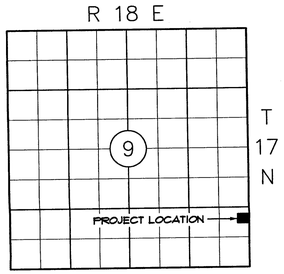
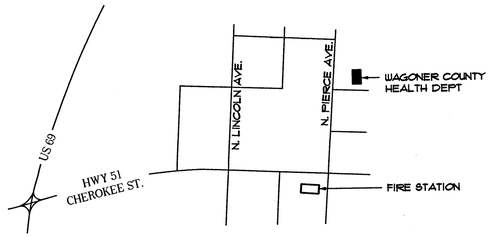
WAGONER COUNTY HEALTH DEPARTMENT RENOVATION 2011

WAGONER, OKLAHOMA



LOCATION MAP
Wagoner, Oklahoma



ENLARGED MAP
Wagoner, Oklahoma

LEGAL DESCRIPTION

LOTS 4 AND 5, BLOCK 281, CITY OF WAGONER, WAGONER COUNTY, STATE OF OKLAHOMA. ACCORDING TO THE RECORDED PLAT THEREOF.

PHYSICAL ADDRESS

212 N. PIERCE AVE. WAGONER, OK 74467

PROJECT DATA

TYPE OF CONSTRUCTION :	2B
OCCUPANCY CLASSIFICATION :	B
NUMBER OF STORIES:	1
OCCUPANCY LOAD 1/100 GROSS:	95
SPRINKLER SYSTEM (NEW):	YES
FIRE ALARM :	YES
TOTAL AREA:	9,494 SQ. FT.
PARKING REQ'D 1/300 GROSS:	32 SPACES
PARKING PROVIDED:	36 STANDARD
HANDICAP REQ'D (1):	2 HANDICAP
TOTAL PARKING SHOWN:	38 SPACES

DRAWING INDEX

1 OF 14	CVR	PROJECT DATA / DRAWING INDEX
2 OF 14	S-1	SITE / GRADING PLAN
3 OF 14	S-2	FOUNDATION PLAN
4 OF 14	S-3	ROOF FRAMING / STRUCTURAL PLAN
5 OF 14	S-4	SAFE ROOM PLAN
6 OF 14	A-1	DEMO / FLOORPLAN / SCHEDULES
7 OF 14	A-2	ELEVATIONS
8 OF 14	A-3	WALL SECTIONS
9 OF 14	A-4	INTERIOR ELEV / MILLWORK
10 OF 14	A-5	MILLWORK PLANS
11 OF 14	E1.1	ELECTRICAL PLAN
12 OF 14	E2.1	ELECTRICAL PLAN
13 OF 14	M1.1	HVAC PLAN
14 OF 14	M2.1	PLUMBING PLAN

GENERAL NOTES & DESIGN DATA

STRUCTURAL DESIGN CRITERIA

INTERNATIONAL BUILDING CODE - IBC 2006
AMERICAN CONCRETE INSTITUTE - ACI - 318 - 89
AMERICAN INSTITUTE OF STEEL CONSTRUCTION - NINTH EDITION

DESIGN LOADS

ROOF LOAD: (SNOW LOAD = 10 PSF)
MINIMUM - (LIVE LOAD) ..... 20 PSF
WIND LOAD (ON VERT. PROJECTIONS) - ASCE-7 ..... 90 MPH
SOIL BEARING PRESSURES - PER KLEINFELDER REPORT #07695 (12/7/2009)
STRUCTURAL FILL (OR EXISTING APPROVED FILL) ..... 2500 PSF
SEISMIC ZONE 1 (PER IBC 2006), IMPORTANCE FACTOR 1.25, SITE CLASS D

MATERIAL STRENGTHS

CONCRETE (MIN. COMPRESSIVE STRENGTH AT 28 DAYS)
EXTERIOR WORK - (5% AIR ENTRAINED) ..... 3500 PSI
FOUNDATIONS, SLABS ON GRADE ..... 3000 PSI
REINFORCING STEEL ASTM 615
PRINCIPAL BARS ..... GRADE 60
TIES, STIRRUPS, #3 BARS ..... GRADE 40
STRUCTURAL - STEEL (ROLLED SECTIONS) A992
STRUCTURAL - STEEL (ANGLES, PLATES, CHANNELS) A36

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO LAY OUT AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.
2. CONTRACTOR SHALL COORDINATE ALL TRADE REQUIREMENTS AND REPORT CONFLICTS IMMEDIATELY IF FOUND. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONAL DATA AND LOCATIONS OF ALL OPENINGS FOR EQUIPMENT.
3. CONSTRUCTION OF BUILDING PAD SHALL MEET REQUIREMENTS OF KLEINFELDER REPORT #07695 (12/7/2009). RECOMPACT OR FURNISH FILL 18" MIN. DEPTH BELOW DRAINAGE FILL.

CONCRETE CONSTRUCTION

1. DETAIL PLACEMENT DRAWINGS SHALL BE FURNISHED FOR ALL REBAR. UNLESS NOTED, SPLICE BARS 32 DIAMETERS.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318 AND ACI 301 REQUIREMENTS AND RECOMMENDATIONS.
3. FURNISH CORNER BARS IN ALL FOOTINGS TO MATCH HORIZONTAL REINFORCING. EXTEND 40 DIAMETERS IN EACH DIRECTION.

STEEL CONSTRUCTION

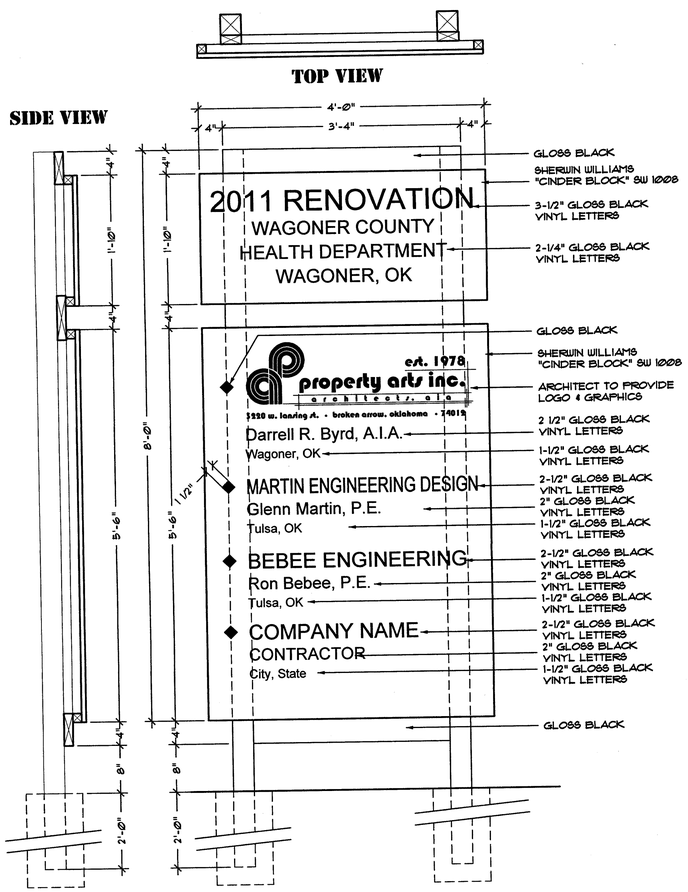
1. APPROVAL DRAWINGS INDICATING ERECTION DETAILS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION OR SETTING OF ANCHOR BOLTS.
2. DESIGN, FABRICATION, AND ERECTION OF STEEL SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
3. LINTELS FOR BRICK SHALL BE 3-1/2X3-1/2X5/16 STEEL ANGLE TO 4'-0" CLEAR AND 5X3-1/2X5/16 STEEL ANGLE FOR OPENINGS TO 6'-4" MAX. SEE ELEVATIONS AND DETAILS FOR ADDITIONAL SIZES USED.

LIGHT GAUGE METAL FRAMING

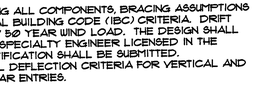
1. REFER TO SPECIFICATIONS SECTION 05400 FOR MATERIAL AND INSTALLATION REQUIREMENTS NOT COVERED BY THESE NOTES.
2. THE FRAMING SYSTEM SHALL BE COMPATIBLE WITH TECHNICAL INFORMATION FURNISHED BY MAJOR STEEL FRAMING SUPPLIERS (UNIMAST, DIETRICH, CLARK, ETC) FURNISH AND INSTALL ALL ACCESSORY MATERIALS (BRIDGING, CLIPS, SCREWS, ETC.) NEEDED TO COMPLETE THE INSTALLATION.
3. FURNISH DETAILED SUBMITTAL NOTING ALL MATERIALS, SIZES, GAUGES, SECTION PROPERTIES, LOAD TABLES, ETC.
4. FRAMING CONNECTIONS MAY BE WELDED OR SCREWED. LOAD CARRYING CAPACITY MUST BE DEVELOPED EACH END. FURNISH MANUFACTURER'S RECOMMENDED ALLOWABLE VALUES OR PER UNIMAST TABULATED VALUES FOR SCREWS, WELDS, AND AND POWER DRIVEN FASTENERS, AS DETERMINED BY MATERIAL THICKNESS, DIAMETERS, TYPE OF LOAD, ETC.

PRE-ENGINEERED METAL BUILDING

1. SUBMIT COMPLETE FABRICATION AND ERECTION DRAWINGS ALL COMPONENTS OF THE BUILDING.
2. CLEARLY INDICATE ALL DESIGN CRITERIA, FINAL FORCES (REACTIONS) ON THE FOUNDATION.
3. SUBMIT STRUCTURAL CALCULATIONS NOTING ALL COMPONENTS, BRACING ASSUMPTIONS AND DEFLECTIONS TO MEET INTERNATIONAL BUILDING CODE (IBC) CRITERIA. DRIFT SHALL NOT EXCEED H/120 AT THE EAVE W/ 50 YEAR WIND LOAD. THE DESIGN SHALL BE SIGNED, DATED AND SEALED BY THE SPECIALTY ENGINEER LICENSED IN THE STATE OF OKLAHOMA. A LETTER OF CERTIFICATION SHALL BE SUBMITTED.
4. SEE BUILDING DRAWINGS FOR ADDITIONAL DEFLECTION CRITERIA FOR VERTICAL AND HORIZONTAL DEFLECTIONS AT FRAMES NEAR ENTRIES.



2 PROJECT SIGN DETAIL
SCALE: N.T.S. (1) SIGN REQ'D



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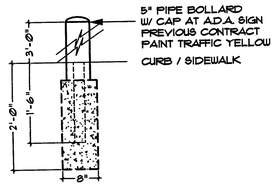
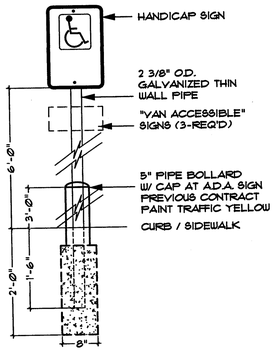
GENERAL CONTRACTOR WILL NOTIFY OKIE WHEN SERVICES ARE REQUIRED. COORDINATE THE NEED FOR THIS SERVICE WITH LOCAL UTILITY PROVIDER AND OWNER.

JOB	A1115
DATE	02.01.12
SHEET NUMBER	CVR



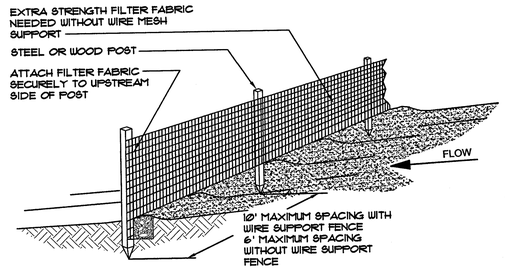
5 PIPE BOLLARD

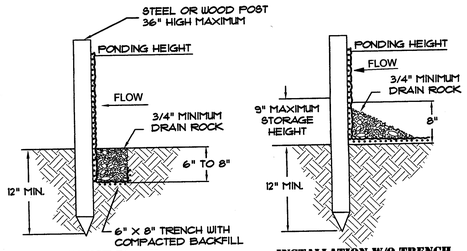
SCALE: 3/4" : 1'-0" (6) REQ'D



4 A.D.A. PARKING SIGN

SCALE: 3/4" : 1'-0" (2) REQ'D

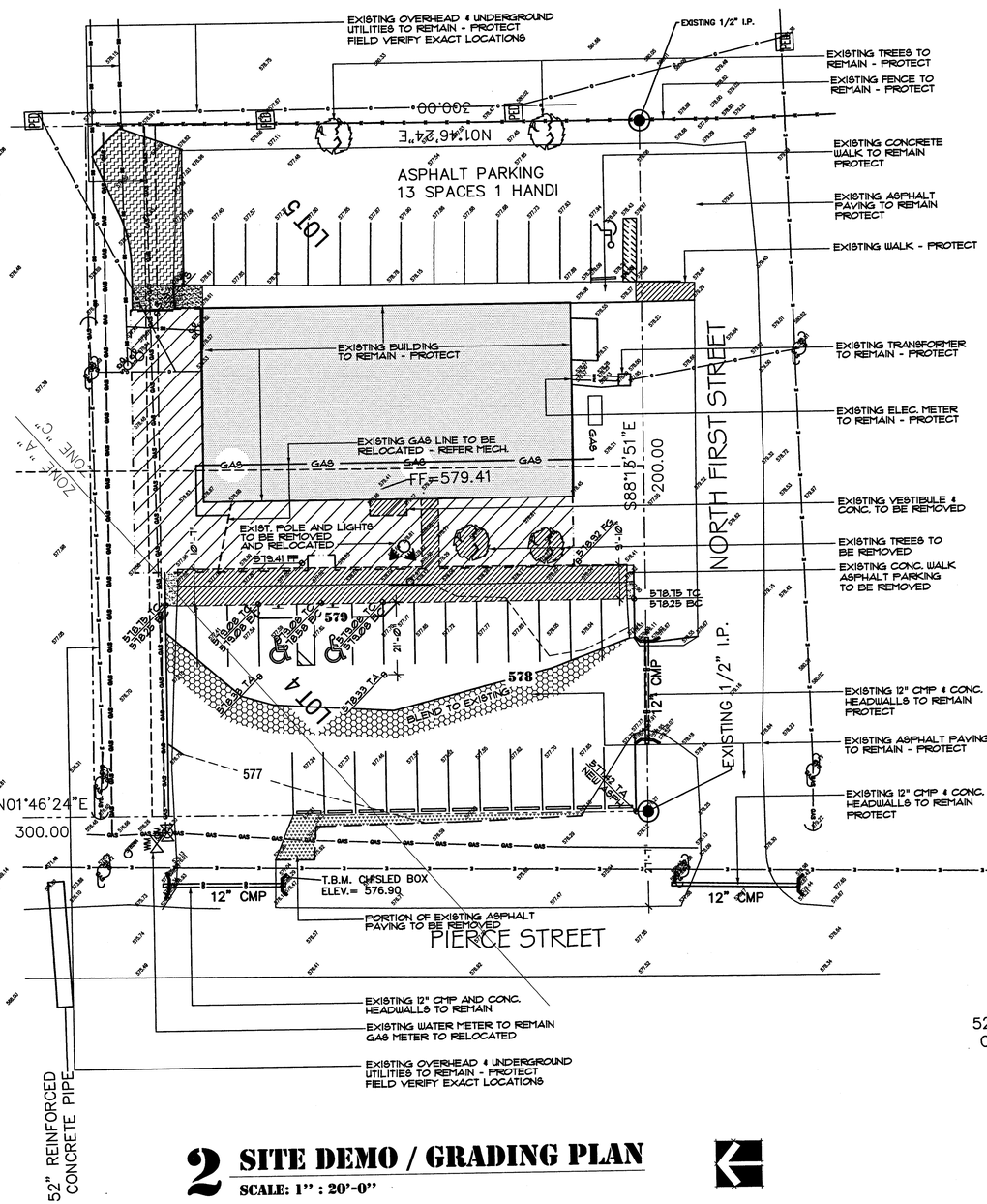




NOTES:
1. MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

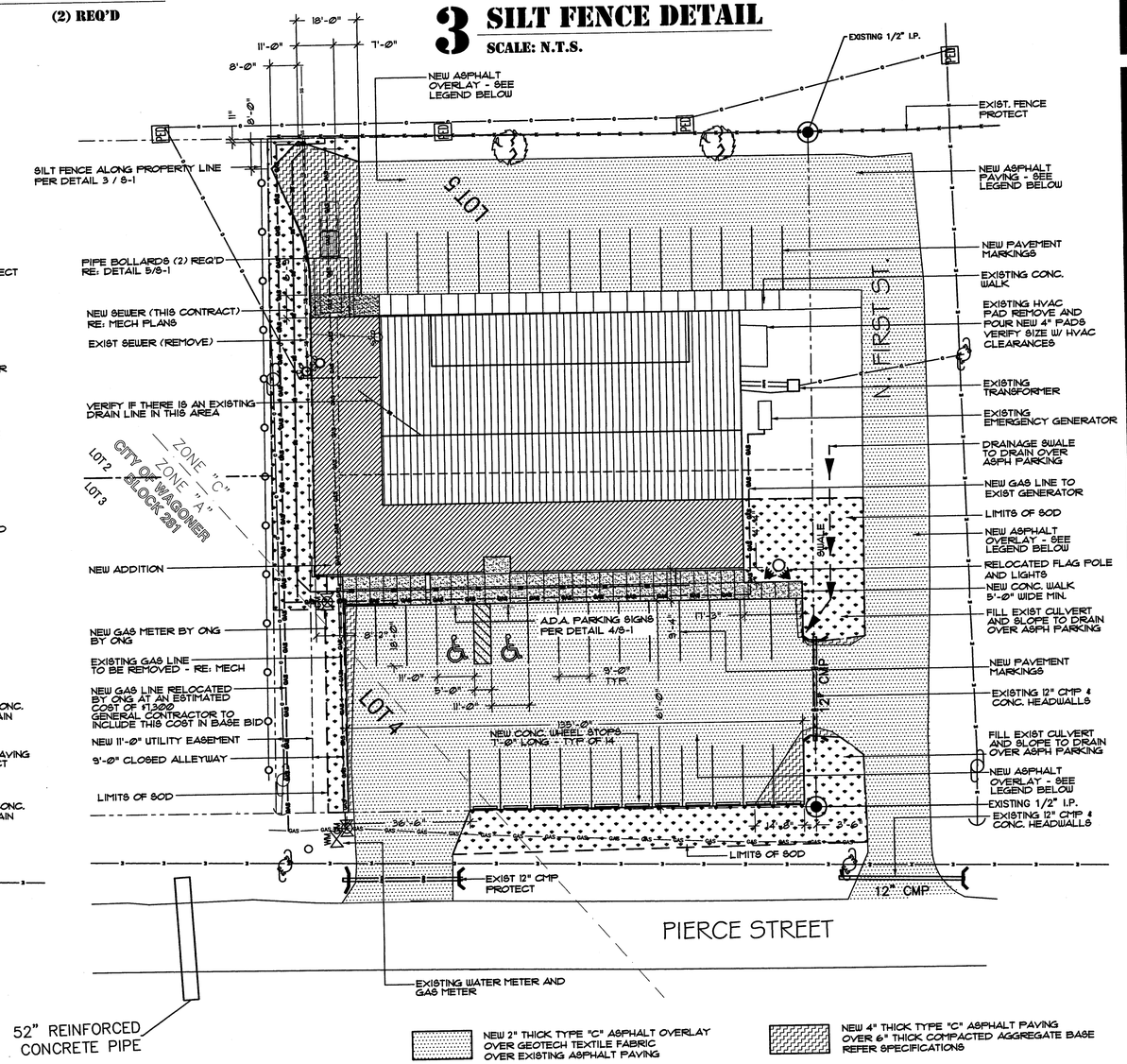
3 SILT FENCE DETAIL

SCALE: N.T.S.



2 SITE DEMO / GRADING PLAN

SCALE: 1" : 20'-0"



1 PROPOSED SITE PLAN

SCALE: 1" : 20'-0"

STATE OF OKLAHOMA
DARREL RICHARD BYRD
1584
REGISTERED ARCHITECT

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DATE 02.01.12
SHEET NUMBER
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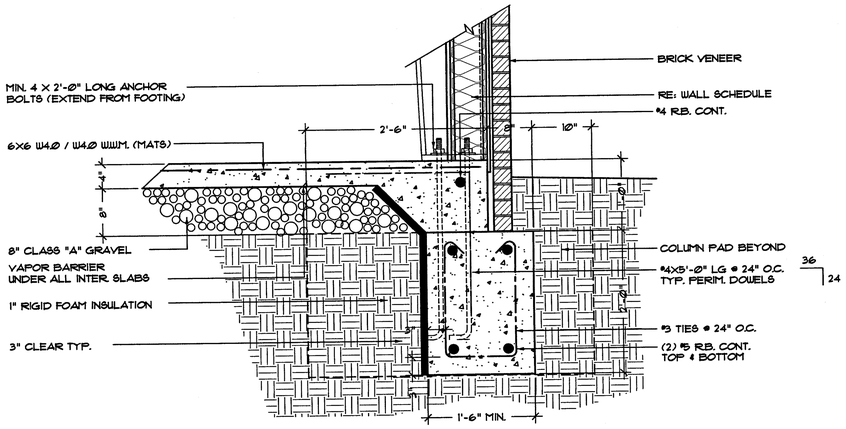
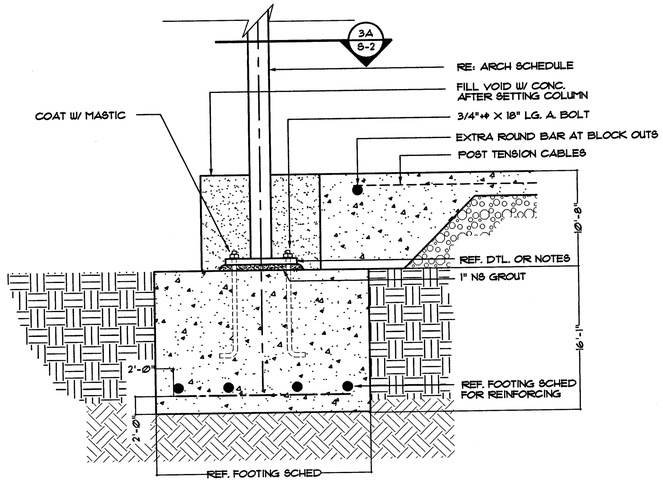
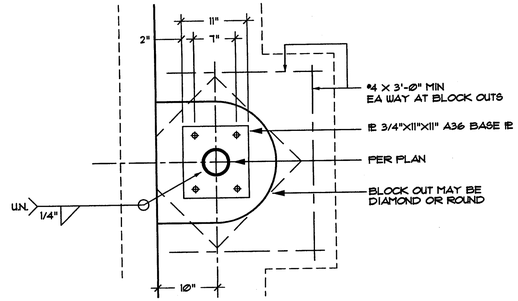


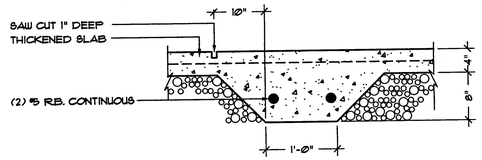
4 TYP. FOOTING SECTION
SCALE: 1" :: 1'-0"



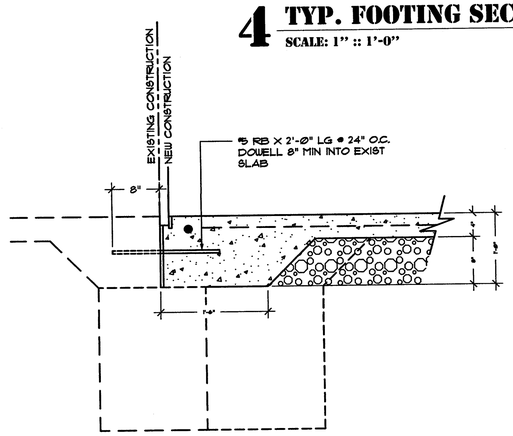
3 COLUMN PAD DETAIL
SCALE: 1" : 1'-0"



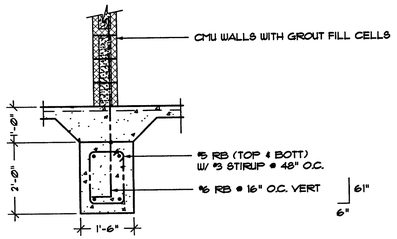
3A PLAN VIEW OF COLUMN
SCALE: 1" : 1'-0"



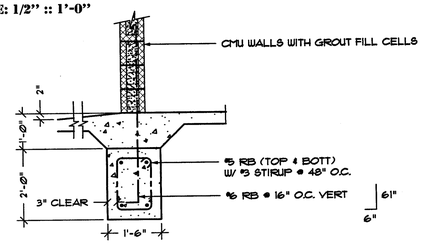
2 THICKENED SLAB DETAIL
SCALE: 1" : 1'-0"



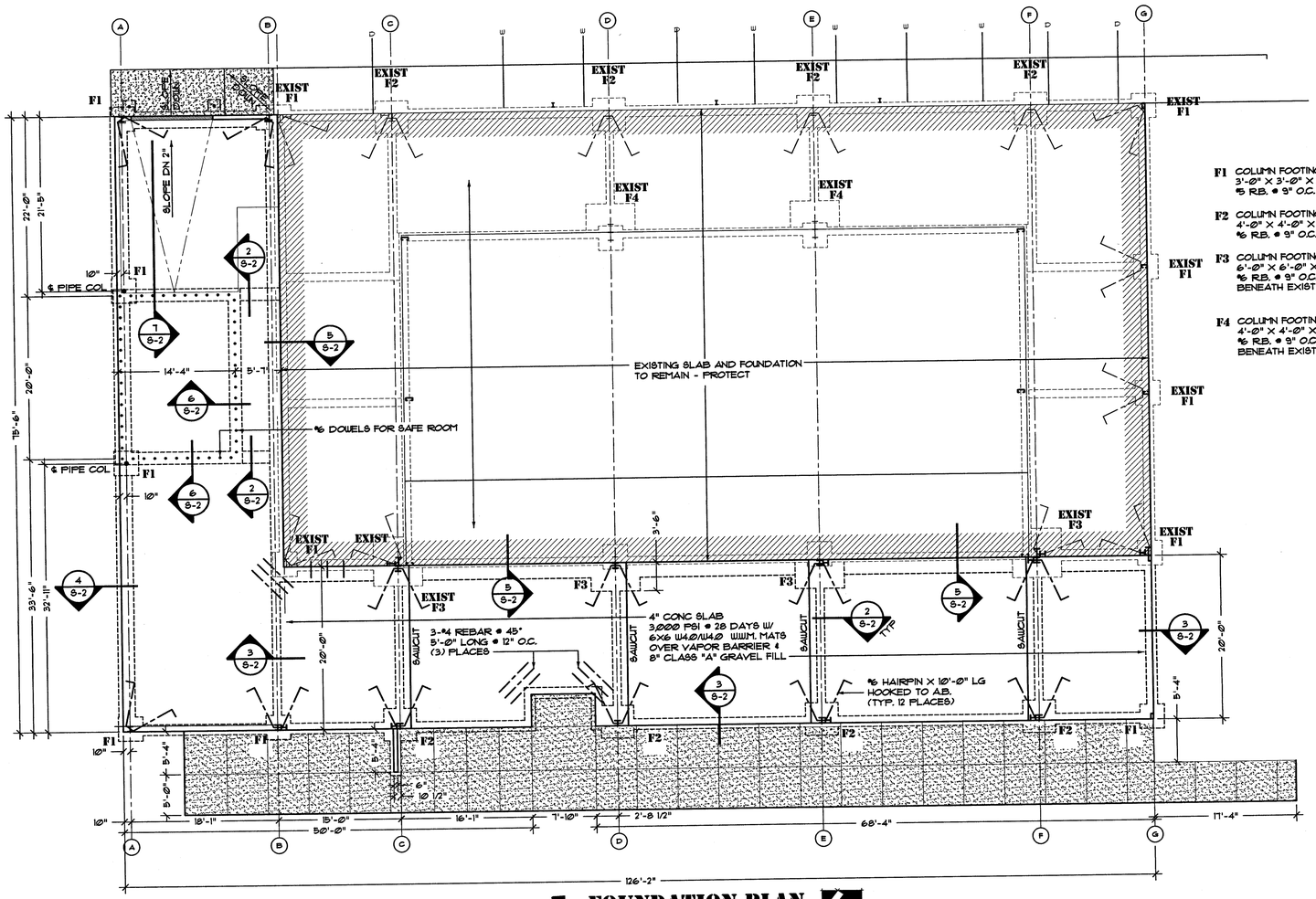
5 SECTION AT EXIST FOOTING
SCALE: 1" :: 1'-0"



6 SECTION AT CMU WALLS
SCALE: 1/2" :: 1'-0"



7 SECTION AT CMU WALLS
SCALE: 1/2" :: 1'-0"



1 FOUNDATION PLAN
SCALE: 1/8" : 1'-0"

F1 COLUMN FOOTING
3'-0" X 3'-0" X 2'-0" DEEP W/ #5 R.B. @ 9" O.C. EA. WAY BOTTOM

F2 COLUMN FOOTING
4'-0" X 4'-0" X 2'-0" DEEP W/ #6 R.B. @ 9" O.C. EA. WAY BOTTOM

F3 COLUMN FOOTING
6'-0" X 6'-0" X 2'-0" DEEP W/ #6 R.B. @ 9" O.C. EA. WAY BOTTOM BENEATH EXISTING FOOTING

F4 COLUMN FOOTING
4'-0" X 4'-0" X 2'-0" DEEP W/ #6 R.B. @ 9" O.C. EA. WAY BOTTOM BENEATH EXISTING FOOTING

REGISTERED PROFESSIONAL ENGINEER
RONALD D. BEBEE
9404
OKLAHOMA
CA1936 - Exp 6/30/12

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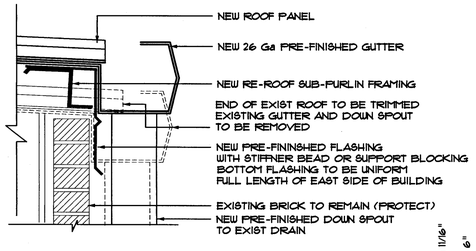
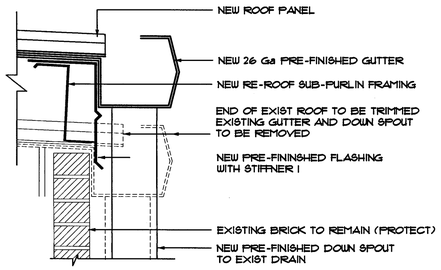
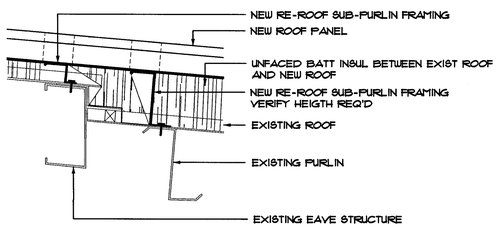


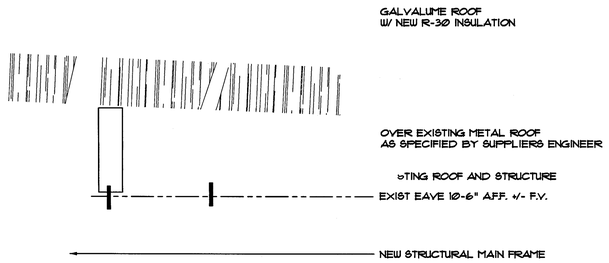
3 GUTTER DETAIL
SCALE: 1 1/2" : 1'-0"



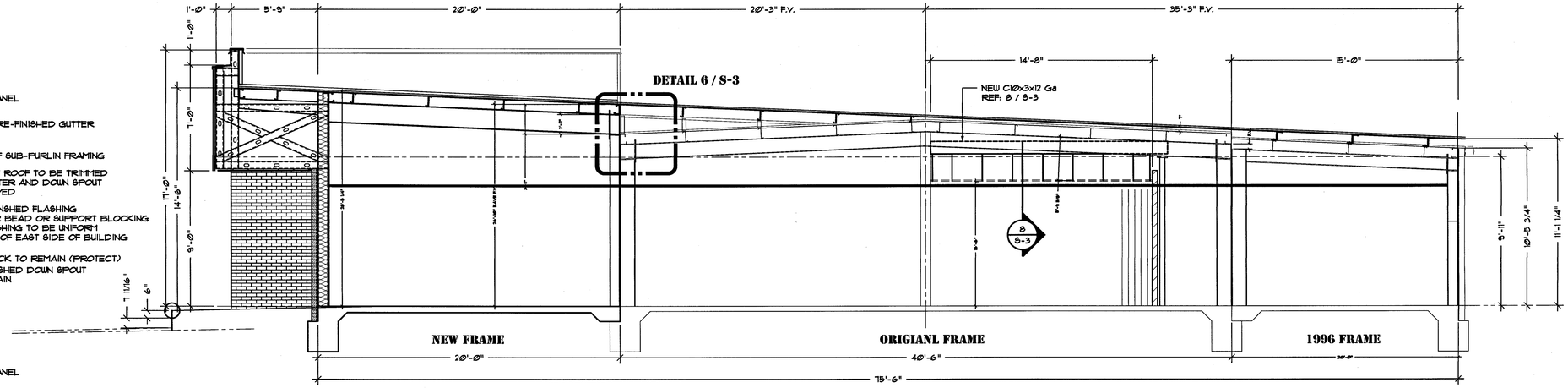
4 GUTTER DETAIL
SCALE: 1 1/2" : 1'-0"



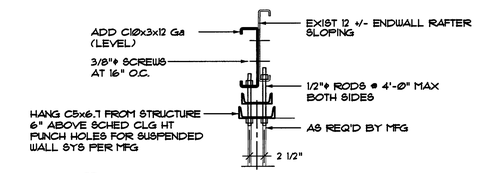
5 RE-ROOF DETAIL AT STEPPED ROOF
SCALE: 1 1/2" : 1'-0"



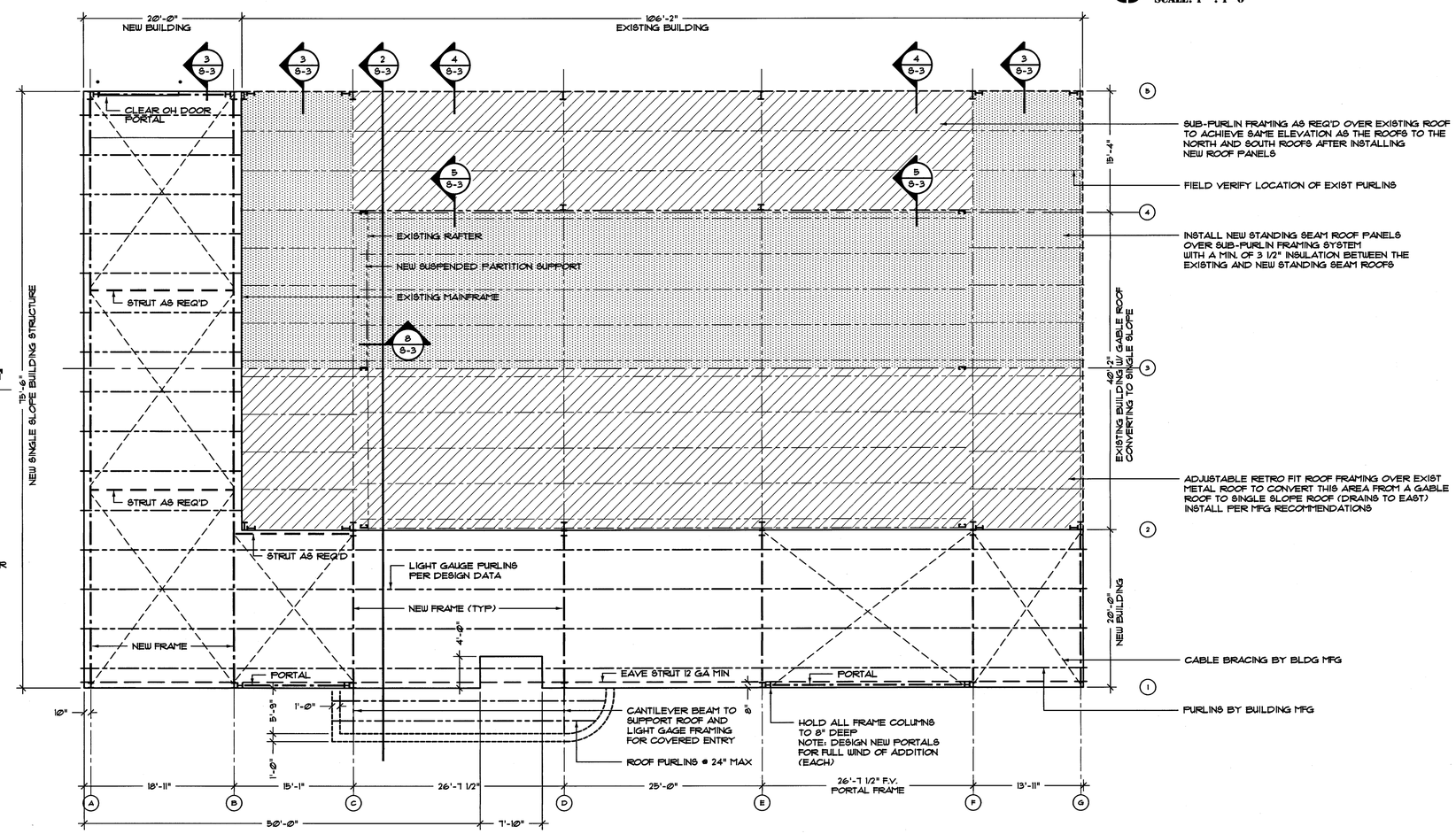
6 ADJ FRAMING DETAIL
SCALE: 1 1/2" : 1'-0"



2 BUILDING SECTION
SCALE: 1/4" : 1'-0"



8 SUSPENDED WALL SUPPORT
SCALE: 1" : 1'-0"



1 ROOF FRAMING PLAN
SCALE: 1/8" : 1'-0"

REGISTERED PROFESSIONAL ENGINEER
RONALD D. BEBEE
9404
OKLAHOMA
1-31-12

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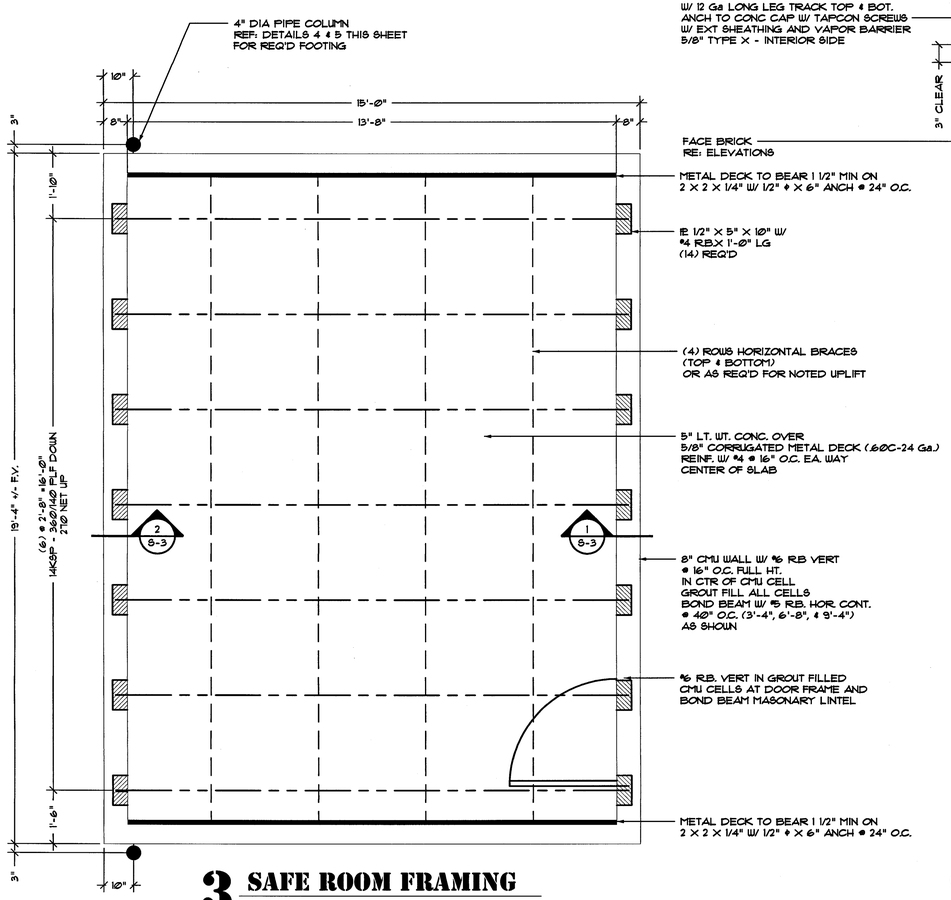
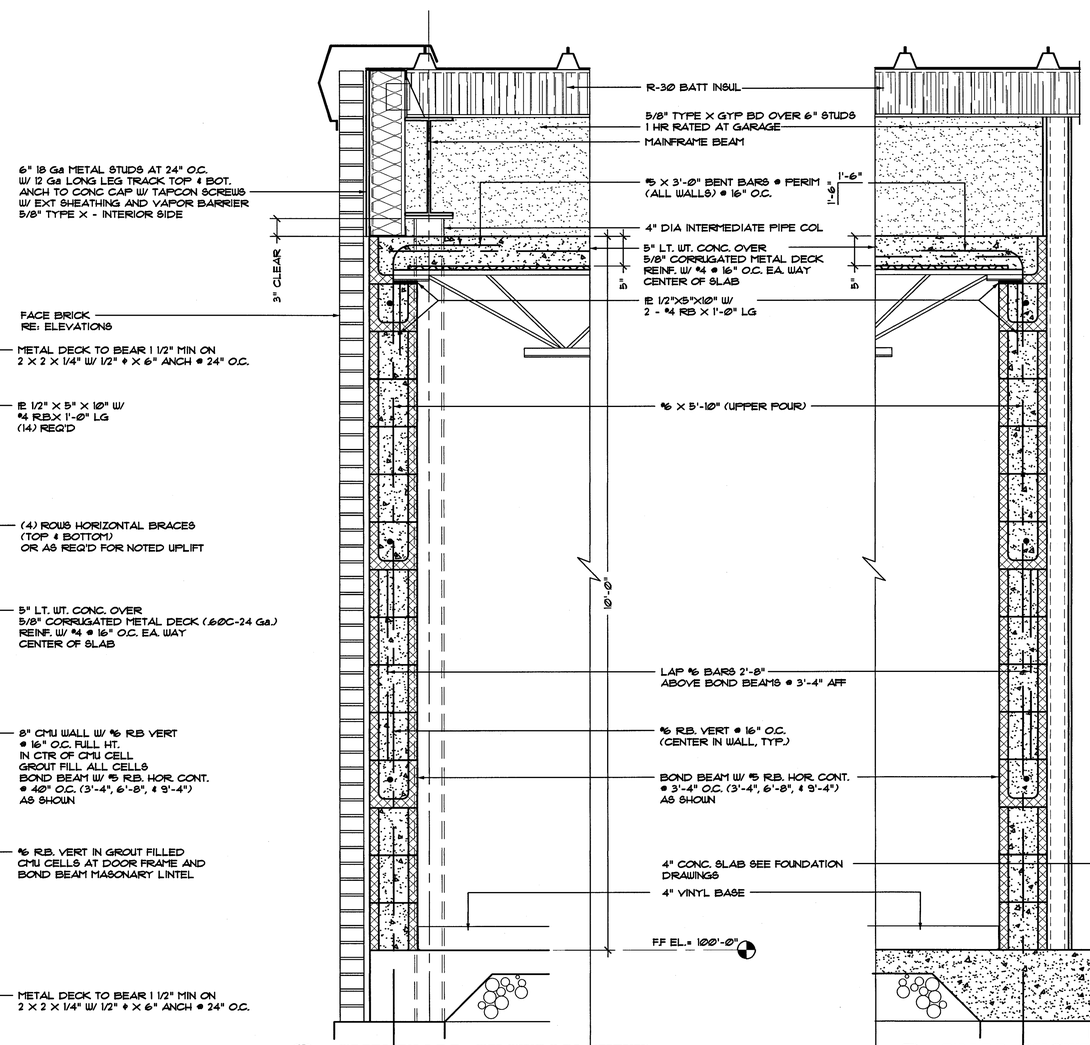


3 SAFE ROOM FRAMING

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



2 CMU WALL SECTION (EXT)

SCALE: 1" : 1'-0"

1 WALL SECTION

SCALE: 1" : 1'-0"

REGISTERED PROFESSIONAL ENGINEER
RONALD D. BEBEE
9404
OKLAHOMA
1-5-12

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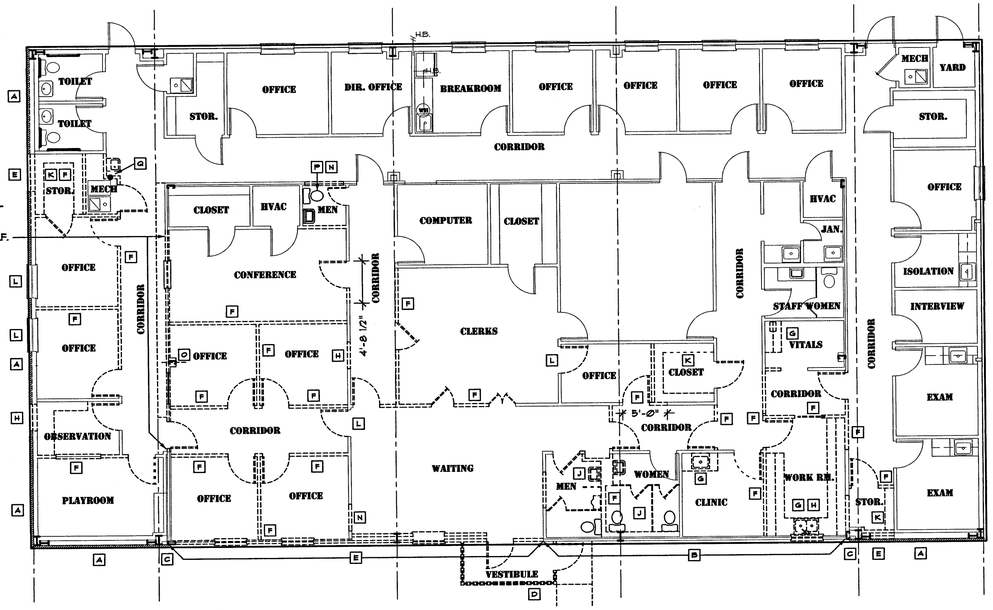


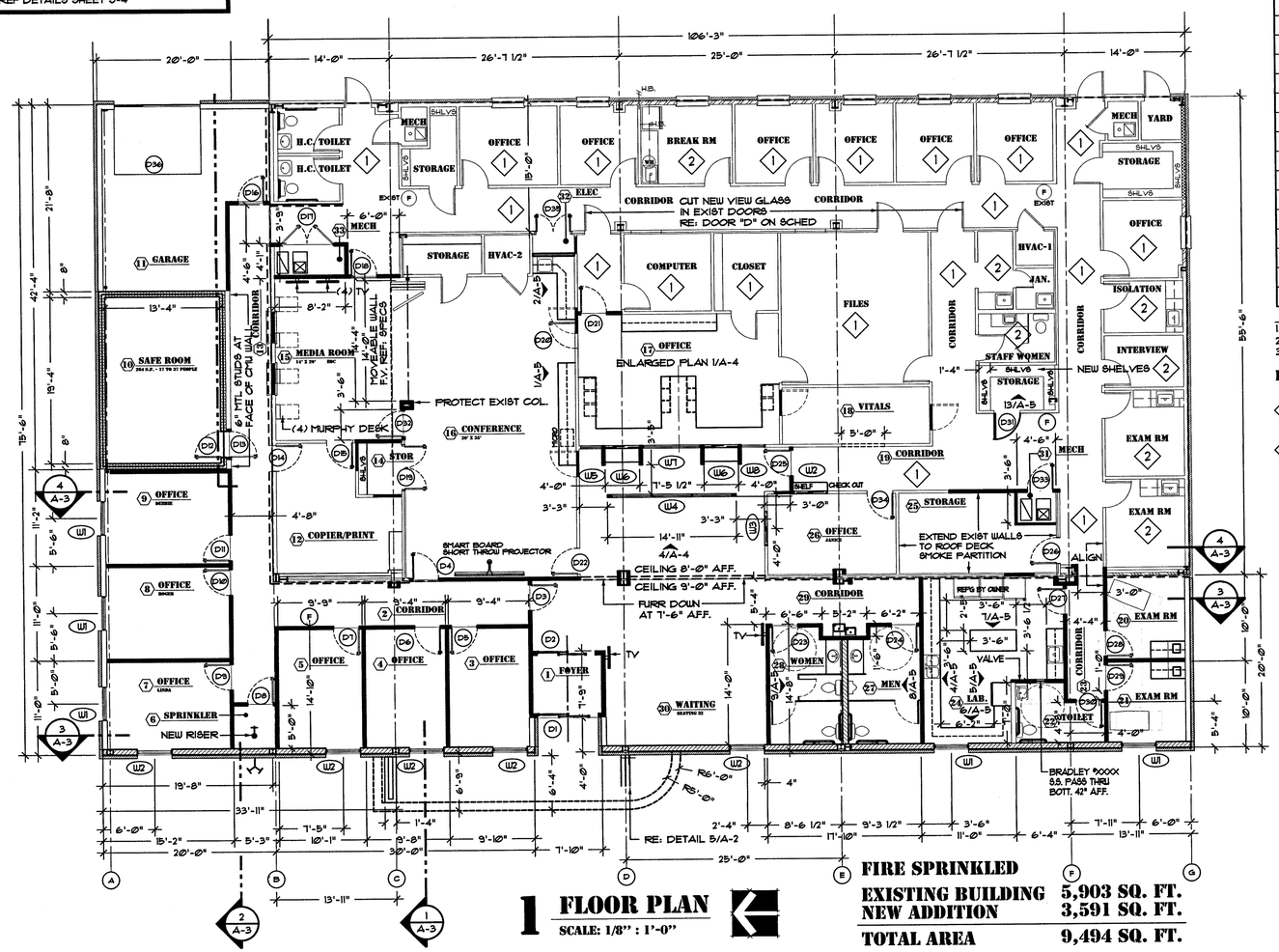
EXISTING WALL TO BE REMOVED
NORTH SIDE
VINYL CLAD SHEET ROCK OVER METAL STUDS
OVER ORIGINAL METAL R PANEL FULL HT W/ INSUL
SOUTH SIDE
VINYL CLAD SHEET ROCK OVER METAL STUDS
NOTE: METAL PANEL SHALL BE CUT TO 10'-0" AFF.

2 DEMOLITION PLAN

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

WALL LEGEND

	NEW INTERIOR WALL 3 5/8" 25 Ga MTL STUDS AT 16" O.C. W/ 12 Ga LONG LEG TOP & BOTT. TRACKS WALL TO EXTEND 12" ABOVE CLG HT SOUND BATT INSULATE ALL WALLS 5/8" GYP BD EACH SIDE
	EXTERIOR WALL 6" 18 Ga MTL STUDS AT 16" O.C. W/ 12 Ga LONG LEG TOP & BOTT. TRACKS HORIZ STIFFENERS AT 48" O.C VERT R-19 BATT INSUL. - FULL HT INT - 5/8" MOLD RESIST GYP BD FULL HT EXT - WEATHER PROOF SHEATHING W/ TYVEK VAPOR BARRIER AND BRICK
	EXTERIOR WALL 8" 18 Ga MTL STUDS AT 16" O.C. W/ 12 Ga LONG LEG TOP & BOTT. TRACKS HORIZ STIFFENERS AT 48" O.C VERT R-19 BATT INSUL - FULL HT INT - 5/8" MOLD RESIST GYP BD FULL HT EXT - WEATHER PROOF SHEATHING W/ TYVEK VAPOR BARRIER AND BRICK
	INTERIOR PLUMBING WALL 8" 18 Ga MTL STUDS AT 16" O.C. W/ 12 Ga LONG LEG TOP & BOTT. TRACKS EXTEND 12" ABOVE CLG HT SOUND BATT INSUL FULL HT 5/8" MOLD RESIST GYP BD
	CMU SAFE ROOM WALLS REF DETAILS SHEET S-4



1 FLOOR PLAN

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

FIRE SPRINKLED	
EXISTING BUILDING	5,903 SQ. FT.
NEW ADDITION	3,591 SQ. FT.
TOTAL AREA	9,494 SQ. FT.

DEMOLITION NOTES:

- A REMOVE EXISTING BRICK VENEER FULL HEIGHT. EXISTING WALL FRAMING AND SHEATHING TO REMAIN.
- B REMOVE EXISTING E.I.F.S. FULL HEIGHT. EXISTING WALL FRAMING AND SHEATHING TO REMAIN.
- C EXISTING STRUCTURAL COLUMN TO REMAIN - PROTECT
- D EXISTING VESTIBULE WALLS, ROOF, AND SLAB / FOUNDATION TO BE COMPLETELY REMOVED
- E EXISTING E.I.F.S. / METAL PANEL / METAL STUD WALL TO BE COMPLETELY REMOVED
- F EXISTING WALL (AND / OR DOOR) TO BE REMOVED.
- G EXISTING MILLWORK TO BE REMOVED.
- H REMOVE REQUIRED PORTION OF WALL AND PREP FOR INSTALL OF NEW DOOR.

DEMOLITION NOTES:

- J REMOVE WALLS, DOORS, FIXTURES, AND GYP. BD. AT RESTROOM(S). CAP ALL EXISTING PIPING BELOW SLAB. (REF. MECH. PLANS)
- K EXISTING SHELVING TO BE REMOVED. SALVAGE FOR REUSE.
- L REMOVE EXISTING WINDOW OR DOOR. INFILL WALL FLUSH WITH EXISTING WALL AND FINISH INTERIOR SIDE TO MATCH EXISTING.
- M REMOVE LIMITED AREA FIRE SPRINKLER SYSTEM FROM FILE ROOM #31
- N REMOVE DRYWALL AND PREP FOR NEW DOOR OR WINDOW
- O REMOVE EXISTING COLUMN AFTER NEW STRUCTURAL SUPPORT IS IN PLACE. MODIFY EXISTING COLUMN PER STRUCTURAL DETAIL.
- P REMOVE EXISTING TOILET AND SINK. CAP TOILET DRAIN RE-PLUMB EXIST SINK DRAIN FOR NEW SINK. RE: MECH PLANS
- Q RELOCATE WATER SHUT OFF VALVE, FLOOR DRAIN, AND HVAC UNIT

GENERAL NOTES AND LEGEND:

- - - - NEW 5/8" DRYWALL ON 3/4" HAT CHANNELS @ 16" O.C. HORIZ. OVER EXIST METAL PANELS OR OVER EXISTING METAL STUDS
- ═══ EXISTING WALLS TO REMAIN
- = = = EXISTING WALLS TO BE REMOVED
- (F) FIRE EXTINGUISHER AND CABINET

ROOM FINISH SCHEDULE

ROOM NO.	SPACE	FLOOR	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CLG.	CLG. HGT.	REMARKS
1	FOYER	2B	3C	7D	7D	7D	6D	9C	9'-0"	
2	CORRIDOR	1C	3C	7D	7D	7D	6D	9C	8'-0"	
3	OFFICE	1C	3C	7D	7D	7D	6D	9C	8'-0"	
4	OFFICE	1C	3C	7D	7D	7D	6D	9C	8'-0"	
5	OFFICE	1C	3C	7D	7D	7D	6D	9C	8'-0"	
6	SPRINKLER	4A	3C	7D	7D	7D	6D	9C	8'-0"	
7	OFFICE	1C	3C	6D	7D	7D	6D	9C	8'-0"	
8	OFFICE	1C	3C	6D	7D	7D	6D	9C	8'-0"	
9	OFFICE	1C	3C	6D	7D	7D	7D	9C	8'-0"	
10	SAFE ROOM	2B	3C	8A	8A	8A	8A	4A	10'-0"	
11	GARAGE	4A	3C	6D	6D	6D	8A	4A	---	
12	COPIER/PRINT	1C	3C	7D	7D	7D	7D	9C	8'-0"	
13	CORRIDOR	1C	3C	7D	7D	7D	7D	9C	8'-0"	
14	STORAGE	1C	3C	7D	7D	7D	7D	9C	8'-0"	
15	MEDIA ROOM	1C	3C	7D	7D	7D	7D	9C	8'-0"	NEW GYP BD ALL EXIST WALLS
16	CONFRENCE	1C	3C	7D	7D	7D	7D	9C	8'-0"	NEW GYP BD ALL EXIST WALLS
17	OFFICE	1C	3C	7D	7D	7D	7D	9C	8'-0"	NEW GYP BD ALL EXIST WALLS
18	VITALS	1C	3C	7D	7D	7D	7D	9C	8'-0"	NEW GYP BD ALL EXIST WALLS
19	CORRIDOR	1C	3C	7D	7D	7D	7D	9C	8'-0"	
20	EXAM ROOM	1C	3C	7D	6D	7D	7D	9C	8'-0"	
21	EXAM	1C	3C	7D	6D	7D	6D	9C	8'-0"	
22	TOILET	1C	3C	7D	7D	7D	6D	9C	8'-0"	
23	CORRIDOR	1C	3C	7D	7D	7D	7D	9C	8'-0"	
24	LAB	1C	3C	7D	7D	7D	6D	9C	8'-0"	
25	STORAGE	2B	3C	7D	7D	7D	7D	9C	8'-0"	ALL WALLS TO EXIST ROOF
26	OFFICE	1C	3C	7D	7D	7D	7D	9C	8'-0"	NEW GYP BD ALL EXIST WALLS
27	MEN	1C	3C	7D	7D	7D	6D	9C	9'-0"	
28	WOMEN	1C	3C	7D	7D	7D	6D	9C	8'-0"	
29	CORRIDOR	1C	3C	7D	7D	7D	7D	9C	8'-0"	
30	WAITING	1C	3C	7D	7D	7D	6D	9C	VAR	
31	MECH	1C	3C	7D	7D	7D	7D	9C	8'-0"	
32	ELECTRICAL	1C	3C	7D	7D	7D	7D	9C	8'-0"	
33	MECH	1C	3C	7D	7D	7D	7D	9C	8'-0"	

NOTES :
1) REPLACE VINYL BASE WHERE REMOVED AFTER REPAIRING VINYL CLAD WALL.
2) SOUND BATT INSULATE ALL NEW WALLS FULL HEIGHT
3) CAULK (SMOOTH) ANY EXIST VINYL CLAD GYP BD JOINTS BEFORE PAINTING

EXISTING ROOM: FINISH ITEMS

1. EXISTING ROOM, OFFICE, AND CORRIDOR
   CAULK ALL VINYL CLAD JOINTS, PAINT 2 COATS SATIN LATEX ENAMEL
   INSTALL NEW CARPET, VINYL BASE, AND NEW CEILING TILES THROUGH OUT
2. EXISTING ROOM OR EXAM ROOM
   CAULK ALL VINYL CLAD JOINTS, PAINT 2 COATS SATIN LATEX

MATERIAL KEY

1	CARPET
2	VINYL TILE 12"x12"x1/8"
3	4" VINYL BASE
4	EXPOSED CONC.
5	EXISTING
6	5/8" GYPSUM BOARD MOLD RESISTANT
7	5/8" GYPSUM BOARD TYPE "X"
8	8" CMU BLOCK
9	2'x4' CEILING TILES
10	2'x4' WATER RESIST. CEILING

FINISH KEY

A	NO FINISH
B	CLEANED AND WAXED
C	FACTORY FINISH
D	PAINT, 2 COATS SATIN LATEX ENAMEL
E	PAINT, 2 COATS SEMI GLOSS OIL BASE ENAMEL
F	PAINT, 1 COAT BLOCK FILL 2 COATS, SATIN LATEX ENAMEL
G	STAIN & CLEAR FINISH
H	EXISTING

DOOR SCHEDULE

MARK	OPENING SIZE	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME FINISH	FRAME MATERIAL	HARDWARE SET	REMARKS
1	7'-0" X 8'-0"	B	ALUM	C	MFG	C	ALUM	1	
2	7'-0" X 8'-0"	B	ALUM	C	MFG	C	ALUM	2	
3	3'-0" X 7'-0"	A	SCW	G	A	C	HM	3	
4	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
5	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
6	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
7	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
8	3'-0" X 7'-0"	A	SCW	G	A	C	HM	5	
9	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
10	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
11	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
12	3'-0" X 7'-0"	A	STEEL	E	B	E	HM	9	FEMA APPRVD SAFE RM DOOR
13	3'-0" X 7'-0"	A	SCW	G	A	E	HM	11	
14	3'-0" X 7'-0"	A	SCW	G	A	C	HM	11	
15	3'-0" X 7'-0"	A	SCW	G	A	C	HM	11	
16	3'-0" X 7'-0"	A	SCW	G	A	C	HM	7	
17	3' X 7' PAIR	C	SCW	G	A	C	HM	8	
18	3'-0" X 7'-0"	A	SCW	G	A	C	HM	11	
19	2'-6" X 7' PR	C	SCW	G	A	C	HM	8	
20	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
21	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
22	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
23	3'-0" X 7'-0"	A	SCW	G	A	C	HM	12	
24	3'-0" X 7'-0"	A	SCW	G	A	C	HM	12	
25	3'-0" X 7'-0"	A	SCW	G	A	C	HM	3	
26	3'-0" X 7'-0"	A	SCW	G	A	C	HM	5	
27	3'-0" X 7'-0"	A	SCW	G	A	C	HM	3	
28	3'-0" X 7'-0"	A	SCW	G	A	C	HM	10	
29	3'-0" X 7'-0"	A	SCW	G	A	C	HM	10	
30	3'-0" X 7'-0"	A	SCW	G	A	C	HM	10	
31	3'-0" X 7'-0"	A	SCW	G	A	C	HM	5	
32	3'-0" X 7'-0"	A	SCW	G	A	C	HM	11	
33	3'-0" X 7'-0"	A	SCW	G	A	C	HM	6	
34	3'-0" X 7'-0"	A	SCW	G	A	C	HM	4	
35	4' X 7' FR	A	SCW	G	A	C	HM	8	
36	10'-0" X 9'-0"	E	STL	C	---	G	STL	MFG	INSULATED

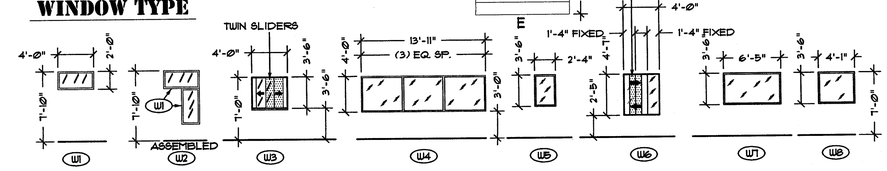
HM - HOLLOW METAL SCW - SOLID CORE WOOD STL - STEEL
** REFERENCE ARCHITECTURAL SPECIFICATIONS FOR REQUIRED HARDWARE **
** INTERIOR HM FRAMES SHALL BE TIMLEY KNOCKDOWN OR EQUAL
W/ FACTORY FINISH AS SELECTED BY OWNER **

WINDOW SCHEDULE

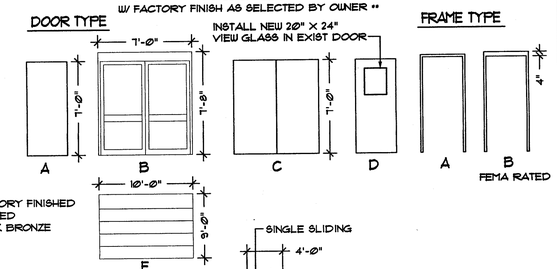
MARK	FRAME	GLASS
W 1	ALUM	1" CLEAR INSULATING GLAZING
W 2	SEE W1	(2) W 1 REQUIRED
W 3	TRACK	1/4" TEMPERED GLAZING
W 4	HM	1/4" TEMPERED GLAZING
W 5	HM	1/4" TEMPERED GLAZING
W 6	HM	1/4" TEMPERED GLAZING
W 7	HM	1/4" TEMPERED GLAZING
W 8	HM	1/4" TEMPERED GLAZING

HM = HOLLOW METAL TIMELY KNOCKDOWN OR EQUAL - FACTORY FINISHED
ALUM = ALUMINUM FRAME - DARK BRONZE - FACTORY FINISHED
TRACK = 2300 SERIES BY A. GEO. DIACK OR EQUAL - DARK BRONZE

WINDOW TYPE



DOOR TYPE



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architects, aia
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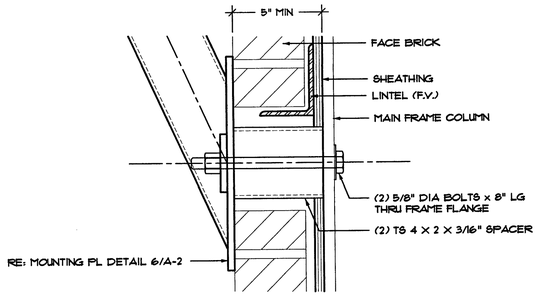
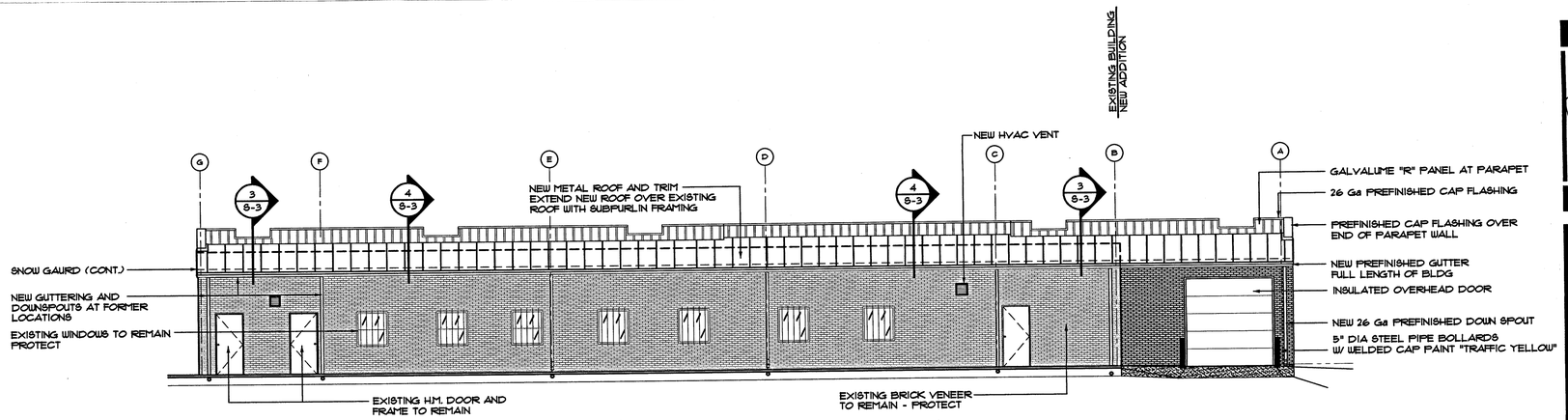
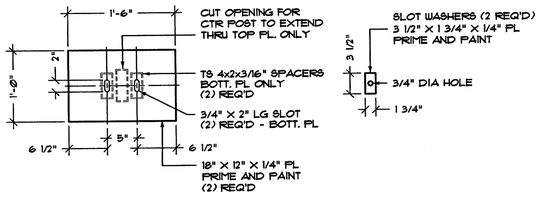
DATE 02.01.12
SHEET NUMBER
A-1



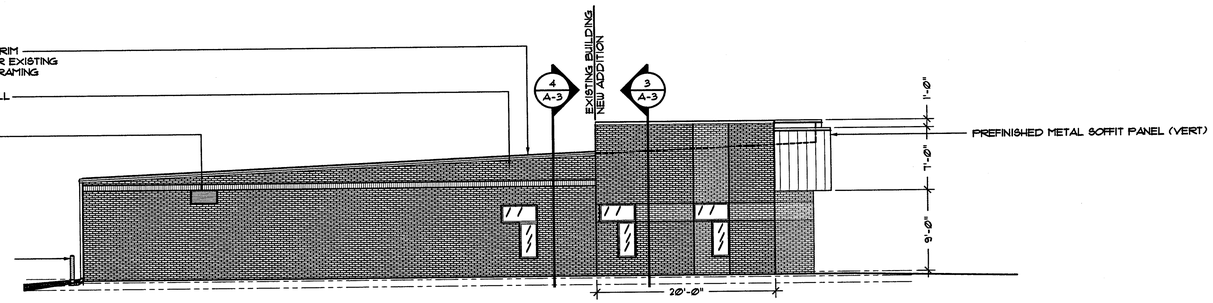
7 MOUNTING DETAIL
SCALE: 3" : 1'-0"



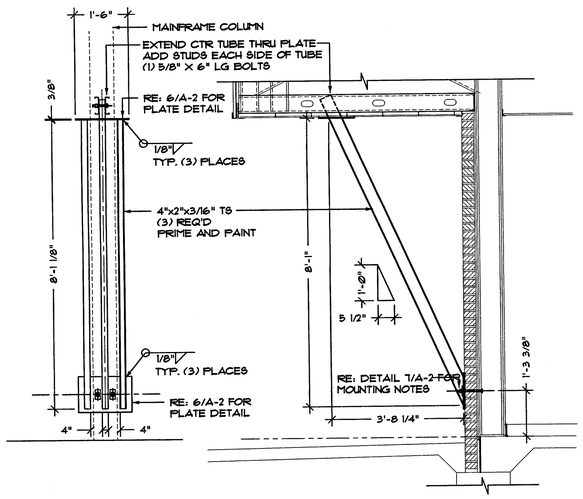
4 EAST ELEVATION
SCALE: 1/8" : 1'-0"



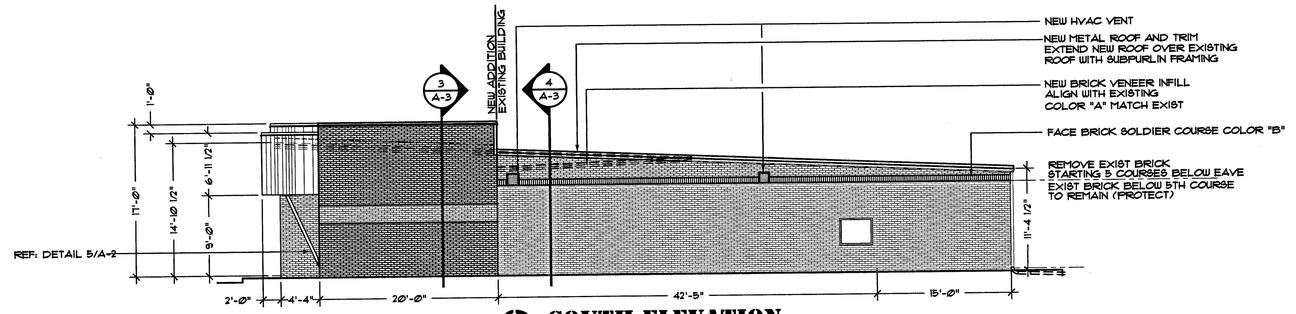
6 MOUNTING PLATE DETAIL
SCALE: 1" : 1'-0" 2 - REQUIRED



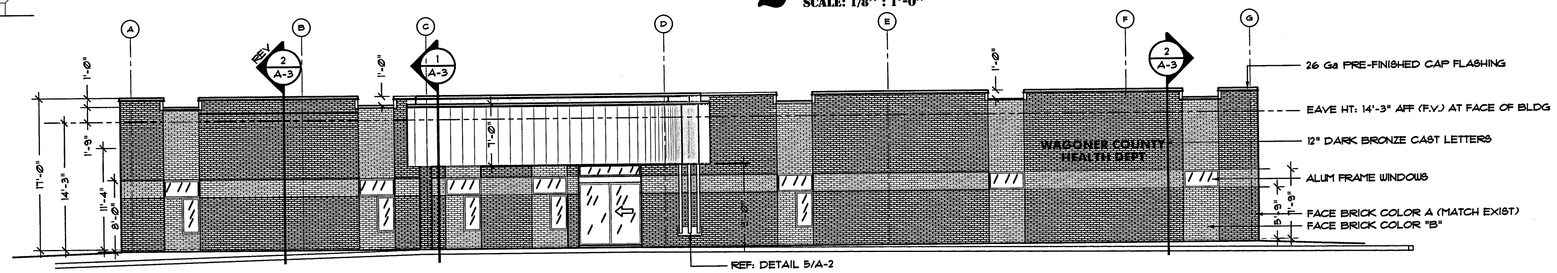
3 NORTH ELEVATION
SCALE: 1/8" : 1'-0"



5 DECORATIVE SUPPORT DETAIL
SCALE: 1/2" : 1'-0"



2 SOUTH ELEVATION
SCALE: 1/8" : 1'-0"



1 WEST ELEVATION
SCALE: 1/8" -1'-0"

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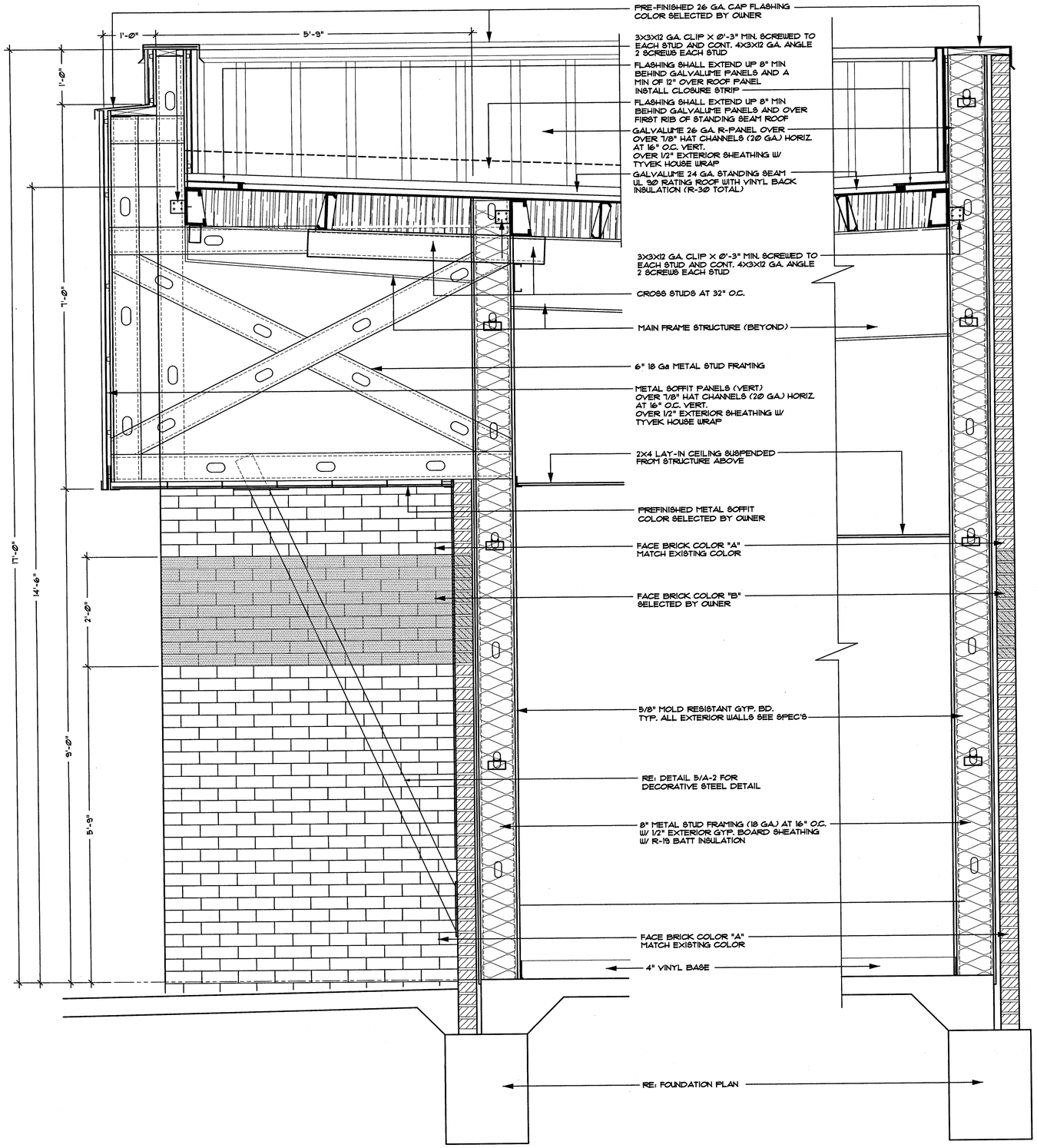
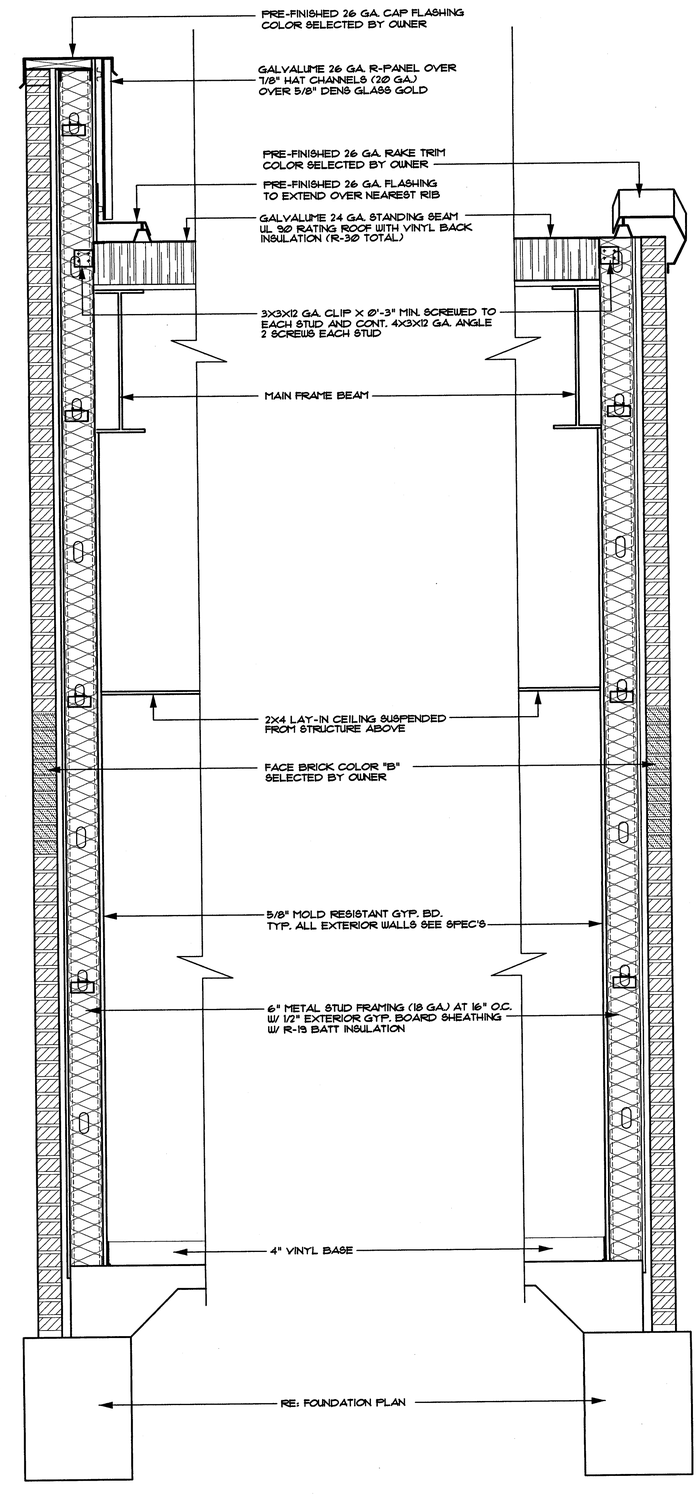


1 WALL SECTION
SCALE: 1" : 1'-0"



2 WALL SECTION
SCALE: 1" : 1'-0"

3 WALL SECTION
SCALE: 1" : 1'-0"

4 WALL SECTION
SCALE: 1" : 1'-0"

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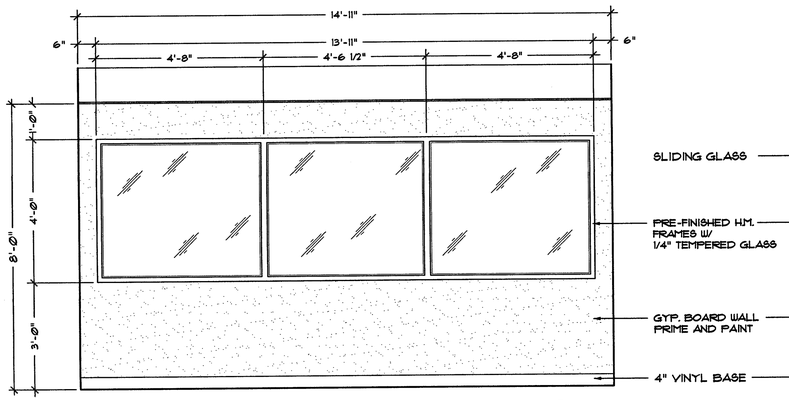
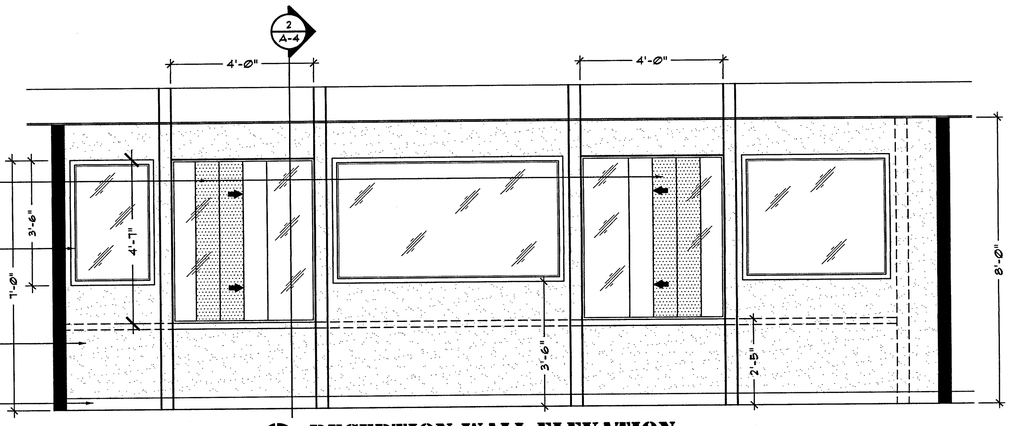
8 of 14



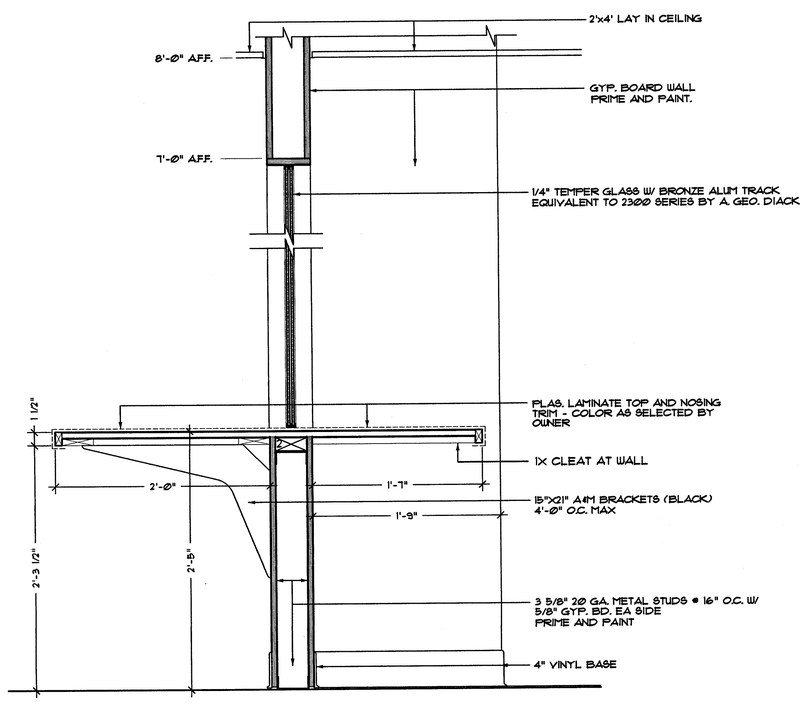
4 WAITING ROOM EAST WALL ELEV.

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



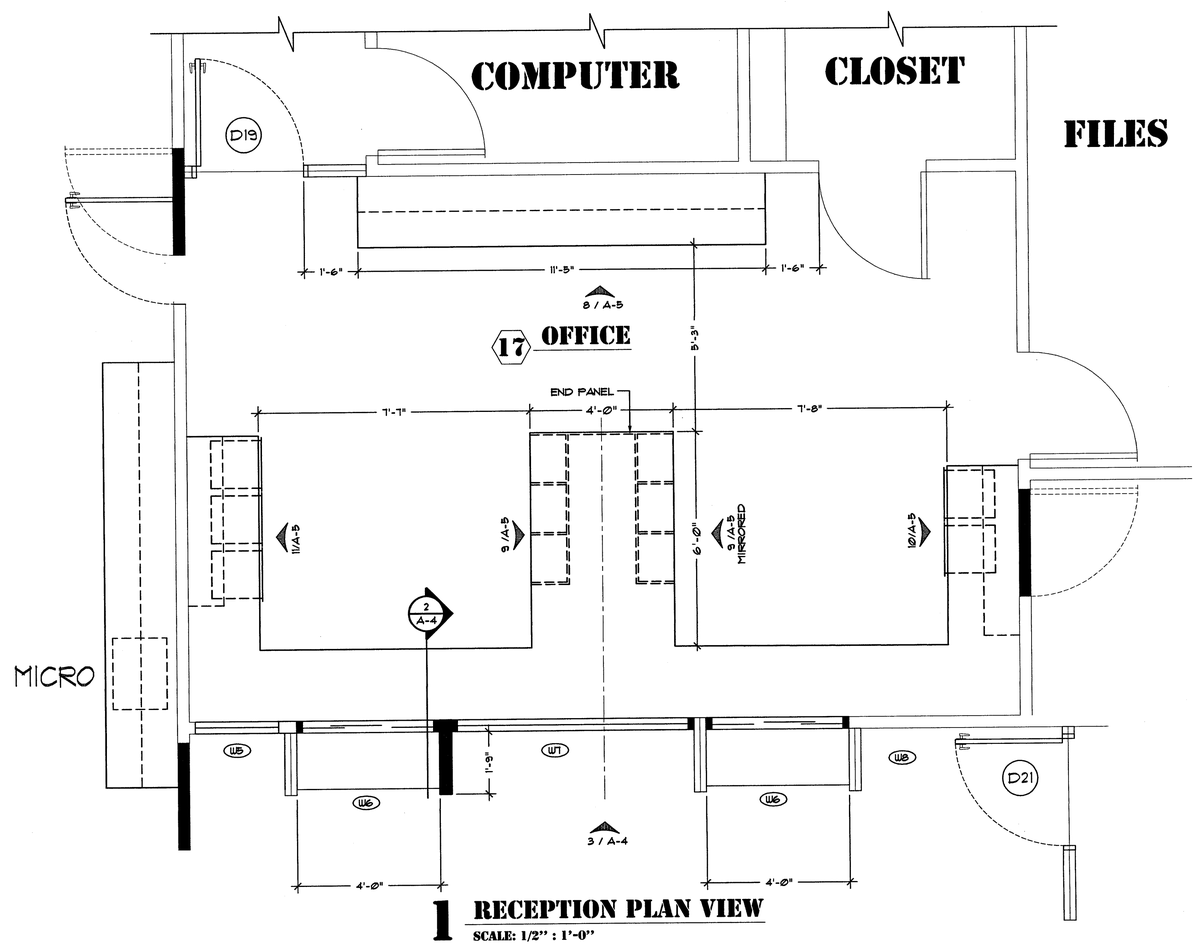
3 RECEPTION WALL ELEVATION

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



2 RECEPTION COUNTER SECTION

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



1 RECEPTION PLAN VIEW

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

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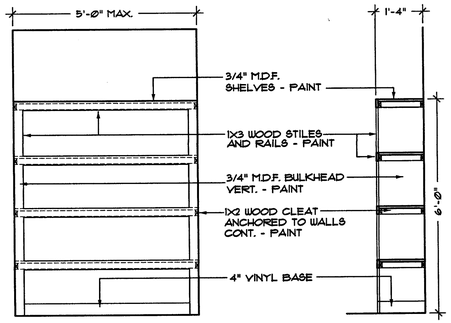
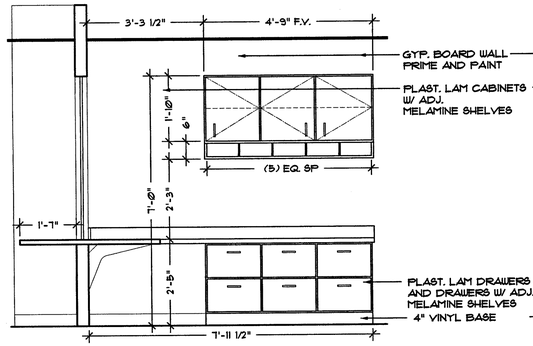
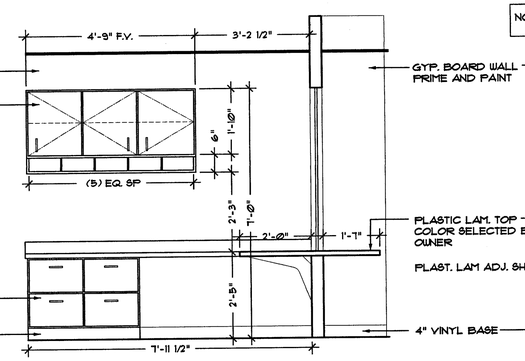
NOTE: ALL CABINET INTERIORS TO RECEIVE "MELAMINE" FINISH - WHITE COLOR
REFERENCE CABINET ELEVATIONS FOR EXTERIOR FINISH.



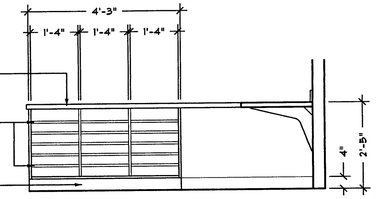
12 STORAGE SHELVES
SCALE: 1/2" : 1'-0"



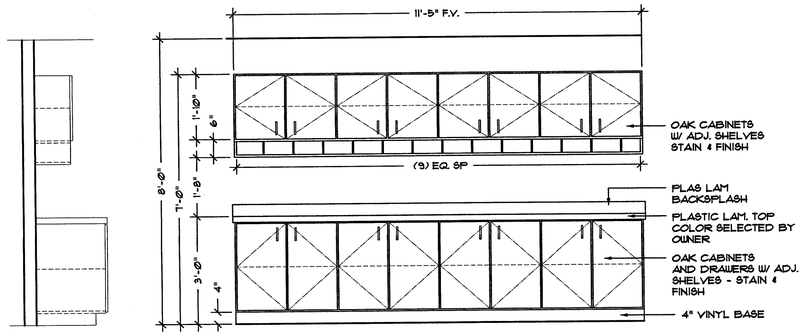
11 CABINET ELEV
SCALE: 1/2" : 1'-0"



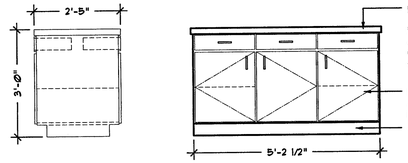
10 CABINET ELEV
SCALE: 1/2" : 1'-0"



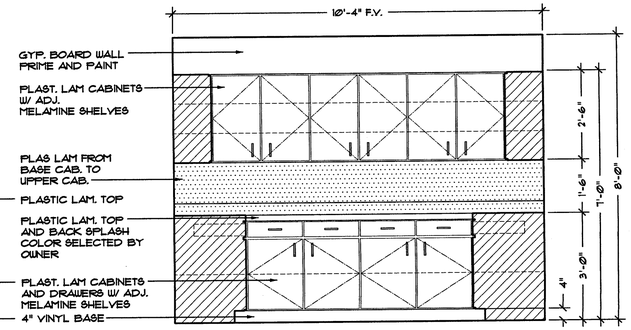
9 CABINET ELEV
SCALE: 1/2" : 1'-0"



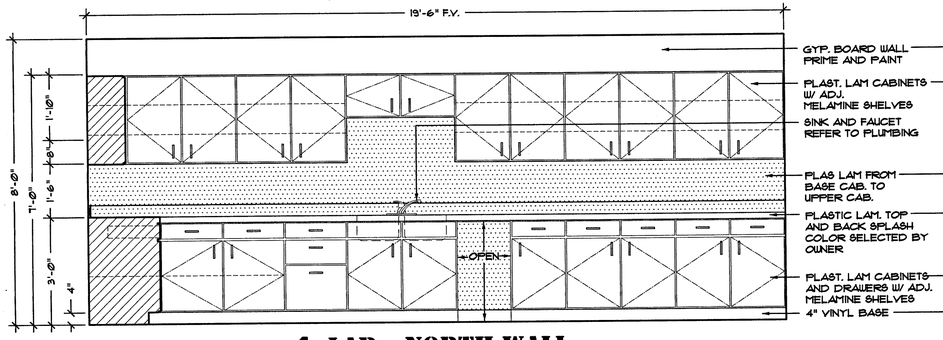
8 LAB - ISLAND
SCALE: 1/2" : 1'-0"



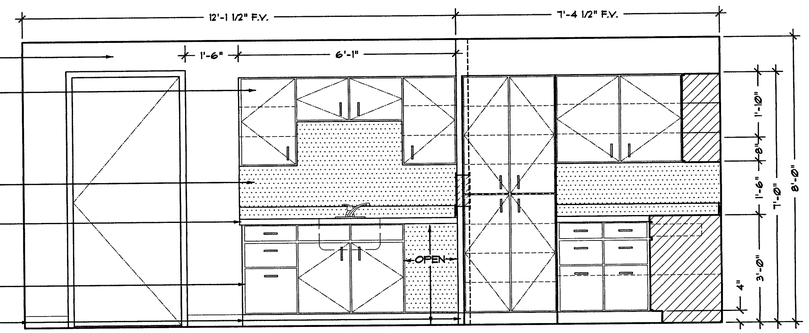
7 LAB - ISLAND
SCALE: 1/2" : 1'-0"



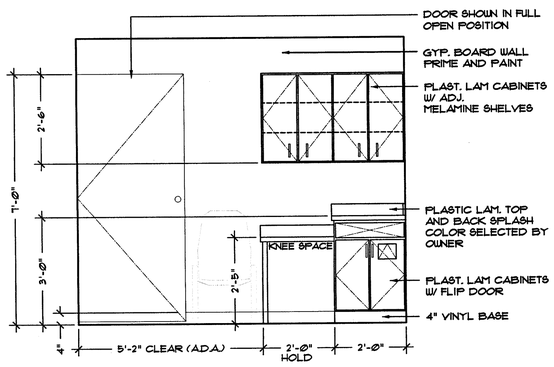
6 LAB - WEST WALL
SCALE: 1/2" : 1'-0"



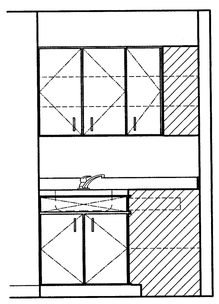
4 LAB - NORTH WALL
SCALE: 1/2" : 1'-0"



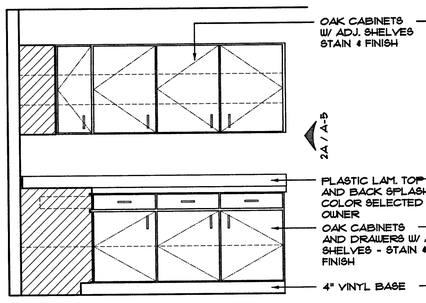
5 LAB - SOUTH WALL
SCALE: 1/2" : 1'-0"



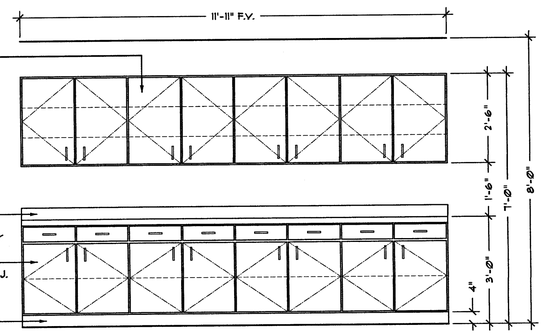
3 EXAM ROOM CABINET
SCALE: 1/2" : 1'-0"



2A COFFEE BAR
SCALE: 1/2" : 1'-0"



2 COFFEE BAR
SCALE: 1/2" : 1'-0"



1 CONFERENCE ROOM CABINET
SCALE: 1/2" : 1'-0"

STATE OF OKLAHOMA
DARRELL RICHARD BYRD
1589
LICENSED ARCHITECT
2/1/12

REVISIONS:

WAGONER COUNTY HEALTH DEPARTMENT RENOVATION 2011
WAGONER, OKLAHOMA

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918.893.5560
propertyarts.com

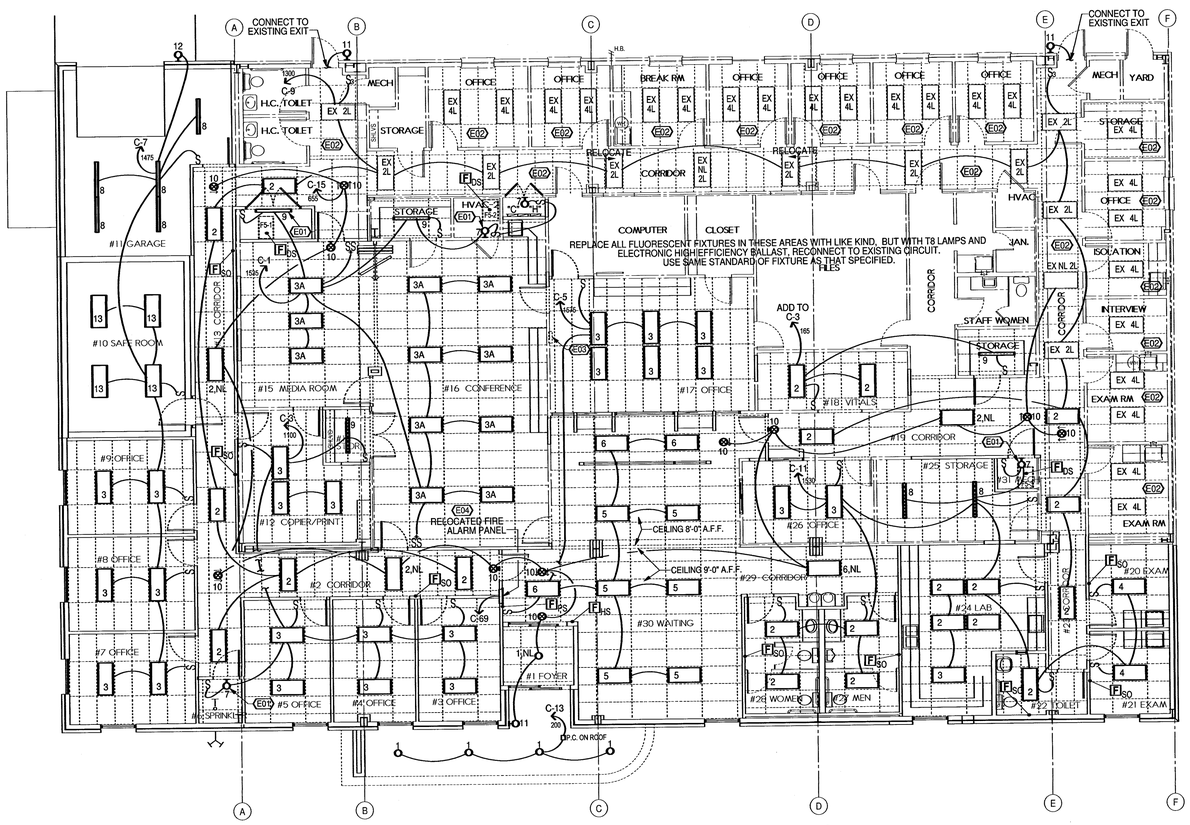
JOB	A1109
DATE	02.01.12
SHEET NUMBER	A-5

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION / MANUFACTURER	VA / LAMPS	NOTES
1	RECESSED COMPACT FLUOR DOWNLIGHT, OPEN REFLECTOR LITHONIA #LP6FM-42TRT-6B9W-MVOLT-GEB10	50 VA 1-42TRT/SP30	1
2	2 x 4 GRID TROFFER, 2 LAMP LITHONIA #2SP8G-232-A12-MVOLT-1/2-GEB10RS	65 VA 2-F32T8/SP30	1
3	2 x 4 GRID TROFFER, 3 LAMP LITHONIA #2SP8G-332-A12-MVOLT-1/3-GEB10RS	115 VA 3-F32T8/SP30	1
3A	SAME AS TYPE 3 EXCEPT WITH TWO BALLASTS LITHONIA #2SP8G-332-A12-MVOLT-1/2/1-GEB10RS	115 VA 3-F32T8/SP30	1 , 2
4	2 x 4 GRID TROFFER, 4 LAMP LITHONIA #2SP8G-432-A12-MVOLT-1/4-GEB10RS	130 VA 4-F32T8/SP30	1
5	2 x 4 GRID DIRECT / INDIRECT TROFFER, 3 LAMP LITHONIA #2AVG-332-MDR-MVOLT-1/3-GEB10RS	115 VA 3-F32T8/SP30	1
6	2 x 4 GRID DIRECT / INDIRECT TROFFER, 2 LAMP LITHONIA #2AVG-232-MDR-MVOLT-1/2-GEB10RS	65 VA 2-F32T8/SP30	1
7	PORCELAIN KEYLESS LAMPHOLDER WITH WIRE GUARD LEVITON #9875-2-WG	100 VA 1-100W IF	1
8	4 FT FLUORESCENT 2-LAMP STRIP WITH WIRE GUARD LITHONIA #C232-120-1/2-GEB-WGCUN	65 VA 2-F32T8/SP30	1
9	4 FT FLUORESCENT 1-LAMP STRIP WITH WIRE GUARD LITHONIA #C132-120-1/2-GEB-WGCUN	65 VA 2-F32T8/SP30	1
10	EXIT LIGHT, LED WITH BATTERY LITHONIA #LQM-S-W-3-R-120-ELN	20 VA LAMPS INCL	1 , 3
11	EXTERIOR W.P. EMERGENCY LIGHT WITH BATTERY BACKUP LITHONIA #AFN-BN-EXT-120	20 VA LAMPS INCL	1 , 4
12	EXTERIOR HID WALL BRACKET WITH PHOTOCELL LITHONIA #TWP-70M-120-PE	100 1-70W MH	1 , 4
13	2 x 4 MODULAR TROFFER, 3 LAMP LITHONIA #2M-332-A12-MVOLT-1/3-GEB10RS	115 VA 3-F32T8/SP30	1

GENERAL NOTES:
- LIGHT FIXTURES MANUFACTURED BY COOPER, DAYBRITE, HUBBELL, LITHONIA, AND WILLIAMS ARE APPROVED TO BID THIS PROJECT PROVIDING THE PROPOSED FIXTURE WILL MEET OR EXCEED THE QUALITY, APPEARANCE AND PERFORMANCE OF THE SPECIFIED LIGHT FIXTURE.
- ALL FLUORESCENT FIXTURES TO INCLUDE ENERGY SAVING LAMPS AND ELECTRONIC BALLAST @ <20% THD. REFER TO SPECIFICATIONS.
- ALL COMPACT FLUORESCENT FIXTURES TO HAVE ELECTRONIC BALLASTS.
- ALL INCANDESCENT LAMPS TO BE 130 VOLT.

SPECIFICATION NOTES:
1. 120 VOLT FIXTURE.
2. THIS FIXTURE WILL HAVE (1) I LAMP BALLAST AND (1) 2 LAMP BALLAST.
3. REFER TO LIGHTING PLANS TO DETERMINE IF EXIT IS SINGLE OR DOUBLE FACE.
4. MOUNT AT SAME HEIGHT TO MATCH EXISTING FIXTURES ON EXTERIOR WALL



A WAGONER HEALTH DEPARTMENT
LIGHTING/FA PLAN
ORIGINAL SCALE: 1/8" = 1'-0"

GENERAL ELECTRICAL NOTES

1. ALL CONDUIT IN CEILING SPACE TO BE INSTALLED AS HIGH AS POSSIBLE AND SUPPORTED FROM BUILDING STRUCTURE. RUN CONDUIT IN STRAIGHT LINES AT RIGHT ANGLES OR PARALLEL WITH WALLS, BEAMS AND COLUMNS. DO NOT SUPPORT CONDUIT FROM CEILING GRID.

ELECTRICAL KEYNOTES

E01 MOUNT ON WALL 6" ABOVE DOOR FRAME.

E02 REPLACE EX 2L AND EX 4L RECESSED FIXTURES WITH NEW #2 FIXTURES. RECONNECT TO EXSITNG CIRCUIT UNLESS NOTED OR INDICATED ON PLANS.

E03 EXISTING FIRE ALARM PANEL TO BE REMOVED AND RELOCATED TO NEW ADDITION.

E04 NEW LOCATION FOR EXISTING FIRE ALARM PANEL. RECONNECT EXISTING FIRE ALARM DEVICES AND EXPAND EXISTING F/A PANEL AS REQUIRED TO CONTROL THE NEW FIRE ALARM DEVICES IN THE NEW ADDITION.

ELECTRICAL LTG SYMBOLS

*** ALL OF THESE SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT ***

LIGHTING FIXTURES:

REFER TO THE LIGHTING FIXTURE SCHEDULE ON THE PLANS AND THE SPECIFICATION SECTION FOR EXACT REQUIREMENTS.

- 1 — SURFACE, PENDANT OR RECESSED POINT SOURCE LIGHTING FIXTURE. POINT SOURCE INCLUDES INCANDESCENT, LED, FLUORESCENT AND HID SOURCES. TYPE 1 INDICATED.
- 2 — SURFACE OR RECESSED FLUORESCENT FIXTURE TYPE 2 INDICTED.
- 3 — WALL MOUNTED EMERGENCY BATTERY BACK-UP LIGHTING FIXTURE. TYPE 3 INDICATED.
- 3 — CEILING MOUNTED EMERGENCY BATTERY BACK-UP LIGHTING FIXTURE. TYPE 3 INDICATED.
- 4 — WALL MOUNT POINT SOURCE FIXTURE. TYPE 4 INDICATED.
- 5,NL — NIGHT LIGHT FIXTURE, UNSWITCHED; TYPE 5 INDICATED.
- WALL MOUNT EXIT LIGHTING FIXTURE
- CEILING MOUNT EXIT LIGHTING FIXTURE

PANELBOARD, SWITCHBOARD AND RELATED EQUIPMENT

- FLUSH MOUNTED PANELBOARD
- SURFACE MOUNTED PANELBOARD
- FLUSH MOUNTED COMPONENT ENCLOSURE
- SURFACE MOUNTED COMPONENT ENCLOSURE

SWITCHES:

- S — SINGLE POLE TOGGLE SWITCH
- S3 — THREE WAY TOGGLE SWITCH
- SM — MOTOR SAFETY SWITCH
- SS — FIRST SWITCH CONTROLS CENTER LAMP (S) BALLAST, SECOND SWITCH CONTROLS OUTBOARD LAMP (S) BALLAST FOR MULTIPLE LEVEL FLUORESCENT LIGHTING.

MISCELLANEOUS SYMBOLS:

- TC — TIME CLOCK
- PC — PHOTOCELL

ELECTRICAL CIRCUITING

- CONDUIT AND WIRING CONCEALED IN CEILING OR WALL. CONDUIT AND WIRING EXPOSED AS ALLOWED PER SPECIFICATIONS.
- CONDUIT AND WIRING CONCEALED BELOW FLOOR OR GRADE.
- BRANCH CIRCUIT HOME RUN TO PANELBOARD, SWITCHBOARD OR MOTOR CONTROL CENTER. SINGLE CIRCUIT, MULTI-CIRCUIT AND THREE PHASE CIRCUITS HAVE ONLY ONE ARROW. SINGLE CIRCUIT INCLUDES ONE (1) PHASE, (1) NEUTRAL AND ONE (1) GROUND WIRE; 3 PHASE CIRCUIT REQUIRES A 4-WIRE CIRCUIT (3-PHASE & 1-GROUND). MULTIWIRE BRANCH CIRCUIT ARE ALLOWED (SEE BELOW FOR CIRCUITING).
- CONTROL WIRING OR LOW VOLTAGE WIRING IN CONDUIT.

HOMERUN GROUPING — HOMERUN GROUPING IS ALLOWED; DO NOT EXCEED SIX (6) PHASE WIRES PER HOMERUN CONDUIT. DERATE PER NEC.

MULTIWIRE BRANCH CIRCUITS
1. ALL HOSPITAL AND ALL 277V BRANCH CIRCUITS TO INCLUDE A NEUTRAL FOR EACH PHASE (HOT) WIRE. LIM CIRCS EXCLUDED.
2. ALL CIRCUITS SUPPLYING COMPUTERS ONLY TO INCLUDE A NEUTRAL FOR EACH PHASE (HOT) WIRE.
3. ALL OTHERS: COMPLY WITH MINIMUM REQUIREMENTS OF NEC 2008 SECTION 210.4, B AND D.

FIRE ALARM SYMBOLS

- FPS — MANUAL PULL STATION, +48" AFF.
- FHS — COMBINATION HORN/STROBE, +80" AFF.
- FSO — STROBE ONLY, +80" AFF.
- FSD — SMOKE DETECTOR, CEILING MOUNT
- FDS — DUCT SMOKE DETECTOR

1. CONTRACTOR TO INSTALL FIRE ALARM DEVICES AT THE LOCATIONS AND MOUNTING HEIGHTS SHOWN ON PLANS AS A MINUMUM REQUIREMENT. REFER TO SECTION 16724 IN SPECIFICATIONS. THE EXACT LOCATION OF FIRE ALARM DEVICES MOUNTED ON CEILING WILL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AFTER LIGHT FIXTURES AND CEILING DIFFUSERS HAVE BEEN INSTALLED.
2. DUCT SMOKE DETECTOR TO BE FURNISHED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE FIRE ALARM CONTRACTOR WILL THEN WIRE THE DETECTORS TO THE FIRE ALARM SYSTEM. PROVIDE AUTOMATIC UNIT SHUTDOWN AND AUDIBLE ALARM.

REGISTERED PROFESSIONAL ENGINEER
W. GLENN MARTIN
8102
OKLAHOMA

Digitally signed by: W. Glenn Martin, P.E.
Date: 2012.02.01 09:22:29 -06'00'
Reason: I am approving this document

DIGITAL SIGNATURE

REVISIONS

WAGONER COUNTY HEALTH DEPARTMENT RENOVATION 2011

WAGONER, OKLAHOMA

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architecture / design
3220 w. lansing st. broken arrow, oklahoma 74012
918-485-4577

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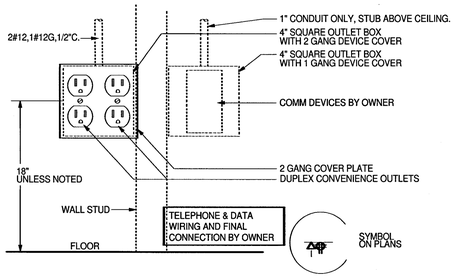
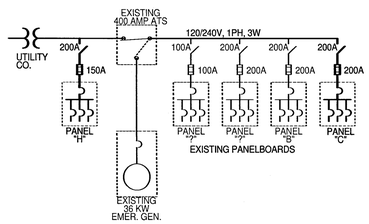
JOB : 1115
DATE: 01-31-2012
SHEET NUMBER
E1.1



D WALL MOUNTED WORKSTATION

ORIGINAL SCALE: NONE



C ONE LINE DIAGRAM

ORIGINAL SCALE: NONE

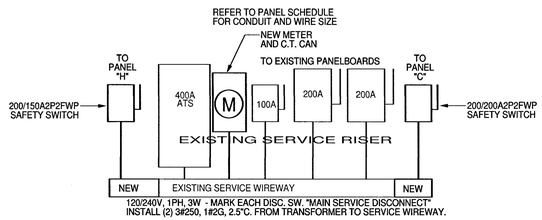
PANELBOARD SCHEDULE "H"

VOLTAGE: 120/240V, 1PH, 3W — MAIN: 200 AMP M.L.O.
TYPE: LOAD CENTER, CIRCUIT BREAKER — MIN INTEGRATED EQUIP SHORT CIRCUIT RATING: 10000 AMPS
ENCLOSURE: NEMA 1, SURFACE — FEEDER: 3#10,1#5G,1.5"C.

CIRC.	VA	BREAKER	B*	SERVICE	PH	CIRC.	VA	BREAKER	B*	SERVICE
1	3360	50A2P	3	H5-1	A	2	3360	50A2P	3	H5-3
3	3360	/		/	B	4	3360	/		/
5	2880	40A2P	2	H4-1	A	6	2880	40A2P	2	H4-2
7	2880	/		/	B	8	2880	/		/
9	2280	30A2P	1	H3	A	10		40A2P		SPACE ONLY
11	2280	/		/	B	12		/		/

14760 TOTAL VA, PHASE "A"
14760 TOTAL VA, PHASE "B"
29.5 KVA, TOTAL CONNECTED
28 KVA, DEMAND LOAD
95.0% DEMAND LOAD FACTOR

B*: BRANCH CIRCUIT SIZE (MINIMUM CIRCUIT SIZE IS #12 WITH #12 GROUND).
1. 2#10,1#10G,1/2"C.
2. 2#8,1#10G,3/4"C.
3. 2#6,1#10G,1"C.



ESTIMATED 100 KVA PEAK LOAD

B RISER DIAGRAM

ORIGINAL SCALE: NONE

PANELBOARD SCHEDULE "C"

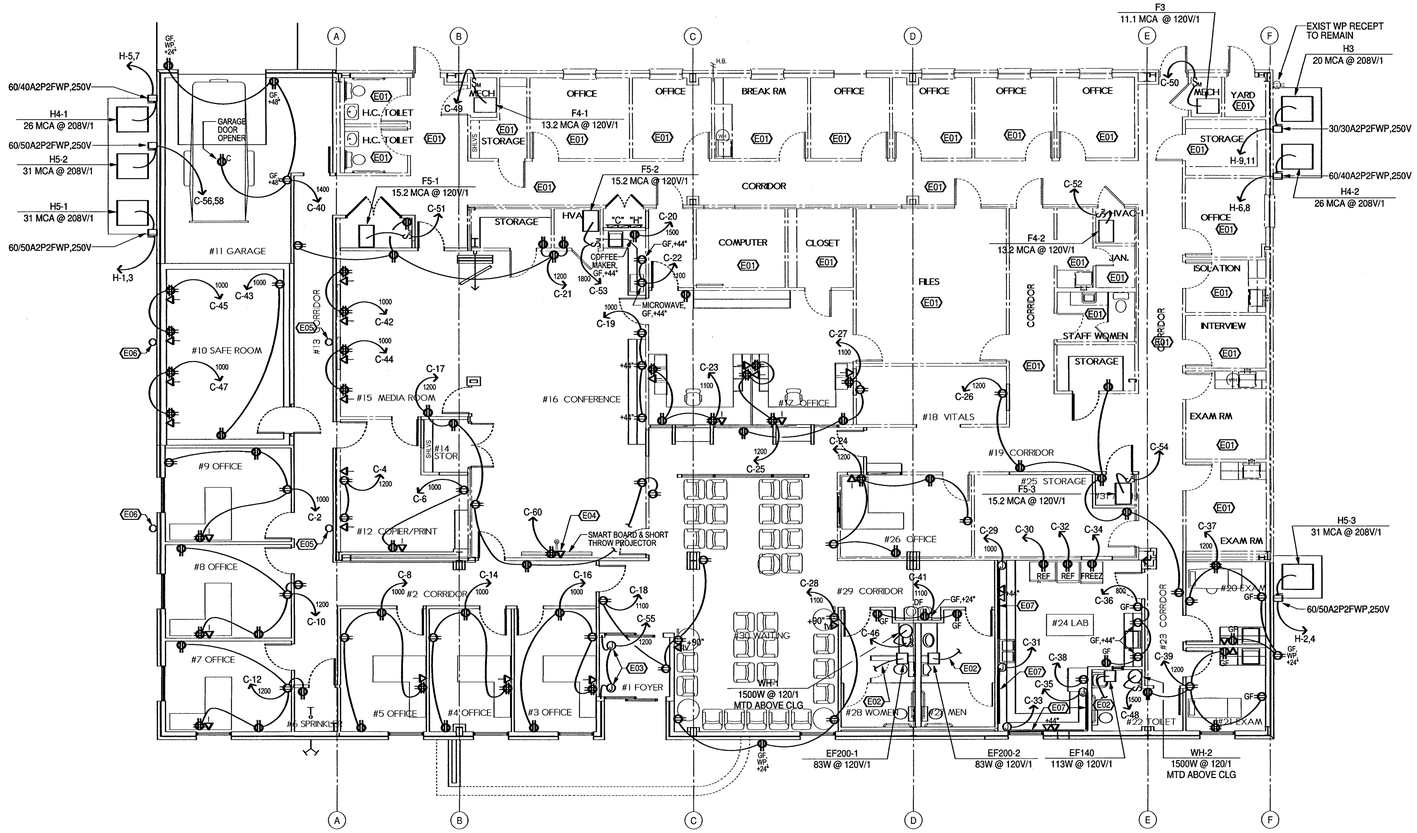
VOLTAGE: 120/240V, 1PH, 3W — MAIN: 200 AMP M.L.O.
TYPE: LOAD CENTER, CKT BKR, TWO SECTION — MIN INTEGRATED EQUIP SHORT CIRCUIT RATING: 10000 AMPS
ENCLOSURE: NEMA 1, SURFACE — FEEDER: 3#250,1#6G,2.5"C.

CIRC.	VA	BREAKER	B*	SERVICE	PH	CIRC.	VA	BREAKER	B*	SERVICE
1	1535	20A1P	1	LIGHTS	A	2	1000	20A1P	1	RECEPTACLES
3	1265	20A1P	1	LIGHTS	B	4	1200	20A1P	1	RECEPTACLES
5	1575	20A1P	1	LIGHTS	A	6	1000	20A1P	1	RECEPTACLES
7	1475	20A1P	1	LIGHTS	B	8	1000	20A1P	1	RECEPTACLES
9	1300	20A1P	1	LIGHTS	A	10	1200	20A1P	1	RECEPTACLES
11	1690	20A1P	1	LIGHTS, EF140, EF200-1&2	B	12	1200	20A1P	1	RECEPTACLES
13	200	20A1P	1	OUTSIDE LIGHTS	A	14	1000	20A1P	1	RECEPTACLES
15	655	20A1P **	1	NT LTS & EXITS	B	16	1000	20A1P	1	RECEPTACLES
17	1200	20A1P	1	RECEPTACLES	A	18	1100	20A1P	1	RECEPTACLES
19	1000	20A1P	1	RECEPTACLES	B	20	1500	20A1P	1	COFFEE MAKER
21	1200	20A1P	1	RECEPTACLES	A	22	1100	20A1P	1	MICROWAVE
23	1100	20A1P	1	RECEPTACLES	B	24	1200	20A1P	1	RECEPTACLES
25	1200	20A1P	1	RECEPTACLES	A	26	1200	20A1P	1	RECEPTACLES
27	1100	20A1P	1	RECEPTACLES	B	28	1100	20A1P	1	RECEPTACLES
29	1000	20A1P	1	LAB WIREWAY	A	30	800	20A1P	1	LAB REFRIGERATOR
31	1000	20A1P	1	LAB WIREWAY	B	32	800	20A1P	1	LAB REFRIGERATOR
33	1000	20A1P	1	LAB WIREWAY	A	34	800	20A1P	1	LAB FREEZER
35	1000	20A1P	1	LAB WIREWAY	B	36	800	20A1P	1	LAB RECEPTACLES
37	1000	20A1P	1	RECEPTACLES	A	38	800	20A1P	1	LAB REFRIGERATOR
39	1200	20A1P	1	RECEPTACLES	B	40	1400	20A1P	1	GAR DOOR & RECPT
41	1100	20A1P	1	OF & RECEPTS	A	42	1000	20A1P	1	RECEPTACLES
43	1000	20A1P	1	RECEPTACLES	B	44	1000	20A1P	1	RECEPTACLES
45	1000	20A1P	1	RECEPTACLES	A	46	1500	20A1P	1	WH-1
47	1000	20A1P	1	RECEPTACLES	B	48	1500	20A1P	1	WH-2
49	1585	20A1P	1	F4-1	A	50	1335	20A1P	1	F3
51	1800	20A1P	1	F5-1	B	52	1585	20A1P	1	F4-2
53	1800	20A1P	1	F5-2	A	54	1585	20A1P	1	F5-3
55	1000	20A1P	1	ELECTRIC DOORS	B	56	6000	50A2P	2	H5-2
57	1000	20A1P		SPARE	A	58	6000	/		/
59	1000	20A1P		SPARE	B	60	500	20A1P	1	SMART BOARD
61	1000	20A1P		SPARE	A	62	1000	20A1P		SPARE
63	1000	20A1P		SPARE	B	64	1000	20A1P		SPARE
65	1000	20A1P		SPARE	A	66	1000	20A1P		SPARE
67	1000	20A1P		SPARE	B	68	1000	20A1P		SPARE
69	500	20A1P **	1	FIRE ALARM PANEL	A	70				SPACE ONLY
71				SPACE ONLY	B	72				SPACE ONLY

43615 TOTAL VA, PHASE "A"
43070 TOTAL VA, PHASE "B"
86.7 KVA, TOTAL CONNECTED
48 KVA, DEMAND LOAD
55.5% DEMAND LOAD FACTOR

B*: BRANCH CIRCUIT SIZE (MINIMUM CIRCUIT SIZE IS #12 WITH #12 GROUND).
1. 2#12,1#12G,1/2"C.
2. 2#6,1#10G,3/4"C.

** LABEL BKR "DO NOT TURN OFF"



WAGONER HEALTH DEPARTMENT

A POWER/COMM PLAN

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

GENERAL ELECTRICAL NOTES

1. ALL CONDUIT IN CEILING SPACE TO BE INSTALLED AS AS POSSIBLE AND SUPPORTED FROM BUILDING STRUCTURE. RUN CONDUIT IN STRAIGHT LINES AT RIGHT ANGLES OR PARRALLEL WITH WALLS, BEAMS AND COLUMNS. DO NOT SUPPORT CONDUIT FROM CEILING GRID.

ELECTRICAL KEYNOTES

E01 EXISTING SPACE, NO ELECTRICAL POWER WORK THIS AREA.

E02 EXHAUST FAN TO BE SERVED BY LIGHTS IN TOILET. FAN TO BE CONTROLLED BY LIGHT SWITCH IN TOILET.

E03 JUNCTION BOX WITH BLANK COVER MOUNTED ABOVE CEILING FOR ELECTRIC DOOR OPERATOR. INSTALL 2#12,1#12G IN 1/2" FLEXIBLE CONDUIT FROM JUNCTION BOX TO POWER SUPPLY UNIT AND WIRE PER MANUFACTURER'S INSTRUCTIONS.

E04 DATA BOX IS LOCATED AT 18" A.F.F. THERE WILL BE ANOTHER DATA BOX LOCATED DIRECTLY ABOVE IN WALL. INSTALL 3/4" EMT FROM LOWER BOX TO THE BOX ABOVE. COORDINATE HEIGHT OF THE HIGH BOX WITH THE PROJECTOR SUPPLIER.

E05 APPROXIMATE LOCATION OF EXISTING ANTENNA ON SIDE OF BUILDING. REMOVE AND REINSTALL AT LOCATION SHOWN ON PLANS.

E06 INSTALL EXISTING ANTENNA ON SIDE OF BUILDING AT THIS LOCATION. REWIRE CABLE AS REQUIRED.

E07 PLUGMOLD #2000 STEEL MULTIOUTLET SYSTEM WITH SNAPCOIL HARNESS. INSTALL PLUGMOLD #V20GB18 IN THE LENGTHS THAT ARE SHOWN ON PLAN. FINISH TO BE GRAY COLOR. MOUNTING HEIGHT TO BE 53" A.F.F. TO TOP OF PLUGMOLD. PROVIDE AND INSTALL ALL OF THE FITTINGS REQUIRED TO MAKE A COMPLETE INSTALLATION.

ELECTRICAL POWER SYMBOLS

* * * ALL OF THESE SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT * * *

RECEPTACLES:

REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- DUPLEX OUTLET, 120 VOLT
- QUAD RECEPTACLE OUTLET, 120 VOLT
- SINGLE OUTLET, SPECIAL PURPOSE
- 240 VOLT RECEPTACLE
- TELEPHONE OUTLET
- COMMUNICATION OUTLET
- TV CABLE OR ANTENNA OUTLET

RECEPTACLE SUBSCRIPTS AND NOTATIONS:

SUBSCRIPT LETTERS AND NOTATIONS ARE USED TO INDICATE TYPE, FUNCTION OR MOUNTING METHOD.

- +48" MOUNTING HEIGHT, 48" INDICATED
- WP WEATHERPROOF
- T TAMPERPROOF
- GF GROUND FAULT INTERRUPTER
- C CEILING MOUNT

SIGNALING SYSTEMS:

SUBSCRIPT NUMBER OR LETTER(S) INDICATES PARTICULAR TYPE OF DEVICE. REFER TO SYMBOL LEGEND ON PLANS FOR PARTICULAR SYSTEMS USED IN PROJECT.(Graphic symbols based on ANSI Y32.9-1972)

- FS FIRE ALARM SYSTEM DEVICE

PANELBOARD, SWITCHBOARD AND RELATED EQUIPMENT:

- FLUSH MOUNTED PANELBOARD
- SURFACE MOUNTED PANELBOARD
- FLUSH MOUNTED COMPONENT ENCLOSURE
- SURFACE MOUNTED COMPONENT ENCLOSURE
- SWITCHBOARD OR MOTOR CONTROL CENTER
- SAFETY DISCONNECT SWITCH

MISCELLANEOUS SYMBOLS:

- THERMOSTAT
- REMOTE CONTROL STATION
- JUNCTION BOX
- MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION

ELECTRICAL CIRCUITING

- CONDUIT AND WIRING CONCEALED IN CEILING OR WALL. CONDUIT AND WIRING EXPOSED AS ALLOWED PER SPECIFICATIONS.
- CONDUIT AND WIRING CONCEALED BELOW FLOOR OR GRADE.
- BRANCH CIRCUIT HOME RUN TO PANELBOARD, SWITCHBOARD OR MOTOR CONTROL CENTER. SINGLE CIRCUIT, MULTI-CIRCUIT AND THREE PHASE CIRCUITS HAVE ONLY ONE ARROW. SINGLE CIRCUIT INCLUDES ONE (1) PHASE, (1) NEUTRAL AND ONE (1) GROUND WIRE. 3 PHASE CIRCUIT REQUIRES A 4-WIRE CIRCUIT (3-PHASE & 1-GROUND). MULTIWIRE BRANCH CIRCUIT ARE ALLOWED (SEE BELOW FOR CIRCUITING).
- CONTROL WIRING OR LOW VOLTAGE WIRING IN CONDUIT.

HOMERUN GROUPING: HOMERUN GROUPING IS ALLOWED; DO NOT EXCEED SIX (6) PHASE WIRES PER HOMERUN CONDUIT. DERATE PER NEC.

MULTIWIRE BRANCH CIRCUITS:
1. ALL HOSPITAL AND ALL 277V BRANCH CIRCUITS TO INCLUDE A NEUTRAL FOR EACH PHASE (HOT) WIRE. LIM CIRCS EXCLUDED.
2. ALL CIRCUITS SUPPLYING COMPUTERS ONLY TO INCLUDE A NEUTRAL FOR EACH PHASE (HOT) WIRE.
3. ALL OTHERS: COMPLY WITH MINIMUM REQUIREMENTS OF NEC 2008 SECTION 210.4, B AND D.

REGISTERED PROFESSIONAL ENGINEER — W. GLENN MARTIN 8102 — OKLAHOMA

Digitally signed by: W. Glenn Martin, P.E.
Date: 2012.02.01 09:23:10 -06'00'
Reason: I am approving this document

DIGITAL SIGNATURE

REVISIONS

WAGONER COUNTY HEALTH DEPARTMENT 2011

WAGONER, OKLAHOMA

est. 1978
property arts inc.
architecture
3220 w. lansing st. broken arrow, oklahoma 74012
918-485-4577

MEDI 12pa1

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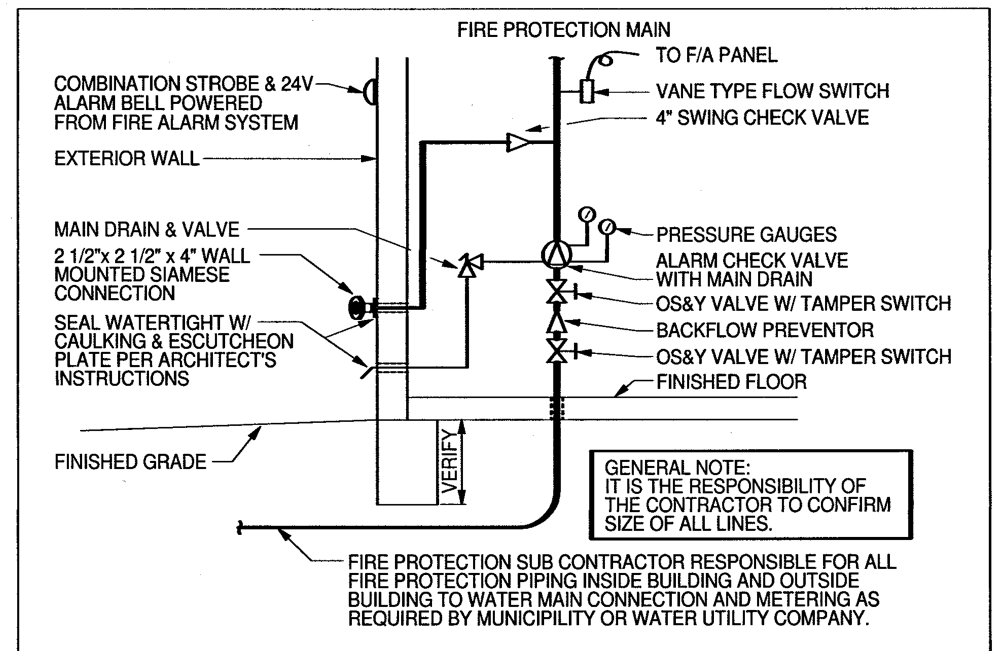
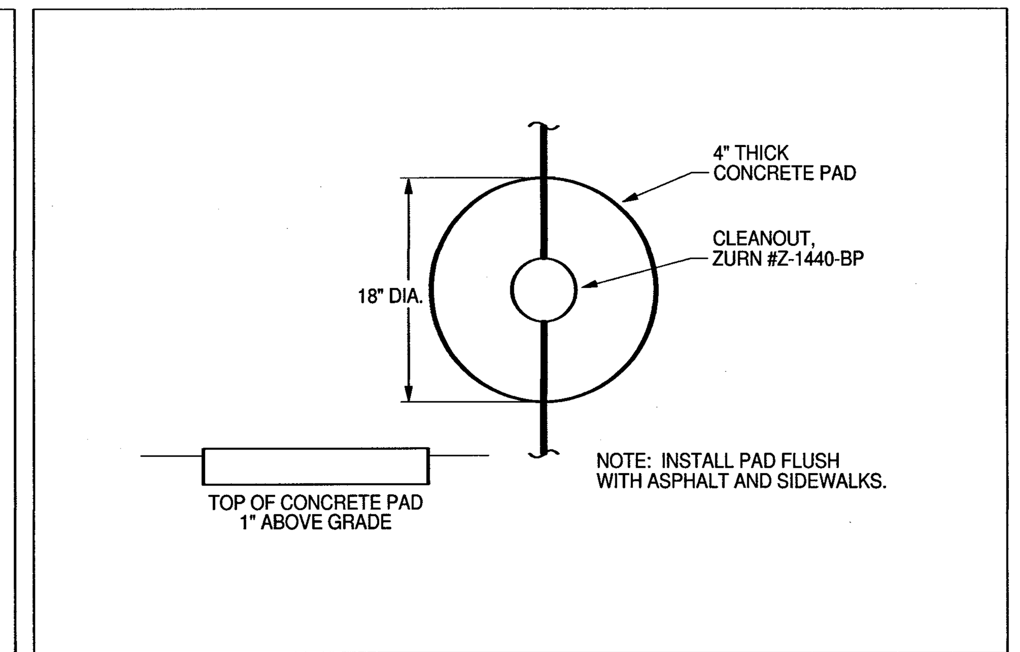


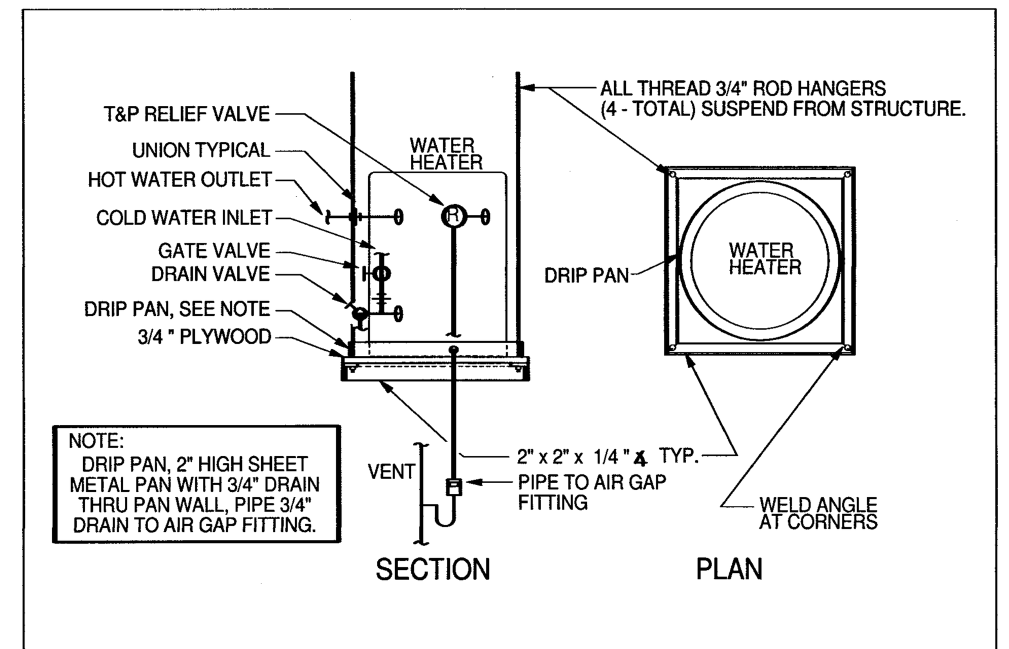
B FIRE PROTECTION PIPING DETAIL

NO SCALE, SINGLE ZONE



C EXTERIOR CLEANOUT

NO SCALE



D WATER HEATER DETAIL

NO SCALE, MOUNT WATER HEATER ABOVE CEILING

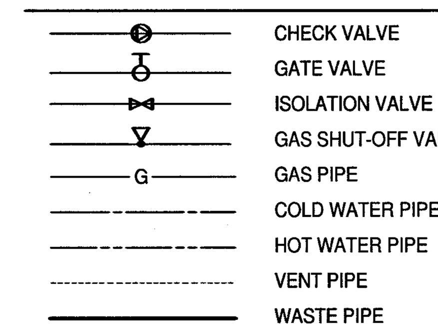
GENERAL PLUMBING NOTES

1. PAINT ALL EXPOSED UNINSULATED PIPE (PIPING VISIBLE IN MECHANICAL ROOMS OR OUTSIDE). REMOVE RUST AND PREP PIPE PROPERLY PRIOR TO PAINTING OR INSULATING PIPE. USE ARCHITECT'S INSTRUCTION FOR PAINT COLOR.
2. INSTALL DOMESTIC WATER PIPING ABOVE CLG & BELOW INSULATION SO THAT NONE OF THE PIPING IS EXPOSED TO UNINSULATED SPACE.
3. SET PRESSURE REDUCER TO MAX. OF 80LBS.
4. PAINT ALL EXISTING AND NEW PENETRATIONS THRU BUILDING EXTERIOR TO MATCH BUILDING.
5. ALL PIPING PENETRATIONS IN WALLS AND SLAB TO BE COORDINATED WITH GC/CONSTRUCTION MANAGER AND ARCHITECT. DO NOT SCALE LOCATIONS OFF THIS PLAN.
6. CONTRACTOR TO CLEAN OUT THE EXISTING BUILDING WASTE AND SANITARY SEWER TO THE NEAREST EXISTING MANHOLE AT THE APARTMENTS.

PLUMBING KEYNOTES

- P01 SLEEVE GAS PIPING THROUGH EXTERIOR WALL @ 12" A.F.F. INSTALL LOW PRESSURE REGULATOR AND SHUT-OFF.
- P02 GAS PIPE UP INSIDE WALL TO BOTTOM OF ROOF STRUCTURE.
- P03 SHUTOFF VALVE FOR WATER SUPPLY TO BUILDING W/ BACKFLOW PREVENTOR.
- P04 REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING. REMOVE VENT PENETRATIONS THRU ROOF. CAP EXISTING WATER ABOVE CEILING. SEAL & REPAIR WASTE PENETRATIONS IN FLOOR, READY FOR NEW FLOORING.

PLUMBING PIPING SYMBOLS



PLUMBING ABBREVIATIONS

CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
W	WASTE
V	WASTE VENT
VTR	WASTE VENT THROUGH ROOF
CO	WASTE LINE CLEAN OUT
G	NATURAL GAS
D	CONDENSATE DRAIN
FS	FIRE SPRINKLER

FIRE SPRINKLER SYSTEM

ALL AREAS WITHIN NEW AND EXISTING BUILDING TO BE FULLY SPRINKLED. CONTRACTOR TO VERIFY SIZE OF NEW SPRINKLER LINE TO SERVE BUILDING. CONTRACTOR TO VERIFY SERVICE CAPACITY AND UPGRADE AS REQUIRED. SPECIFICATION IS A PERFORMANCE SPEC.

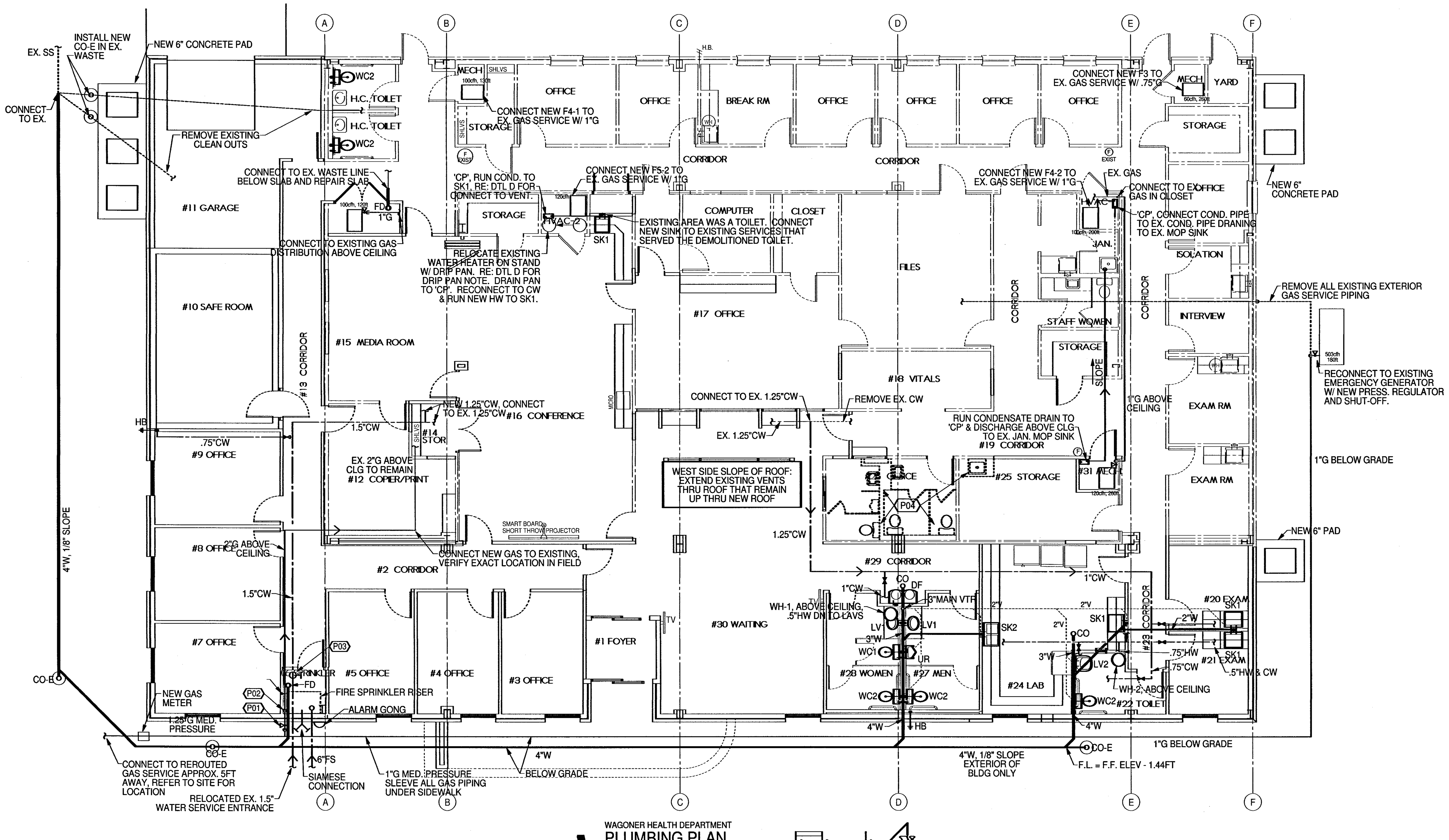
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	NOTE
CP	CONDENSATE PUMP, DIVERSITECH #CP-22, 1.9A @ 120V/1 4 INLET HOLES, INTEGRAL FLOAT SWITCH & REPLACEABLE CHECK VALVE. CONNECT PUMP TO OUTLET.	
CO	REFER TO SPEC. MANUAL.	
DF	ELECTRIC WATER COOLER, WALL MOUNT, TWO LEVEL, ADA. ELKAY EZSTL-8-C. WALL HANGER, 1 1/4" 17GA P-TRAP W/C.O., FLEX RISER & L.K. STOP, 3.7FLA @ 120V/1 SERVICE. MT ONE @ STD HT AND ONE @ ADA HT & CLEARANCE DIM. 1.5"W, 1.5"V, .5"CW.	
FD	FLOOR DRAIN, 3" STANDARD DUTY, 6" DIA. POLISHED NICKEL STRAINER. ZURN #ZN-415 STANDARD SAN. P-TRAP W/ 'SURE-SEAL' WATERLESS TRAP SEALER, 3"W, 1.5"V.	
HB	HOSE BIBB, EXPOSED, 3/4" FREEZE PROOF, WALL MOUNT. ZURN #Z-1321-PB. ANTI-SIPHON, AUTOMATIC DRAINING, 1/2 TURN CERAMIC DISC. .75"CW.	
LV1	LAVATORY, OVAL, 20"x17", SELF RIM, WHITE, CRANE #1280V. 1 1/4" 17GA P-TRAP W/C.O., SLOAN OPTIMA EAF-150-ISM BATTERY-POWERED SENSOR-OPERATED FAUCET W/ .5GPM SPRAY NOZZLE, MCGUIRE 155WC OFFSET DRAIN. FLEX RISERS & L.K. STOPS. 1.5"W, 1.5"V, .5"CW, .5"HW.	
LV2	ROUNDED LAV., WALL MOUNT, 21"x22", WHITE. AMER. STANDARD MURRO #0955.000. SMITH #700Z CARRIER, 1 1/4" 17GA P-TRAP W/C.O., SLOAN OPTIMA EAF-150-ISM BATTERY-POWERED SENSOR-OPERATED FAUCET W/ .5GPM SPRAY NOZZLE, MCGUIRE 155WC OFFSET DRAIN, ADA W/ RIM HT OF 34" A.F.F., 3/8" FLEX RISERS & L.K. STOPS, INCLUDE OPTIONAL SHROUD. 1.5"W, 1.5"V, .5"CW, .5"HW.	
SK1	SINGLE SINK, 3 HOLE, SELF RIM, 25"x21"x6.5"D. ELKAY #LRAD2521. 1 1/2" 17GA P-TRAP W/C.O., DELTA #711-WHFDF SINGLE HANDLE GOOSENECK ADA FAUCET W/ LAM. FLOW NOZZLE, OFF-CENTERED REAR LK-35 DRAIN, FLEX RISERS & L.K. STOPS. 2"W, 1.5"V, .5"CW, .5"HW.	
SK2	DOUBLE SINK, 3 HOLE, SELF RIM, 33"x19"x10"D. ELKAY #DLR331910. 1 1/2" 17GA P-TRAP W/C.O., DELTA #711-WHFDF SINGLE HANDLE GOOSENECK ADA FAUCET W/ LAM. FLOW NOZZLE, LK-35 DRAIN, 3/8" FLEX RISERS & L.K. STOPS. 2"W, 1.5"V, .5"CW, .5"HW.	
UR	URINAL, WALL MT, ADA, FLUSH VALVE, WHITE, AMERICAN STANDARD 6550.005, ZURN #ZER6003AV-EWS-CPM (.5GPF) BATTERY-POWERED SENSOR-OPERATED FLUSH VALVE, ZURN ZR-1221 CARRIER. 2"W, 1.5"V, .75"CW.	
WC1	WATER CLOSET, FLOOR MT, TANK TYPE (1.28 GPF), ADA, 16.5" RIM HEIGHT, ELONGATED BOWL, WHITE, EVERCLEAN ANTI-MICROBIAL SURFACE. AMERICAN STANDARD #2235.128. FLEX RISERS & L.K. STOPS, BOLT CAPS, STD. TANK FITTINGS, OLSONITE 95 WHITE SEAT. 4"W, 2"V, 1/2"CW. *INSTALL MODEL W/ FLUSH TRIP LEVER ON WIDER SIDE OF STALL.	
WC2	WATER CLOSET, FLOOR MT, TANK TYPE (1.28 GPF), NOM. 16.5" RIM HEIGHT, ELONGATED BOWL, WHITE, EVERCLEAN ANTI-MICROBIAL SURFACE. AMERICAN STANDARD #2235.128. FLEX RISERS & L.K. STOPS, BOLT CAPS, STD. TANK FITTINGS, OLSONITE 95 WHITE SEAT. 4"W, 2"V, 1/2"CW.	
WH	ELECTRIC WATER HEATER, GLASS LINED, INSULATED, SHELF MOUNT, HEATING ELEMENT 1500 WATTS @ 120V/1 SERVICE. A.O. SMITH #DEL-10. 3/4" WATER INLET & OUTLET. 10 GALLON TANK. INCLUDE AMTROL #ST-5-C EXPANSION TANK.	

GENERAL NOTES:

- FURNISH AND INSTALL HYDRO-PNEUMATIC WATER HAMMER ARRESTORS, SIZE AS REQUIRED; CONFORM TO A.S.S.E. STD. 101. INSTALL ON BOTH COLD AND HOT WATER PIPING SYSTEMS IN ACCORDANCE WITH MINIMUM LOCAL AND STATE CODE REGULATIONS AND REQUIREMENTS. ZURN #Z-1700 APPROVED. ADDITIONALLY, INSTALL AIR CHAMBER ARRESTORS AT ALL NEW FIXTURES FOR BOTH HOT AND COLD WATER PIPING.
- PROVIDE AND INSTALL "TRUEBRO" FULLY MOLDED WHITE COLOR INSULATION KIT ON EXPOSED HOT WATER PIPING AND VALVES AND WASTE PIPING ON ALL LAVATORIES WITH EXPOSED PIPING.

1. EQUAL PRODUCTS MANUFACTURED BY ZURN, JOSAM, SYMMONS, CRANE, KOHLER, DELANY, ACORN, FLORESTONE, GUARDIAN, MCGUIRE, MCGUIRE PROWRAP, ELKAY, JUST, WATTS, AND WOODFORD THAT MEET OR EXCEED THE QUALITY & PERFORMANCE OF THE SPECIFIED PRODUCT ARE APPROVED.
2. EQUAL PRODUCTS MANUFACTURED BY RHEEM, A.O. SMITH & BRADFORD WHITE THAT MEET OR EXCEED THE QUALITY AND PERFORMANCE OF THE SPECIFIED PRODUCT ARE APPROVED TO BID.



A WAGONER HEALTH DEPARTMENT
PLUMBING PLAN
ORIGINAL SCALE: 1/8" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER W. GLENN MARTIN 8102 OKLAHOMA

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REVISIONS

WAGONER COUNTY HEALTH DEPARTMENT RENOVATION 2011

WAGONER, OKLAHOMA

property arts inc. architects est. 1978
5320 w. lansing st. broken arrow, oklahoma 74012
918-485-4577

MEDI 12pa1

JOB : 1115
DATE: 01-31-2012
SHEET NUMBER
M1.1

MARTIN ENGINEERING DESIGN, Inc. 918-493-2712 voice 6216 South Lewis Ave., Suite 115, Tulsa, Ok. 74136 CA816 Expires 06/30/2013

EXHAUST EQUIPMENT SCHEDULE

MARK	DESCRIPTION
EF140	CLG MOUNT EXH. FAN (DIRECT DRIVE), 140CFM @ 0.3"SP, 113WATTS @ 120V/1. GREENHECK #SP-A190. INCLUDE SSSC, INTEGRAL ELECTRICAL DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATION KIT. SWITCH FAN ON/OFF WITH LIGHTS.
EF200	CLG MOUNT EXH. FAN (DIRECT DRIVE), 200CFM @ 0.35"SP, 83WATTS @ 120V/1. GREENHECK #SP-A250. INCLUDE SSSC, INTEGRAL ELECTRICAL DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATION KIT. SWITCH FAN ON/OFF WITH LIGHTS.

GENERAL NOTES:
- NUMBER ON PLANS BEHIND "MARK" INDICATES CFM.
- PRODUCTS AS MANUFACTURED BY LOREN COOK & TWIN CITY THAT MEET OR EXCEED THE QUALITY & PERFORMANCE OF THAT SPECIFIED ARE APPROVED TO BID.
- VERIFY ONLY "ONE" BACKDRAFT DAMPER PER SYSTEM.
- SSSC - SOLID STATE SPEED CONTROLLER. MOUNT AT UNIT.

DIFFUSER, REGISTER & GRILLE SCHEDULE

MARK	DESCRIPTION	NOTES
SA	CEILING DIFFUSER, SQ. PLAQUE, ROUND NECK, 24"x24" LAY-IN PRICE #ASPD/31. ALUMINUM, WHITE.	1
SB	CEILING DIFFUSER, SQ. PLAQUE, ROUND NECK, 24"x12" LAY-IN PRICE #ASPD/31. STEEL, WHITE.	1
RA	RETURN GRILLE, EGG CRATE, 24"x12" LAY-IN PRICE #80. ALUMINUM, WHITE.	2
RB	RETURN GRILLE, EGG CRATE, 24"x24" LAY-IN PRICE #80/TB. ALUMINUM, WHITE.	2

GENERAL NOTE:
- NUMBER ON PLANS BEHIND "MARK" INDICATES CFM.
- EQUAL PRODUCTS MANUFACTURED BY METALAIRE, TITUS, NAILOR & KRUEGER ARE APPROVED. - NON-ALUMINUM DIFFUSERS ARE NOT APPROVED.

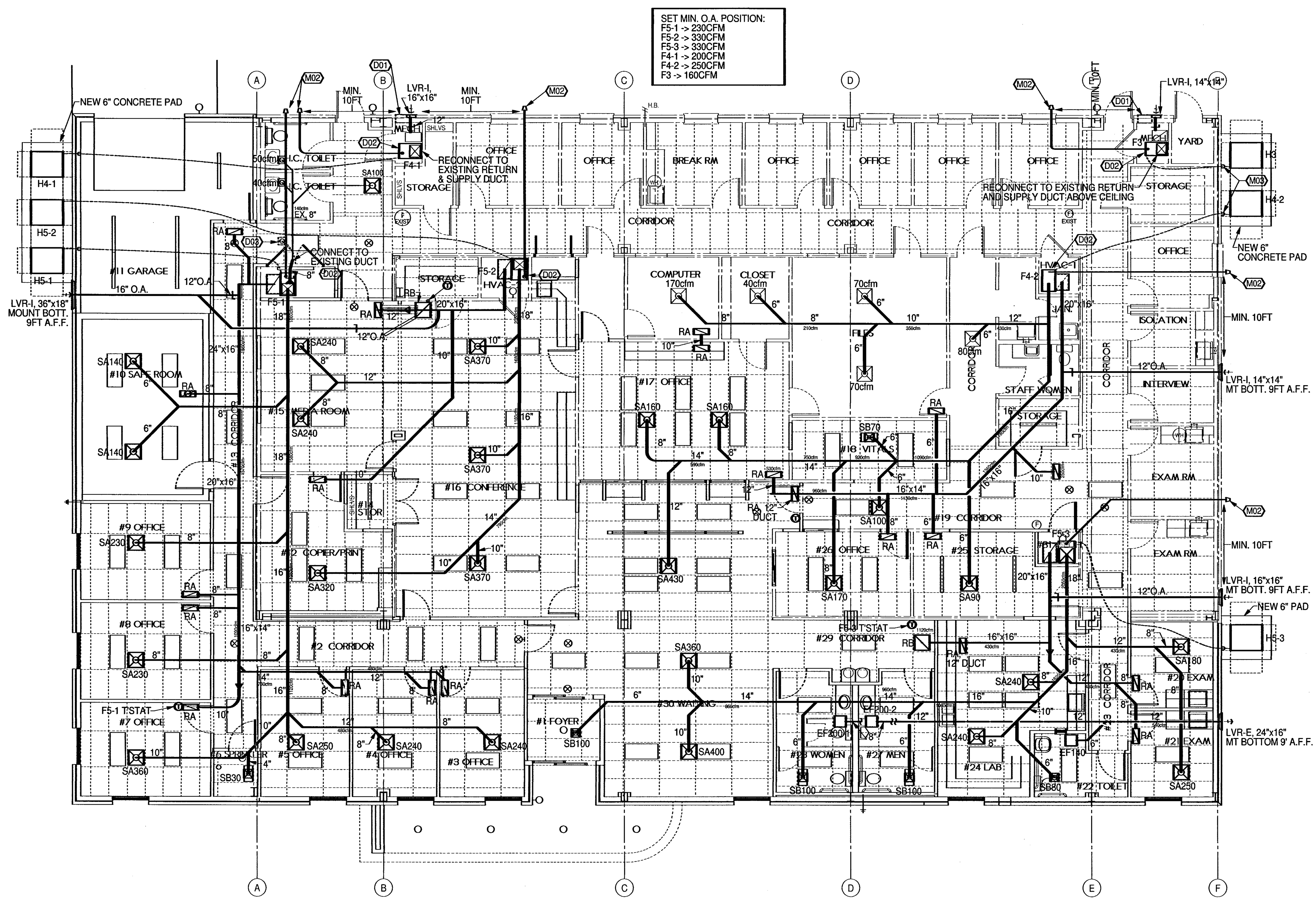
1. NECK SIZE TO BE STANDARD SIZE EQUAL TO OR GREATER THAN SUPPLY DUCT.
2. PAINT INSIDE OF LOUVER/REGISTER FLAT BLACK.

HVAC EQUIPMENT SCHEDULE

MARK	DESCRIPTION	NOTES
H3	SPLIT SYSTEM TWO STAGE HEAT PUMP UNIT, 36 MBH CLG CAP. AT ARI CONDITIONS (SEER > 18), 14 MBH HTG CAP. @ 7°F O.A., 20MCA, 30A MOCP, 208V/1. TRANE #4TWZ0036. INCLUDE MATCHING COIL, HAIL GUARD AND SUPPORT FEET.	
F3	UPFLOW CONDENSING GAS FURNACE WITH VARIABLE SPEED ECM BLOWER, 1ST STAGE HTG INPUT-39MBH & OUTPUT-37.8MBH, 2ND STAGE HTG INPUT-60MBH & OUTPUT-58.2MBH, NOM. 1,200CFM @ .4"ESP, 11.1MCA, 15A MOCP @ 120V/1. TRANE #TUH2B060.	1
H4	SPLIT SYSTEM TWO STAGE HEAT PUMP UNIT, 45.5 MBH CLG CAP. AT ARI CONDITIONS (SEER > 17.5), 18.6 MBH HTG CAP. @ 7°F O.A., 26MCA, 40A MOCP, 208V/1. TRANE #4TWZ0048. INCLUDE MATCHING COIL, HAIL GUARD AND SUPPORT FEET.	
F4	UPFLOW CONDENSING GAS FURNACE WITH VARIABLE SPEED ECM BLOWER, 1ST STAGE HTG INPUT-65MBH & OUTPUT-61.8MBH, 2ND STAGE HTG INPUT-100MBH & OUTPUT-95MBH, NOM. 1,650CFM @ .4"ESP, 13.5MCA, 20A MOCP @ 120V/1. TRANE #TUH2C100.	1
H5	SPLIT SYSTEM TWO STAGE HEAT PUMP UNIT, 56.5 MBH CLG CAP. AT ARI CONDITIONS (SEER > 17), 24 MBH HTG CAP. @ 7°F O.A., 31MCA, 50A MOCP, 208V/1. TRANE #4TWZ0060. INCLUDE MATCHING COIL, HAIL GUARD & SUPPORT FEET.	
F5	UPFLOW CONDENSING GAS FURNACE WITH VARIABLE SPEED ECM BLOWER, 1ST STAGE HTG INPUT-78MBH & OUTPUT-74MBH, 2ND STAGE HTG INPUT-120MBH & OUTPUT-114MBH, NOM. 2,100CFM @ .4"ESP, 15.2MCA, 20A MOCP @ 120V/1. TRANE #TUH2D120.	1, 2

GENERAL NOTE:
- NUMBER ON PLANS BEHIND "MARK" INDICATES UNIT RATING IN TONS.
- EQUAL PRODUCTS MANUFACTURED BY AAON & YORK THAT MEET OR EXCEED THE QUALITY & PERFORMANCE OF THAT SPECIFIED ARE APPROVED TO BID.

1. INSTALL NEW/REPLACE EXISTING HVAC T'STATS WITH NEW 7-DAY PROGRAMMABLE, AUTOMATIC CHANGE-OVER NIGHT SETBACK, 2 STAGE COOL, 4 STAGE HEAT (T'STAT 3RD STAGE HEAT TO RUN FURNACE'S 1ST STAGE HEAT. T'STAT 4TH STAGE HEAT TO RUN FURNACE'S 2ND STAGE HEAT.), ELECTRONIC THERMOSTAT WITH PROGRAM/KEYPAD LOCKOUT & TEMPORARY OVER-RIDE BUTTON.
2. RETURN AIR SMOKE DETECTOR SUPPLIED & WIRED BY FIRE ALARM SUBCONTRACTOR, INSTALLED BY HVAC SUBCONTRACTOR. PROVIDE AUTOMATIC UNIT SHUTDOWN & AUDIBLE ALARM PER CODE.



A WAGONER HEALTH DEPARTMENT
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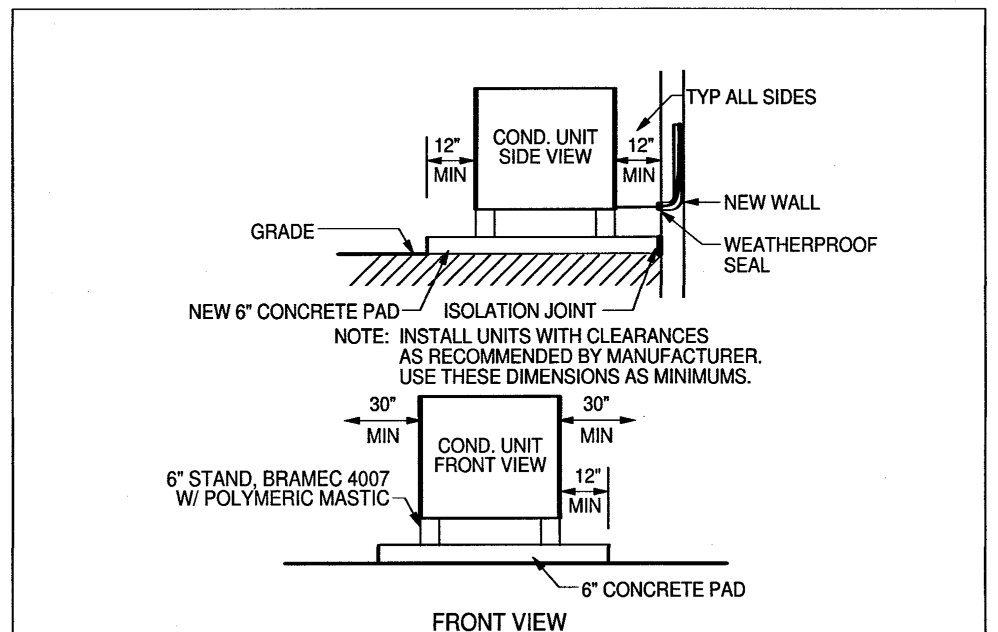
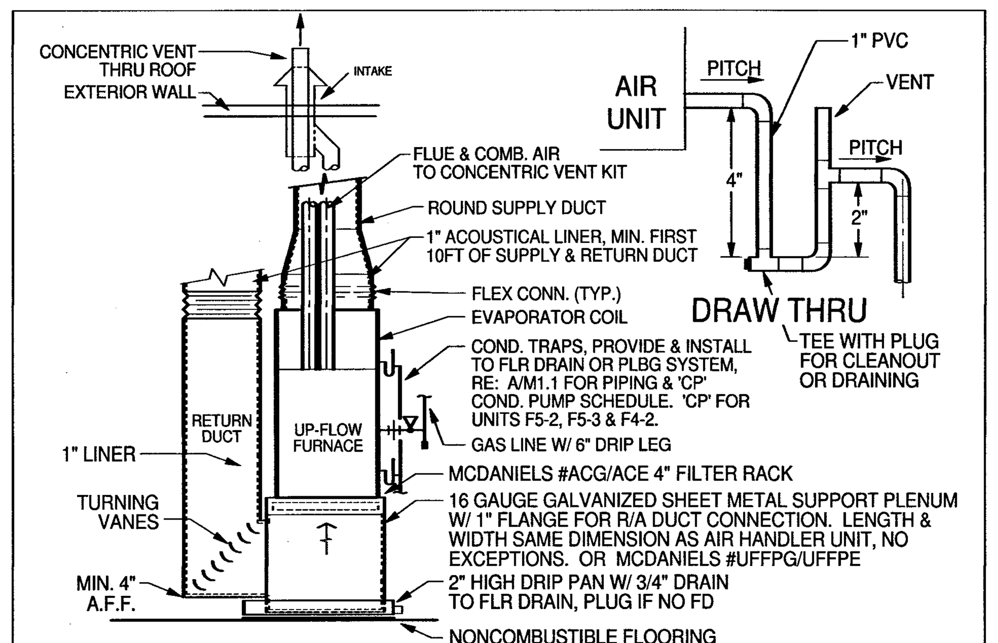
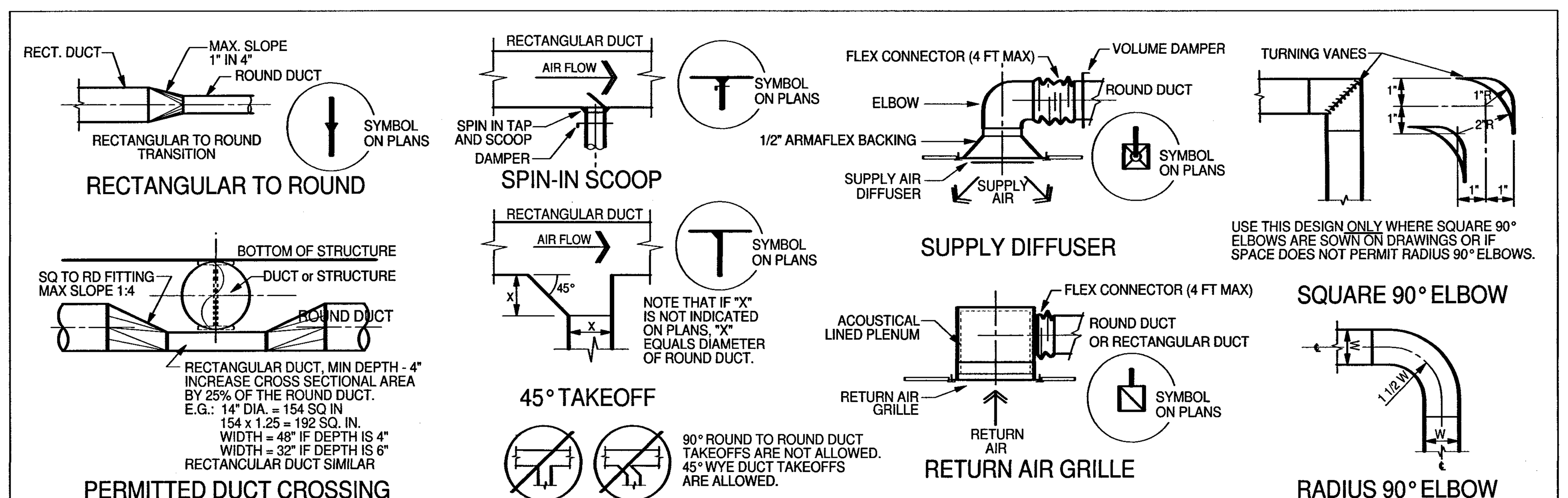


B CONDENSING UNIT DETAIL
NO SCALE



C TYPICAL HEAT PUMP "AU" DETAIL
NO SCALE



D DUCTWORK DETAILS
NONE

ROUND SUPPLY and RETURN DUCTS: Use galvanized sheet metal manufactured duct. Spiral round duct, either manufactured or shop fabricated, is approved. Adjustable elbows and snap-lock duct work is NOT allowed. Install ONLY wye taps, 90 degree taps are NOT allowed. Use Aluminum duct in wet areas. All square to round duct to be furnished with square to round transitions. Plenum taps are not allowed unless specifically indicated on plans. Elbow at supply diffuser as indicated WILL be required. Call for inspection prior to insulation work.

GENERAL MECHANICAL NOTES

1. PAINT ALL ROOF & WALL MTD EXH. FANS AND PENETRATIONS THRU BLDG TO MATCH BUILDING EXTERIOR.
2. INSTALL 1" ARMAFLEX ON THE BACK OF ALL NEW SUPPLY AIR DIFFUSERS TO PREVENT CONDENSATION.
3. MAINTAIN MINIMUM 10FT SEPARATION BETWEEN OUTSIDE AIR INTAKES AND FLUES/EXHAUST OUTLETS.
4. SUBCONTRACTOR TO VISIT SITE PRIOR TO BID.
5. INSTALL NEW THERMOSTATS WITH ALL NEW FURNACE UNITS.

MECHANICAL KEYNOTES

- M01 CONNECT NEW CONDENSATE DRAIN TO EXISTING.
- M02 RUN NEW FLUE & C.A. DUCTS UP ABOVE CEILING AND OVER TO CONCENTRIC VENT TERMINATION KIT. RUN AS STRAIGHT AS PRACTICAL.
- M03 RUN NEW REFRIGERANT LINES UP EXTERIOR WALL TO ABOVE CEILING HEIGHT WITH LINESET COVER.

MECHANICAL SYMBOLS

- RETURN AIR GRILLE
- CEILING SUPPLY DIFFUSER
- EXHAUST GRILLE
- SIDEWALL RETURN GRILLE
- SIDEWALL SUPPLY REGISTER
- THERMOSTAT, MOUNT 54" A.F.F. TO CENTER
- DAMPER
- SQUARE TO ROUND FITTING
- ROUND OR RECTANGULAR DUCT
- 45° DUCT TAKEOFF
- SPIN-IN DUCT TAKEOFF

DEMOLITION KEYNOTES

- D01 REMOVE EXISTING COMBUSTION AIR LOUVERS AND INSTALL BRICK IN TO MATCH EXISTING BRICK EXTERIOR.
- D02 REMOVE EXISTING FURNACE INCLUDING FLUE & COMB. AIR PENETRATIONS THRU ROOF. REPAIR FLUE & COMBUSTION AIR OPENINGS IN ROOF.
- D03 REMOVE EX. SB50 AND BRANCH DUCT. SEAL OPENING IN MAIN SUPPLY DUCT.

REGISTERED PROFESSIONAL ENGINEER W. GLENN MARTIN 8102 OKLAHOMA

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Date: 2012.02.01 10:47:24 -06'00'
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property arts inc. est. 1978 architects
5320 W. Lansing St. broken arrow, oklahoma 74012
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MEDI 12pa1

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