMP, LOW LEVEL INDICATOR LIGHT, 15 AMP FUSE, AND 8 FOOT 120 VOLT POWER CORD.
3. PRESSURE SWITCH SHALL BE SET FOR 10 PSI CUT-IN PRESSURE AND 25 PSI CUT-OUT PRESSURE. PROVIDE REMOTE CONTACT FOR DDC CONTROLS CONNECTION TO MOTOR ALARM STATUS.

TERMINAL BOX SCHEDULE (4)

	AIRSIDE DATA						HOT WATER HEATING COIL (3)					
UNIT DESIG.	MAX. AIRFLOW (CFM)	MIN. AIRFLOW (CFM)	HEATING AIRFLOW (CFM)	MAX A.P.D (" W.C.) (1)	AIR VALVE INLET SIZE (")	MAX. NC LEVEL (2)	HEATING E.A.T (°F DB)	MIN. TOTAL HEATING (MBH)	FLUID FLOWRATE (GPM)	FLUID PRESSURE DROP (FT WATER)	MAXIMUM NUMBER OF ROWS	HEATING COIL BRANCH TAKE-OFF SIZES (")	REMARKS
1 DELETED													
VAV-B1.01	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.02	595	595	595	0.5	9	25	54	26.0	2.00	5.0	2	3/4	
VAV-B1.03	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.04	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.05	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.06	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.07	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.08	630	630	630	0.5	9	25	54	27.4	2.25	5.0	2	3/4	
VAV-B1.09	650	650	650	0.5	9	25	54	28.4	2.50	5.0	2	3/4	
VAV-B1.10	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.11	1400	1400	1400	0.5	12	25	54	59.5	5.00	5.0	2	1	
VAV-B1.12	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.13	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.14	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.15	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.16	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.17	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.18	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.19	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.20	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-B1.21	155	155	155	0.5	6	25	NA						8
VAV-C1.01	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.02	370	370	370	0.5	8	25	54	16.7	1.50	5.0	2	3/4	
VAV-C1.03	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.04	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.05	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.06	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.07	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.08	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.09	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.10	100	100	100	0.5	6	25	54	4.2	0.50	5.0	1	3/4	
VAV-C1.11	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.12	610	610	610	0.5	10	25	54	26.2	2.00	5.0	2	3/4	
VAV-C1.13	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.14	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.15	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.16	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.17	610	610	610	0.5	10	25	54	26.2	2.00	5.0	2	3/4	
VAV-C1.18	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.19	350	350	350	0.5	7	25	54	15.6	1.25	5.0	2	3/4	
VAV-C1.20	260	260	260	0.5	7	25	NA						8
VAV-D1.01	300	300	300	0.5	7	25	54	14.0	1.00	5.0	2	3/4	
VAV-D1.02	900	900	900	0.5	10	25	54	37.6	3.00	5.0	2 (5)	3/4	
VAV-D1.03	1200	1200	1200	0.5	12	25	NA						8
VAV-D1.04	290	290	290	0.5	7	25	54	13.5	1.00	5.0	2	3/4	
VAV-D1.05	75	75	75	0.5	6	25	54	4.2	0.50	5.0	1 (5)	3/4	
VAV-D1.06	170	170	170	0.5	6	25	54	6.7	0.75	5.0	1 (5)	3/4	
VAV-D1.07	290	290	290	0.5	7	25	NA						8
VAV-D1.08	640	640	640	0.5	9	25	54	26.9	2.00	5.0	2	3/4	
VAV-D1.09	1345	1345	1345	0.5	14	25	54	57.8	4.50	5.0	2	1	
VAV-D1.10	200	200	200	0.5	6	25	54	9.4	0.75	5.0	2	3/4	
VAV-D1.11	300	300	300	0.5	7	25	54	14.0	1.00	5.0	2	3/4	
VAV-D1.12	470	470	470	0.5	8	25	54	18.6	1.50	5.0	2	3/4	
VAV-D1.13	770	770	770	0.5	9	25	54	34.4	2.50	5.0	2	3/4	
VAV-D1.14	250	250	250	0.5	7	25	54	11.6	0.75	5.0	2	3/4	
VAV-D1.15	1650	1650	1650	0.5	15	25	54	72.7	6.00	7.0	2	H/4	
VAV-D1.16	215	215	215	0.5	6	-	54	9.7	0.75	5.0	2	3/4	6
VAV-D1.17	520	520	520	0.5	8	25	54	20.9	2.00	5.0	2	3/4	6
VAV-D1.18	570	570	570	0.5	8	25	54	21.7	2.00	5.0	2	3/4	6
VAV-E1.01	135	135	135	0.5	6	25	54	5.5	0.50	5.0	1 (5)	3/4	
VAV-E1.02	150	150	150	0.5	6	25	54	6.3	0.75	5.0	1 (5)	3/4	
VAV-E1.03	200	200	200	0.5	6	25	54	9.4	0.75	5.0	2	3/4	
VAV-E1.04	650	650	650	0.5	10	25	54	27.8	2.25	5.0	2	3/4	
VAV-E1.05	300	300	300	0.5	7	25	54	12.2	1.00	5.0	2	3/4	
VAV-E1.06	150	150	150	0.5	6	25	54	5.8	0.50	5.0	1 (5)	3/4	
VAV-E1.07	290	290	290	0.5	6	25	54	12.0	1.00	5.0	2	3/4	
VAV-E1.08	360	360	360	0.5	7	25	54	15.8	1.25	5.0	2	3/4	
VAV-E1.09	520	520	520	0.5	9	25	54	25.2	2.00	5.0	2	3/4	
VAV-E1.10	200	200	200	0.5	6	25	54	9.4	0.75	5.0	2	3/4	
VAV-E1.11	200	200	200	0.5	6	25	54	9.4	0.75	5.0	2	3/4	
VAV-E1.12	530	530	530	0.5	9	25	54	24.6	2.00	5.0	2	3/4	
VAV-E1.13	135	135	135	0.5	6	25	54	5.5	0.50	5.0	1 (5)	3/4	
VAV-E1.14	590	590	590	0.5	9	25	54	25.4	2.00	5.0	2	3/4	
VAV-E1.15	200	200	200	0.5	6	25	54	9.4	0.75	5.0	2	3/4	
VAV-E1.16	335	335	335	0.5	7	25	54	15.3	1.25	5.0	2	3/4	
VAV-E1.17	905	905	905	0.5	10	25	54	37.7	3.00	5.0	2	3/4	
VAV-E1.18	350	350	350	0.5	7	25	54	8.0	0.50	5.0	1	3/4	
VAV-E1.19	155	155	155	0.5	6	25	54	6.6	0.75	5.0	1 (5)	3/4	
VAV-E1.20	1800	1800	1800	0.5	16	25	54	75.6	6.00	7.0	2	H/4	
VAV-E1.21	410	410	410	0.5	7	25	54	17.6	1.50	5.0	2	3/4	
VAV-E1.22	135	135	135	0.5	6	25	54	5.5	0.50	5.0	1 (5)	3/4	
VAV-E1.23	1250	1250	1250	0.5	14	25	54	54.5	4.00	5.0	2	1	
VAV-E1.24	270	270	270	0.5	6	25	54	12.5	1.00	5.0	2	3/4	
VAV-E1.25	595	595	595	0.5	9	25	54	24.2	2.00	5.0	2	3/4	
VAV-E1.26	760	760	760	0.5	9	25	54	30.6	2.50	5.0	2	3/4	
VAV-E1.27	1420	1420	1420	0.5	14	25	54	60.6	5.00	5.0	2	1	
VAV-E1.28	1385	1385	1385	0.5	14	25	54	59.9	5.00	5.0	2	1	
1 DELETED													

NOTES:

1. MAXIMUM STATIC PRESSURE ACROSS THE UNIT AND COIL WHEN APPLICABLE.
2. RATED IN ACCORDANCE WITH ARI-885 AT MINIMUM INLET STATIC.
3. CAPACITY BASED ON 160°F EWT AND 25°F WTD COORDINATE FLOW RATES IN SELECTING UNITS WITH FLOW RATE CONTROL CARTRIDGES AVAILABLE FROM AUTOMATIC FLOW CONTROL VALVE MANUFACTURER BEING UTILIZED ON THIS PROJECT
4. BOX SHALL BE PROVIDED WITH LEFT OR RIGHT SIDE MOUNTED CONTROL BOX AND WATER CONNECTIONS AS REQUIRED TO MAINTAIN MANUFACTURER RECOMMENDED AND NFPA REQUIRED CLEARANCES AND AS INDICATED ON DRAWINGS.
5. UNIT SHALL BE PROVIDED WITH A HIGH CAPACITY HEATING COIL AS REQUIRED
6. OMIT TERMINAL BOX UNDER ALTERNATE BID
7. OMIT TERMINAL BOX UNDER BASE BID
8. TERMINAL BOX SHALL BE COOLING ONLY

Disclaimer of Responsibility

I hereby specify that the documents intended to be authenticated by my seal are limited to drawings and specifications containing my seal with signature and date, and I hereby disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
Drawn By	ALP
Checked By	CRB

Revisions

Number	Date	Description
1	7/13/2007	GFHP BET

M4.10

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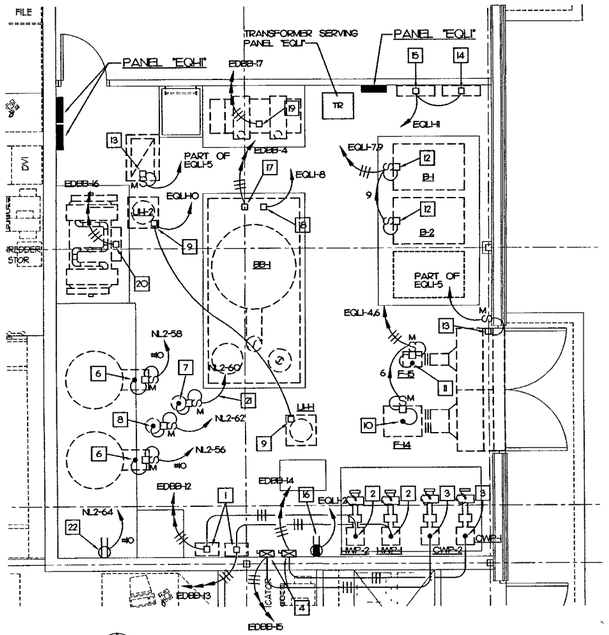
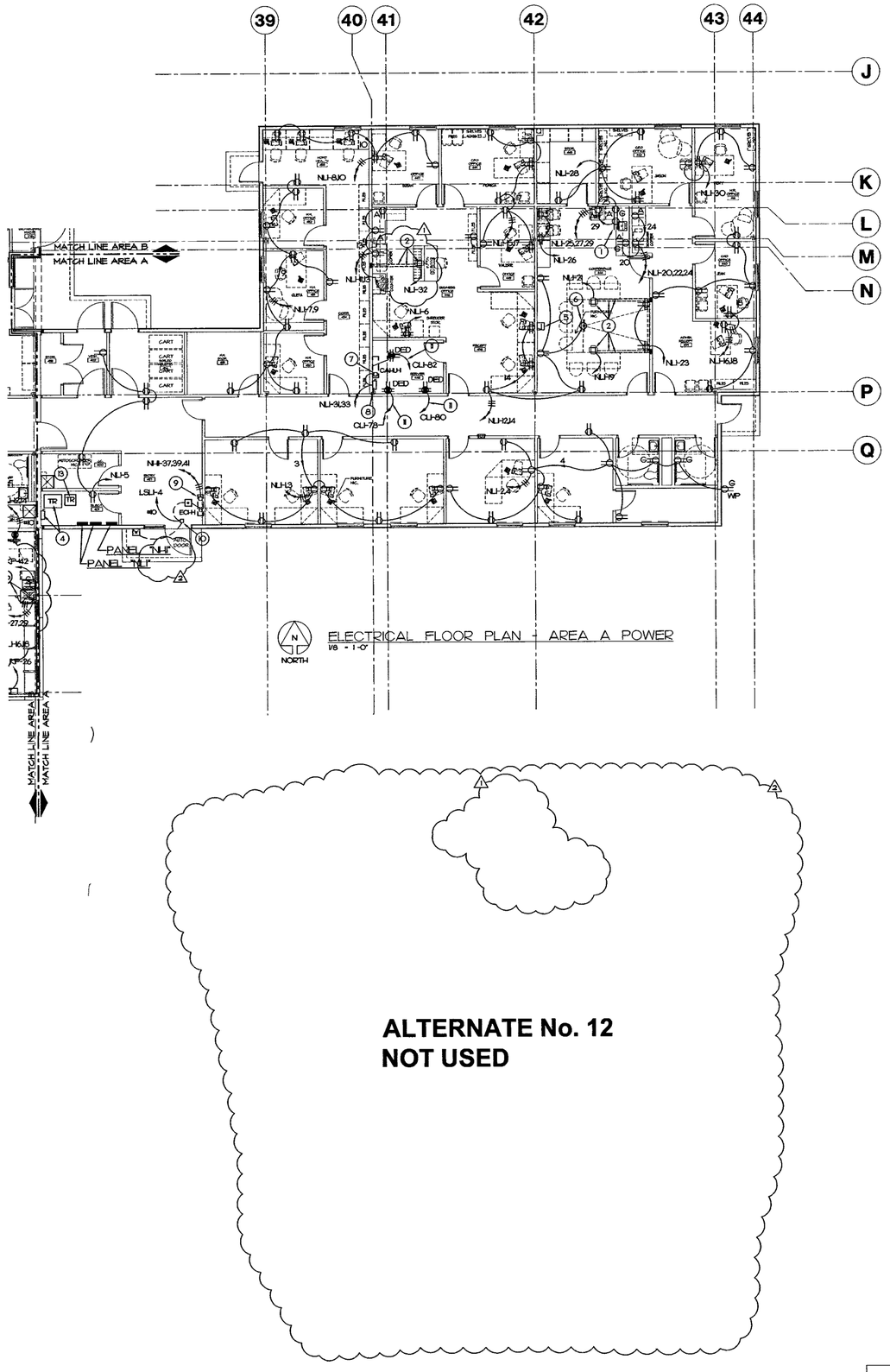
MECHANICAL SCHEDULES



MECHANICAL ROOM FLOOR PLAN
1/4 - 1'-0"
NORTH

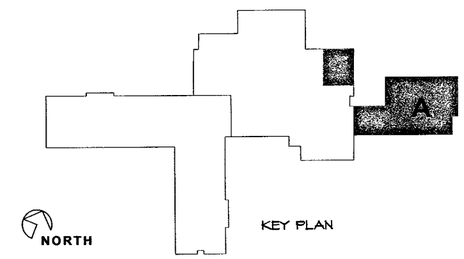
MECHANICAL ROOM PLAN NOTES:

1. VARIABLE FREQUENCY DRIVE FURNISHED BY MECHANICAL CONTRACTOR & INSTALLED BY ELECTRICAL CONTRACTOR ROUGH-IN & CONNECT AS REQUIRED
2. HEATING WATER PUMP, 10 HP 480/60/3. ROUGH-IN & CONNECT AS REQUIRED.
3. CHILLED WATER PUMP, 40 HP 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
4. COMBINATION STARTER/FUSED DISCONNECT FUSED AT 80 AMPS.
5. 3-#6 & 1-#6 GROUND IN 3/4" CONDUIT
6. HOT WATER HEATER POWER BURNER 1/5 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
7. HOT WATER CIRC. PUMP, 1 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
8. HOT WATER CIRC PUMP 1/4 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
9. HOT WATER UNIT HEATER, FR HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
10. VENTILATION FAN, 1/3 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED.
11. INTAKE FAN, 1/4 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
12. BOILER CONTROLS, 13 AMPS 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
13. MOTORIZED DAMPER MOUNTED IN DUCTWORK/LOUVER, FR HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
14. BOILER ROOM TEMPERATURE CONTROL PANEL, 120/60/1. ROUGH-IN & CONNECT AS REQUIRED.
15. BOILER CONTROL PANEL 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
16. RECEPTACLE FOR GLYCOL FILL PUMP, 120/60/1.
17. STEAM GENERATOR 8.0 M.C.A. 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
18. STEAM GENERATOR CONTROLS, 8.0 M.C.A. 120//60/1. ROUGH-IN & CONNECT AS REQUIRED.
19. DUPLEX MEDICAL AIR COMPRESSOR, 10 HP EACH 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
20. DUPLEX VACUUM PUMP, 5 HP EACH 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
21. 2-#8 & 1-#8 GROUND IN 3/4 CONDUIT
22. RECEPTACLE FOR WATER SOFTENER SYSTEM.



ELECTRICAL FLOOR PLAN - AREA A POWER
1/8 - 1'-0"
NORTH

ALTERNATE No. 12
NOT USED



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BARBARA L. S. HOPPAS 21161 REGISTERED PROFESSIONAL ENGINEER
7/13/07

GENERAL NOTE:

REFER TO SHEET E1.04 FOR LOCATIONS OF TELEPHONE & TELEPHONE/DATA OUTLETS. MOUNT RECEPTACLES & TELEPHONE, TELEPHONE/DATA OUTLETS ADJACENT TO EACH OTHER WHERE SHOWN IN SAME LOCATIONS. COORDINATE ALL LOCATIONS WITH ARCHITECTURAL DRAWINGS & ELEVATIONS TO AVOID CONFLICTS WITH CASEWORK, ETC.

NOTES

1. RECEPTACLE FOR MICROWAVE, REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATION.
2. FLUSH FLOOR COMBINATION POWER & TELEPHONE/DATA OUTLET ROUTE ONE (1) EACH 3/4" & 1-1/4" CONDUITS FROM OUTLET BELOW FINISHED FLOOR, UP CONCEALED IN WALL & TERMINATED ABOVE ACCESSIBLE CEILING WITH BUSHING FOR POWER & TELEPHONE/DATA CABLING AS REQUIRED EXACT LOCATION AS DIRECTED BY ARCHITECT
3. TRANSFORMER SERVING PANEL 'LI' SEE ELECTRICAL RISER DIAGRAM.
4. TRANSFORMER & SECONDARY DISCONNECT SWITCH SERVING KITCHEN PANEL 'KP' SEE ELECTRICAL RISER DIAGRAM.
5. FLUSH MOUNTED JUNCTION BOX WITH 3/4 EMPTY CONDUIT TERMINATED ABOVE ACCESSIBLE CEILING FOR OVERHEAD PROJECTOR CABLING. CENTER 18 A.F.F.
6. MOUNT RECEPTACLE ABOVE ACCESSIBLE CEILING FOR OVERHEAD PROJECTOR POWER. COORDINATE LOACTION WITH ARCHITECT
7. AIR HANDLING UNIT, LO M.C.A. 208/60/1. ROUGH-IN & CONNECT AS REQUIRED
8. 30 AMP 2 POLE FUSED DISCONNECT SWITCH FUSED AS REQUIRED BY EQUIPMENT MANUFACTURER
9. ELECTRIC CABINET UNIT HEATER, 5.0 KW 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
10. POWER OPERATED DOOR, ROUGH-IN & CONNECT AS REQUIRED CONNECT TO DOOR OPERATOR PUSH PADS AS REQUIRED BY DOOR EQUIPMENT MANUFACTURER
11. 2-#6 & 1-#6 GROUND IN 3/4" CONDUIT
12. OMITTED
13. TRANSFORMER SERVING PANEL 'NLI'

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033 00
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Checked By	BLSH

Revisions

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1	05-25-07	Addendum #1
2	07-13-07	GMP Set

E1.01

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Elec Floor Plan-Areas A & A1 Power

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

ALTERNATE No. 3
NOT USED

GENERAL NOTE
REFER TO SHEET E0.4 FOR LOCATIONS OF TELEPHONE & TELEPHONE/DATA OUTLETS MOUNT RECEPTACLES & TELEPHONE/DATA OUTLETS ADJACENT TO EACH OTHER WHERE SHOWN IN SAME LOCATIONS. COORDINATE ALL LOCATIONS WITH ARCHITECTURAL DRAWINGS & ELEVATIONS TO AVOID CONFLICTS WITH CASEWORK, ETC.

NOTES:
1. PANEL 'LSJ-4'
2. PANEL 'CU'
3. REFER TO ARCHITECTURAL DRAWINGS FOR TRENCH DUCT INSTALLATION REQUIREMENTS IN THIS ROOM.
4. PANEL 'NJ-2'
5. TRANSFORMERS SERVING PANELS 'NJ-2' & 'CU' MOUNT ONE TRANSFORMER ABOVE THE OTHER AS REQUIRED
6. FLUSH FLOOR COMBINATION POWER & TELEPHONE/DATA OUTLET ROUTE ONE Ø 1" EMPTY CONDUIT FROM OUTLET BELOW FINISHED FLOOR UP CONCEALED IN WALL & TERMINATED ABOVE ACCESSIBLE CEILING WITH BUSHING FOR POWER & TELEPHONE/DATA CABLING AS REQUIRED. EXACT LOCATION AS DIRECTED BY ARCHITECT
7. RECEPTACLE & WALL SWITCH FOR INFRARED SINK FAUCET CONTROL FURNISH & INSTALL ONE Ø 1" EMPTY CONDUIT COORDINATE LOCATION OF RECEPTACLE WITH PLUMBING CONTRACTOR. FURNISH & INSTALL ENGRAVED WATER SHUT-OFF SWITCH ENGRAVED PLATE ABOVE
8. CT SCAN EQUIPMENT MAIN DISCONNECT SEE ELECTRICAL RISER DIAGRAM COORDINATE LOCATION WITH CT SCAN EQUIPMENT MANUFACTURER.
9. RADIOLOGY EQUIPMENT MAIN DISCONNECT SEE ELECTRICAL RISER DIAGRAM COORDINATE LOCATION WITH RADIOLOGY EQUIPMENT MANUFACTURER.
10. RECEPTACLE FOR MICROWAVE. REFER TO ARCHITECTURAL DRAWINGS & ELEVATIONS FOR LOCATION.
11. OMITTED.
12. OMITTED
13. DISCONNECTING MEANS FOR STERILIZER POWER & CONTROLS. SEE ELECTRICAL RISER DIAGRAM.
14. 20 AMP 250 VOLT RECEPTACLE FOR TREADMILL COORDINATE WITH TREADMILL MANUFACTURER
15. PANEL 'LSJ'
16. TRANSFORMER SERVING PANEL 'LSJ'. WALL MOUNT ABOVE DOOR AS REQUIRED
17. 30 AMP 250 VOLT RECEPTACLE FOR DRYER COORDINATE WITH DRYER MANUFACTURER
18. 8'-8"X3/4" FIRE RETARDANT PLYWOOD FOR TELEPHONE SERVICE EQUIPMENT FURNISH & INSTALL ONE Ø #6AWG COPPER GROUNDING CONDUCTOR FROM GROUND & CONNECT TO MAIN ELECTRICAL SERVICE GROUND AS REQUIRED.
19. 4" EMPTY CONDUIT WITH PULL WIRE FOR TELEPHONE SERVICE. ROUTE FROM 0'-6" ABOVE FINISHED FLOOR UP CONCEALED IN WALL OF COMMUNICATIONS ROOM & TERMINATE IN LOCKABLE BOX AT PROPERTY LINE AS REQUIRED REFER TO MECHANICAL/ELECTRICAL SITE PLAN FOR CONTINUATION
20. POWER OPERATED DOOR. ROUGH-IN & CONNECT AS REQUIRED. CONNECT TO DOOR OPERATOR PER PLANS AS REQUIRED BY DOOR EQUIPMENT MANUFACTURER
21. REFER TO 1/4" SCALE MECHANICAL ROOM PLAN SHEET E0.01 FOR ADDITIONAL EQUIPMENT & DEVICES IN THE MECHANICAL ROOM.
22. ROUGH-IN & CONNECT TO X-RAY FILM VIEWER AS REQUIRED.
23. RECESSED TELEPHONE OUTLET FOR AIR EVACUATION OF PATIENTS
24. JUNCTION BOX FOR CONNECTION TO NURSES CALL SYSTEM. LOCATION IN NURSES STATION 89 ROUGH-IN & CONNECT AS REQUIRED.
25. 20AMP 1 POLE FLUSH MOUNTED CIRCUIT TO SERVE ULTRA SOUND EQUIPMENT RECEPTACLE CENTER 5'-0" AFF
26. 30 AMP 3 POLE NON-FUSED DISCONNECT SWITCH FOR CONNECTION TO WASHER/DISINFECTOR ROUGH-IN AND CONNECT AS REQUIRED
27. WASHER/DISINFECTOR AIR COMPRESSOR 3/4 HP 208/60/3. ROUGH-IN AND CONNECT AS REQUIRED
28. EMERGENCY GENERATOR DISCONNECTING MEANS INSTALLED UNDER BASE BID & ALTERNATE CONSTRUCTION SEE ELECTRICAL RISER DIAGRAMS.
29. EXHAUST FAN, 1/4 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED.
30. HOT WATER CABINET UNIT HEATER, FR HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED.
31. JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR CONNECTION OF VAV BOX CONTROLS. CONNECTION OF CONTROL TO BE PERFORMED BY CONTRACTOR. COORDINATE LOCATION OF JUNCTION BOX WITH TEMPERATURE CONTROL CONTRACTOR
32. NITROUS OXIDE MANIFOLD, 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
33. OMITTED.
34. 20 AMP 120 VOLT RECEPTACLE FOR DIGITAL PRINTER VERIFY RECEPTACLE REQUIREMENT WITH EQUIPMENT FURNISHED
35. TWO SECTION SURFACE MOUNTED RACEWAY WITH OUTLETS AT 4'-0" AFF & 6" WIDE SHELF AS REQUIRED REFER TO ARCHITECTURAL DRAWINGS.
36. JUNCTION BOX FOR CONNECTION TO DISHWASHER BOOSTER HEATER, 15.0 KW 208/60/3. ROUGH-IN & CONNECT AS REQUIRED.
37. JUNCTION BOX FOR CONNECTION TO DISHWASHER. 25.0 AMPS 208/60/3. ROUGH-IN & CONNECT AS REQUIRED

KEY PLAN

NORTH

ELECTRICAL FLOOR PLAN - AREA B POWER
1/8" = 1'-0"

NORTH

(38) JUNCTION BOX FOR CONNECTION TO DISPOSAL 3 HP 208/60/3. ROUGH-IN & CONNECT AS REQUIRED
(39) 3-#6 & 1-#10 GROUND IN 3/4" CONDUIT
(40) 4-#4 & 1-#8 GROUND IN 1" CONDUIT
(41) 20 AMP 250 VOLT RECEPTACLE FOR EXISTING DISHWASHER. COORDINATE FIELD VERIFY RECEPTACLE WITH EXISTING CORD SET ON CART AS REQUIRED.
(42) KITCHEN HOOD PREWIRED LIGHT FIXTURE CONNECTION. ROUGH-IN & CONNECT AS REQUIRED.
(43) EMERGENCY GAS SOLENOID SHUT-OFF VALVE WITH CONTROL FROM KITCHEN HOOD FIRE SUPPRESSION SYSTEM. ROUGH-IN & CONNECT AS REQUIRED
(44) KITCHEN HOOD FIRE SUPPRESSION SYSTEM PANEL ROUGH-IN & CONNECT AS REQUIRED. COORDINATE EXACT LOCATION WITH HOOD MANUFACTURER
(45) JUNCTION BOX FOR CONNECTION TO ICE MACHINE. 208/60/1. ROUGH-IN & CONNECT AS REQUIRED
(46) CONTACTOR 'K' 30 AMP 1 POLE MOUNTED IN NEMA 1 ENCLOSURE ABOVE ACCESSIBLE CEILING FOR CONTROL FROM KITCHEN HOOD FIRE SUPPRESSION SYSTEM PANEL. ROUGH-IN & CONNECT AS REQUIRED
(47) EMERGENCY GENERATOR DISCONNECTING MEANS INSTALLED UNDER ALTERNATE CONSTRUCTION. SEE ELECTRICAL RISER DIAGRAMS.
(48) DUPLEX WATER BOOSTER PUMP, 5 HP, 460/60/3 EACH. ROUGH-IN & CONNECT TO CONTROL PANEL AS SPECIFIED
(49) JUNCTION BOX FOR CONNECTION OF SOAP DISPENSER. COORDINATE EXACT LOCATION WITH EQUIPMENT AS REQUIRED. 4.5" ROUGH-IN & CONNECT AS REQUIRED
(50) JUNCTION BOX FOR CONNECTION TO DISPOSAL 1½ HP 208/60/3. ROUGH-IN & CONNECT AS REQUIRED
(51) RECEPTACLE FOR EXISTING FOOD CART TO BE RELOCATED RECEPTACLE TO MATCH PLUG ON CORD SET WITH FOOD CART
(52) NEMA L2-30 RECEPTACLE FOR NEW FOOD CART
(53) JUNCTION BOX FOR CONNECTION TO DISPOSAL 1 HP 208/60/3. ROUGH-IN & CONNECT AS REQUIRED.
(54) RECEPTACLE FOR HOT FOOD WELL 50 KW 208/60/3. RECEPTACLE SHALL MATCH PLUG ON CORD SET WITH FOOD WELL

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SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

Date June 29 2007
Job Number 4.06033.00
Drawn By BKT
Checked By BLSH

Revisions Number	Date	Description
1	06-28-07	Addendum #1
2	06-01-07	Addendum #2
3	07-13-07	60% Set

E1.02
Electrical Floor Plan-Area B Power

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BARBARA L. HOPKINS
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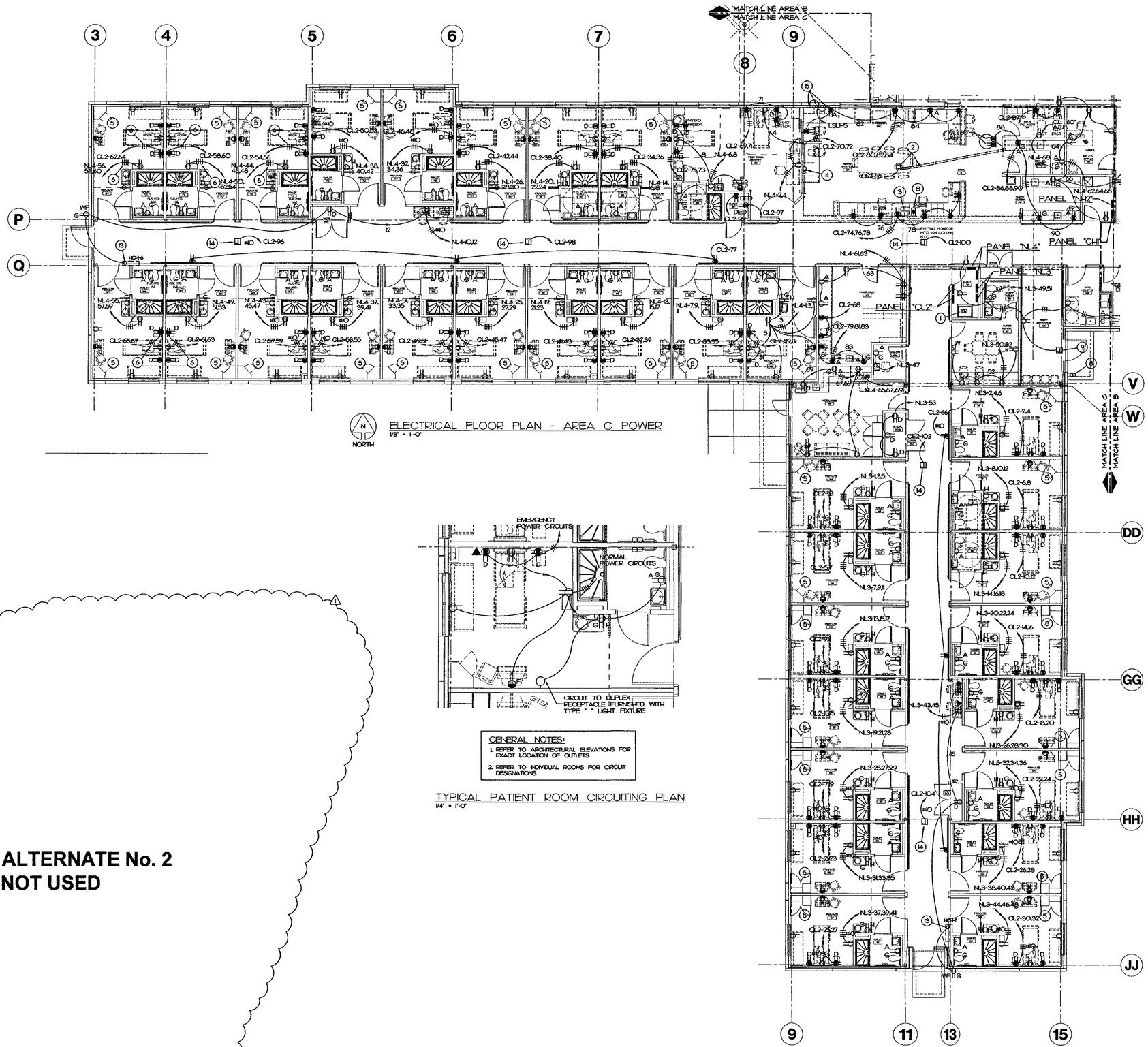
7/13/07

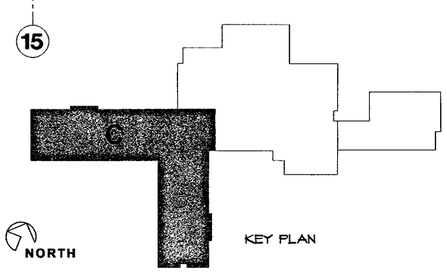


ELECTRICAL FLOOR PLAN - AREA C POWER
1/8" = 1'-0"

GENERAL NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF OUTLETS.
2. REFER TO INDIVIDUAL ROOMS FOR CIRCUIT DESIGNATIONS.

TYPICAL PATIENT ROOM CIRCUITING PLAN
1/4" = 1'-0"

ALTERNATE No. 2
NOT USED



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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. S. HOPFAS
21961
7/13/07

GENERAL NOTE:
REFER TO SHEET EL04 FOR LOCATIONS OF TELEPHONE & TELEPHONE/DATA OUTLETS. MOUNT RECEPTACLES & TELEPHONE, TELEPHONE/DATA OUTLETS ADJACENT TO EACH OTHER WHERE SHOWN IN SAME LOCATIONS. COORDINATE ALL LOCATIONS WITH ARCHITECTURAL DRAWINGS & ELEVATIONS TO AVOID CONFLICTS WITH CASEWORK, ETC.

NOTES:
1. TRANSFORMERS SERVING PANELS "NL3" & "CL2" MOUNT ONE TRANSFORMER ABOVE THE OTHER AS REQUIRED.
2. FLUSH FLOOR COMBINATION POWER & TELEPHONE/DATA OUTLET ROUTE ONE (1) EACH 3/4" & 1-1/4" CONDUITS FROM OUTLET BELOW FINISHED FLOOR, UP CONCEALED IN WALL & TERMINATED ABOVE ACCESSIBLE CEILING WITH BUSHING FOR POWER & TELEPONE/DATA CABLING AS REQUIRED EXACT LOCATION AS DIRECTED BY ARCHITECT
3. FLUSH MOUNTED JUNCTION BOX WITH 1-1/4" CONDUIT TERMINATED ABOVE ACCESSIBLE CEILING FOR PHYSIO. MONITOR MOUNT ADJACENT TO DUPLEX RECEPTACLE. EXACT LOCATION AS DIRECTED BY ARCHITECT
4. MOUNT MULTI-OUTLET ASSEMBLY ABOVE COUNTER AS REQUIRED
5. REFER TO 1/4" SCALE TYPICAL PATIENT ROOM CIRCUITING PLAN THIS SHEET FOR CIRCUITING OF RECEPTACLES IN THIS ROOM.
6. 4-#8 AND 1-#4 GROUND IN 3/4" CONDUIT
7. OMITTED
8. "NIGHT ENTRY" DOOR CHIME & INTERCOM STATION. NUTONE MODEL KIS-WH OR APPROVED EQUAL COMPLETE WITH TRANSFORMER. MOUNT TRANSFORMER ABOVE ACCESSIBLE CEILING & CONNECT TO NEAREST RECEPTACLE CIRCUIT. FURNISH & INSTALL ENGRAVED PLATE MOUNTED ABOVE INTERCOM STATION AT EXTERIOR DOOR ENGRAVED "PUSH FOR NIGHT ENTRY". ROUGH-IN & CONNECT AS REQUIRED
9. JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR CONNECTION OF LOW VOLTAGE DOOR LOCK SYSTEM. ROUGH-IN & CONNECT AS REQUIRED BY EQUIPMENT MANUFACTURER
10. OMITTED
11. OMITTED.
12. OMITTED
13. HOT WATER CABINET UNIT HEATER, FR HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
14. JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR CONNECTION OF VAV BOX CONTROLS. CONNECTION OF CONTROL POWER FROM JUNCTION BOX TO VAV BOXES BY TEMPERATURE CONTROL CONTRACTOR. COORDINATE LOCATION OF JUNCTION BOX WITH TEMPERATURE CONTROL CONTRACTOR
15. MEDICAL GAS ALARM PANEL 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
16. OMITTED.
17. OMITTED.

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Checked By	BLSH

Revisions

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1	07-13-07	GMP Set

E1.03

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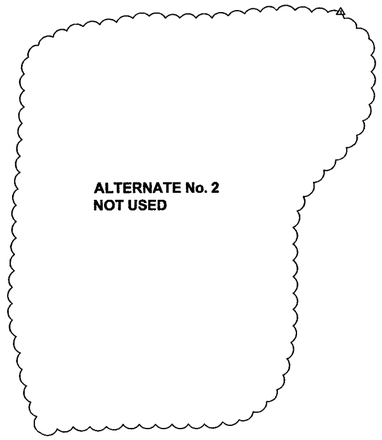
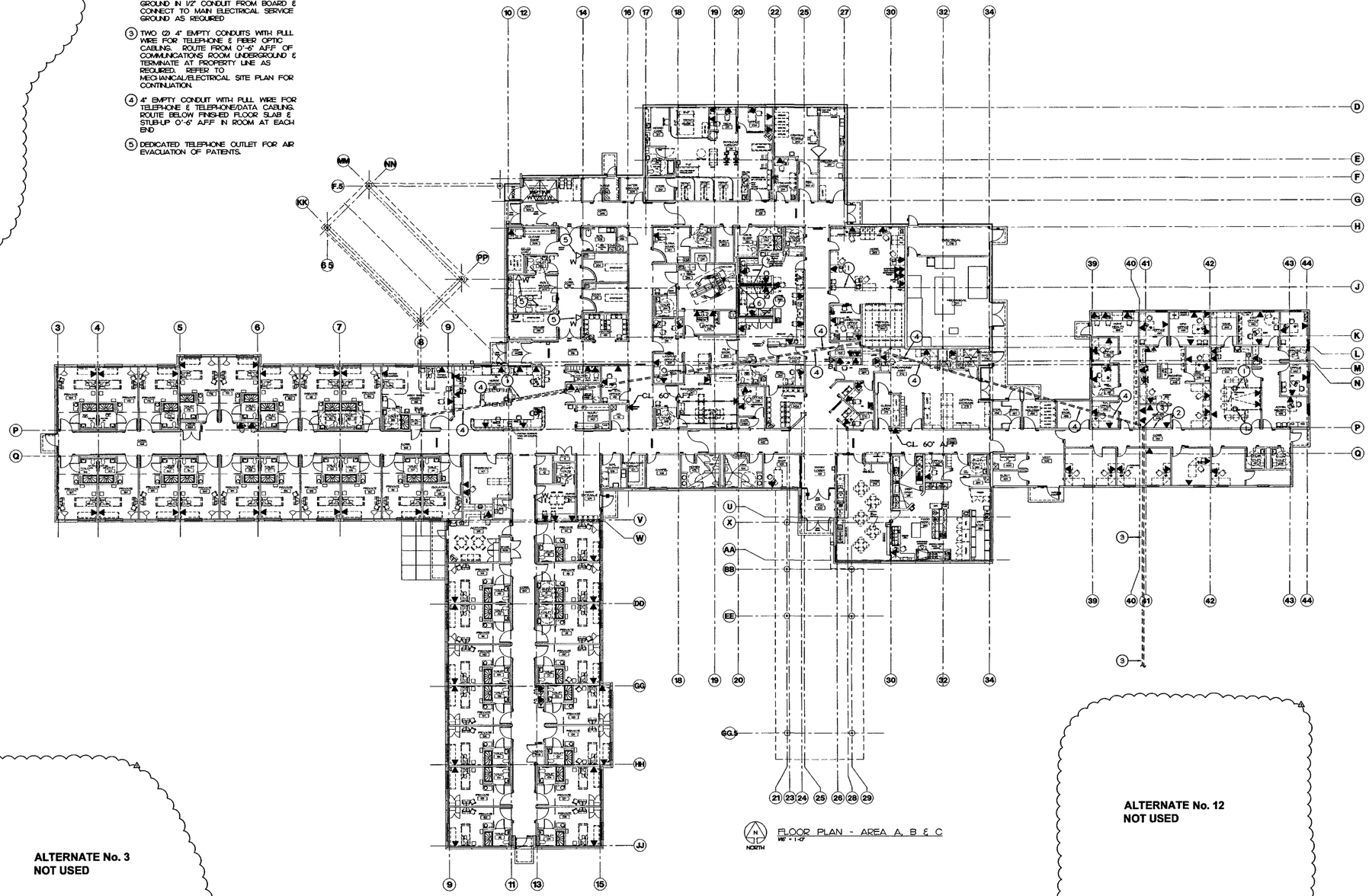
Elec Floor Plan-Areas C & D Power

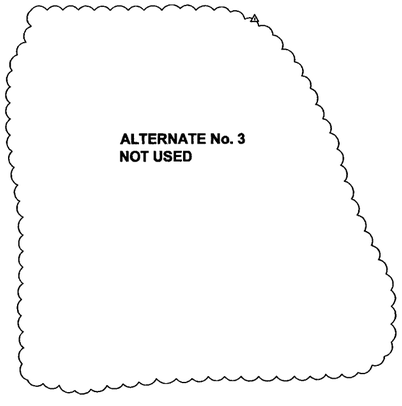
NOTES:

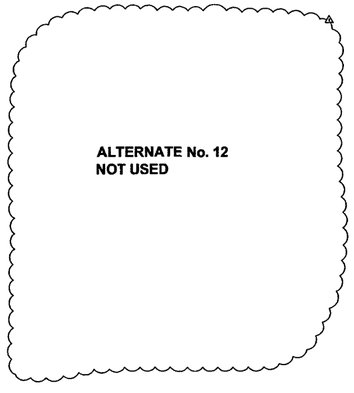
1. FLUSH FLOOR COMBINATION POWER & TELEPHONE/DATA OUTLET ROUTE ONE (1) EACH 3/4 & H/4" CONDUITS FROM OUTLET BELOW FINISHED FLOOR, UP CONCEALED IN WALL & TERMINATED ABOVE ACCESSIBLE CEILING WITH BUSHING FOR POWER & TELEPONE/DATA CABLING AS REQUIRED EXACT LOCATION AS DIRECTED BY ARCHITECT
2. 8 x8'x3/4" FIRE RETARDANT PLYWOOD FOR TELEPHONE SERVICE EQUIPMENT FURNISH & INSTALL ONE (1) #6AWG COOPER GROUND IN 1/2" CONDUIT FROM BOARD & CONNECT TO MAIN ELECTRICAL SERVICE GROUND AS REQUIRED
3. TWO (2) 4" EMPTY CONDUITS WITH PULL WIRE FOR TELEPHONE & FIBER OPTIC CABLING. ROUTE FROM 0'-6" A.F.F OF COMMUNICATIONS ROOM UNDERGROUND & TERMINATE AT PROPERTY LINE AS REQUIRED. REFER TO MECHANICAL/ELECTRICAL SITE PLAN FOR CONTINUATION.
4. 4" EMPTY CONDUIT WITH PULL WIRE FOR TELEPHONE & TELEPHONE/DATA CABLING. ROUTE BELOW FINISHED FLOOR SLAB & STUB-UP 0'-6" A.F.F IN ROOM AT EACH END
5. DEDICATED TELEPHONE OUTLET FOR AIR EVACUATION OF PATIENTS.
6. 2" EMPTY CONDUIT WITH PULL WIRE. ROUTE CONDUIT IN CHASE WALL FROM TELEPHONE/DATA OUTLET UP CONCEALED IN WALL & TERMINATE ABOVE ACCESSIBLE CEILING WITH BUSHINGS AS REQUIRED
7. TWO SECTION SURFACE MOUNTED RACEWAY WITH OUTLETS AS SHOWN. REFER TO SHEET EL02 FOR ADDITIONAL INFORMATION.

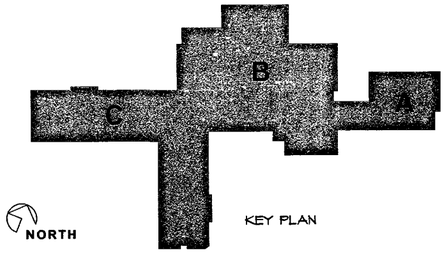




FLOOR PLAN - AREA A, B & C
1/16" = 1'-0"







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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Revisions

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E1.04

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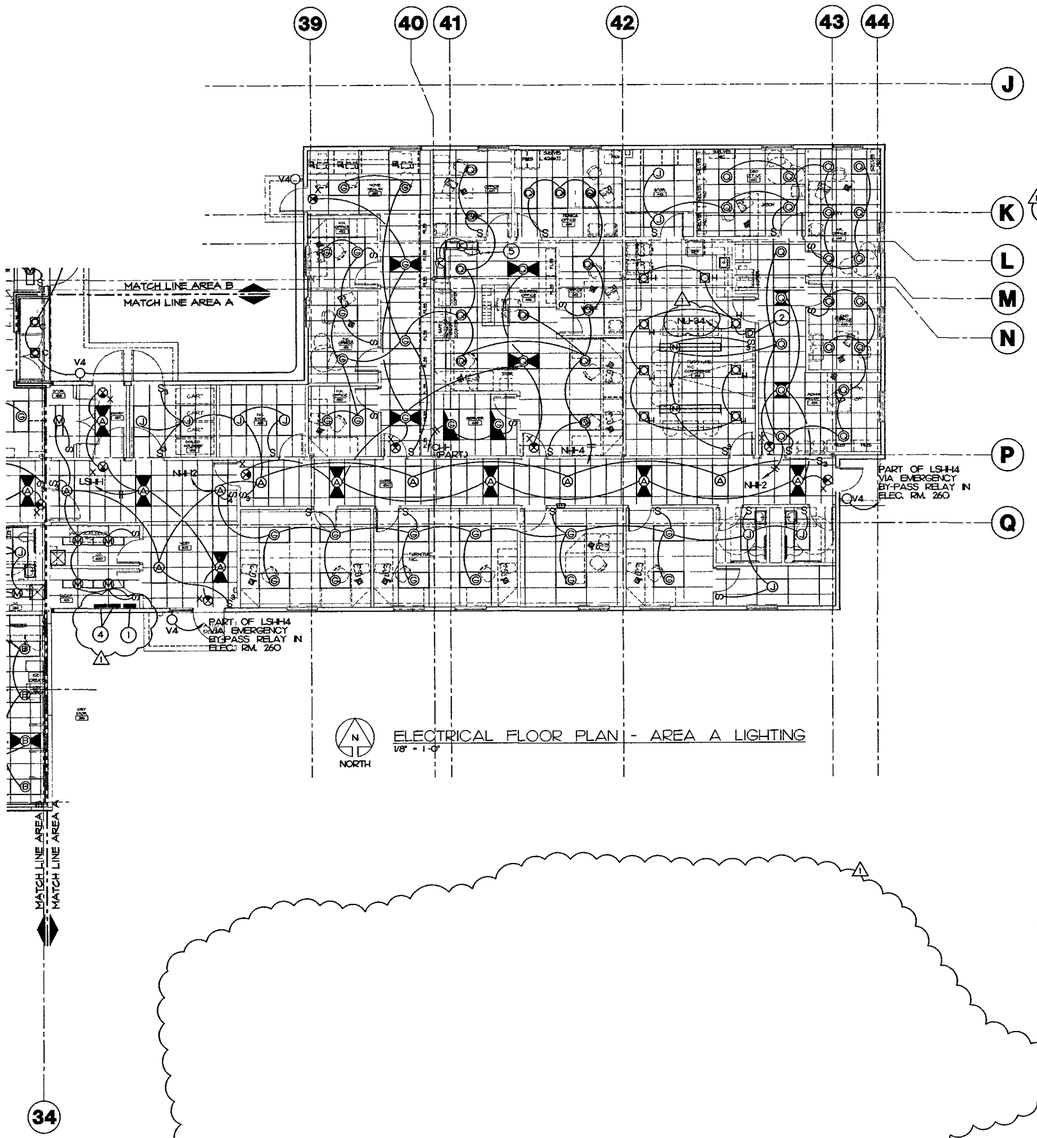
Elec Flr Plan-Tele & Tele/Data

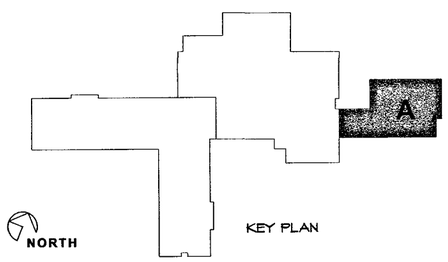


ELECTRICAL FLOOR PLAN - AREA A LIGHTING
1/8" = 1'-0"

NOTES

1. PANEL "NH"
2. 500 WATT INCANDESCENT DIMMER
3. OMITTED
4. PANEL "NH"
5. TO RECEPTACLE BELOW

ALTERNATE No. 12
NOT USED



KEY PLAN

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REGISTERED PROFESSIONAL ENGINEER BARBARA S HOPPAC 21861 7/13/07

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SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	CW
Checked By	BLSH

Revisions

Number	Date	Description
1	07-13-07	GMP Set

E2.01

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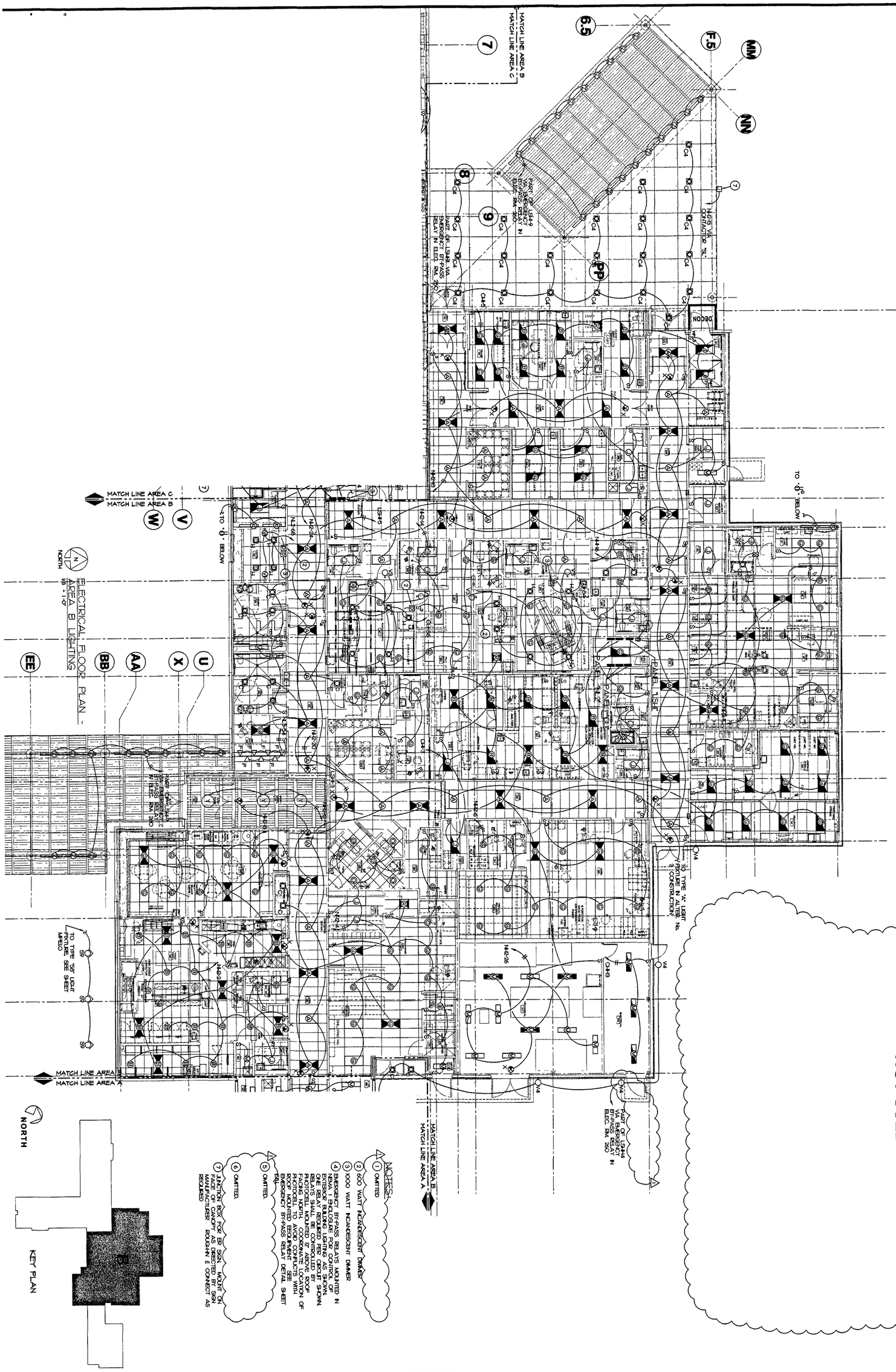
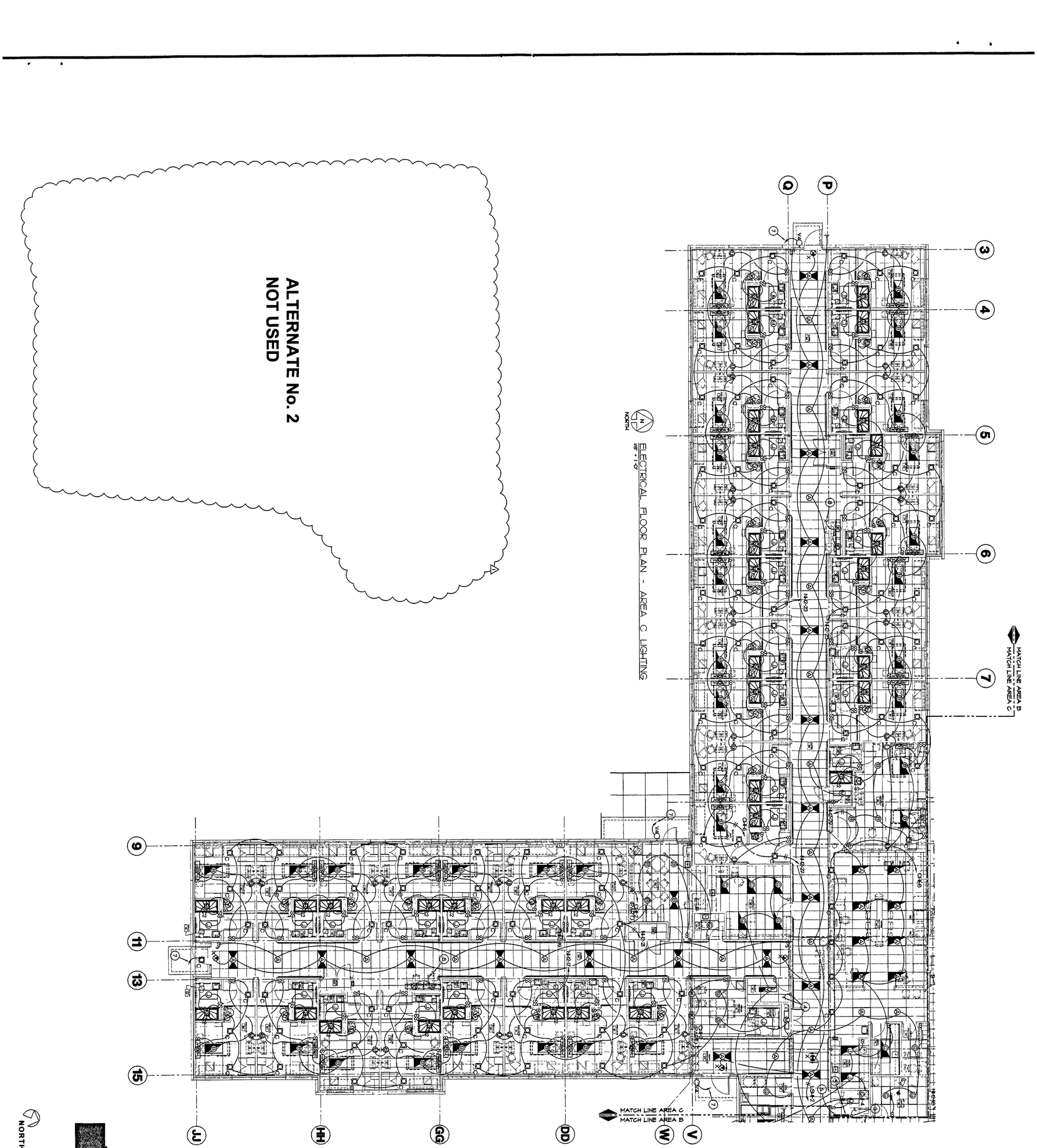
Elec Flr Plan-Areas A & A1 Lighting


MATCH LINE AREA B
MATCH LINE AREA C
MATCH LINE AREA C
MATCH LINE AREA B
MATCH LINE AREA A
MATCH LINE AREA B
MATCH LINE AREA A
TO TYPE 'SS' LIGHT FIXTURE SEE SHEET M501
TO TYPE 'W' LIGHT FIXTURE IN ALTER. NO. 3 CONSTRUCTION
TO TYPE 'W' LIGHT FIXTURE IN ALTER. NO. 3 CONSTRUCTION
TO ϕ. BELOW
TO ϕ. BELOW
TO ϕ. BELOW
PART OF LSH-4 VIA EMERGENCY BY-PASS RELAY 'N' ELEC RM 260



ELECTRICAL FLOOR PLAN - AREA C LIGHTING
1/8" = 1'-0"

KEY PLAN

NOTES:
1. OMITTED
2. OMITTED
3. SITE LIGHTING CONTACTOR BY OTHERS. CONTROL IS NEMA 1 ENCLOSURE WITH CONTROL FROM PHOTOCELL MOUNTED 12' ABOVE ROOF FACING NORTH. ROUGH-IN & CONNECT AS REQUIRED. MOUNT PHOTOCELL ON ROOF TO AVOID CONFLICTS WITH ROOF MOUNTED EQUIPMENT
4. OBSTRUCTION LIGHTING CONTACTOR 'O1' 30 AMP 3 POLE MOUNTED IN NEMA 1 ENCLOSURE WITH CONTROL FROM PHOTOCELL MOUNTED ON ROOF ADJACENT TO PHOTOCELL IN NOTE NO 1. ROUGH-IN & CONNECT AS REQUIRED.
5. PANEL 'N4'
6. PANEL 'O4'
7. PART OF LSH4 VIA EMERGENCY BY-PASS RELAY IN ELEC. ROOM 250.
8. TO RECEPTACLE BELOW

ALTERNATE No. 2
NOT USED

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HOPPAS
24844
1/9/07

Date: June 29, 2007
Job Number: 4406033.00
Drawn By: CW
Checked By: BLSH

Revisions
Number | Date | Description
1 | 07-19-07 | 4th Set

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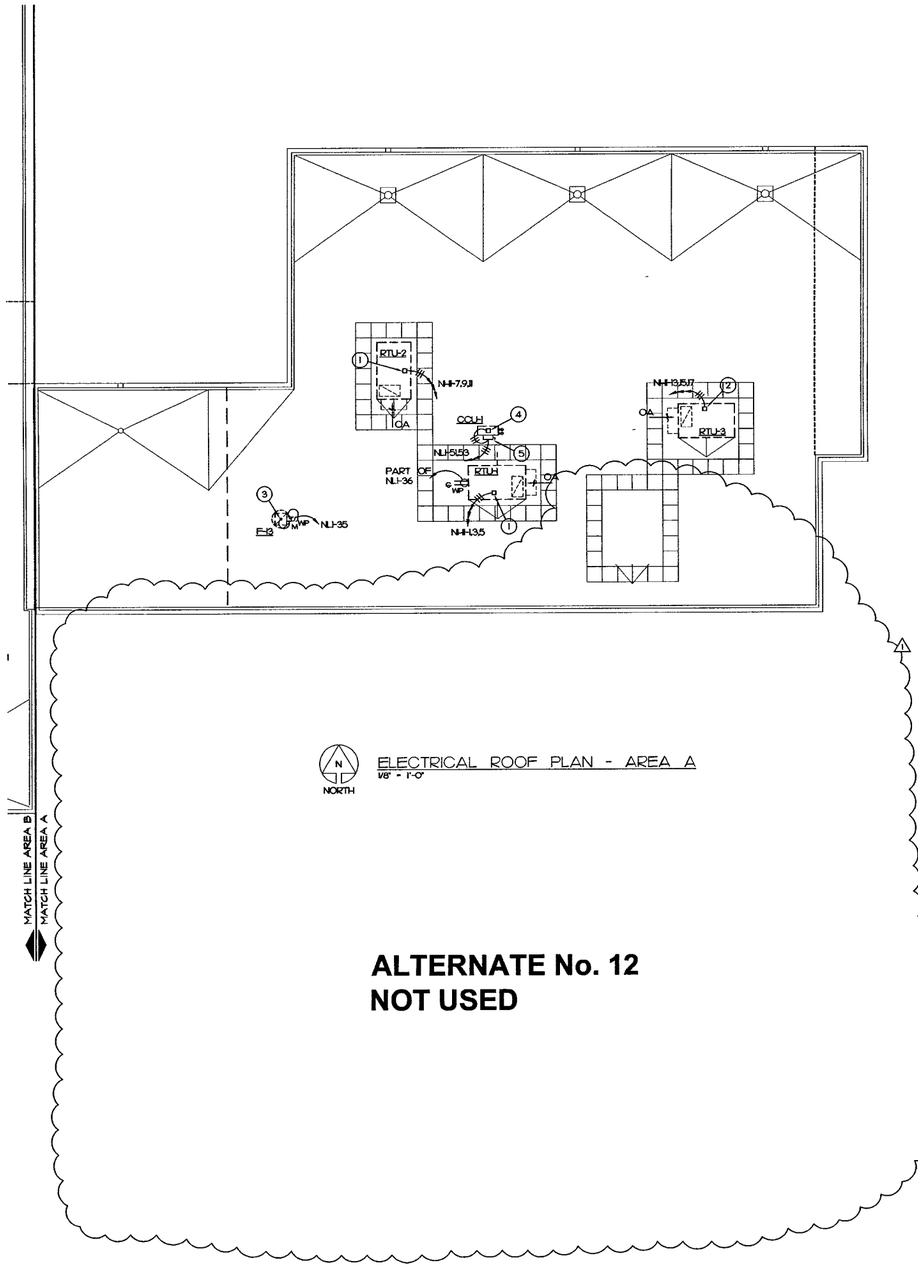
Elec. Floor Plan-Areas C & D Ltg

E2.03

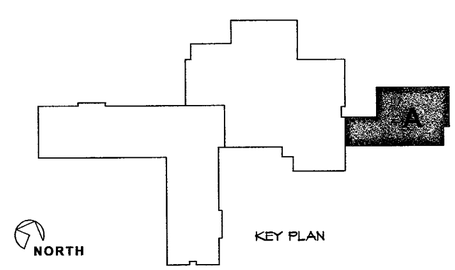


ELECTRICAL ROOF PLAN - AREA A
1/8" = 1'-0"

ALTERNATE No. 12
NOT USED

NOTES:

1. ROOF TOP UNIT, 17.5 M.C.A. 480/60/3. ROUGH-IN & CONNECT TO DISCONNECTING MEANS FURNISHED WITH UNIT AS REQUIRED
2. ROOF TOP UNIT, 14.3 M.C.A. 480/60/3. ROUGH-IN & CONNECT TO DISCONNECTING MEANS FURNISHED WITH UNIT AS REQUIRED.
3. EXHAUST FAN INSTALLED UNDER BASE BID CONSTRUCTION ONLY, 1/4 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED.
4. CONDENSING UNIT 13.0 M.C.A. 208/60/1. ROUGH-IN & CONNECT AS REQUIRED
5. 30 AMP 2 POLE WP FUSED DISCONNECT SWITCH FUSED AS REQUIRED BY EQUIPMENT MANUFACTURER.
6. OMITTED.



KEY PLAN

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. S. HOPPAS
21891
OKLAHOMA
7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	BKT
Checked By	BLSH

Revisions

Number	Date	Description
1	07-15-07	GMP Set

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Electrical Roof Plan-Area A

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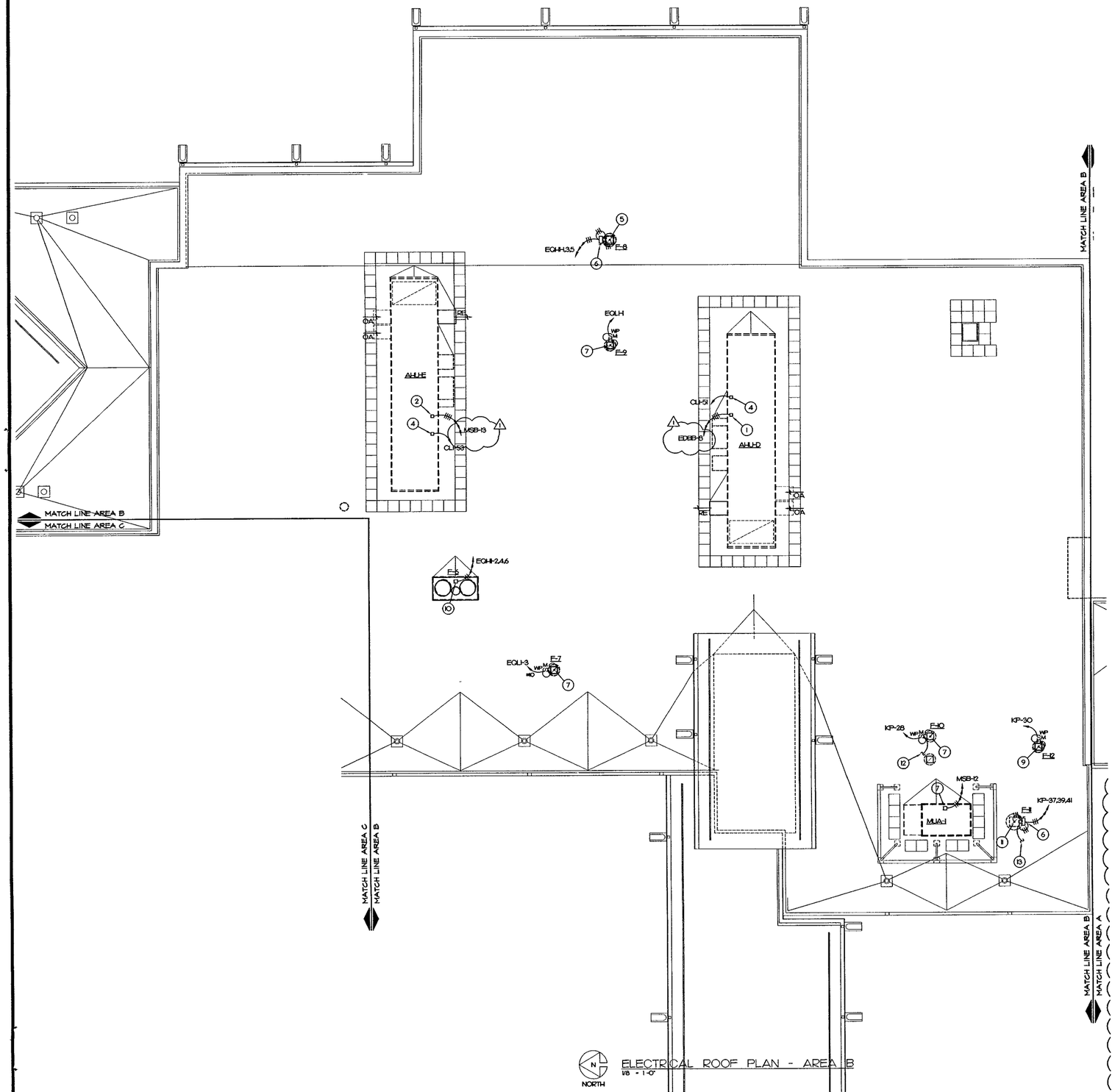
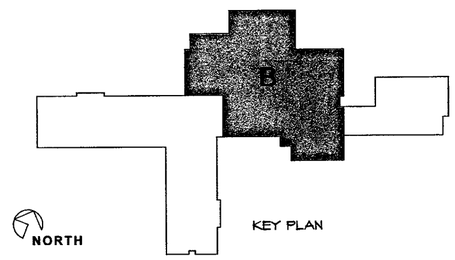


ALTERNATE No. 3
NOT USED

NOTES:

1. ROOF TOP UNIT SINGLE POINT CONNECTION FOR SUPPLY & RETURN FANS, 44.75 M.C.A. 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
2. ROOF TOP UNIT SINGLE POINT CONNECTION FOR SUPPLY & RETURN FANS, 64.0 M.C.A. 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
3. OMITTED
4. ROOF TOP UNIT SINGLE POINT CONNECTION FOR PRE-WIRED LIGHT FIXTURES & GFI RECEPTACLE. ROUGH-IN & CONNECT AS REQUIRED
5. EXHAUST FAN, 1 HP 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
6. 30 AMP 3 POLE WP FUSED DISCONNECT SWITCH FUSED AS REQUIRED BY EQUIPMENT MANUFACTURER
7. EXHAUST FAN, 1/2 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED.
8. KITCHEN MAKE-UP AIR UNIT, 50.0 M.C.A. 480/60/3. ROUGH-IN & CONNECT AS REQUIRED.
9. EXHAUST FAN, 1/6 HP 120/60/1. ROUGH-IN & CONNECT AS REQUIRED
10. OMITTED.
11. EXHAUST FAN, 3 HP 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
12. INTERLOCK WITH DISHWASHER CONTROL PANEL AS REQUIRED
13. INTERLOCK WITH KITCHEN HOOD CONTROL PANEL AS REQUIRED
14. OMITTED



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

REGISTERED PROFESSIONAL ENGINEER
BARBARA L S HOPPAS
21881
7/13/07

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Date	June 29 2007
Job Number	4-06033 00
Drawn By	BKT
Checked By	BLSH

Revisions

Number	Date	Description
1	07-13-07	GMP Set

E3.02

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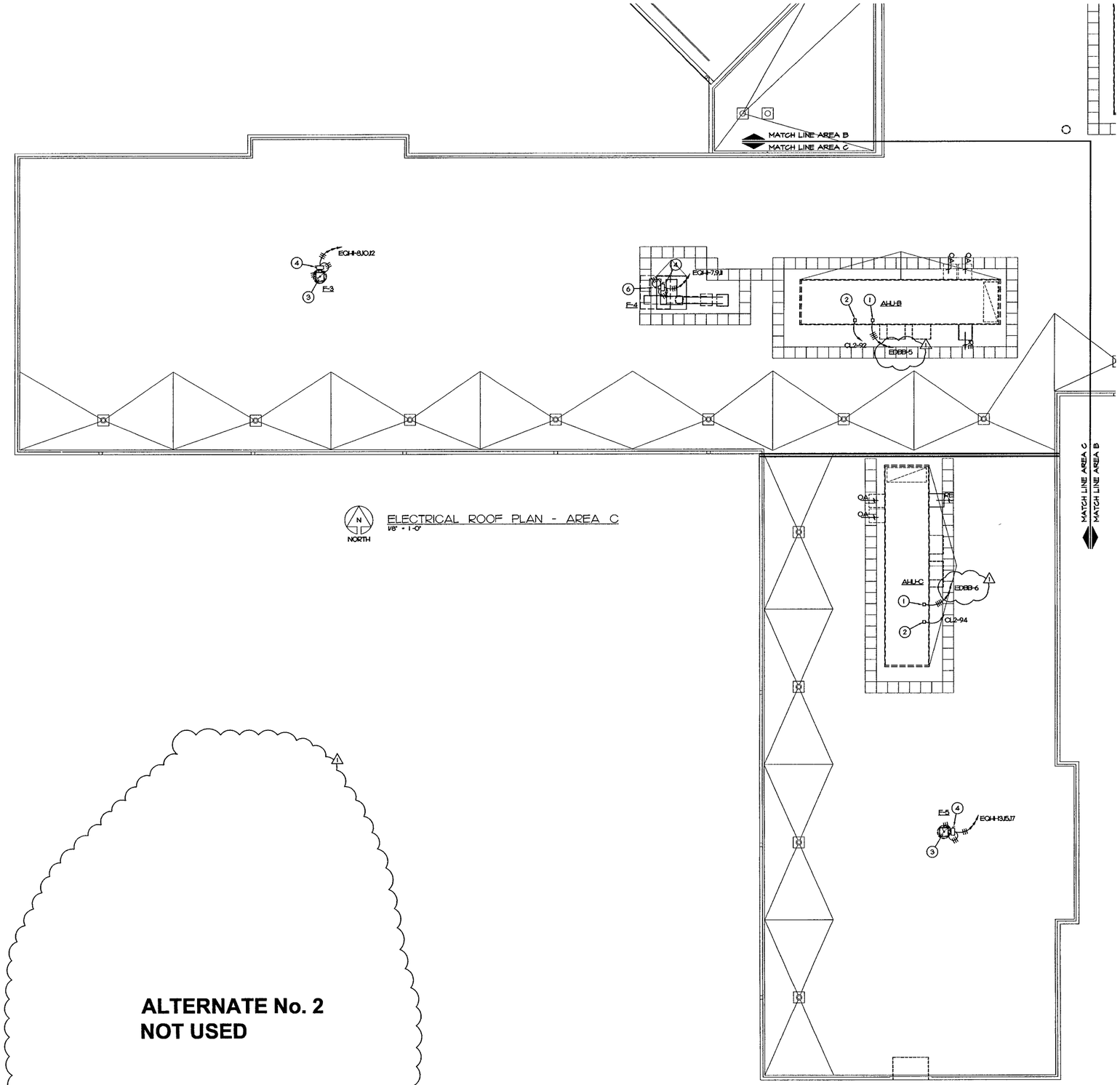
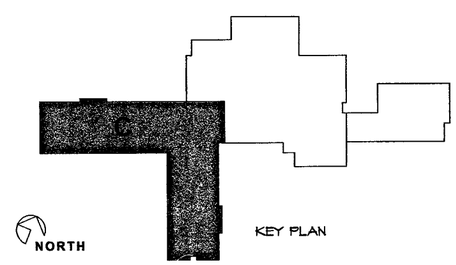
Electrical Roof Plan-Area B



ELECTRICAL ROOF PLAN - AREA C
1/8" = 1'-0"

ALTERNATE No. 2
NOT USED



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NOTES:

1. ROOF TOP UNIT SINGLE POINT CONNECTION FOR SUPPLY & RETURN FANS, 33.85 M.C.A. 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
2. ROOF TOP UNIT SINGLE POINT CONNECTION FOR PRE-WIRED LIGHT FIXTURES & G.F.I. RECEPTACLE. ROUGH-IN & CONNECT AS REQUIRED.
3. EXHAUST FAN, 1 HP 480/60/3. ROUGH-IN & CONNECT AS REQUIRED
4. 30 AMP 3 POLE WP FUSED DISCONNECT SWITCH FUSED AS REQUIRED BY EQUIPMENT MANUFACTURER.
5. OMITTED.
6. EXHAUST FAN, 1 HP 480/60/3. ROUGH-IN & CONNECT AS REQUIRED.

BARBARA B HOPPAS 21861 REGISTERED PROFESSIONAL ENGINEER
7/13/07

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
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Revisions

Number	Date	Description
1	07-18-07	GMP Set

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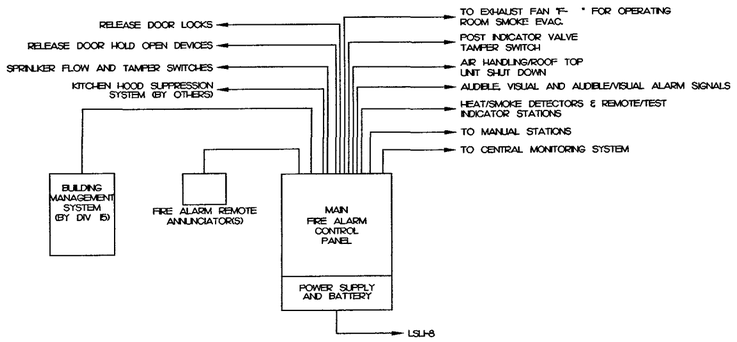
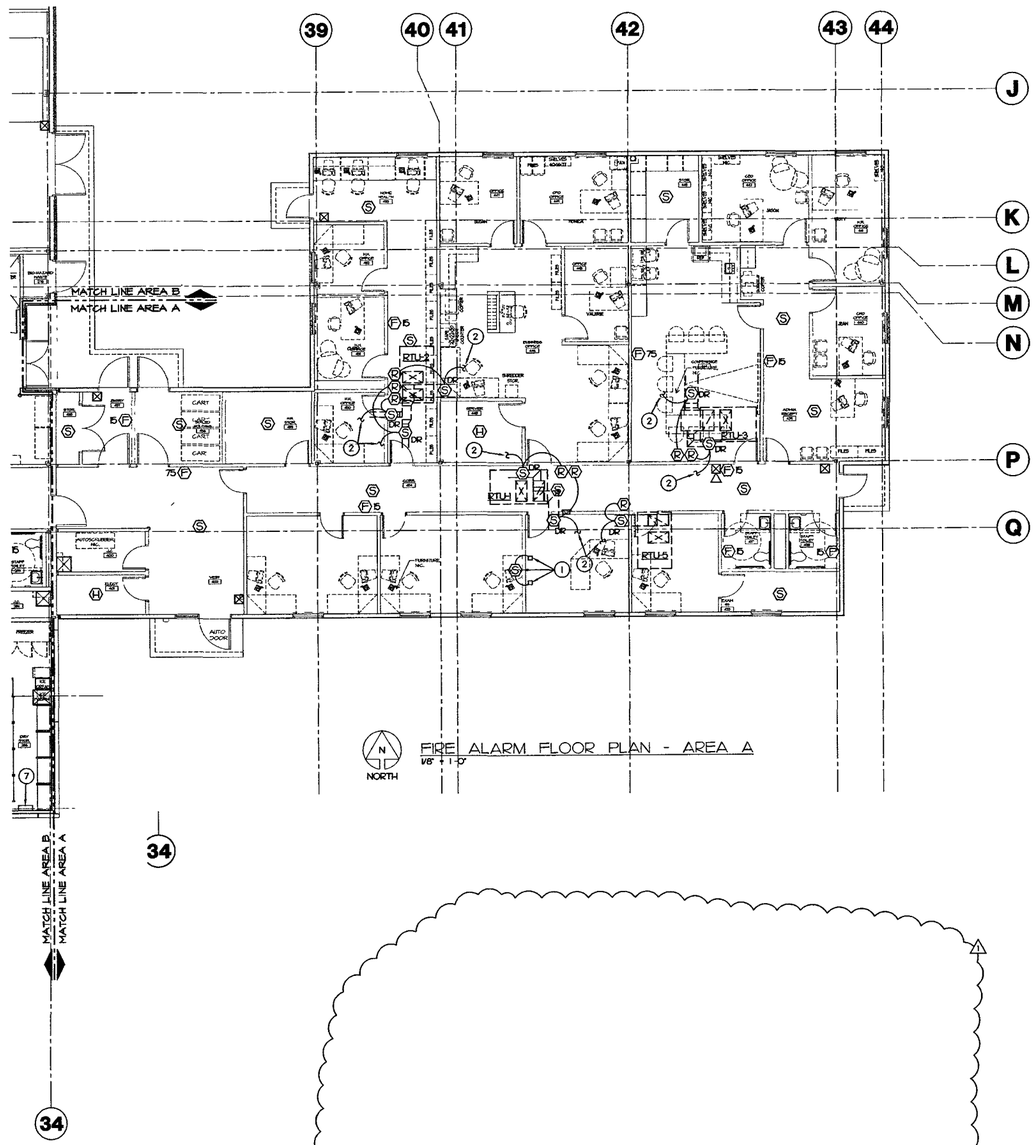
Electrical Roof Plan-Area C



FIRE ALARM SYSTEM RISER

NOT TO SCALE

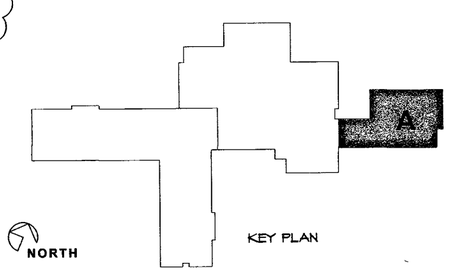


NORTH

FIRE ALARM FLOOR PLAN - AREA A

1/8" = 1'-0"

ALTERNATE No. 12
NOT USED



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GENERAL NOTES:

1. NO & SIZE OF CONDUCTORS AND SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER.
2. SYSTEM SHALL BE IN FULL COMPLIANCE WITH A.D.A. AND ALL ASSOCIATED CODES.
3. CONTRACTOR SHALL FURNISH COMPLETE WIRING DIAGRAM INDICATING ALL DEVICES. NUMBER & SIZE OF CONDUCTORS & TERMINATION POINTS. CONTRACTOR SHALL FURNISH CUT SHEETS OF EACH DEVICE TO BE INSTALLED
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING, CONDUIT, AND CONNECTIONS REQUIRED BY THE FIRE PROTECTION CONTRACTOR FOR CONNECTION OF WATER FLOW, DAMPER SWITCHES, SUPERVISED WITH THE SPRINKLER SYSTEM. COORDINATE DEVICES AND LOCATIONS WITH FIRE PROTECTION CONTRACTOR.
5. ACTIVATION OF DUCT DETECTOR IN DUCTWORK WITH A SMOKE DAMPER OR COMBINATION FIRE/SMOKE DAMPER SHALL CLOSE DAMPER & SHUT-DOWN ASSOCIATED ROOF TOP UNIT
6. ACTIVATION OF DUCT DETECTOR IN DUCTWORK NOTED WITH 'RTU- DESIGNATION SHALL SHUT-DOWN DESIGNATED ROOF TOP UNIT
7. REFER TO MECHNICAL DRAWINGS FOR LOCATION OF SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND ADDITIONAL INFORMATION.
8. SMOKE DETECTOR INSTALLED IN DUCTWORK TO ACTIVATE AN ASSOCIATED SMOKE OR COMBINATION FIRE/SMOKE DAMPER SHALL BE INSTALLED WITHIN 5'-0" OF THE DAMPER WITH NO AIR OUTLETS OR INLETS BETWEEN DETECTOR AND DAMPER. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DETECTORS AS REQUIRED FOR ANY DUCTWORK MODIFICATIONS REQUIRED DURING CONSTRUCTION.

NOTES:

1. FIRE SHUTTER WITH CONTROL FROM SMOKE DETECTOR. ROUGH-IN & CONNECT AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS & SPECIFICATION FOR ADDITIONAL INFORMATION.
2. ROOF TOP UNIT SHUT-DOWN.

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

REGISTERED PROFESSIONAL ENGINEER — BARBARA L. S. HOPPAS — 21861 — OKLAHOMA — 7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033 00
Drawn By	DDH/BKT
Checked By	BLSH

Revisions

Number	Date	Description
1	07-18-07	GMP Set

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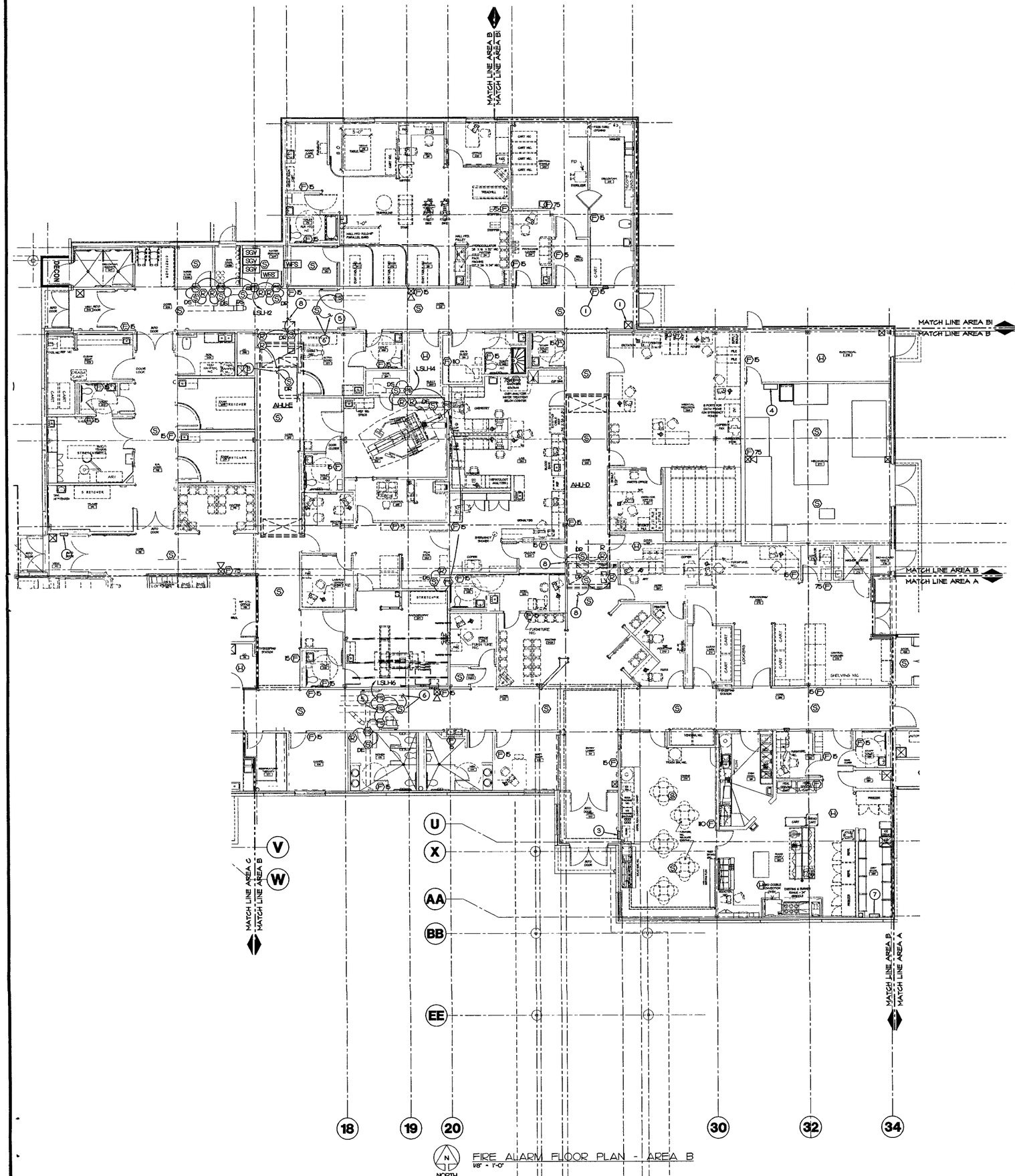
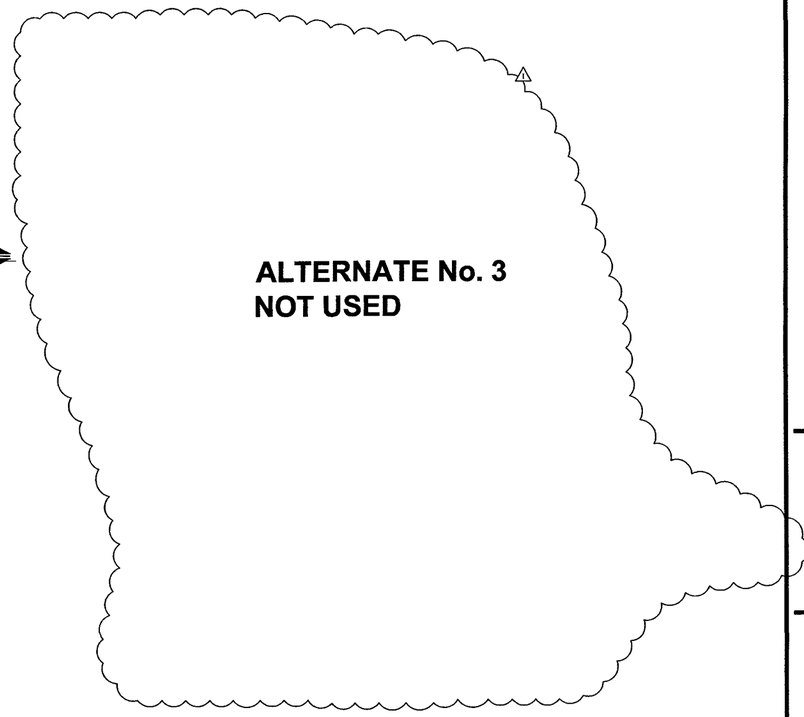
Fire Alarm Floor Plan - Areas A & A1



FIRE ALARM FLOOR PLAN - AREA B
1/8" = 1'-0"

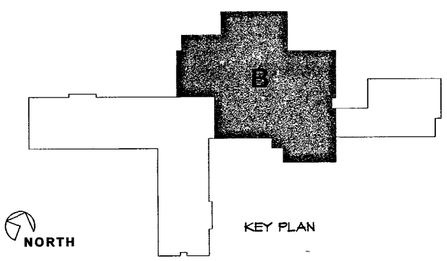


GENERAL NOTES:

1. NO & SIZE OF CONDUCTORS AND SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER
2. SYSTEM SHALL BE IN FULL COMPLIANCE WITH A.D.A. AND ALL ASSOCIATED CODES.
3. CONTRACTOR SHALL FURNISH COMPLETE WIRING DIAGRAM INDICATING ALL DEVICES. NUMBER & SIZE OF CONDUCTORS & TERMINATION POINTS CONTRACTOR SHALL FURNISH CUT SHEETS OF EACH DEVICE TO BE INSTALLED
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING, CONDUIT AND CONNECTIONS REQUIRED BY THE FIRE PROTECTION CONTRACTOR FOR CONNECTION OF WATER FLOW, DAMPER SWITCHES, SUPERVISED WITH THE SPRINKLER SYSTEM. COORDINATE DEVICES AND LOCATIONS WITH FIRE PROTECTION CONTRACTOR.
5. ACTIVATION OF DUCT DETECTOR IN DUCTWORK WITH A SMOKE DAMPER OR COMBINATION FIRE/SMOKE DAMPER SHALL CLOSE DAMPER & SHUT-DOWN ASSOCIATED ROOF TOP UNIT
6. ACTIVATION OF DUCT DETECTOR IN DUCTWORK NOTED WITH "RTU-" DESIGNATION SHALL SHUT-DOWN DESIGNATED ROOF TOP UNIT
7. REFER TO MECHNICAL DRAWINGS FOR LOCATION OF SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND ADDITIONAL INFORMATION.
8. SMOKE DETECTOR INSTALLED IN DUCTWORK TO ACTIVATE AN ASSOCIATED SMOKE OR COMBINATION FIRE/SMOKE DAMPER SHALL BE INSTALLED WITHIN 5'-0" OF THE DAMPER WITH NO AIR OUTLETS OR INLETS BETWEEN DETECTOR AND DAMPER CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DETECTORS AS REQUIRED FOR ANY DUCTWORK MODIFICATIONS REQUIRED DURING CONSTRUCTION.

NOTES:

1. FIRE ALARM SYSTEM DEVICE INSTALLED UNDER BASE BID ONLY
2. MANUAL PULL STATION INSTALLED UNDER ALTERNATE CONSTRUCTION.
3. FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL.
4. FIRE ALARM SYSTEM PANEL.
5. CORRIDOR DOOR EQUIPPED WITH "HOLD-OPEN" TYPE HARDWARE. ROUGH-IN & CONNECT TO FIRE ALARM SYSTEM AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. SMOKE DETECTOR FOR ACTIVATION OF DOOR RELEASE. ROUGH-IN & CONNECT AS REQUIRED
7. KITCHEN HOOD FIRE SUPPRESSION SYSTEM PANEL. ROUGH-IN & CONNECT AS REQUIRED COORDINATE LOCATION WITH EQUIPMENT SUPPLIER.
8. AIR HANDLING UNIT SHUT-DOWN.



KEY PLAN

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7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Checked By	BLSH

Revisions

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E4.02

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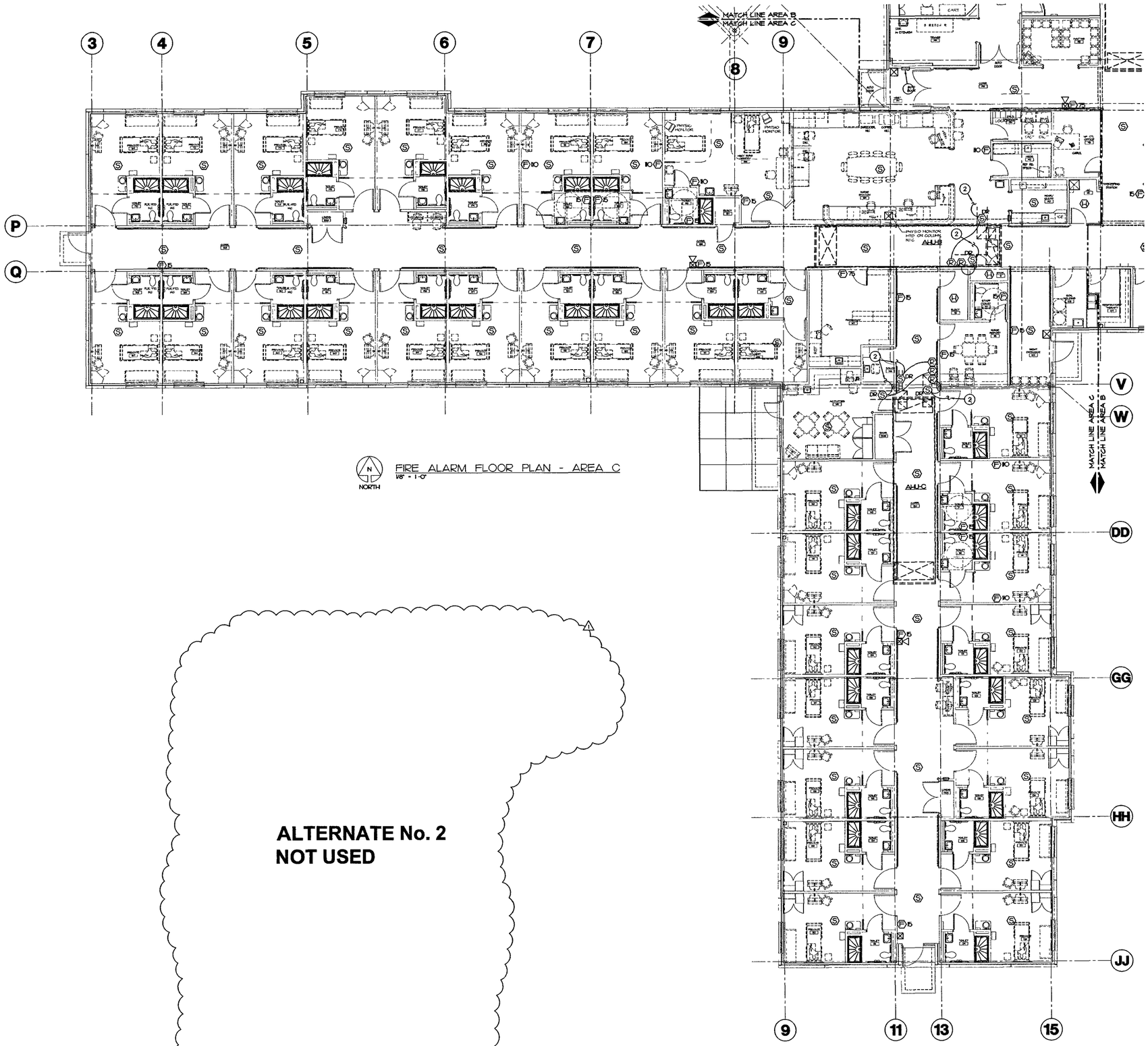
Fire Alarm Floor Plan - Area B



NORTH

FIRE ALARM FLOOR PLAN - AREA C

1/8" = 1'-0"

ALTERNATE No. 2
NOT USED

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. S. HOPPAS
21181
OKLAHOMA
7/13/07

GENERAL NOTES:

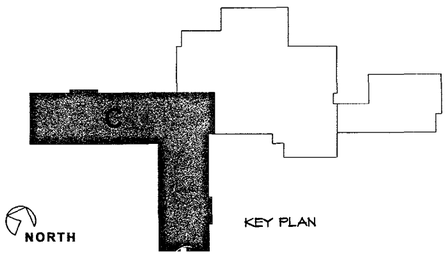
1. NO & SIZE OF CONDUCTORS AND SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER.
2. SYSTEM SHALL BE IN FULL COMPLIANCE WITH A.D.A. AND ALL ASSOCIATED CODES.
3. CONTRACTOR SHALL FURNISH COMPLETE WIRING DIAGRAM INDICATING ALL DEVICES. NUMBER & SIZE OF CONDUCTORS & TERMINATION POINTS. CONTRACTOR SHALL FURNISH CUT SHEETS OF EACH DEVICE TO BE INSTALLED.
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING, CONDUIT AND CONNECTIONS REQUIRED BY THE FIRE PROTECTION CONTRACTOR FOR CONNECTION OF WATER FLOW, DAMPER SWITCHES, SUPERVISED WITH THE SPRINKLER SYSTEM. COORDINATE DEVICES AND LOCATIONS WITH FIRE PROTECTION CONTRACTOR
5. ACTIVATION OF DUCT DETECTOR IN DUCTWORK WITH A SMOKE DAMPER OR COMBINATION FIRE/SMOKE DAMPER SHALL CLOSE DAMPER & SHUT-DOWN ASSOCIATED ROOF TOP UNIT
6. ACTIVATION OF DUCT DETECTOR IN DUCTWORK NOTED WITH "RTU-" DESIGNATION SHALL SHUT-DOWN DESIGNATED ROOF TOP UNIT
7. REFER TO MECHNICAL DRAWINGS FOR LOCATION OF SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND ADDITIONAL INFORMATION.
8. SMOKE DETECTOR INSTALLED IN DUCTWORK TO ACTIVATE AN ASSOCIATED SMOKE OR COMBINATION FIRE/SMOKE DAMPER SHALL BE INSTALLED WITHIN 5'-0" OF THE DAMPER WITH NO AIR OUTLETS OR INLETS BETWEEN DETECTOR AND DAMPER. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DETECTORS AS REQUIRED FOR ANY DUCTWORK MODIFICATIONS REQUIRED DURING CONSTRUCTION.

NOTES:

(1) FIRE SHUTTER WITH CONTROL FROM SMOKE DETECTOR. ROUGH-IN & CONNECT AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS & SPECIFICATION FOR ADDITIONAL

NOTES:

(1) FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL.
(2) AIR HANDLING UNIT SHUT-DOWN.
(3) OMITTED



AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033.00
Drawn By	DDH/BKT
Checked By	BLSH

Revisions

Number	Date	Description
1	07-13-07	GMP Set

E4.03

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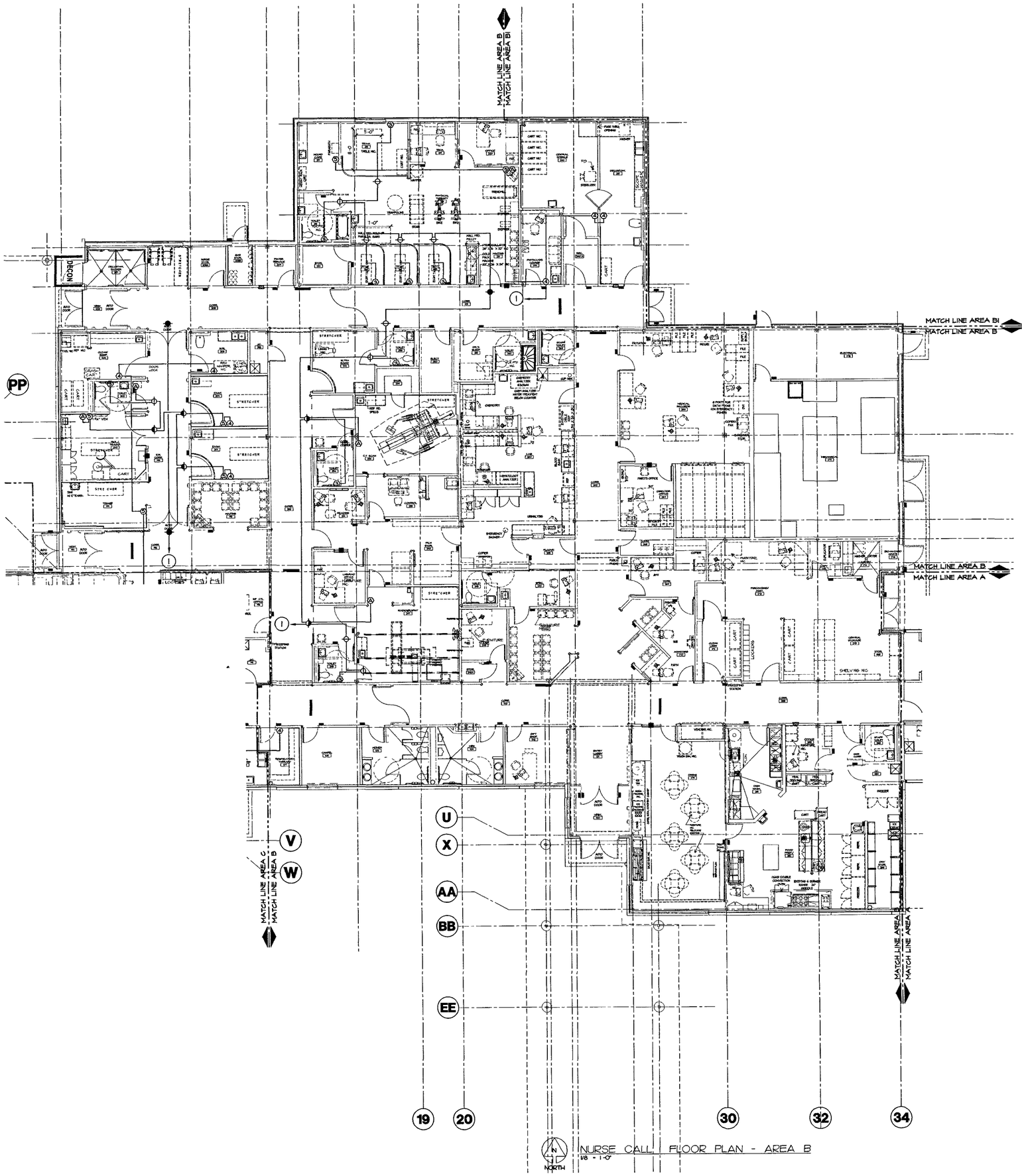
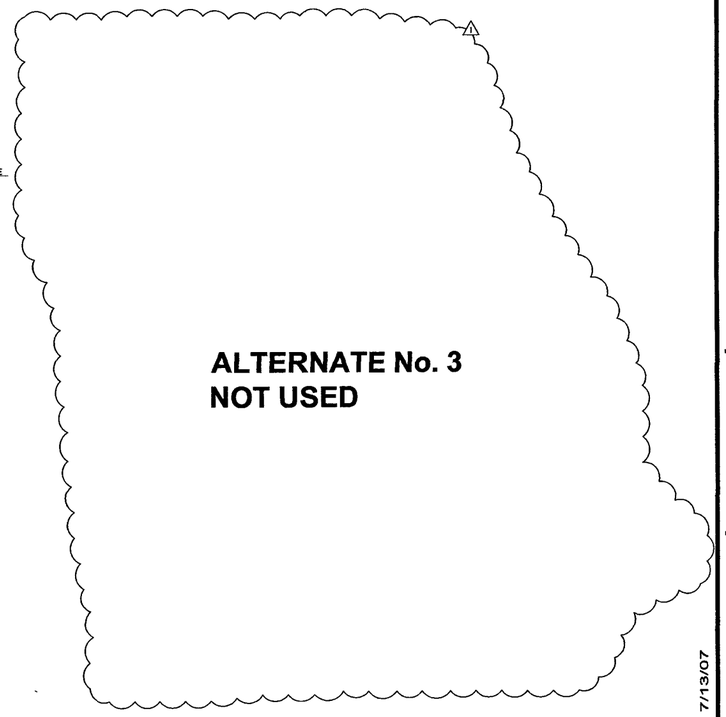
Fire Alarm Floor Plan-Area C



NURSE CALL FLOOR PLAN - AREA B
1/8 = 1'-0"

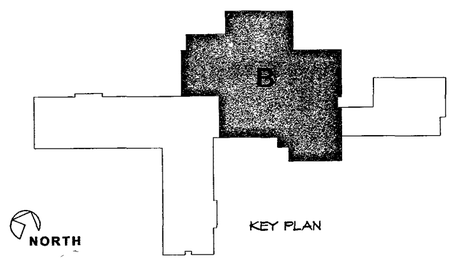


GENERAL NOTES:

1. NUMBER & SIZE OF CONDUCTORS & SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER
2. DELETED

NOTES:

1. CONNECT TO NURSE CALL SYSTEM EQUIPMENT CABINET



KEY PLAN

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Revisions

Number	Date	Description
1	07-13-07	GMP Set

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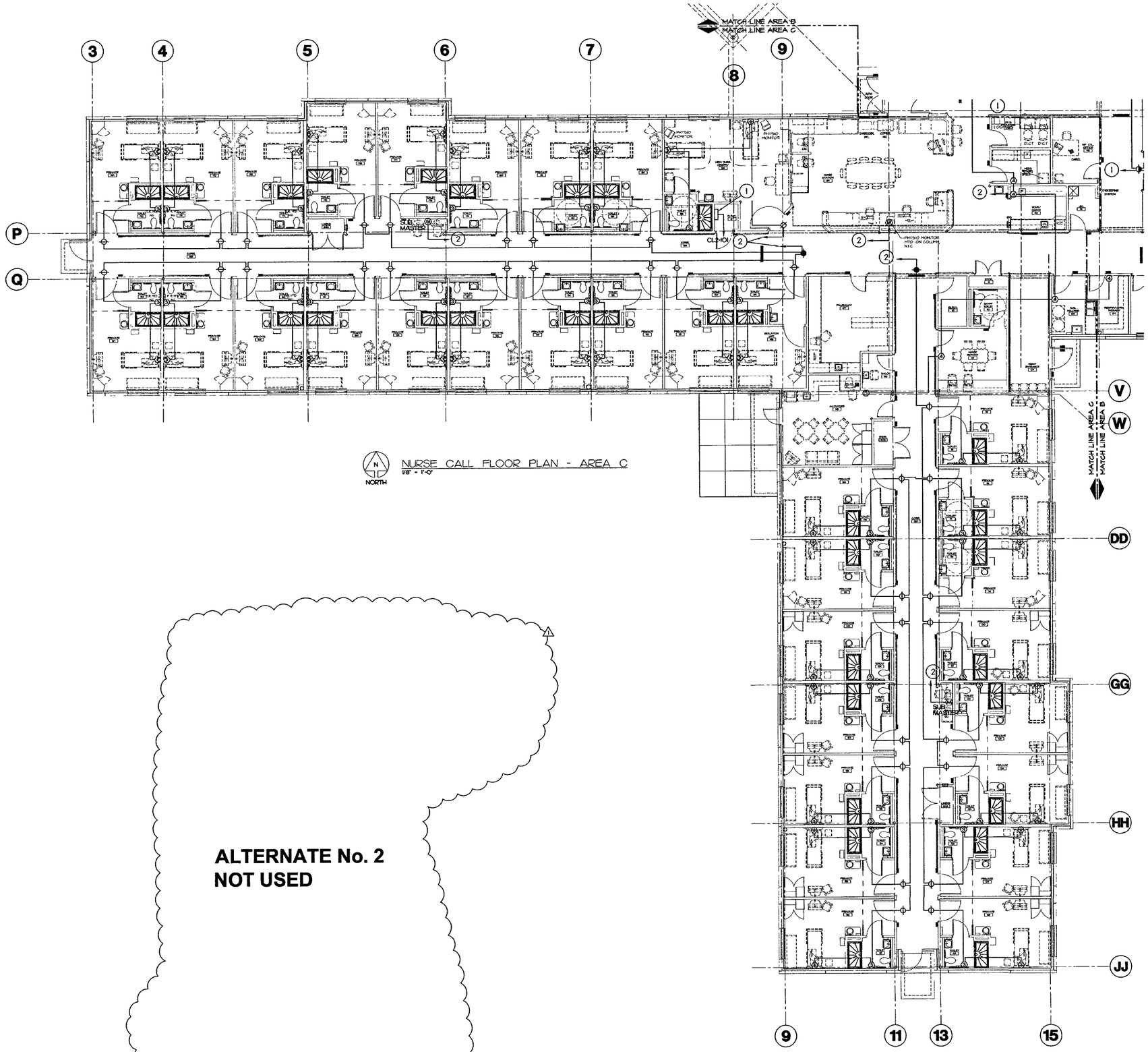
Nurse Call Floor Plan-Area B



NURSE CALL FLOOR PLAN - AREA C
1/8" = 1'-0"

NORTH

ALTERNATE No. 2
NOT USED

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7/13/07

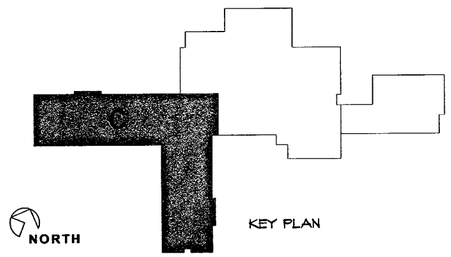
GENERAL NOTES:

1. NUMBER & SIZE OF CONDUCTORS & SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER
2. DELETED

NOTES:

(1) NURSE CALL SYSTEM EQUIPMENT CABINET

(2) CONNECT TO NURSE CALL SYSTEM EQUIPMENT CABINET



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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 2007
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Revisions

Number	Date	Description
1	07-13-07	GMP Set

E5.02

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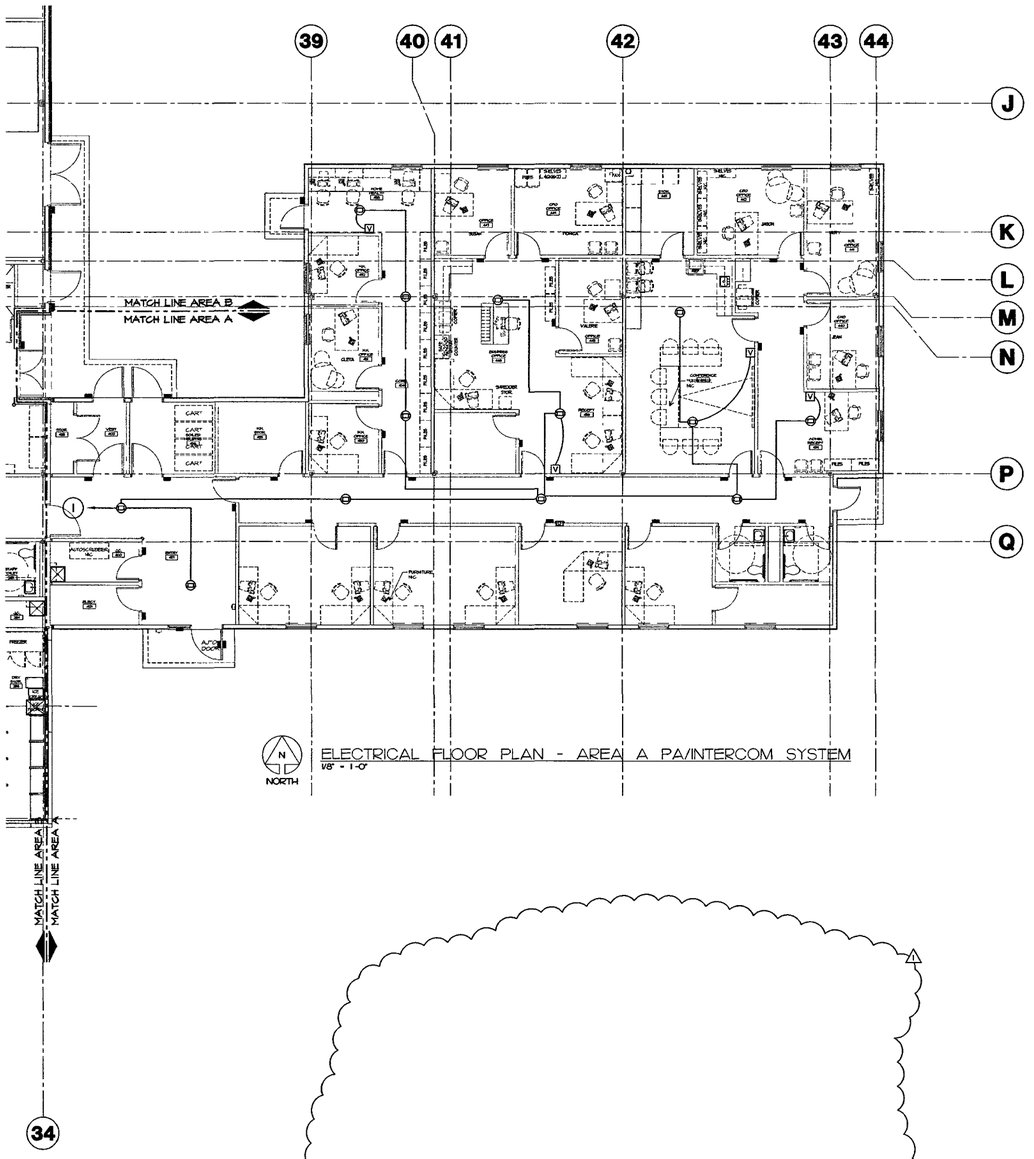
Nurse Call Floor Plan-Areas C & D



ELECTRICAL FLOOR PLAN - AREA A PA/INTERCOM SYSTEM
1/8" = 1'-0"

NORTH

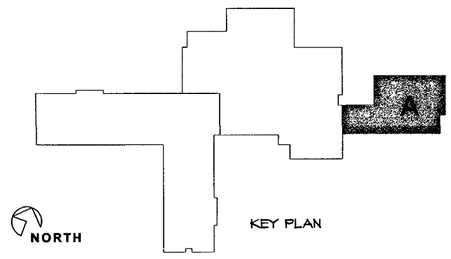
ALTERNATE No. 12
NOT USED

GENERAL NOTE:

1 NUMBER & SIZE OF CONDUCTORS & SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER

NOTES:

1 CONNECT TO PA/INTERCOM SYSTEM EQUIPMENT CABINET



KEY PLAN

AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033 00
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Checked By	BLSH

Revisions

Number	Date	Description
1	07-13-07	GMP Set

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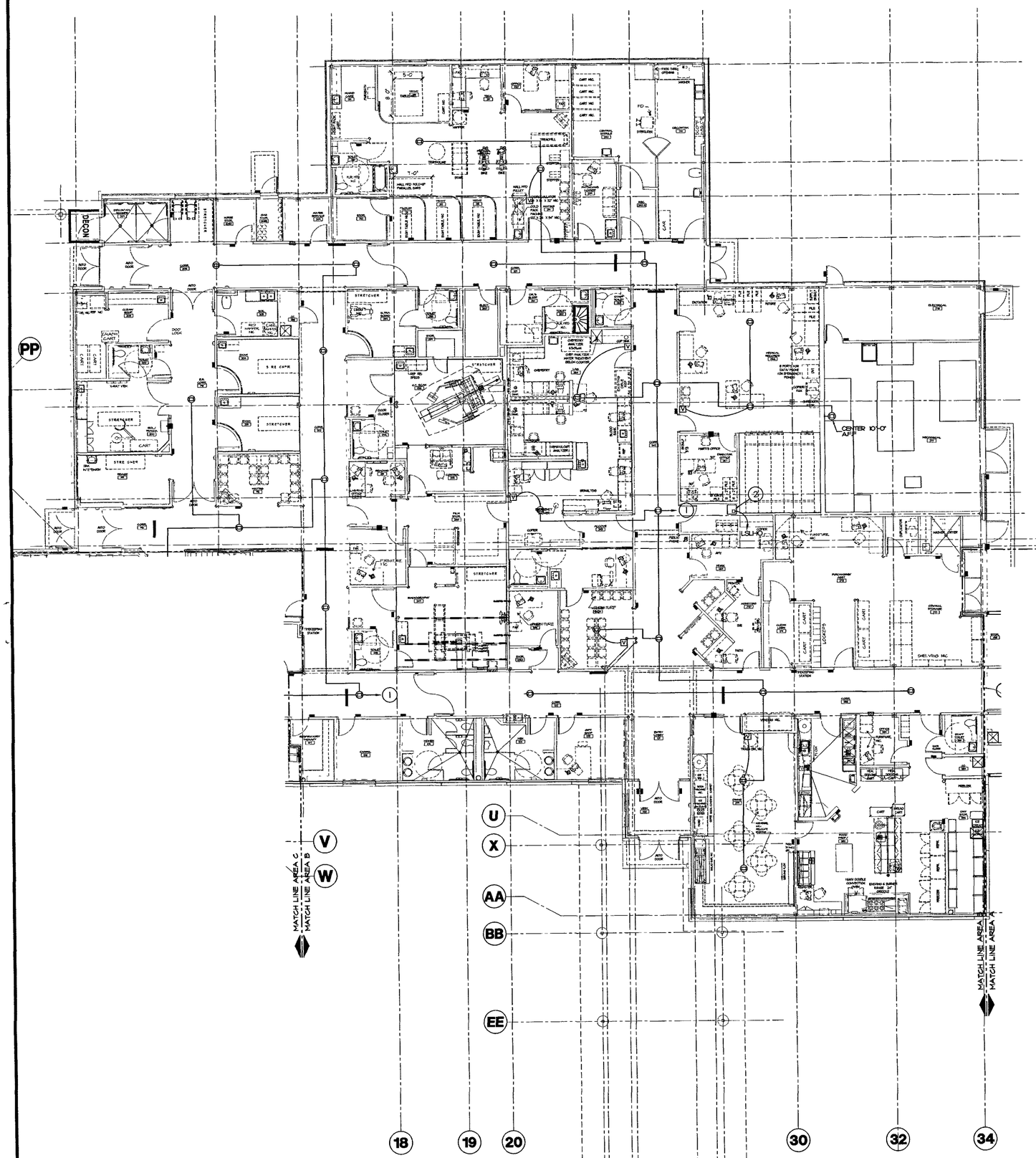
PA/Intercom Sys Plan-Areas A & A1



ELECTRICAL FLOOR PLAN - AREA B PA/INTERCOM SYSTEM

1/8" = 1'-0"

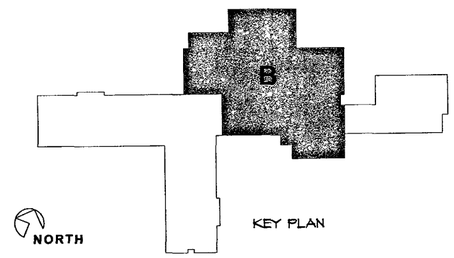
ALTERNATE No. 3
NOT USED

GENERAL NOTE:

1 NUMBER & SIZE OF CONDUCTORS & SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER

NOTES:

1. PA/INTERCOM SYSTEM SYSTEM EQUIPMENT CABINET
2. CONNECT TO PA/INTERCOM SYSTEM EQUIPMENT CABINET



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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

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Revisions

Number	Date	Description
1	07-13-07	GMP Set

E6.02

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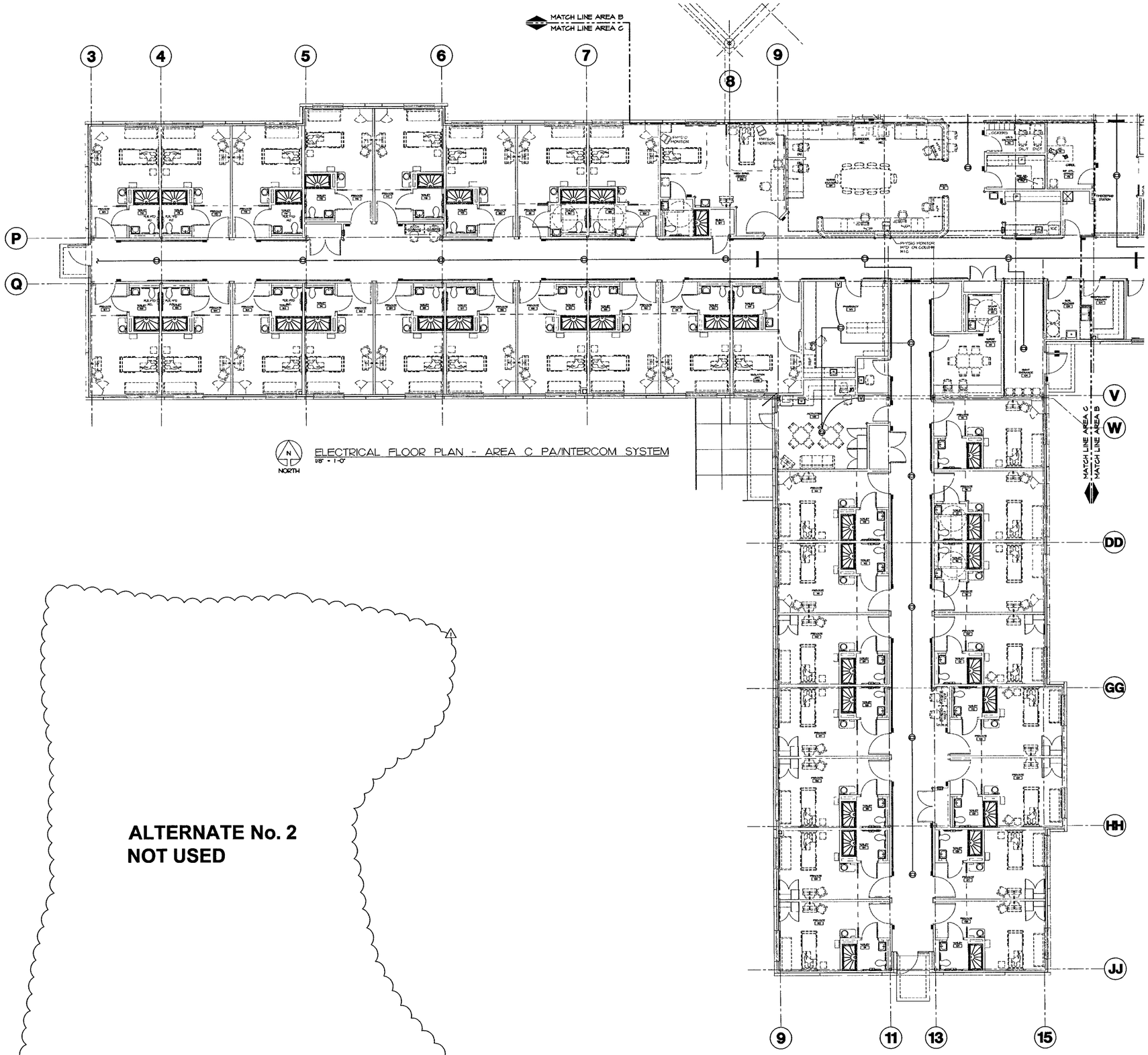
PA/Inter System Plan-Areas B&B1



ELECTRICAL FLOOR PLAN - AREA C PA/INTERCOM SYSTEM

1/8" = 1'-0"

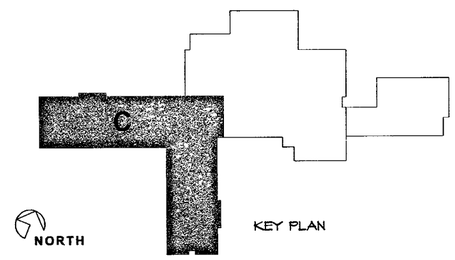
GENERAL NOTE:

1. NUMBER & SIZE OF CONDUCTORS & SIZE OF CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER

NOTES:

(1) CONNECT TO PA/INTERCOM SYSTEM EQUIPMENT CABINET

ALTERNATE No. 2
NOT USED



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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29, 2007
Job Number	4-06033 00
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Checked By	BLSH

Revisions

Number	Date	Description
1	07-13-07	GMP Set

E6.03

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PA/Intercom System-Areas C & D

TRANSFORMER SCHEDULE			
MARK	SIZE	SECONDARY *	GROUND *
1	15 KVA 480 VOLT TO 120/208 VOLT 3Ø 4W	4-#8 & 1-#8 GROUND IN 3/4" CONDUIT	1-#8 IN 1/2" CONDUIT
2	30 KVA 480 VOLT TO 120/208 VOLT 3Ø 4W	4-#2 & 1-#8 GROUND IN 1-1/4" CONDUIT	1-#8 IN 1/2" CONDUIT
3	45 KVA 480 VOLT TO 120/208 VOLT 3Ø 4W	4-#2/0 & 1-#4 GROUND IN 2" CONDUIT	1-#4 IN 1/2" CONDUIT
4	75 KVA 480 VOLT TO 120/208 VOLT 3Ø 4W	4-#250MCM & 1-#2 GROUND IN 2-1/2" CONDUIT	1-#2 IN 1/2" CONDUIT
5	112.5 KVA 480 VOLT TO 120/208 VOLT 3Ø 4W	4-#350MCM & 1-#2 GROUND IN 3" CONDUIT	1-#2 IN 1/2" CONDUIT
6	150 KVA 480 VOLT TO 120/208 VOLT 3Ø 4W	4-#500MCM & 1-#1/0 GROUND IN 3-1/2" CONDUIT	1-#1/0 IN 3/4" CONDUIT

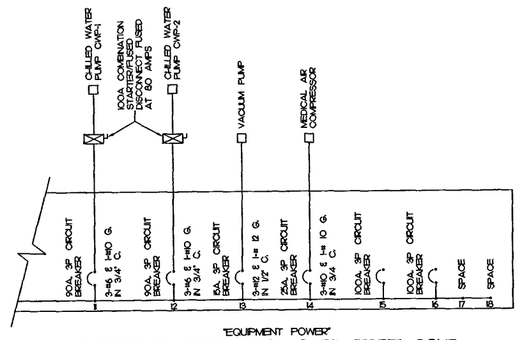
* WIRE SIZES UNLESS NOTED OTHERWISE ON ELECTRICAL RISER DIAGRAM

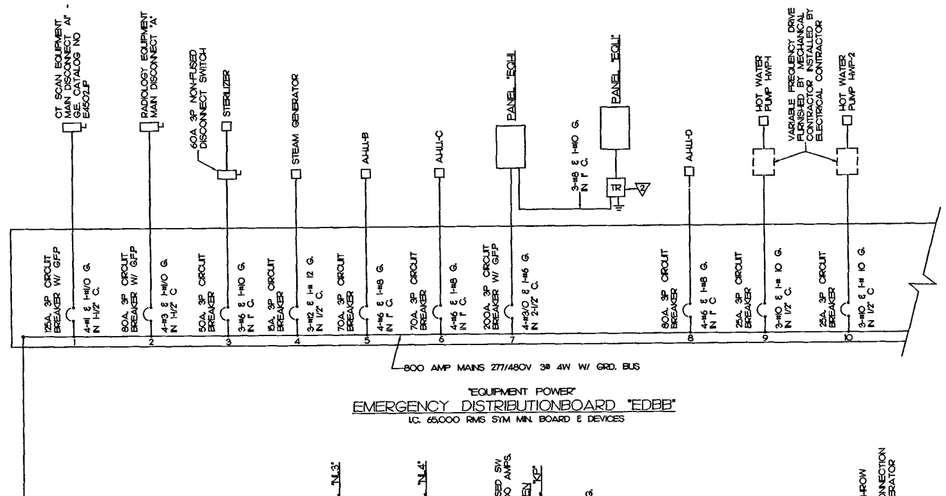
GENERAL NOTE:

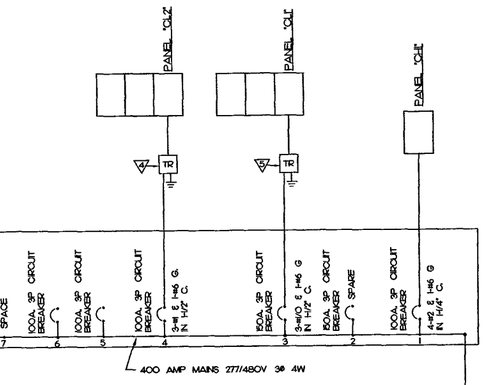
CONDUIT & SIZES SHOWN ON ELECTRICAL RISER DIAGRAM ARE BASED ON 75°C COPPER CONDUCTORS. REFER TO SPECIFICATION SECTION 16100 FOR CONTRACTOR'S OPTION FOR USE OF ALUMINUM CONDUCTORS.

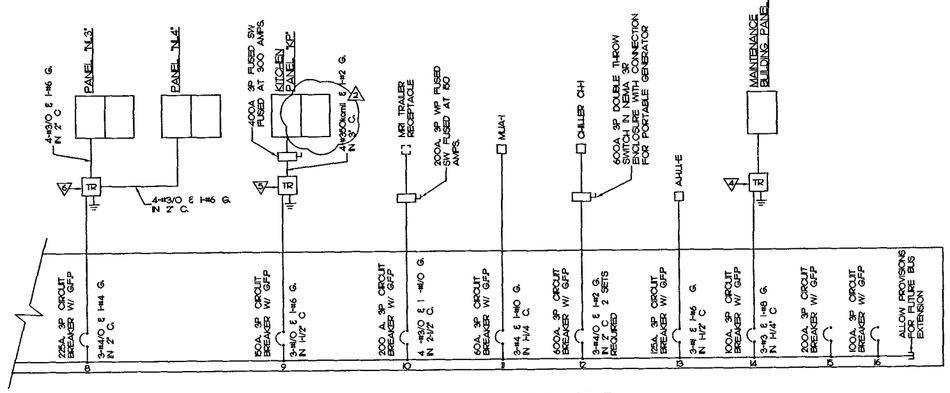
ELECTRICAL NOTES:

(1) AUTOMATIC TRANSFER SWITCH CONTROLS FOR PRIORITY SWITCHING. ROUGH-IN & CONNECT AS REQUIRED.









ELECTRICAL RISER DIAGRAM
NOT TO SCALE

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

AMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

Date	June 29 2007
Job Number	4-06033 00
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Revisions

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1	06-25-07	Addendum #1
2	07-13-07	GMP Set

E7.0

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Electrical Riser Diagram

PANELBOARD SCHEDULE - SECTION 1

PANEL NAME: CL1 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 400A — VOLTAGE: 120 / 208 — [300A] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 18,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
LAB RECEPTACLES	1.00			20/1	1	2	20/1	0.36			LAB RECEPTACLES
LAB RECEPTACLES		0.36		20/1	3	4	20/1		0.36		LAB RECEPTACLES
LAB RECEPTACLES			0.36	20/1	5	6	20/1			0.60	LAB RECEPTACLES
LAB REFRIGERATOR	0.70			20/1	7	8	20/1	0.60			LAB RECEPTACLES
RECEPTACLES		0.90		20/1	9	10	20/1		0.70		BLOOD BANK REFRIG.
FILM VIEWERS			0.50	20/1	11	12	20/1			0.60	LAB RECEPTACLES
C.T RECEPTACLES	0.36			20/1	13	14	20/1	0.18			LAB RECEPTACLE
C.T./RAD. RECEPTACLES		0.36		20/1	15	16	20/1		1.50		COPY MACHINE
RAD. RECEPTACLES			0.18	20/1	17	18	20/1				SPARE
SPARE				20/1	19	20	20/1	0.36			RECEPTACLES
COMM. RECEPTACLES		0.50		20/1	21	22	20/1		0.36		RECEPTACLES
COMM. RECEPTACLES			0.50	20/1	23	24	20/1			0.50	FILM VIEW/RECEPTACLE
TELEPHONE RECEPTACLE	1.00			20/1	25	26	20/1	0.36			RECEPTACLES
RECEPTACLES		0.36		20/1	27	28	20/1		0.36		RECEPTACLES
RECEPTACLES			0.36	20/1	29	30	20/1			0.54	RECEPTACLES
RECEPTACLES	0.36			20/1	31	32	20/1	1.80			SCOPE WASHER
RECEPTACLES		0.36		20/1	33	34	20/1		0.84		STERILIZER CONTROLS
					35	36	25/1				SPARE
					37	38					
					39	40					
					41	42	20/1				SPARE

SUBTOTAL KVA/PHASE: PHASE A 7.1 — PHASE B 7.0 — PHASE C 4.1
SUBTOTAL AMPS/PHASE: PHASE A 20 — PHASE B 19 — PHASE C 11
NOTES:

PANELBOARD SCHEDULE - SECTION 2

PANEL NUMBER: CL1 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 400A — VOLTAGE: 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 18,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
					43	44					
					45	46					
					47	48					
					49	50					
RTU-D LTS & RECEPTACLE		1.80		20/1	51	52					
RTU-E LTS & RECEPTACLE			1.80	20/1	53	54	20/1			0.36	RECEPTACLES
RTU-F LTS & RECEPTACLE	1.80			20/1	55	56	20/1	1.80			CRASH CART RECEPTACLE
EXHAUST FAN F-19		0.70		20/1	57	58	20/1		0.70		REFRIGERATOR
VAV BOX CONTROLS			1.80	20/1	59	60	20/1			0.50	PXTSIS RECEPTACLE
VAV BOX CONTROLS	1.80			20/1	61	62	20/1	1.20			RAD DIGITAL READER
VAV BOX CONTROLS		1.80		20/1	63	64	20/2		1.66		RAD. DIGITAL PRINTER
VAV BOX CONTROLS			1.80	20/1	65	66				1.66	
VAV BOX CONTROLS	1.80			20/1	67	68		3.66			
VAV BOX CONTROLS		1.80		20/1	69	70	35/3		3.66		WASHER/ STERILIZER
VAV BOX CONTROLS			1.80	20/1	71	72				3.66	
SPARE				20/1	73	74	20/1	0.36			LAB RECEPTACLES
SPARE				20/1	75	76	20/1		0.36		LAB RECEPTACLES
LAB RECEPTACLES			0.36	20/1	77	78	20/1			1.80	RECEPTACLES
LAB RECEPTACLES	0.36			20/1	79	80	20/1	1.80			RECEPTACLES
LAB RECEPTACLES		0.36		20/1	81	82	20/1		1.80		RECEPTACLES
LAB RECEPTACLES			0.36	20/1	83	84	20/1				SPARE

SUBTOTAL KVA/PHASE: PHASE A 14.58 — PHASE B 14.6 — PHASE C 15.90
SUBTOTAL AMPS/PHASE: PHASE A 40 — PHASE B 41 — PHASE C 44
NOTES:

PANELBOARD SCHEDULE - SECTION 3

PANEL NUMBER: CL1 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 400A — VOLTAGE: 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 18,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
DVI RECEPTACLE	1.20			20/1	85	86	20/1	0.75			LIGHTING
DVI RECEPTACLE		1.20		20/1	87	88					
DVI RECEPTACLE			1.20	20/1	89	90					
DVI RECEPTACLE	1.20			20/1	91	92					
SPARE				20/1	93	94					
SPARE				20/1	95	96					
					97	98					
					99	100					
					101	102					
					103	104					
					105	106					
					107	108					
					109	110					
					111	112					
					113	114					
					115	116					
					117	118					
					119	120					
					121	122					
					123	124					
					125	126					

TOTAL KVA/PHASE: PHASE A 24.81 — PHASE B 22.8 — PHASE C 21.24
TOTAL AMPS/PHASE: PHASE A 69 — PHASE B 63 — PHASE C 59
TOTAL CONNECTED LOAD (KVA): 68.8
TOTAL CONNECTED CURRENT (AMPS): 191
TOTAL DEMAND CURRENT (AMPS): 181
NOTES:

DISTRIBUTION BOARD "EDBB"

PANEL NAME: EDBB — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 800A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELECTRICAL 278 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 65,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
C.T SCAN EQUIPMENT	27.67	27.67	27.67	125/3	1	2	80/3	17.71	17.71	17.71	RAD. EQUIPMENT
STERILIZER	10.20	10.20	10.20	50/3	3	4	15/3	2.53	2.53	2.53	STEAM GENERATOR
AHU - B	11.40	11.40	11.40	70/3	5	6	70/3	11.40	11.40	11.40	AHU - C
PANEL EQH	16.64	14.31	12.84	200/3	7	8	80/3	12.40	12.40	12.40	AHU - D
H.W. PUMP HWP - 1	3.90	3.90	3.90	25/3	9	10	25/3	3.60	3.60	3.60	H.W. PUMP HWP - 2
C.W. PUMP CWP - 1	14.40	14.40	14.40	90/3	11	12	90/3	14.40	14.40	14.40	C.W. PUMP CWP - 2
VACUUM PUMP	2.10	2.10	2.10	15/3	13	14	25/3	3.90	3.90	3.90	MEDICAL AIR COMPRESSOR
SPARE				100/3	15	16	100/3				SPARE
SPACE					17	18					SPACE

TOTAL KVA/PHASE: PHASE A 152.2 — PHASE B 149.9 — PHASE C 148.4
TOTAL AMPS/PHASE: PHASE A 550 — PHASE B 541 — PHASE C 536
TOTAL CONNECTED LOAD (KVA): 450.6
TOTAL CONNECTED CURRENT (AMPS): 542
TOTAL DEMAND CURRENT (AMPS): 489
NOTES:

PANELBOARD SCHEDULE

PANEL NAME: LSH — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 22,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
LTG. EXAM/OFFICE	2.43			20/1	1	2	20/1	1.63			LTG. PAT WING
LTG. CORR/KITCHEN		2.98		20/1	3	4	20/1				SPARE
LTG. CORR/ER/PT			3.07	20/1	5	6	20/1				SPARE
LTG. FRONT CANOPY	0.76			20/1	7	8	70/3	6.60			TRANSFORMER
LTG. ER CANOPY		1.38		20/1	9	10			7.48		PANELBOARD LSLI
LTG. ER CANOPY			1.16	20/1	11	12				3.30	
LTG. CANOPY	0.61			20/1	13	14	20/1	1.00			LTG. EXTERIOR
SPARE				20/1	15	16					
SPARE				20/1	17	18					
SPARE				20/1	19	20					
SPARE				20/1	21	22					
SPARE				20/1	23	24					
SPARE				20/1	25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

TOTAL KVA/PHASE: PHASE A 13.0 — PHASE B 11.8 — PHASE C 7.5
TOTAL AMPS/PHASE: PHASE A 47 — PHASE B 43 — PHASE C 27
TOTAL CONNECTED LOAD (KVA): 32.4
TOTAL CONNECTED CURRENT (AMPS): 39
TOTAL DEMAND CURRENT (AMPS): 43
NOTES:

PANELBOARD SCHEDULE

PANEL NAME: LSLI — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225A — VOLTAGE: 120 / 208 — [150] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
POWER DOOR OPERATOR	1.00			20/1	1	2	20/1	1.00			POWER DOOR OPERATOR
POWER DOOR OPERATOR		1.00		20/1	3	4	20/1		1.00		POWER DOOR OPERATOR
POWER DOOR OPERATOR			1.00	20/1	5	6	20/1				SPARE
SPARE				20/1	7	8	20/1	1.00			FIRE ALARM PANEL
RECEPTACLE		0.18		20/1	9	10	20/1		1.00		PA/INTERCOM SYSTEM
SPARE				20/1	11	12	20/1			0.80	SD/FS DAMPERS
~~NITROUS OXIDE MANIFOLD~~	~~0.50~~			20/1	13	14	20/1	0.60			SD/FS DAMPERS
MEDICAL GAS ALARM PNL.		1.00		20/1	15	16	20/1		0.80		SD/FS DAMPERS
SPARE				20/1	17	18	20/1			1.50	EMER GEN BATTERY CHARG
SPARE				20/1	19	20	30/2	2.50			EMER GER COOLANT HTR
SPARE				20/1	21	22			2.50		
SPARE				20/1	23	24	20/1				SPARE
SPACE					25	26					SPACE
SPACE					27	28					SPACE
SPACE					29	30					SPACE
SPACE					31	32					SPACE
SPACE					33	34					SPACE
SPACE					35	36					SPACE
SPACE					37	38					SPACE
SPACE					39	40					SPACE
SPACE					41	42					SPACE

TOTAL KVA/PHASE: PHASE A 6.6 — PHASE B 7.5 — PHASE C 3.3
TOTAL AMPS/PHASE: PHASE A 55 — PHASE B 62 — PHASE C 28
TOTAL CONNECTED LOAD (KVA): 17.4
TOTAL CONNECTED CURRENT (AMPS): 48
TOTAL DEMAND CURRENT (AMPS): 53
NOTES:

PANELBOARD SCHEDULE

PANEL NAME: CH — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 100A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: J.C. 191 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
LTG. EXAM/OFFICE	0.40			20/1	1	2	20/1	2.65			LTG. PATIENT RMS
LTG. CT/STERILE		2.32		20/1	3	4	20/1		1.68		LTG. NURSE STN
LTG. ER			2.42	20/1	5	6	20/1			1.77	LTG. PATIENT RMS
SPARE				20/1	7	8	20/1	1.77			LTG. PATIENT RMS
SPARE				20/1	9	10	20/1				SPARE
SPARE				20/1	11	12	20/1				SPARE
LTG. MAIN ELECTRICAL RM.	0.24			20/1	13	14	20/1				SPARE
SPARE				20/1	15	16	20/1				SPARE
SPARE				20/1	17	18	20/1				SPARE
					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

TOTAL KVA/PHASE: PHASE A 5.1 — PHASE B 4.0 — PHASE C 4.2
TOTAL AMPS/PHASE: PHASE A 18 — PHASE B 14 — PHASE C 15
TOTAL CONNECTED LOAD (KVA): 13.3
TOTAL CONNECTED CURRENT (AMPS): 16
TOTAL DEMAND CURRENT (AMPS): 20
NOTES:

MAIN SWITCHBOARD "MSB"

PANEL NAME: MSB — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 2500A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 278 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 65,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
EMERGENCY DISTRIBUTION BOARD "EDBB"	152	150	148	1200/3	1	2	500/3	47	43	42	EMERGENCY DISTRIBUTION BOARD "EDBA"
PANEL "LSH"	13	12	8	150/3	3	4	200/3	18	18	18	PANEL "NH"
PANEL "NHZ"	23	19	20	200/3	5	6	100/3	10	11	11	PANEL "NL"
PANEL "NL2"	18	17	19	100/3	7	8	225/3	29	39	37	PANEL "NL3"&"NL4"
PANEL "KP"	25	26	25	150/3	9	10	200/3	33	33	33	MRI TRAILER
MUA-1	14	14	14	60/3	11	12	600/3	123	123	123	CHILLER "CH-1"
AHU - E	18	18	18	125/3	13	14	100/3	13	11	11	MAINTENANCE BUILDING PANEL
SPARE				200/3	15	16	100/3				SPARE
SPARE				100/3	17	18	100/3				SPARE

TOTAL KVA/PHASE: PHASE A 534.8 — PHASE B 534.9 — PHASE C 525.0
TOTAL AMPS/PHASE: PHASE A 1931 — PHASE B 1931 — PHASE C 1895
TOTAL CONNECTED LOAD (KVA): 1595
TOTAL CONNECTED CURRENT (AMPS): 1918
TOTAL DEMAND CURRENT (AMPS): 1863
NOTES: MAIN CIRCUIT BREAKER SHALL BE 100% RATED AND FURNISHED WITH GROUND FAULT PROTECTION

MAIN EMERGENCY DISTRIBUTION BOARD "MEDB"

PANEL NAME: MEDB — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 1000A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 278 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 65,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
PANEL "LSH"	13.83	12.64	8.53	150/3	1	2	400 /3	48.74	45.07	42.81	EMERGENCY DISTRIBUTION BOARD "EDBA"
EMERGENCY DISTRIBUTION BOARD "EDBB"	152	150	148	800/3	3	4					SPACE

TOTAL KVA/PHASE: PHASE A 214.8 — PHASE B 207.6 — PHASE C 199.8
TOTAL AMPS/PHASE: PHASE A 775 — PHASE B 750 — PHASE C 721
TOTAL CONNECTED LOAD (KVA): 622.2
TOTAL CONNECTED CURRENT (AMPS): 748
TOTAL DEMAND CURRENT (AMPS): 748
NOTES:

DISTRIBUTION BOARD "EDBA"

PANEL NAME: EDBA — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 400A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 278 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 65,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
PANEL CH	5.06	4.00	4.18	100/3	1	2	150/3				SPARE
PANEL CL1	24.81	22.80	21.24	150/3	3	4	100/3	17.07	16.48	16.38	PANEL CL2
SPACE					5	6					SPACE
SPACE					7	8					SPACE

TOTAL KVA/PHASE: PHASE A 46.9 — PHASE B 43.3 — PHASE C 41.8
TOTAL AMPS/PHASE: PHASE A 169 — PHASE B 156 — PHASE C 151
TOTAL CONNECTED LOAD (KVA): 132.0
TOTAL CONNECTED CURRENT (AMPS): 159
TOTAL DEMAND CURRENT (AMPS): 141
NOTES:

Disclaimer of Responsibility

I hereby specify that the documents intended to be authenticated by my seal are limited to drawings and specifications containing my seal with signature and date, and I hereby disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date: June 29, 2007
Job Number: 4-06033 00
Drawn By: BKT
Checked By: BLSH

Revisions

Number	Date	
1	06-01-07	Addendum #2
2	07-13-07	GMP Set

E7.1

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Panelboard Schedules

PANELBOARD SCHEDULE

PANEL NAME: NJ — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225A — VOLTAGE: 120 / 208 — 225A MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 401/417 — PHASE: 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 AMPS RMS SYM — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		RECEPTACLES	LOB			20/1	1 2	20/1				RECEPTACLES		
		RECEPTACLES		0.54		20/1	3 4	20/1		LOB		RECEPTACLES		
		RECEPTACLES			0.90	20/1	5 6	20/1			0.36	RECEPTACLES		
		RECEPTACLES	0.72			20/1	7 8	20/1	0.72			RECEPTACLES		
		RECEPTACLES		0.90		20/1	9 10	20/1		0.90		RECEPTACLES		
		RECEPTACLES			1.50	20/1	11 12	20/1			0.72	RECEPTACLES		
		RECEPTACLES	0.36			20/1	13 14	20/1	0.72			RECEPTACLES		
		RECEPTACLES		0.90		20/1	15 16	20/1		0.90		RECEPTACLES		
		RECEPTACLES			0.90	20/1	17 18	20/1			0.90	RECEPTACLES		
		RECEPTACLES	0.36			20/1	19 20	30/1	LOO			RECEPTACLES		
		RECEPTACLES		0.36		20/1	21 22	20/1		1.50		COPY MACHINE		
		RECEPTACLES			0.72	20/1	23 24	20/1			LOO	RECEPTACLES		
		RECEPTACLES	LOO			20/1	25 26	20/1	0.72			RECEPTACLES		
		REFRIGERATOR		0.80		20/1	27 28	20/1		0.90		RECEPTACLES		
		MICROWAVE			1.50	20/1	29 30	20/1			3.90	RECEPTACLES		
		CONDENSING UNIT	1.95			15/2	31 32	20/1	0.36			RECEPTACLES		
				1.95			33 34	20/1				SPARE		
		EXHAUST FAN			0.70	20/1	35 36	20/1				SPARE		
		AIR HANDLING UNIT	0.10			15/2	37 38	20/1				SPARE		
				0.10			39 40	20/1				SPARE		
		ROOF RECEPTACLES			0.54	20/1	41 42	20/1				SPARE		

	PHASE A	PHASE B	PHASE C
TOTAL KVA/PHASE:	9.6	10.2	10.6
TOTAL AMPS/PHASE:	80	85	89

TOTAL CONNECTED LOAD (KVA): 30.4
TOTAL CONNECTED CURRENT (AMPS): 84
TOTAL DEMAND CURRENT (AMPS): 68

NOTES:

PANELBOARD SCHEDULE

PANEL NAME: EQU — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 100A — VOLTAGE: 120 / 208 — 100A MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: MECH 277 — PHASE: 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 10,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		EXHAUST FAN F-9	1.85			20/1	1 2	20/1				GLYCOL PUMP RECEPTACLE		
		EXHAUST FAN F-7		1.85		20/1	3 4	20/1		0.69		EXHAUST FAN F-8		
		MOTORIZED DAMPERS			0.50	20/1	5 6	20/1			0.86	EXHAUST FAN F-14		
		BOILER CONTROLS	1.56			20/1	7 8	20/1	0.96			STEAM GENERATOR CONT		
		BOILER CONTROLS		1.56		20/1	9 10	20/1		0.50		UNIT HEATERS		
		CONTROL PANELS			1.00	20/1	11 12	20/2			1.12	FREEZER		
		FUTURE BOILER CONTROLS	1.56			20/1	13 14		1.12					
		SPARE				20/1	15 16	20/2		1.12		FREEZER		
		SPARE				20/1	17 18				1.12			
		SPARE				20/1	19 20	20/1	1.02			REFRIGERATOR		
		SPARE				20/1	21 22	20/1		1.02		REFRIGERATOR		
		SPARE				20/1	23 24							
		SPARE				20/1	25 26							
							27 28							
							29 30							
							31 32							
							33 34							
							35 36							
							37 38							
							39 40							
							41 42							

	PHASE A	PHASE B	PHASE C
TOTAL KVA/PHASE:	8.4	6.1	4.6
TOTAL AMPS/PHASE:	70	51	38

TOTAL CONNECTED LOAD (KVA): 19.1
TOTAL CONNECTED CURRENT (AMPS): 53
TOTAL DEMAND CURRENT (AMPS): 54

NOTES:

PANELBOARD SCHEDULE

PANEL NAME: NH — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225A — VOLTAGE: 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 417 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 25000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
			4.84				1	2	2.76			LIGHTING ADMINISTRATION		
		RTU-H		4.84		25/3	3	4	20/1	2.24		EXEC. BUSINESS OFFICE		
					4.84		5	6	20/1			SPARE		
			4.84				7	8	20/1			SPARE		
		RTU-2		4.84		25/3	9	10	20/1			SPARE		
					4.84		11	12	20/1		2.32	LIGHTING A CORRIDOR		
			3.96				13	14	20/1			SPARE		
		RTU-3		3.96		20/3	15	16	20/1			SPARE		
					3.96		17	18	20/1			SPARE		
		SPACE					19	20	20/1			SPARE		
		SPACE					21	22	20/1			SPARE		
		SPACE					23	24	20/1			SPARE		
		SPACE					25	26						
		SPACE					27	28						
		SPACE					29	30						
		SPACE					31	32						
		SPACE					33	34						
		SPACE					35	36						
		SPACE					37	38						
		CABINET UNIT HEATER	1.67			5/3	39	40						
				1.67			41	42						

	PHASE A	PHASE B	PHASE C
TOTAL KVA/PHASE:	15.1	15.0	17.6
TOTAL AMPS/PHASE:	65	65	64

TOTAL CONNECTED LOAD (KVA): 53.7
TOTAL CONNECTED CURRENT (AMPS): 65
TOTAL DEMAND CURRENT (AMPS): 67

NOTES:

PANELBOARD SCHEDULE - SECTION 1

PANEL NAME: CL2 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225 A — VOLTAGE: 120 / 208 — 225A MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 12 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	A	KVA B	C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	A	KVA B	C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
3		PATIENT RM. RECEPTACLES	0.36			20/1	1	2						
3		PATIENT RM. RECEPTACLES		0.18		20/1	3	4		0.36				
3		PATIENT RM. RECEPTACLES			0.36	20/1	5	6			0.18			
3		PATIENT RM. RECEPTACLES	0.18			20/1	7	8		0.36				
3		PATIENT RM. RECEPTACLES		0.36		20/1	9	10			0.18			
3		PATIENT RM. RECEPTACLES	0.36			20/1	11	12			0.36			
3		PATIENT RM. RECEPTACLES		0.18		20/1	13	14		0.18				
3		PATIENT RM. RECEPTACLES	0.36			20/1	15	16			0.36			
3		PATIENT RM. RECEPTACLES		0.18		20/1	17	18						
3		PATIENT RM. RECEPTACLES	0.18			20/1	19	20		0.36				
3		PATIENT RM. RECEPTACLES	0.36			20/1	21	22		0.18				
3		PATIENT RM. RECEPTACLES		0.18		20/1	23	24			0.36			
3		PATIENT RM. RECEPTACLES	0.36			20/1	25	26		0.18				
3		PATIENT RM. RECEPTACLES		0.18		20/1	27	28			0.36			
3		PATIENT RM. RECEPTACLES			0.36	20/1	29	30			0.18			
3		PATIENT RM. RECEPTACLES	0.18			20/1	31	32		0.36				
3		PATIENT RM. RECEPTACLES		0.36		20/1	33	34			0.18			
3		PATIENT RM. RECEPTACLES			0.18	20/1	35	36			0.36			
3		PATIENT RM. RECEPTACLES	0.36			20/1	37	38		0.18				
3		PATIENT RM. RECEPTACLES		0.18		20/1	39	40			0.36			
3		PATIENT RM. RECEPTACLES			0.18	20/1	41	42						

	PHASE A	PHASE B	PHASE C
SUBTOTAL KVA/PHASE:	3.8	3.8	3.8
SUBTOTAL AMPS/PHASE:	10	10	10

NOTES:

PANELBOARD SCHEDULE - SECTION 2

PANEL NUMBER: CL2 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225 A — VOLTAGE: 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 12 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	A	KVA B	C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	A	KVA B	C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		PATIENT RM. RECEPTACLES	0.18			20/1	43	44	0.36					
		PATIENT RM. RECEPTACLES		0.18		20/1	45	46		0.18				
		PATIENT RM. RECEPTACLES	0.36			20/1	47	48			0.36			
		PATIENT RM. RECEPTACLES		0.18		20/1	49	50	0.18					
		PATIENT RM. RECEPTACLES	0.18			20/1	51	52		0.36				
		PATIENT RM. RECEPTACLES		0.36		20/1	53	54			0.18			
		PATIENT RM. RECEPTACLES	0.18			20/1	55	56	0.36					
		PATIENT RM. RECEPTACLES	0.36			20/1	57	58		0.18				
		PATIENT RM. RECEPTACLES		0.18		20/1	59	60			0.36			
		PATIENT RM. RECEPTACLES			0.36	20/1	61	62			0.18			
		PATIENT RM. RECEPTACLES	0.18			20/1	63	64	0.36					
		PATIENT RM. RECEPTACLES		0.36		20/1	65	66		0.54				
		PATIENT RM. RECEPTACLES	0.18			20/1	67	68	0.36					
		PATIENT RM. RECEPTACLES		0.54		20/1	69	70			0.72			
		PATIENT RM. RECEPTACLES	0.36			20/1	71	72		0.50				
		PATIENT RM. RECEPTACLES			0.54	20/1	73	74			0.54			
		RECEPTACLES		0.54		20/1	75	76			0.90			
		RECEPTACLES	0.18			20/1	77	78	1.80					
		REFRIGERATOR		0.70		20/1	79	80		0.36				
		REFRIGERATOR			0.18	20/1	81	82			0.54			

	PHASE A	PHASE B	PHASE C
SUBTOTAL KVA/PHASE:	5.24	5.4	5.94
SUBTOTAL AMPS/PHASE:	15	15	15

NOTES:

PANELBOARD SCHEDULE - SECTION 3

PANEL NUMBER: CL2 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225 A — VOLTAGE: 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 12 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	A	KVA B	C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	A	KVA B	C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		RECEPTACLES	0.36			20/1	85	86	0.36			RECEPTACLES		
		RECEPTACLES		0.36		20/1	87	88		0.36		RECEPTACLES		
		OBSTRUCTION LIGHTS			0.90	20/1	89	90			1.00	ICE MACHINE		
		HELIPAD LIGHTS	0.99			20/1	91	92	1.80			VAV BOX CONTROLS		
		GUY WIRE OBSTRUC. LIGHTS		0.20		20/1	93	94		1.80		VAV BOX CONTROLS		
		WING SIGNAL LIGHTS			0.36	20/1	95	96			1.80	VAV BOX CONTROLS		
		RECEPTACLE	1.00			20/1	97	98	1.80			VAV BOX CONTROLS		
		RECEPTACLE		1.00		20/1	99	100		1.80		VAV BOX CONTROLS		
		NURSE CALL			1.00	20/1	101	102			1.80	VAV BOX CONTROLS		
		SPARE				20/1	103	104	1.80			VAV BOX CONTROLS		
		SPARE				20/1	105	106		1.80		VAV BOX CONTROLS		
		SPARE				20/1	107	108						
		SPARE				20/1	109	110						
		SPARE				20/1	111	112						
		SPARE				20/1	113	114						
							115	116						
							117	118						
							119	120						
							121	122						
							123	124						
							125	126						

	PHASE A	PHASE B	PHASE C
TOTAL KVA/PHASE:	17.07	16.5	16.38
TOTAL AMPS/PHASE:	47	46	45

TOTAL CONNECTED LOAD (KVA): 49.9
TOTAL CONNECTED CURRENT (AMPS): 139
TOTAL DEMAND CURRENT (AMPS): 85

NOTES:

PANELBOARD SCHEDULE - SECTION 1

PANEL NAME: NL2 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225 A — VOLTAGE: 120 / 208 — 225 A MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	A	KVA B	C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	A	KVA B	C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		RECEPTACLES	0.72			20/1	1	2	0.36			RECEPTACLES		
		COLD PACK RECEPTACLE		1.00		20/1	3	4			0.36	RECEPTACLES		
		HYDROCOOLATOR			1.00	20/1	5	6	20/1			0.36	RECEPTACLES	
		RECEPTACLE	0.18			20/1	7	8	30/2	1.66			TREADMILL RECEPTACLE	
		RECEPTACLE		0.18		20/1	9	10			1.66			
		RECEPTACLE			0.18	20/1	11	12	20/1			0.72	RECEPTACLES	
		RECEPTACLES	0.90			20/1	13	14	20/1	0.50			RECEPTACLE	
		RECEPTACLES		0.54		20/1	15	16	20/1		0.90		RECEPTACLES	
		RECEPTACLES			0.90	20/1	17	18	20/1				SPARE	
		RECEPTACLES	1.08			20/1	19	20	30/1	0.90			RECEPTACLES	
		RECEPTACLES		0.72		20/1	21	22	20/1		1.08		RECEPTACLES	
		ULTRA SOUND			1.92	20/1	23	24	20/1			1.44	RECEPTACLES	
		DRINKING FOUNTAIN	0.50			20/1	25	26	20/1	0.54			RECEPTACLES	
		DRINKING FOUNTAIN		0.50		20/1	27	28	20/1		0.72		RECEPTACLES	
		RECEPTACLES			1.08	20/1	29	30	20/1			0.72	RECEPTACLES	
		RECEPTACLES	0.54			20/1	31	32	20/1	1.08			RECEPTACLES	
		RECEPTACLES		0.36		20/1	33	34	20/1		0.72		RECEPTACLES	
		COPY MACHINE			1.50	20/1	35	36	20/1			0.54	RECEPTACLES	
		RECEPTACLES	0.54			20/1	37	38	20/1	1.50			VENDING RECEPTACLE	
		RECEPTACLES		0.90		20/1	39	40	20/1		1.50		COPY RECEPTACLE	
		COPY MACHINE			1.50	20/1	41	42	20/1			0.72	RECEPTACLES	

	PHASE A	PHASE B	PHASE C
SUBTOTAL KVA/PHASE:	11	11	13
SUBTOTAL AMPS/PHASE:	92	90	105

NOTES:

PANELBOARD SCHEDULE - SECTION 2

PANEL NUMBER: NL2 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225 A — VOLTAGE: 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 260 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE: 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	A	KVA B	C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	A	KVA B	C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		RECEPTACLES	0.60			20/1	43	44	0.72			RECEPTACLES		
		COPY MACHINE		1.50		20/1	45	46	20/1		0.54	RECEPTACLES		
		WASHING MACHINE			1.50	20/1	47	48	20/1			0.72	RECEPTACLES	
		DRYER	2.50			30/2	49	50	20/1	1.08			RECEPTACLES	
				2.50			51	52	20/1		0.72		RECEPTACLES	
		RECEPTACLES			0.72	20/1	53	54	20/1			0.90	RECEPTACLES	
		SPARE				20/1	55	56	20/1	0.60			HOT WATER HEATER	
		SPARE				20/1	57	58	20/1		0.60		HOT WATER HEATER	
							59	60	30/1			1.92	H. W. CIRC PUMP	
							61	62	20/1	0.70			H. W. CIRC PUMP	
							63	64	20/1		0.50		WATER SOFTENER	
							65	66	20/1			0.36	RECEPTACLES	
							67	68	20/1	0.68			LIGHTING	
							69	70	20/1				SPARE	
							71	72	20/1				SPARE	
							73	74	20/1				SPARE	
							75	76	20/1				SPARE	
							77	78	20/1				SPARE	
							79	80						
							81	82						
							83	84						

	PHASE A	PHASE B	PHASE C
TOTAL KVA/PHASE:	17.85	17.1	18.70
TOTAL AMPS/PHASE:	149	145	156

TOTAL CONNECTED LOAD (KVA): 53.65
TOTAL CONNECTED CURRENT (AMPS): 149
TOTAL DEMAND CURRENT (AMPS): 128

NOTES:

PANELBOARD SCHEDULE

PANEL NAME: N.3 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 200A — VOLTAGE: 120 / 208 — 200A MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 12 — PHASE: 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 30,000 RMS SYM AMPS — WIRE: 4 — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		PATIENT RM. RECEPTACLES	0.66			20/1	1	2	20/1					
		PATIENT RM. RECEPTACLES		1.00		20/1	3	4	20/1	0.66				
		PATIENT RM. RECEPTACLES			1.00	20/1	5	6	20/1		1.00			
		PATIENT RM. RECEPTACLES	0.66			20/1	7	8	20/1	0.66				
		PATIENT RM. RECEPTACLES		1.00		20/1	9	10	20/1		1.00			
		PATIENT RM. RECEPTACLES			1.00	20/1	11	12	20/1			1.00		
		PATIENT RM. RECEPTACLES	0.66			20/1	13	14	20/1	0.66				
		PATIENT RM. RECEPTACLES		1.00		20/1	15	16	20/1		1.00			
		PATIENT RM. RECEPTACLES			1.00	20/1	17	18	20/1			1.00		
		PATIENT RM. RECEPTACLES	0.66			20/1	19	20	20/1	0.66				
		PATIENT RM. RECEPTACLES		1.00		20/1	21	22	20/1		1.00			
		PATIENT RM. RECEPTACLES			1.00	20/1	23	24	20/1			1.00		
		PATIENT RM. RECEPTACLES	0.66			20/1	25	26	20/1	0.66				
		PATIENT RM. RECEPTACLES		1.00		20/1	27	28	20/1		1.00			
		PATIENT RM. RECEPTACLES			1.00	20/1	29	30	20/1			1.00		
		PATIENT RM. RECEPTACLES	0.66			20/1	31	32	20/1	0.66				
		PATIENT RM. RECEPTACLES		1.00		20/1	33	34	20/1		1.00			
		PATIENT RM. RECEPTACLES			1.00	20/1	35	36	20/1			1.00		
		PATIENT RM. RECEPTACLES	0.66			20/1	37	38	20/1	0.66				
		PATIENT RM. RECEPTACLES		1.00		20/1	39	40	20/1		1.00			
		PATIENT RM. RECEPTACLES			1.00	20/1	41	42	20/1			1.00		

	PHASE A	PHASE B	PHASE C
SUBTOTAL KVA/PHASE:	9	8	8
SUBTOTAL AMPS/PHASE:	77	67	65

NOTES:

PANELBOARD SCHEDULE - SECTION 2

PANEL NUMBER: N.3 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 200A — VOLTAGE: 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 12 — PHASE: 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 30,000 RMS SYM AMPS — WIRE: 4 — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

REV NO.	NOTE NO.	CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION	NOTE NO.	REV NO.
		RECEPTACLES	0.72			20/1	43	44	0.66			PATIENT RM. RECEPTACLES		
		RECEPTACLES		0.36		20/1	45	46	20/1		1.00	PATIENT RM. RECEPTACLES		
		RECEPTACLES	0.54			20/1	47	48	20/1	1.00		PATIENT RM. RECEPTACLES		
		RECEPTACLES		1.08		20/1	49	50	20/1		0.46	RECEPTACLES		
		RECEPTACLES			0.54	20/1	51	52	20/1		0.78	RECEPTACLES		
		RECEPTACLES				20/1	53	54	20/1			0.36	LTG. GIFT SHOP	
		SPARE				20/1	55	56	20/1				SPARE	
		SPARE				20/1	57	58	20/1				SPARE	
		SPARE				20/1	59	60	20/1				SPARE	
							61	62						
							63	64						
							65	66						
							67	68						
							69	70						
							71	72						
							73	74						
							75	76						
							77	78						
							79	80						
							81	82						
							83	84						

	PHASE A	PHASE B	PHASE C
TOTAL KVA/PHASE:	2.28	1.72	1.39
TOTAL AMPS/PHASE:	102	144	137

TOTAL CONNECTED LOAD (KVA): 45.79
TOTAL CONNECTED CURRENT

PANELBOARD SCHEDULE

PANEL NAME: NH2 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225A — VOLTAGE 277 / 480 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: J.C. 191 — PHASE 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 20,000 RMS SYM AMPS — WIRE 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
SITE LIGHTING	2.50			20/1	1	2	20/1	2.64			LTG, LTG. KITCHEN
SITE LIGHTING		3.00		20/1	3	4	20/1		2.32		LTG, PURCHASING
SITE LIGHTING			2.90	20/1	5	6	20/1			1.44	LTG, MED RECORDS
SITE LIGHTING	2.58			20/1	7	8	20/1	0.96			LTG, DINING
SIGN LIGHTING		4.16		20/1	9	10	20/1		2.47		LTG, PHYS THERAPY
SIGN LIGHTING			4.16	20/1	11	12	20/1			1.24	LTG, LOBBY
SIGN LIGHTING	4.16			20/1	13	14	20/1	2.32			LTG, RADIOLOGY
SITE, FLAG, BLDG. LIGHTING		1.39		20/1	15	16	20/1		1.40		LTG, CT
LTG, PATIENT ROOMS			2.60	20/1	17	18	20/1			1.52	LTG, CORR.
LTG, PATIENT ROOMS	2.60			20/1	19	20	20/1	1.58			LTG, CORR/RR
LTG, PATIENT ROOMS		2.30		20/1	21	22	20/1				SPARE
LTG, PATIENT ROOMS			2.60	20/1	23	24	20/1			2.28	LTG, CORR
LTG, PATIENT ROOMS	2.60			20/1	25	26	20/1	0.80			LTG, MECH. ROOM
LTG, PATIENT ROOMS		1.73		20/1	27	28	20/1		0.56		LTG, EXT SPOTS
LTG, PATIENT ROOMS			1.58	20/1	29	30	20/1				SPARE
SPARE				20/1	31	32	20/1				SPARE
SPARE				20/1	33	34	20/1				SPARE
SPARE				20/1	35	36	20/1				SPARE
SPARE				20/1	37	38					
SPARE				20/1	39	40					
SPARE				20/1	41	42					

TOTAL KVA/PHASE:	PHASE A 22.7	PHASE B 19.3	PHASE C 20.3
TOTAL AMPS/PHASE:	PHASE A 82	PHASE B 70	PHASE C 73

TOTAL CONNECTED LOAD (KVA):	62.4
TOTAL CONNECTED CURRENT (AMPS):	75
TOTAL DEMAND CURRENT (AMPS):	94

NOTES:

PANELBOARD SCHEDULE - SECTION 1

PANEL NAME: KP — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 400 A — VOLTAGE 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [ ] SURFACE MOUNT
PANEL LOCATION: FOOD/PREP 282 — PHASE 3 — [X] MAIN LUGS ONLY — [X] FLUSH MOUNT
I.C. RATING: 18,000 RMS SYM AMPS — WIRE 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
	6.60				1	2	20/1	0.18			RECEPTACLES
DISHWASHER		6.60		70/3	3	4	20/1		0.90		RECEPTACLES
			6.60		5	6	20/1			0.96	MIXER RECEPTACLE
	5.00				7	8	20/1	1.00			RECEPTACLE
BOOSTER HEATER		5.00		60/3	9	10	20/1		1.00		RECEPTACLE
			5.00		11	12	20/1			0.72	RECEPTACLES
	0.82				13	14	20/1	1.00			RECEPTACLE
DISPOSAL		0.82		15/3	15	16	20/1		0.30		SLICER RECEPTACLE
			0.82		17	18	20/1			0.72	COOKING EQUIP CONTROLS
FOOD CART RECEPTACLE	1.33			20/2	19	20	20/1	1.00			RECEPTACLE
		1.33			21	22	20/1		1.80		SODA MACHINE
SERVE CART RECEPTACLE			1.33	20/2	23	24	20/1			1.80	ICE TEA MACHINE
	1.33				25	26	20/1	0.50			HOOD FIRE SUPP PANEL
ICE MACHINE		1.33		30/2	27	28	20/1		1.18		EXHAUST FAN F-10
			1.33		29	30	20/1			0.53	EXHAUST FAN F-12
COFFEE MAKER	1.67			20/2	31	32	20/1	1.50			MICROWAVE
		1.67			33	34	20/1		1.50		TOASTER
KITCHEN HOOD LIGHTS			0.50	20/1	35	36	20/1			1.80	ICE MACHINE
	1.32				37	38	20/1	1.50			TOASTER
EXHAUST FAN F-11		1.32		20/3	39	40	20/1		1.50		MICROWAVE
			1.32		41	42	20/1			1.50	ICE CREAM FREEZER

SUBTOTAL KVA/PHASE:	PHASE A 25	PHASE B 26	PHASE C 25
SUBTOTAL AMPS/PHASE:	PHASE A 206	PHASE B 219	PHASE C 208

NOTES:

PANELBOARD SCHEDULE - SECTION 2

PANEL NUMBER: KP — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 400 A — VOLTAGE 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: FOOD/PREP 282 — PHASE 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 18,000 RMS SYM AMPS — WIRE 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
	0.58				43	44	20/1	0.72			SOAP INJECTORS
DISPOSAL		0.58		15/3	45	46	20/1				SPARE
			0.58		47	48	20/1				SPARE
	1.67				49	50	20/1				SPARE
HOTWELL RECEPTACLE		1.67		20/3	51	52	20/1				SPARE
			1.67		53	54	20/1				SPARE
	0.43				55	56					SPACE
DISPOSAL		0.43		15/3	57	58					SPACE
			0.43		59	60					SPACE
	2.87				61	62					SPACE
FOOD CART RECEPTACLE		2.87		30/3	63	64					SPACE
			2.87		65	66					SPACE
SPACE					67	68					SPACE
SPACE					69	70					SPACE
SPACE					71	72					SPACE
					73	74					
					75	76					
					77	78					
					79	80					
					81	82					
					83	84					

TOTAL KVA/PHASE:	PHASE A 31.02	PHASE B 31.8	PHASE C 30.48
TOTAL AMPS/PHASE:	PHASE A 259	PHASE B 265	PHASE C 254

TOTAL CONNECTED LOAD (KVA):	93.30
TOTAL CONNECTED CURRENT (AMPS):	259
TOTAL DEMAND CURRENT (AMPS):	212

NOTES:

PANELBOARD SCHEDULE - SECTION 1

PANEL NAME: NL4 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 200A — VOLTAGE 120 / 208 — [200A] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 112 — PHASE 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 20,000 RMS SYM AMPS — WIRE 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [X] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
PATIENT RM. RECEPTACLES	0.84			20/1	1	2	20/1	0.36			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	3	4	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	5	6	20/1			0.66	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	7	8	20/1	1.00			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	9	10	20/1		0.72		RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	11	12	20/1			0.36	RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	13	14	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	15	16	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	17	18	20/1			1.00	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	19	20	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	21	22	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	23	24	20/1			1.00	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	25	26	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	27	28	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	29	30	20/1			1.00	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	31	32	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	33	34	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	35	36	20/1			1.00	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	37	38	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	39	40	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	41	42	20/1			1.00	PATIENT RM. RECEPTACLES

SUBTOTAL KVA/PHASE:	PHASE A 9	PHASE B 14	PHASE C 13
SUBTOTAL AMPS/PHASE:	PHASE A 79	PHASE B 114	PHASE C 109

NOTES:

PANELBOARD SCHEDULE - SECTION 2

PANEL NUMBER: NL4 — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 200A — VOLTAGE 120 / 208 — [ ] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: ELEC 112 — PHASE 3 — [X] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 20,000 RMS SYM AMPS — WIRE 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
PATIENT RM. RECEPTACLES	0.66			20/1	43	44	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	45	46	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	47	48	20/1			1.00	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	49	50	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	51	52	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	53	54	20/1			1.00	PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES	0.66			20/1	55	56	20/1	0.66			PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES		1.00		20/1	57	58	20/1		1.00		PATIENT RM. RECEPTACLES
PATIENT RM. RECEPTACLES			1.00	20/1	59	60	20/1			1.00	PATIENT RM. RECEPTACLES
RECEPTACLES	0.54			20/1	61	62	20/1	1.00			RECEPTACLE
RECEPTACLES		0.72		20/1	63	64	20/1		0.72		RECEPTACLES
RECEPTACLES			0.80	20/1	65	66	20/1			0.36	RECEPTACLES
RECEPTACLE	1.00			20/1	67	68	20/1	0.50			RECEPTACLE
REFRIGERATOR		0.72		20/1	69	70					
SPARE				20/1	71	72					
SPARE				20/1	73	74					
SPARE				20/1	75	76					
SPARE				20/1	77	78					
SPARE				20/1	79	80					
SPARE				20/1	81	82					
SPARE				20/1	83	84					

TOTAL KVA/PHASE:	PHASE A 16.46	PHASE B 21.9	PHASE C 20.18
TOTAL AMPS/PHASE:	PHASE A 137	PHASE B 182	PHASE C 168

TOTAL CONNECTED LOAD (KVA):	58.52
TOTAL CONNECTED CURRENT (AMPS):	162
TOTAL DEMAND CURRENT (AMPS):	96

NOTES:

PANELBOARD SCHEDULE

PANEL NAME: MP — PROJECT: SAYRE MEMORIAL HOSPITAL
BUS AMP RATING: 225A — VOLTAGE 120 / 208 — [225] MAIN CIRCUIT BREAKER — [X] SURFACE MOUNT
PANEL LOCATION: MAINTENANCE BLDG. — PHASE 3 — [ ] MAIN LUGS ONLY — [ ] FLUSH MOUNT
I.C. RATING: 14,000 RMS SYM AMPS — WIRE 4 — [ ] SUB FEED LUGS — [X] SINGLE NEUTRAL BUS
[X] GROUND BUS — [ ] FEED THROUGH LUGS — [ ] DOUBLE NEUTRAL BUS

CIRCUIT DESCRIPTION	KVA A	KVA B	KVA C	DEVICE AMP/POLE	CIRCUIT NUMBER	CIRCUIT NUMBER	DEVICE AMP/POLE	KVA A	KVA B	KVA C	CIRCUIT DESCRIPTION
	3.33				1	2	20/1	0.89			LIGHTING
UNIT HEATER		3.33		40/3	3	4	20/1		1.10		LIGHTING
			3.33		5	6	20/1			1.18	OVERHEAD DOOR
	3.33				7	8	20/1	1.46			LIGHT/FAN/HEATER
UNIT HEATER		3.33		40/3	9	10	20/1		0.50		LIGHTS/RECEPTACLE
			3.33		11	12	20/1			1.18	EXHAUST FAN
PTAC RECEPTACLE	2.91			30/2	13	14	20/1				SPARE
		2.91			15	16	20/1				SPARE
HW HEATER			1.50	20/2	17	18	20/1				SPARE
	1.50				19	20	20/1				SPARE
SPACE					21	22	20/1				SPARE
SPACE					23	24	20/1				SPARE
SPACE					25	26					SPACE
SPACE					27	28					SPACE
SPACE					29	30					SPACE
SPACE					31	32					SPACE
SPACE					33	34					SPACE
SPACE					35	36					SPACE
SPACE					37	38					SPACE
SPACE					39	40					SPACE
SPACE					41	42					SPACE

TOTAL KVA/PHASE:	PHASE A 13.4	PHASE B 11.2	PHASE C 10.5
TOTAL AMPS/PHASE:	PHASE A 112	PHASE B 93	PHASE C 88

TOTAL CONNECTED LOAD (KVA):	35.1
TOTAL CONNECTED CURRENT (AMPS):	97
TOTAL DEMAND CURRENT (AMPS):	99

NOTES:

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REGISTERED PROFESSIONAL ENGINEER 21861 7/13/07

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AMMENDED BID DOCUMENTS FOR CONSTRUCTION 7/13/07

SAYRE MEMORIAL HOSPITAL
SAYRE, OKLAHOMA

Date	June 29 2007
Job Number	4-06033 00
Drawn By	BKT
Checked By	BLSH

Revisions

Number	Date	Description
1	05-25-07	Addendum #1
2	06-01-07	Addendum #2

E7.3

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Panelboard Schedules

Light Fixture Schedule

Type Letter	Fixture Type	Mounting	Lamps	Description / Light Control	Manufacturer/Catalog #	Watts/Volts	Notes	Approved Equivalents	Revision Number
A	Fluorescent 2 x 4 Direct/Indirect Troffer	Recessed in Grid or Gyp Ceiling	2 lamp F32 T8 3500 K	White Perforated Round Bottom Diffuser	Williams DIG-S24-232-WPR-EB2-277	80/277		Metalux Lithonia Day-Brite	
B	Fluorescent 2 x 4 Acrylic Lens Troffer	Recessed in Grid or Gyp Ceiling	4 lamp F32 T8 3500 K	Acrylic Prismatic Lens (#12 Pattern, 125 thick) Flat Steel Door	Williams 50G-S24-432-SA12125-EB2/2-277	160/277		Metalux Lithonia Day-Brite	
C	Compact Fluorescent Downlight	Recessed in Grid or Gyp Ceiling	1 lamp 32W Triple Tube 3500K	Self-Flanged Aluminum Reflector w/ Semi-Specular/Low Indescent Finish	Infinity PV60-132T-EB-GX24q-3-277	40/277	1	Portfolio Lithonia Omega	
C1	OMITTED								1
C2	Compact Fluorescent Shower Light	Recessed in Grid or Gyp. Ceiling	1 lamp 26W Triple Tube 3500K	6" Aperture Albalite Lens White Trim Ring Wet Location Listed	Halo H286HPL-70PS	33/277			
C3	Compact Fluorescent Wall Wash Downlight	Recessed in Grid or Gyp. Ceiling	1 lamp 32W Triple Tube 3500K	Self-Flanged Aluminum Reflector w/ Semi-Specular/Low Indescent Finish Wall Wash Trim	Infinity PV60-132T-EB-GX24q-3-WW-277	40/277		Portfolio Lithonia Omega	
C4	Compact Fluorescent Downlight	Recessed in Grid or Gyp Ceiling	1 lamp 42W Triple Tube 3500K	Self-Flanged Aluminum Reflector w/ Semi-Specular/Low Iridescent Finish	Infinity PV60-142T-EB-GX24q-4-277	53/277	1	Portfolio Lithonia Omega	
D	Fluorescent Bed Light	Wall Surface	4 lamp F32 T8 3500 K	High-Impact-Resistant Clear Ribbed Acrylic	Vista Ag3624-4-4(L)(R)(C)-T8EL-UNV-MW	160/277	4,11		
F	Incandescent Track Head	Monorail	1 Lamp 50W MR-16 Constant Color 40 Degree Flood	Aimable Swivel Head Satin Nickel Finish	LBL Lighting HBMR16-SC-01-1A-50-MRL	50/120	5,6,7	Bruck	
G	Fluorescent 2 x 4 Acrylic Lens Troffer	Recessed in Grid or Gyp. Ceiling	3 lamp F32 T8 3500 K	Acrylic Prismatic Lens (#12 Pattern, 125 thick) Flat Steel Door	Williams 50G-S24-332-SA12125-EB1/2-277	120/277		Metalux Lithonia Day-Brite	
H	Incandescent Downlight	Recessed in Grid or Gyp. Ceiling	1 Lamp 150W A21	6" Diameter Aperture Semi-Specular Low Iridescent Reflector Self Flanged	Infinity A60-150-A21IF/MED-120	150/120		Portfolio Lithonia Omega	
J	Fluorescent 2 x 4 Acrylic Lens Troffer	Recessed in Grid or Gyp Ceiling	2 lamp F32 T8 3500 K	Acrylic Prismatic Lens (#12 Pattern 125 thick) Flat Steel Door	Williams 50G-S24-232-SA12125-EB1/2-277	80/277		Metalux Lithonia Day-Brite	
J1	Fluorescent 2 x 4 Acrylic Lens Troffer	Recessed in Grid or Gyp. Ceiling	2 lamp F32 T8 3500 K	Acrylic Prismatic Lens (#12 Pattern, 125 thick) Flat Steel Door UL Wet Location Listed	Williams EPF-S24-232-RA12125-WET-EB2-277	80/277		Lithonia	
K	Fluorescent Under Cabinet Lighting	Surface	2 Lamp 8W T5	Slim Fluorescent Under Cabinet Strip Light White Acrylic Diffuser	Columbia UCS24-108-PH-120-WSW	20/120		Lithonia	
L	Fluorescent Parabolic Perimeter Light	Recessed in Grid or Gyp Ceiling	1 lamp F32 T8 3500 K	Recessed Perimeter Parabolic Louver Semi-Specular Finish Field Verify Row Length	Alera AL-1T8P-RLD-EB8277-S	40 per 4 ft/ 277		Lithonia	
M	Fluorescent 1X4 Acrylic Lens	Surface	2 Lamp F32 T8 3500K	Acrylic Prismatic Lens Flat Steel Door	Williams 17-4-232-A-EB2-277	80/277		Metalux Lithonia Day-Brite	
M1	OMITTED								1
N	Fluorescent Linear Pendant	Pendant	4 Lamp F32 T8 3500 K	8' Suspended Direct/Indirect Perforated Housing Matte Satin White Dimming Ballast	Focal Point FV2S-PS-2T8-1C-277-D-C24-LB35-WH-8'	160/277		Peerlite	
P	OMITTED								1
Q	Fluorescent 2 x 2 Parabolic Louver	Recessed in Grid or Gyp. Ceiling	3 lamp 40W Triple Tube 3500K	3" Deep Parabolic Louver Semi-Specular Low Iridescent Finish White Housing	Williams U3-G-D22-340TT-33S-EB3-277	150/277		Metalux Lithonia Day-Brite	
Q1	Fluorescent 2 x 4 Parabolic Louver	Recessed in Grid or Gyp. Ceiling	3 lamp F32 T8 3500K	3" Deep Parabolic Louver Semi-Specular Low Indescent Finish White Housing	Williams SU3-24-332-36S-EB3-277	120/277		Metalux Lithonia Day-Brite	
R	Fluorescent 2 x 2 Acrylic Lens Troffer	Recessed in Grid or Gyp Ceiling	2 lamp 40W Triple Tube 3500K	Acrylic Prismatic Lens (#12 Pattern, 125 thick) Flat Steel Door	Williams 50G-S22-240TT-SA12125-EB2-277	100/277		Metalux Lithonia Day-Brite	
S	OMITTED								1
S1	Single Head Metal Halide	Pole USA Catalog No RNTS-124-11-1-MBM-RBC	1 Lamp MVR250/U	Round Spun Aluminum Housing w/ One Piece Door Frame Semi-Specular Hydroformer Reflector w/ Clear Tempered Glass Lens	USA Architectural Lighting RSB25-III-250MH-MT-1-MBM	313/277		Lithonia	
S2	Twin Head Metal Halide	Pole USA Catalog No RNTS-255-11-2-180-MBM-RBC	2 Lamp MVR400/U/ED28	Round Spun Aluminum Housing w/ One Piece Door Frame Semi-Specular Hydroformer Reflector w/ Clear Tempered Glass Lens	USA Architectural Lighting - Two (2) RSB25-IV-400MH-MT-1-MBM	1000/277		Lithonia	
S4	Single Head Metal Halide	Pole USA Catalog No. RNTS-255-11-1-MBM-RBC	1 Lamp MVR400/U/ED28	Round Spun Aluminum Housing w/ One Piece Door Frame Semi-Specular Hydroformer Reflector w/ Clear Tempered Glass Lens	USA Architectural Lighting RSB25-II-400MH-MT-1-MBM	500/277		Lithonia	
S5	Twin Head Metal Halide	Pole USA Catalog No. RNTS-255-11-2-180-MBM-RBC	2 Lamp MVR400/U/ED28	Round Spun Aluminum Housing w/ One Piece Door Frame Semi-Specular Hydroformer Reflector w/ Clear Tempered Glass Lens	USA Architectural Lighting - Two (2) RSB25-II-400MH-MT-1-MBM	1000/277		Lithonia	
S6	Single Head Metal Halide	Pole USA Catalog No. RNTS-255-11-1-MBM-RBC	1 Lamp MVR400/U/ED28	Round Spun Aluminum Housing w/ One Piece Door Frame Semi-Specular Hydroformer Reflector w/ Clear Tempered Glass Lens	USA Architectural Lighting RSB25-II-400MH-MT-1-MBM	500/277		Lithonia	
S7	Metal Halide Bollard	Ground	1 Lamp MXR100/U/MED	Round Precast Concrete w/ Cast Aluminum Louver w/ Internal Clear Acrylic Lens	USA Architectural Lighting BRC18-CL-100MH-MT-MBM-NT	125/277		Visionaire	
S8	In-Ground Metal Halide Floodlight	Recessed/Ground	1 Lamp MXR100/U/MED	Accent Spot Distribution w/ Bronze Housing & Lens Ring Fully Gasketed Wet Location Listed	Kim LTV710/SP/100MH/277	125/277		Hydrel	
S9	In-ground Metal Halide Flood Light	Recessed/Ground	1 Lamp 150W Pulse Start Metal Halide	Direct Burial Floodlight Aluminum Above-Grade Housing Narrow Flood Beam Distribution	Kim DBF14/150PMH277/DB-P	188/277			1
T	OMITTED								
T1	OMITTED								1
U	Compact Fluorescent Night Light	Recessed/Wall	1 Lamp 13 W PL 3500K	Recessed Louvered Step Light With Integral Hospital Grade Receptacle	Vista AgF26-1L6-277V-MW	17/277	4,9		
V	Fluorescent Wall Sconce	Surface/Wall	1 Lamp F17 T8 3500K	2' Wall Bracket Acrylic Lens White Housing Downlight only	Williams 29-2-117-A-CT-EB81-277	22/277	4		
V1	Incandescent Wall Sconce	Wall Surface	2 Lamp 40W Inc.	Incandescent Wall Sconce ADA compliant Silver Finish	LBL Lighting JW6021S2401	80/120	4		
V2	Fluorescent Wall Sconce	Surface/Wall	1 Lamp F32 T8 3500K	4 Wall Bracket Acrylic Lens White Housing Downlight only	Williams 29-4-132-A-CT-EB81-277	40/277	4		
V3	LED "In Use" Light	Surface/ Wall	L.E.D.	Thermoplastic Housing Polycarbonate Illuminated Face Panel "In Use" Silk Screen	Vista TSL-1-SL016-RED	5/277	5		
V4	Fluorescent Emergency Wall Sconce	Surface/ Wall	2 Lamp 26 W Quad Tube 3500K		Gardco 101FT-(2)26QF-277	65/277	1,2		
V5	Compact Fluorescent Indirect	Surface mounted on Top of Column	2 Lamp 42 W Quad Tube 3500K	Assymmetrical Uplight Clear Anodized Reflector Without Cutoff Visor	Elliptipar F162-H242-S-2-00-2-0	95/277			
X	L.E.D Exit Sign	As Required See Plans and Schedule Notes	L.E.D	Edge Lit LED Exit Sign Red Letters	Infinity EXIT/EL-XX-G	5/277	3	Sure Lites McPhilben	
Y	Fluorescent Pendant	Pendant	7 Lamp (6) BX55 T5 HO 3500K (1) 38W 2D	33" Diameter Pendant Specular Hammertone Aluminum Reflector with Downlight Component	LiteControl P-ID-3360BX55/382D FP-TCWM-ELB-WL-277SC/P6	460/277	10		
Z	Fluorescent Indirect	Surface mounted on Beam/Girder	1 Lamp 55W T5 HO 3500K	Assymmetrical Uplight Clear Anodized Reflector Without Cutoff Visor	Elliptipar F164-T155-H-2-00-0	70/277	1		

General Notes:

A. FIXTURES MOUNTING HEIGHTS ARE INDICATED IN THIS SCHEDULE FLOOR PLAN "SPECIFIC NOTES" OVERRIDE THIS SCHEDULE.
B. SEE ARCHITECTURAL PLANS DETAILS, AND ELECTRICAL DRAWINGS FOR ADDITIONAL OR OVERRIDING MOUNTING AND LOCATION INFORMATION
C. ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND COMPATIBILITY PRIOR TO RELEASING ORDERS
D. PROVIDE BALLAST FOR DUAL CIRCUITRY FOR FIXTURES WHEN INDICATED ON FLOOR PLANS.
E. ALL FIXTURES HOUSING PAINT FINISHES TO BE AFTER FABRICATION

Specific Notes:

1 Provide fluorescent cold weather ballast for fixtures on the exterior of the building.
2 Fixture mounting heights to be at consistent heights
3 Provide single face/double face, arrows, and mounting as indicated on floor plans Wall mounted fixtures to be above door lintel at consistent heights.
4 See Architectural plans, details and elevations for mounting height and locations
5 Wall mount fixture above top of door frame.
6 Provide transformer for low voltage fixtures where required Mount in accessible location
7 Fixture must be compatible with other types of heads mounted to the same track.
8 Track shall be 12 volt cable system consisting of two conductive copper cable. Track shall be of same manufacturer as track heads Track shall be "Fusion Monorail" as manufactured by LBL Lighting or other approved manufacturer as listed under fixture type Electrical Contractor shall provide transformer mounting brackets live end connectors, supports, adapters, etc. from a single manfacturer to form a complete and functional installation
9 Light fixture portion of fixture shall be separately circuited from the receptacle portion of the fixture
10 Total suspension length shall be 7'-6"
11 4-position pull chain shall be on the side (left or right) of fixute nearest the entry door into patient room Light fixtures located in Pre-op & Recovery shall be located in the center

SUBSTITUTION NOTE. The Lighting design for this project is based upon the manufacturers specified. If an additional substitution is desired by the Contractor, a substitution request submittal must be provided as follows:
S1 Substitution Requests must be received by the Engineer in writing, 14 days prior to Bid Failure to submit constitutes a quarantee to supply the Specified Fixtures
S2 Information is to be supplied companing photometry, (w/floor plans indicating point by point calculations) dimensions, material composition, finish, visual appearance as well as the "Contractor Net" pricing. Samples are to provided upon request.

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REGISTERED PROFESSIONAL ENGINEER BARBARA L. HOPPAS 21861 7/13/07

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SAYRE MEMORIAL HOSPITAL

SAYRE, OKLAHOMA

Date	June 29 200?
Job Number	4-06033 0?
Drawn By	CW/BK
Checked By	BLS

Revisions

Number	Date	Description
1	07-13-07	GMP Set

E8.0

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Light Fixture Schedule