

MISSOURI DEPARTMENT
OF TRANSPORTATION

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SUMMERSVILLE
Mechanics Bay & Cold Storage Building
Southeast District
235 Highway 17, Summersville, MO 65571
Texas County

CODE REQUIREMENTS

BUILDING CODE: ANALYSIS BASED ON 2013 INTERNATIONAL BUILDING CODE
2013 INTERNATIONAL PLUMBING CODE
2013 INTERNATIONAL MECHANICAL CODE
2013 NATIONAL ELECTRICAL CODE

USE GROUP: B(BUSINESS)
S-1 (MODERATE HAZARD STORAGE)

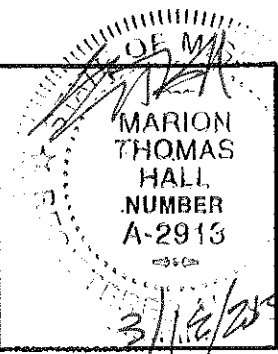
DESIGNED AS NON-SEPERATED USE GROUPS

CONSTRUCTION TYPE: VB COMBUSTIBLE, NON PROTECTED

ALLOWABLE AREA: 9000SF
PROPOSED AREA: 5700SF
BUSINESS: 800 SF
STORAGE: 4900 SF

ALLOWABLE HEIGHT: 2 STORY
PROPOSED HEIGHT: 1 STORY

OCCUPANT LOAD:
BUSINESS: 800SF/100SF PER OCCUPANT = 8 OCCUPANTS
STORAGE: 4900SF/500SF PER OCCUPANT = 10 OCCUPANTS
TOTAL: 18 OCCUPANTS



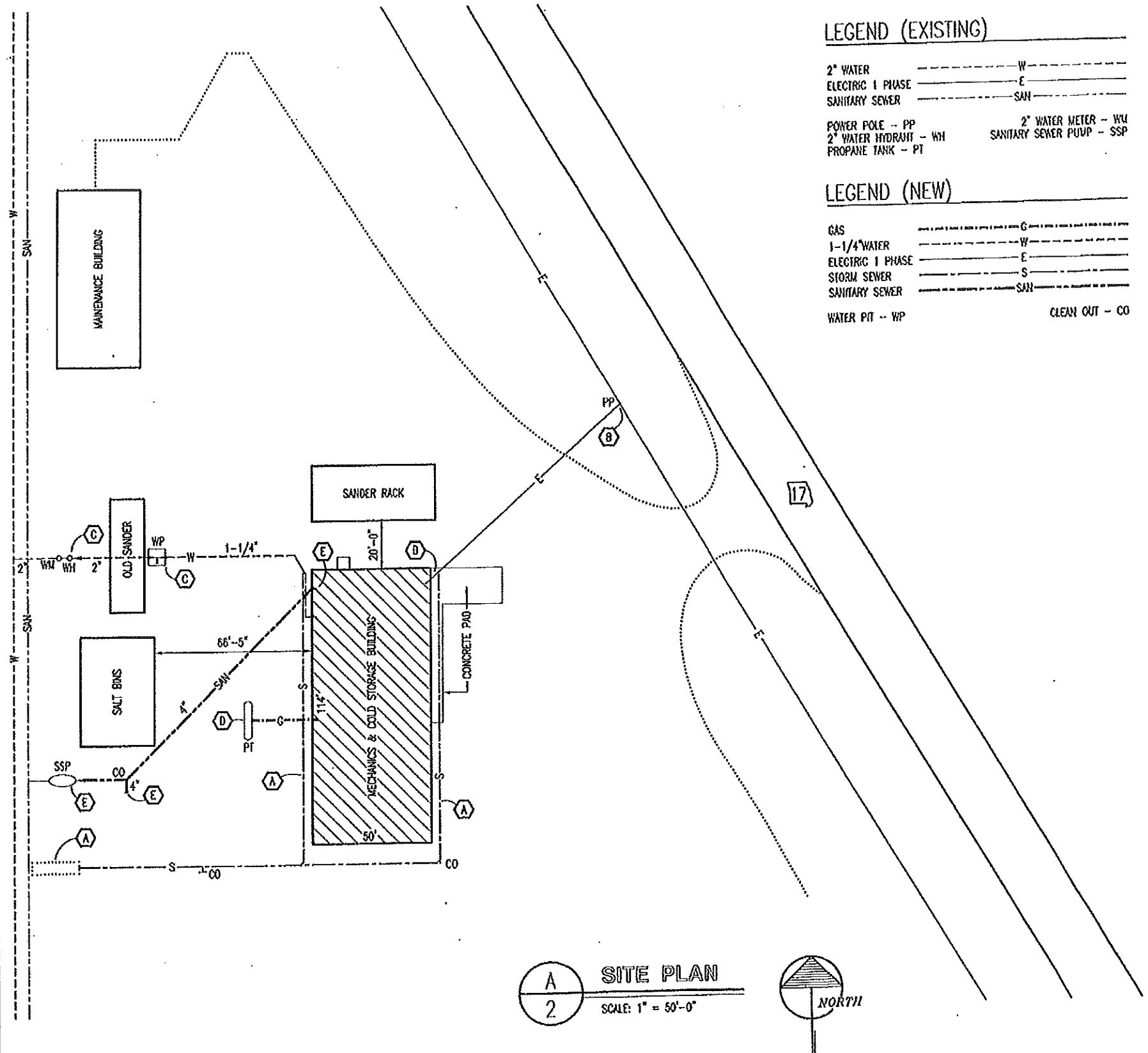
COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

DESIGN BY: LARRY GARDER
DATE: 3-11-2013
Sheet
1 of 26

DENT AVENUE



LEGEND (EXISTING)

- 2" WATER - - - - - W
- ELECTRIC 1 PHASE - - - - - E
- SANITARY SEWER - - - - - SAN
- POWER POLE - PP
- 2" WATER HYDRANT - WH
- PROANE TANK - PT
- 2" WATER METER - WM
- SANITARY SEWER PUMP - SSP

LEGEND (NEW)

- GAS - - - - - G
- 1-1/4" WATER - - - - - W
- ELECTRIC 1 PHASE - - - - - E
- STORM SEWER - - - - - S
- SANITARY SEWER - - - - - SAN
- WATER PIT - WP
- CLEAN OUT - CO

SITE NOTES

- (A) RUN STORM SEWER TO DAYLIGHT. CONTRACTOR TO PROVIDE 20'-0" LONG x 6'-0" x 12" DEEP RIP-RAP. SEE FLOOR PLAN FOR STORM SCHEDULE 35 PVC SIZE(S).
- (B) CONTRACTORS WORK TO BEGIN FROM TRANSFORMER ON EXISTING POWER POLE TO MAKE 1-PHASE CONNECTION FOR AN OPERABLE ELECTRICAL SERVICE APPROXIMATELY 100'± NORTHEAST OF THE NEW BUILDING. PROVIDE SERVICE DISCONNECT FOR NEW BUILDING ON THE POWER POLE WITH CONDUCTORS IN CONDUIT TO NEW BUILDING AS REQUIRED. TEMPORARY SERVICE CAN BE RAN FROM SAME POWER POLE DURING CONSTRUCTION.
- (C) CONTRACTOR TO TAP EXISTING 2" HYDRANT WATER SUPPLY IN YARD WITH NEW 2" SCHEDULE 80 WATER SERVICE TO NEW CONCRETE WATER PIT WITH 35B RATED CAST IRON LID(S). PROVIDE SERVICE STOP IN PIT BEFORE NEW 2" WAITS SERIES LF007 DOUBLE CHECK-VALVE. PROVIDE AN IN-LINE CAPPED 2" TEE DIRECTED SOUTH IN PIT FOR FUTURE SALT BUILDING. TRANSITION IN PIT TO NEW 1-1/4" SCHEDULE 80 PVC WATER SERVICE TO NEW BUILDING. TRANSITION TO 1-1/4" COPPER THROUGH PVC SLEEVE THROUGH THE NEW FOUNDATION WALL INTO BUILDING.
- (D) CONTRACTOR TO MAKE CONNECTION AS REQUIRED FOR AN OPERABLE GAS SERVICE FROM EXISTING 1,000 GALLON PROANE TANK. MAINTAIN GAS SERVICE CONNECTIONS TO OTHER BUILDING(S).
- (E) CONTRACTOR TO INSTALL 4" SANITARY SEWER TO EXISTING SANITARY SEWER PUMP IN YARD FOR AN OPERABLE SERVICE TO NEW BUILDING. CONTRACTOR TO COORDINATE WITH THE CITY OF SUMMERSVILLE NEW CITY PROVIDED & INSTALLED PUMP SYSTEM (SSP) NEAR DENT AVENUE DURING CONSTRUCTION. PROVIDE 6'-0", 4" SCHEDULE 40 PVC. EXTENSION CAPPED TO THE SOUTH FOR A FUTURE TRUCK WASH. PROVIDE SHUT-OFF ACCESSIBLE AT FINISHED GRADE TO BYPASS THE SEWER FLOW INTO EXTENSION.

GRADING NOTES:

- CONTRACTOR WILL BE RESPONSIBLE FOR:
- EXCAVATION OF THE SUB GRADE.
 - EXCAVATING OF FOOTINGS.
 - ALL BACK FILL MATERIAL INSIDE AND OUTSIDE NEW BUILDING.
 - CRUSHED ROCK BASE UNDER BUILDING & APPROACH SLAB.
 - BACK FILL ALONG APPROACH SLAB A MINIMUM OF 6" BELOW TOP OF SLAB.
 - FINISHED GRADE TO DRAIN AWAY FROM BUILDING.
 - PROVIDE TOP SOIL, FERTILIZE, SEED AND STRAW AT ALL THE LAWN AREAS DISTURBED DURING CONSTRUCTION.
 - PROVIDE FINISHED GRADE MATERIAL DISTURBED DURING CONSTRUCTION TO MATCH EXISTING.
 - VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION.
 - MODOT TO HAVE THE FOUR CORNERS STAKED AND BUILDING FOOTPRINT & EXTERIOR APPROACH SLAB LEVELED.
 - EXCAVATED SOIL NOT USED CAN BE PLACED ON SITE. AREA TO BE DESIGNATED BY OWNER.

A

2

SITE PLAN

SCALE: 1" = 50'-0"

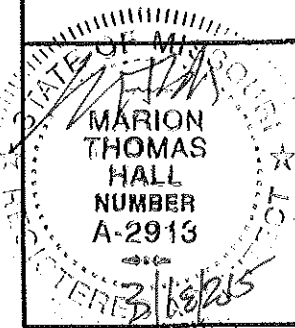
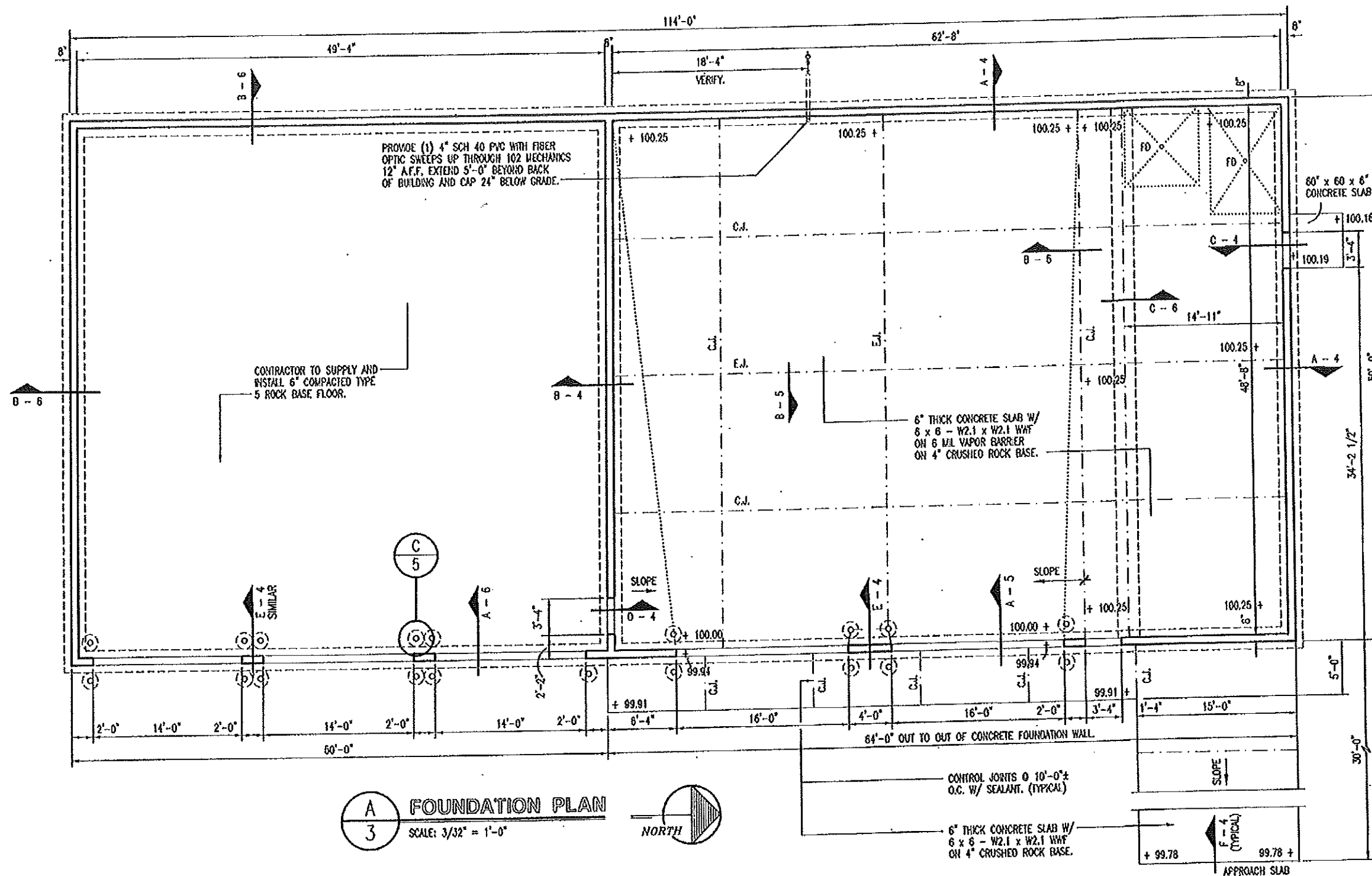
MARION THOMAS
PLAT
NUMBER
A-2913
3/12/15

SITE PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

DESIGN BY: LARRY CRYER
DATE: 3-17-2015
Sheet
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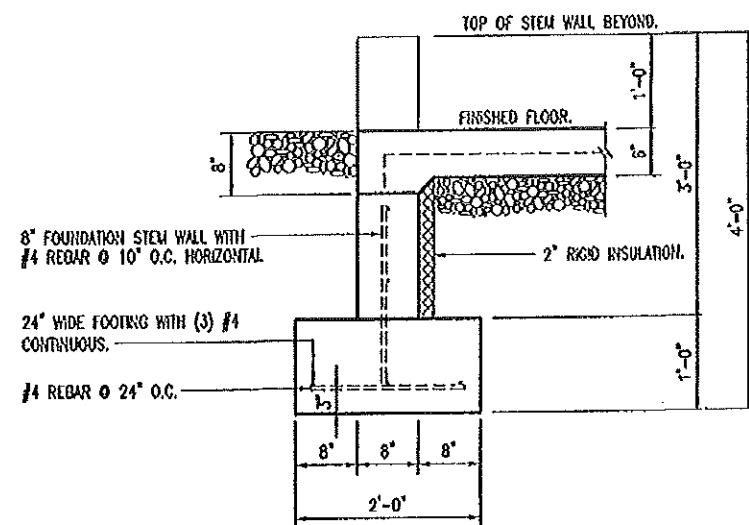


FOUNDATION PLAN

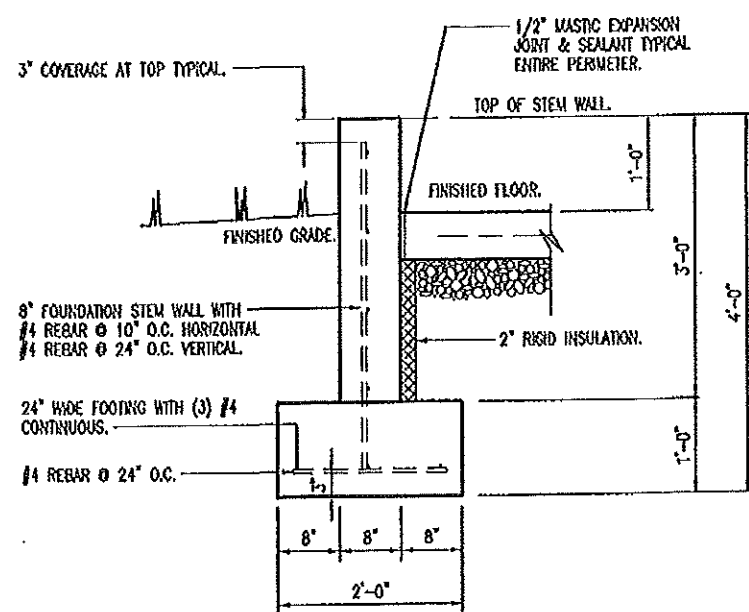
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

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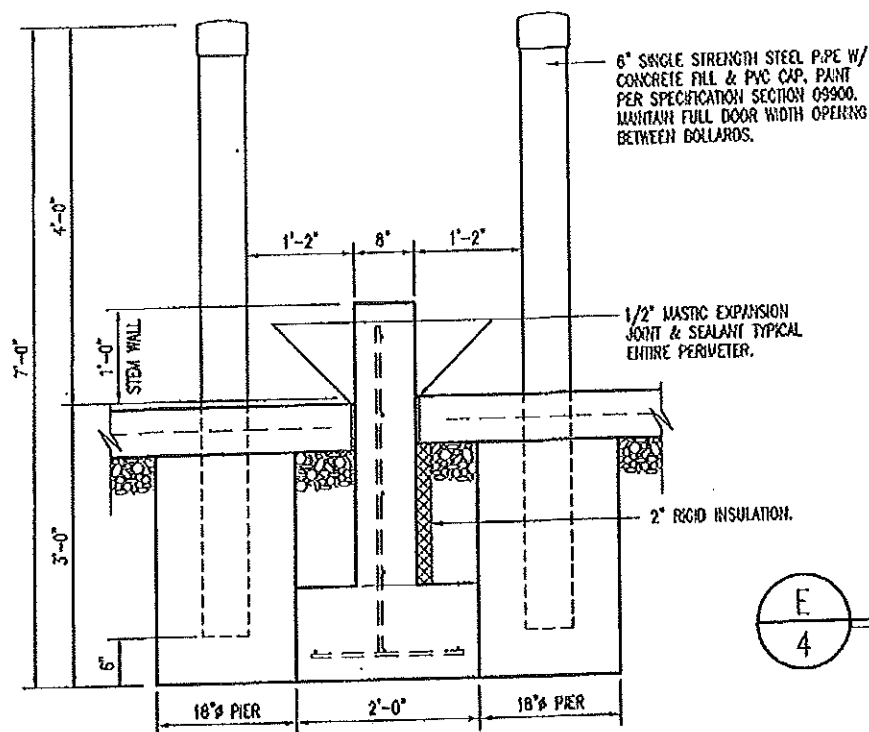
DESIGN BY: LARRY EASLER
DATE: 3-17-2015
Sheet
3 of 26



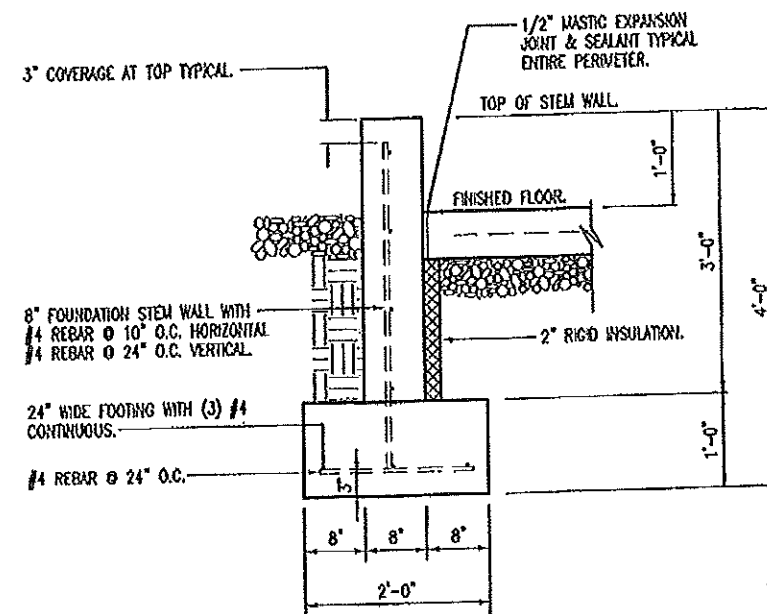
D
4
PASSAGE DOOR
EXTERIOR STEM WALL
SCALE: 1/2" = 1'-0"



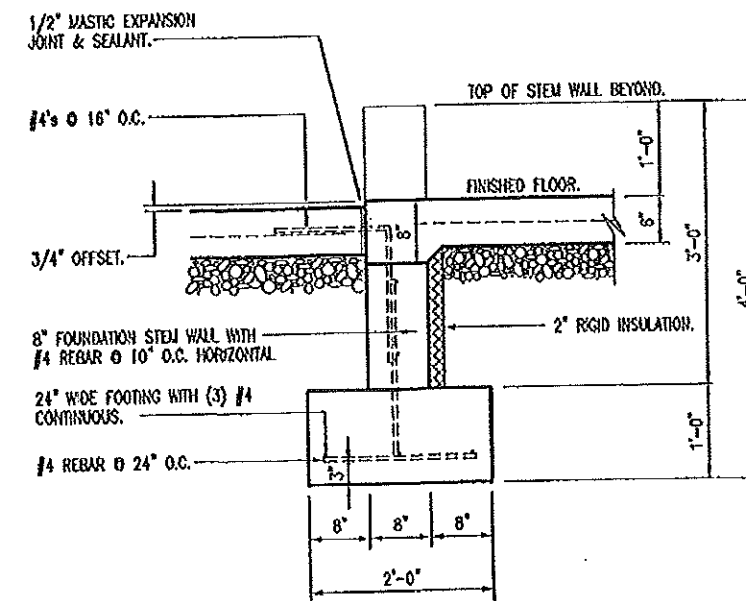
A
4
STEM WALL
SCALE: 1/2" = 1'-0"



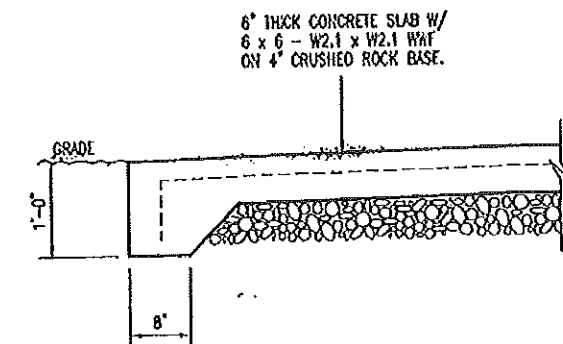
E
4
BOLLARD @ FOOTING DETAIL
SCALE: 1/2" = 1'-0"



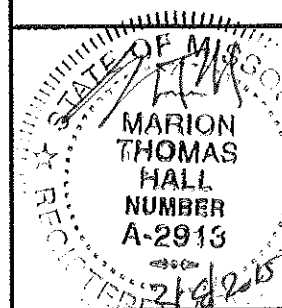
B
4
STEM WALL
SCALE: 1/2" = 1'-0"



C
4
EXTERIOR STEM WALL @ DOOR
SCALE: 1/2" = 1'-0"



F
4
SIDEWALK SECTION
SCALE: 1/2" = 1'-0"

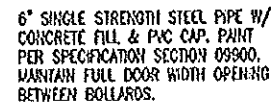


FOUNDATION DETAILS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
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Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

DESIGN BY: LARRY CARRER
DATE: 3-6-2013
Sheet
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105 COLD STORAGE -- 11 TOTAL

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



BEGIN CONCRETE SLOPE AWAY FROM
DOOR THRESHOLD 2' FROM INSIDE
BUILDING.

6" THICK CONCRETE SLAB W/
6 x 6 - W2.1 x W2.1 WHF
ON 6 MIL VAPOR BARRIER
ON 4" CRUSHED ROCK BASE.

6" THICK CONCRETE SLAB W/
6 x 6 - W2.1 x W2.1 WAF
ON 4" CRUSHED ROCK BASE.

→ #4's @ 12" O.C.

(3) f4's CONTINUOUS. (TYPICAL)



EXPANSION JOINT

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

$\frac{A}{5}$

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

1. CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
2. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
3. IF CONDITIONS REQUIRING ROCK EXCAVATION ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
4. ALL CONCRETE SHALL BE TYPE 1 CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS AND NOT TO EXCEED 4" SLUMP.
5. FOUNDATION PIERS AND FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL AND 36 INCHES MINIMUM BELOW FINISH GRADE.
6. DEFORMED STEEL REINFORCING BARS SHALL BE: #4 AND LARGER ASTM A615 GRADE 60.
7. SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.
8. CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT 6% +/- 2%.
9. PROVIDE CORNER REINFORCING BARS WITH 12" MINIMUM LAP EQUAL IN SIZE AND GRADE TO CONNECTING BARS.
10. EXTERIOR CONCRETE FLATWORK SHALL HAVE A LIGHT BROOM FINISH.
11. COORDINATE WORK OF OTHER TRADES REQUIRED TO BE INSTALLED IN, UNDER, OR THROUGH CONCRETE PRIOR TO PLACEMENT OF CONCRETE. INSTALL ALL ANCHORAGES AND SLEEVES REQUIRED FOR THE INSTALLATION OF WORK BY OTHER TRADES.
12. ENTIRE PERIMETER OF BUILDING TO RECEIVE 2" POLYISOCYANURATE RIGID INSULATION BOARD.
13. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEALANT. SEE SECTION 07900.
14. ALL EXPOSED INTERIOR CONCRETE FLOORS SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03340.
15. COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.

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10. EXTERIOR CONCRETE FLATWORK SHALL HAVE A LIGHT BROOM FINISH.

11. COORDINATE WORK OF OTHER TRADES REQUIRED TO BE INSTALLED IN, UNDER, OR THROUGH CONCRETE PRIOR TO PLACEMENT OF CONCRETE. INSTALL ALL ANCHORAGES AND SLEEVES REQUIRED FOR THE INSTALLATION OF WORK BY OTHER TRADES.

12. ENTIRE PERIMETER OF BUILDING TO RECEIVE 2" POLYISOCYANURATE RIGID INSULATION BOARD.

13. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEAWOOL.
SEE SECTION 07900.

14. ALL EXPOSED INTERIOR CONCRETE FLOORS SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03346.

15. COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.

MISSOURI DEPARTMENT
OF TRANSPORTATION

DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

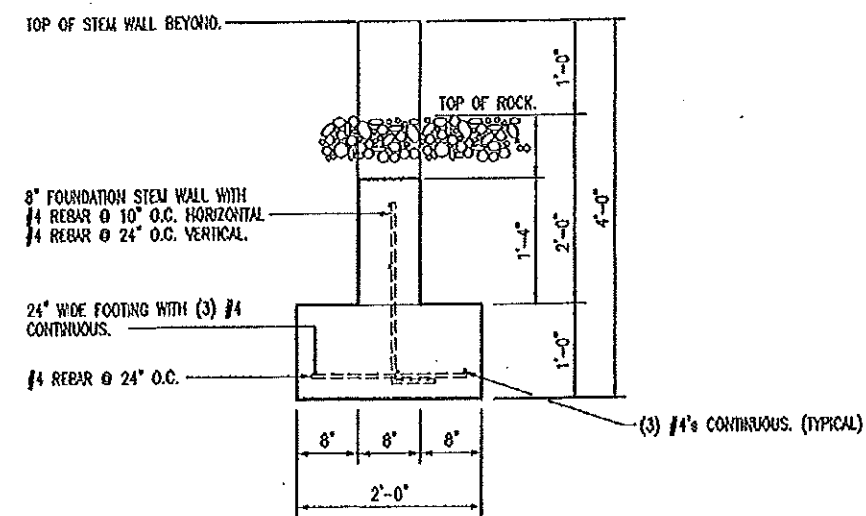
Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

DESIGN BY: LLOYD CARLIER

DATE 3-8-2013

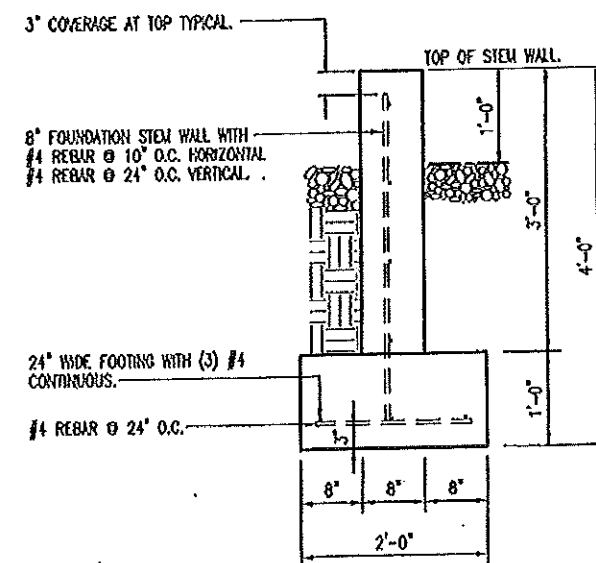
Sheet

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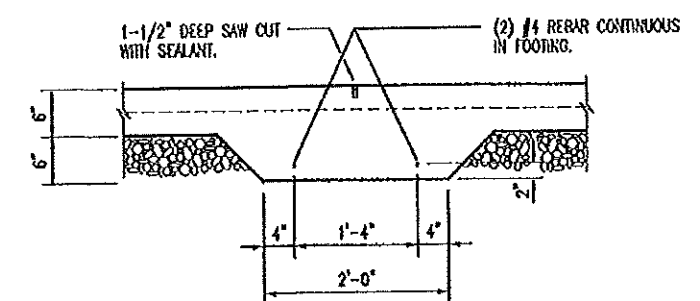


COLD STORAGE THRESHOLD
EXTERIOR STEM WALL

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



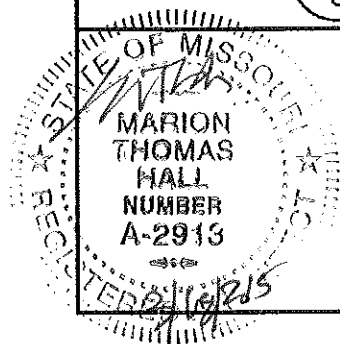
STEM WALL
SCALE: 1/2" = 1'-0"



C
6

INTERIOR BEARING FOOTING

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

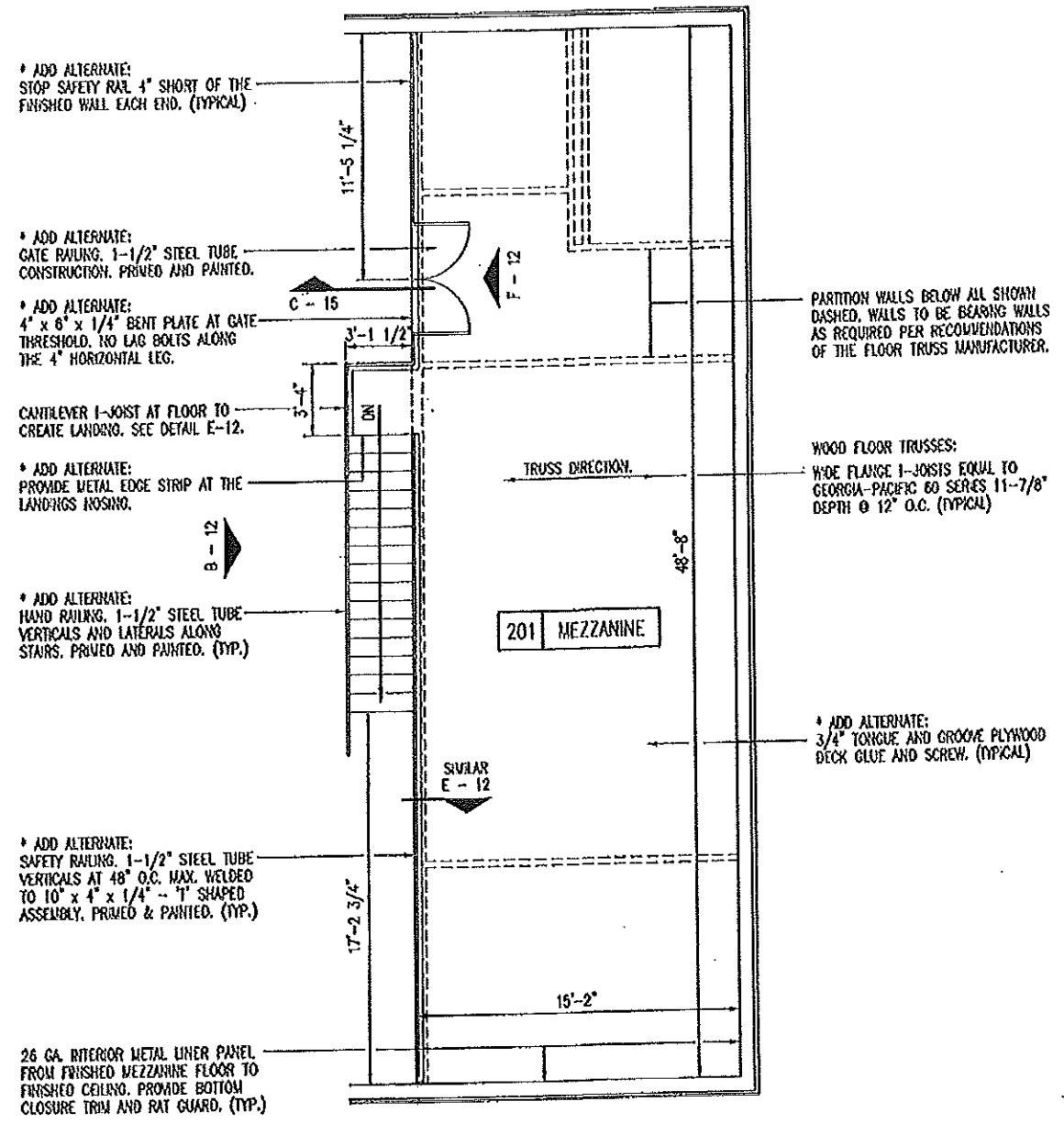


FOUNDATION DETAILS

MISSOURI DEPARTMENT
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Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

DESIGN BY: LARRY CARRIER
DATE: 3-6-2015
Sheet 6 of 26



MEZZANINE PLAN
SCALE: 1/8" = 1'-0"
NORTH

STATE OF MISSOURI
MARION THOMAS
HALL
NUMBER
A-2913
2/16/218

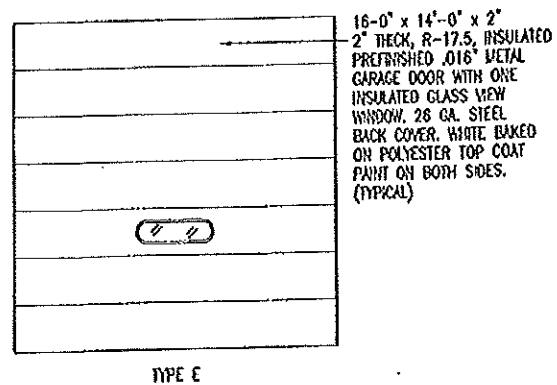
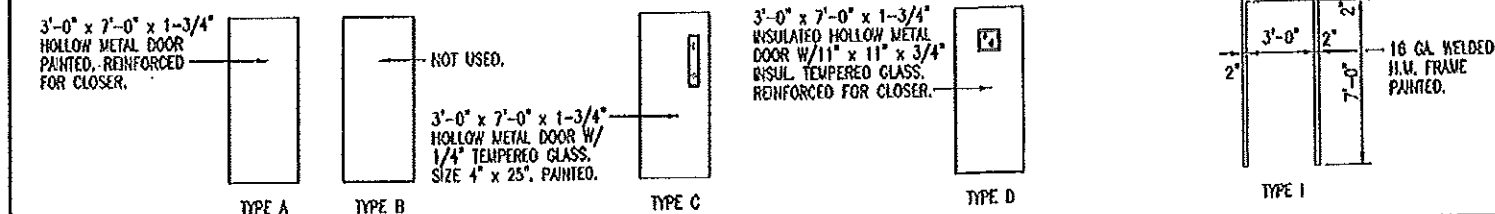
MEZZANINE PLAN

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Summersville Mechanics & Cold Storage Building
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235 South Highway 17

DESIGN BY: LARRY PARKER
DATE: 3-6-2015
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DOOR SCHEDULE							
NO.	SIZE	SWING	DR. TYPE	FRV. TYPE	DETAIL	DEPTH	HOWR. GRP.
1	NOT USED	-	-	-	-	-	-
2	NOT USED	-	-	-	-	-	-
3	NOT USED	-	-	-	-	-	-
4	NOT USED	-	-	-	-	-	-
5	3'-0" x 7'-0" x 1-3/4"	LHR	D	I	D-14	6-1/2"	-
6	16'-0" x 14'-0" x 2"	-	E	-	A & B-14	-	-
7	16'-0" x 14'-0" x 2"	-	E	-	A & B-14	-	-
8	3'-0" x 7'-0" x 1-3/4"	RHR	D	I	C-14	6-1/2"	1
9	3'-0" x 7'-0" x 1-3/4"	LH	C	I	A-15	7-5/8"	3
10	3'-0" x 7'-0" x 1-3/4"	RHR	C	I	A-15	7-5/8"	4
11	3'-0" x 7'-0" x 1-3/4"	LH	C	I	B-15	5-7/8"	4
12	3'-0" x 7'-0" x 1-3/4"	RH	A	I	E-14	5-7/8"	2
13	3'-0" x 7'-0" x 1-3/4"	LH	A	I	E-14	5-7/8"	2
14	3'-0" x 7'-0" x 1-3/4"	LHR	D	I	C-14	6-1/2"	1



WINDOW SCHEDULE	
	SEE DETAIL F-14.
6'-0" x 3'-0"	SILL HEIGHT: 48" A.F.F.
ALUMINUM DOUBLE HORIZONTAL SLIDER WITH SECURITY SCREEN.	

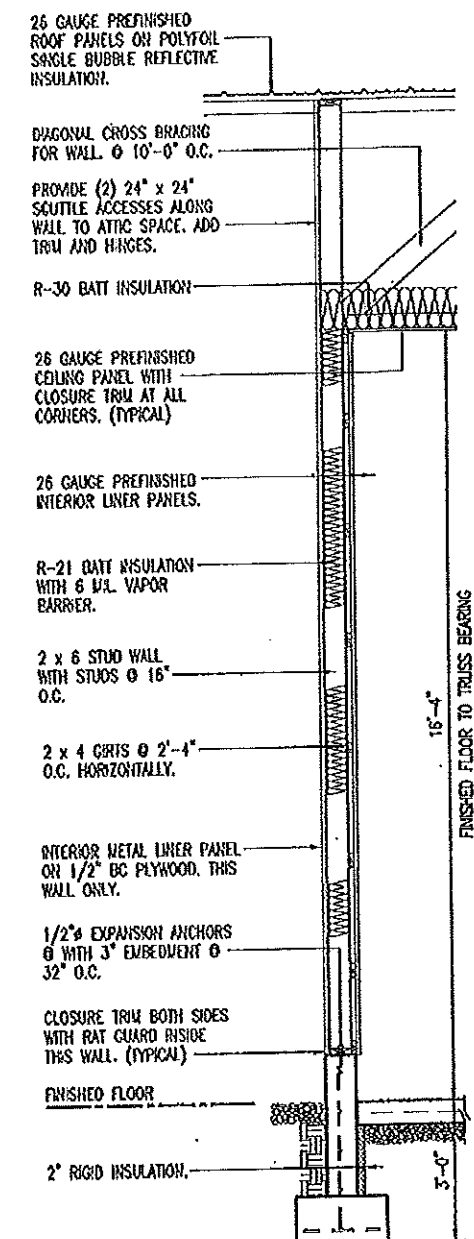
GENERAL NOTES:

CONTRACTOR TO FURNISH ALL NECESSARY FLASHING AND TRIM TO PROVIDE A NEAT, WEATHERPROOF FIT AT ALL DOORS, COLUMNS AND ANY LOCATION WHERE THE METAL PANELS MAY BE CUT.

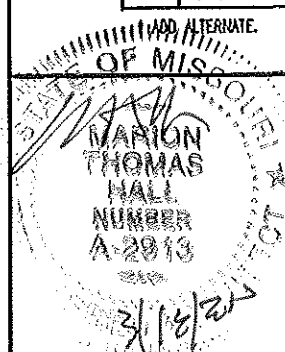
FINISH SCHEDULE											
NO.	ROOM	FLOOR	WALLS				BASE		CEILING		
			15/4" T & G PLYWOOD, CURE AND SEALER ON CONCRETE	6" COMPACTED TYPE 5 ROCK	26 GA. EXTERIOR PANELS	26 GA. INTERIOR PANELS	1/2" FIBERGLASS REINFORCED PANEL (FRP) ON NORTH WALL	5/8" GYPSUM BOARD	5/8" GREEN GYP. BD.	PAINTED	4" VINYL CONTINUOUS ON NORTH WALL
101	COLD STORAGE										
102	MECHANICS										
103	OFFICE										
104	BREAK ROOM										
105	HALLWAY										
106	WOMEN'S										
107	MEN'S										
201	MEZZANINE										

NOTE: WOMEN'S AND MEN'S TO BE COMPLETELY FINISHED UNDER BASE BD EXCEPT FOR ACOUSTIC CEILING TILE.

HVAC SCHEDULE						
SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
A	36" x 36" SHUTTER MOUNT EXHAUST FAN WITH WEATHERHOOD	DAYTON 1HL86 & 1WBW2 OR EQUAL 6.4 AMPS	6,480 CFM	ELECTRIC	115	COMMERCIAL TYPE BELT DRIVE WALL EXHAUST FAN INCLUDING CSA GUARD AND SHUTTER.
B	MOTORIZED DAMPER WITH WEATHERHOOD	DAYTON MODEL 3C728 & 1WBW1 OR EQUAL .37 AMPS	---	ELECTRIC	115	30" MEDIUM GRADE, MOTORIZED, GALVANIZED STEEL DAMPER WITH 1HP MOTOR, WIRE TO OPEN WHEN EXHAUST FAN IS TURNED ON.
C	CARBON MONOXIDE EXHAUST SYSTEM	CAR-MON MODELS SERIES BA AND CMW-9 OR EQUAL	---	ELECTRIC	115	INCLUDE HOSE, BALANCE, DUCTING, EXTERIOR WALL HOOD AND FLANGE MOUNTED EXHAUST FAN, 3/4 HP MOTOR, 13.8 AMP.
D	MULTI-ZONE DUCTLESS HEAT PUMP	CARRIER 38AGGF48 OR EQUAL	COOL 42K HEAT 49K	ELECTRIC	208/230	SEE MECHANICAL PLAN.
E	GAS FIRED UNIT HEATER	REZINOR MODEL UDAP 225 OR EQUAL	186,750	PROPANE	115	SINGLE BURNER COMBUSTION, DIRECT SPARK IGNITION, 100% LOCK-OUT & CL-1 STANDARD HEATING ONLY THERMOSTAT.



A
9 MID-WALL SECTION
SCALE: 1/4" = 1'-0"

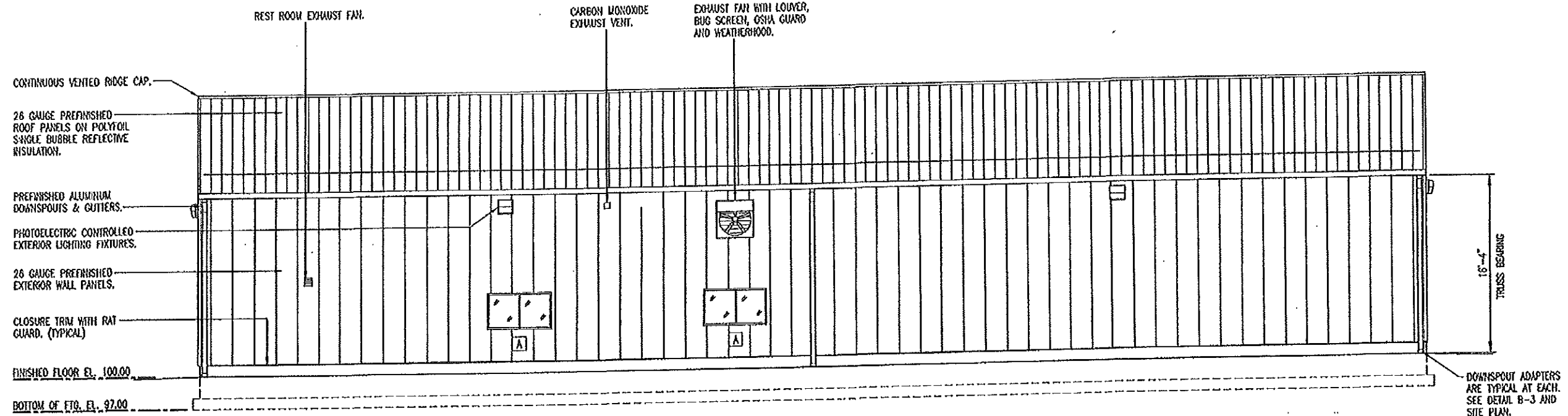


SCHEDULES

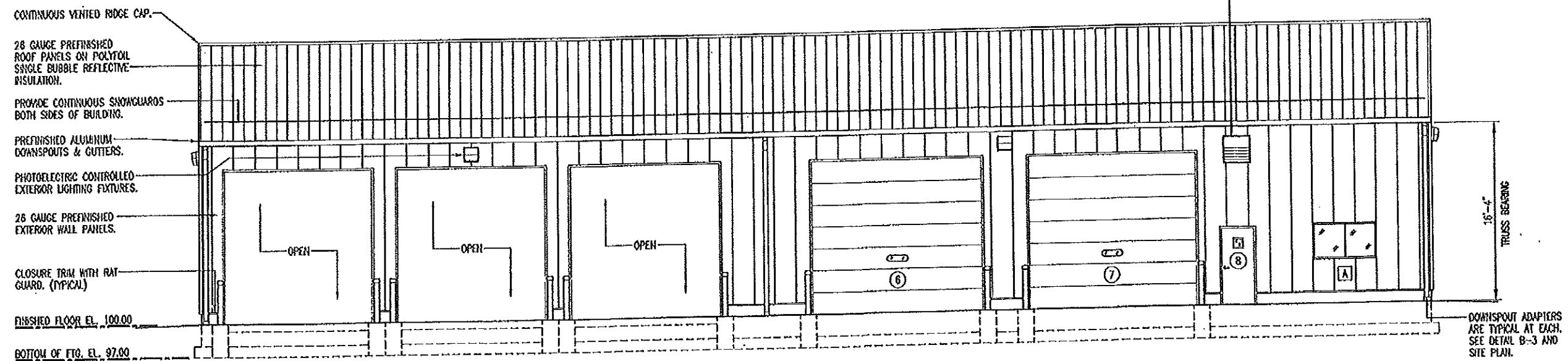
MISSOURI DEPARTMENT
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

DESIGN BY: LARRY CARRER
DATE: 3-6-2013
Sheet
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B WEST ELEVATION
SCALE: 3/32" = 1'-0"



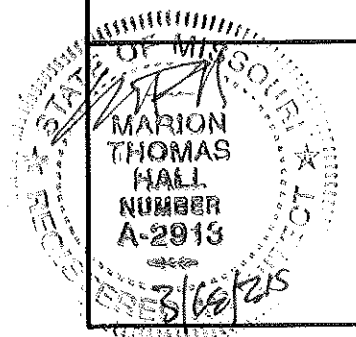
A EAST ELEVATION
SCALE: 3/32" = 1'-0"

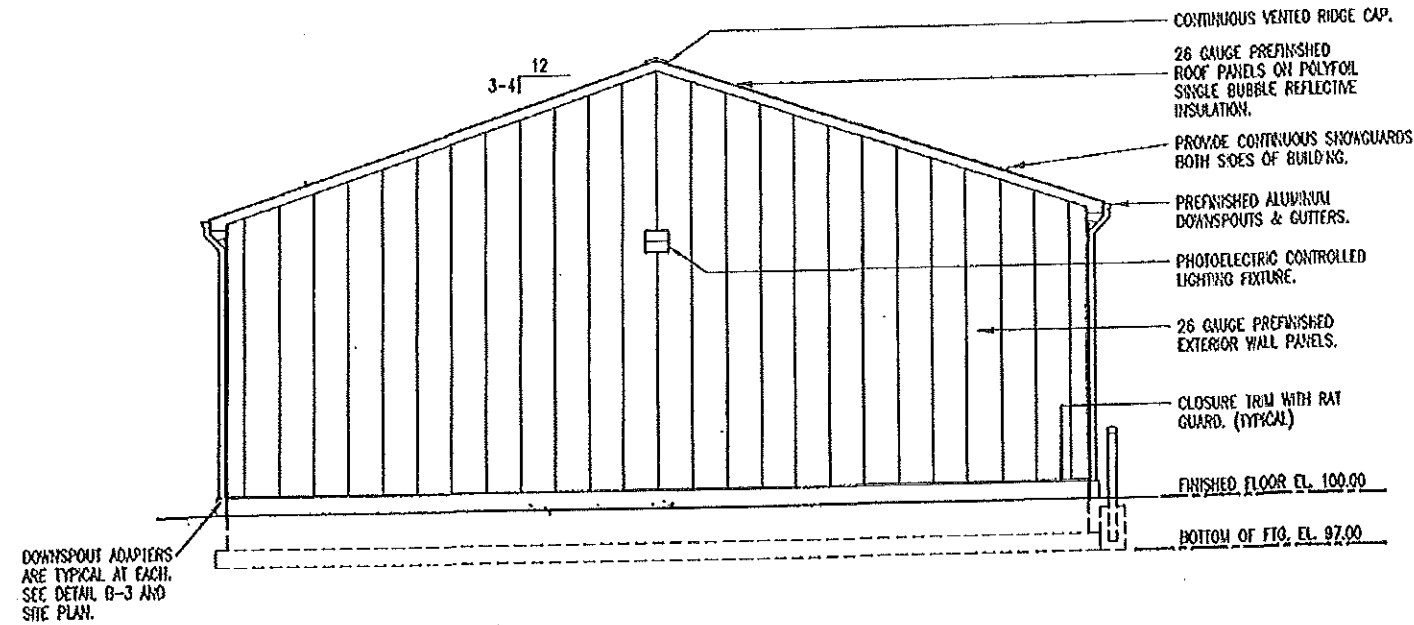
EAST & WEST ELEVATIONS

MISSOURI DEPARTMENT
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

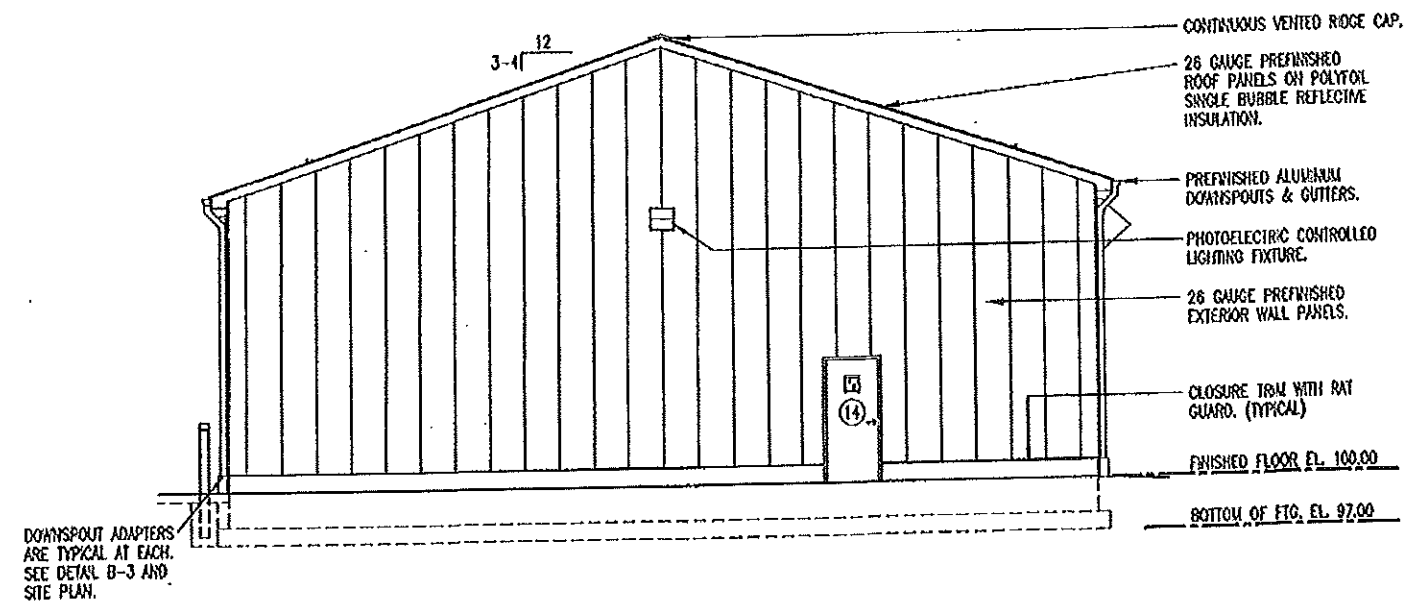
Summersville Mechanics & Cold Storage Building
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DESIGN BY: LARRY CARVER
DATE: 3-6-2013
Sheet
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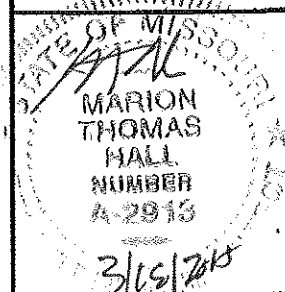




B
11 **SOUTH ELEVATION**
SCALE: 3/32" = 1'-0"



A
11 **NORTH ELEVATION**
SCALE: 3/32" = 1'-0"

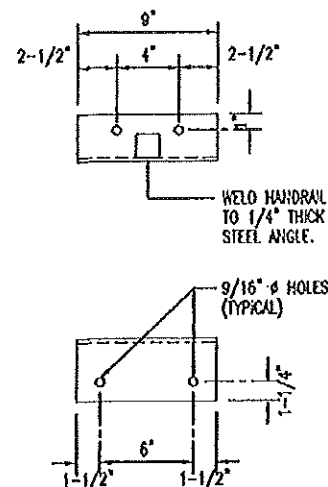


NORTH & SOUTH ELEVATIONS

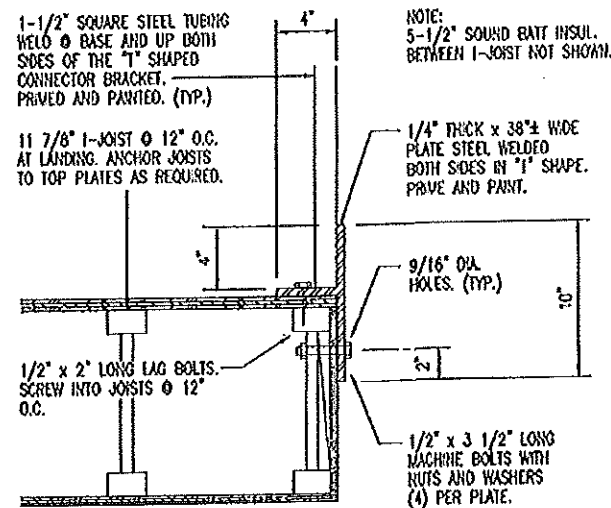
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

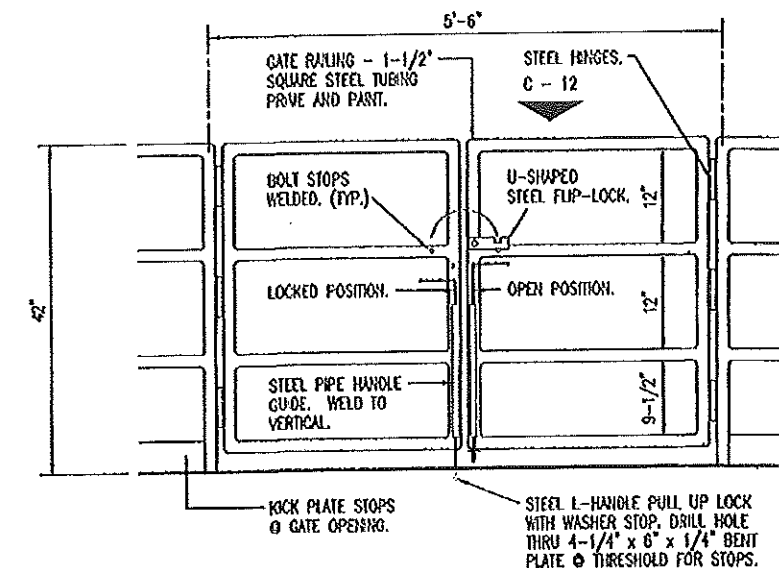
DESIGN BY: LARRY CARTER
DATE: 3-6-2013
Sheet
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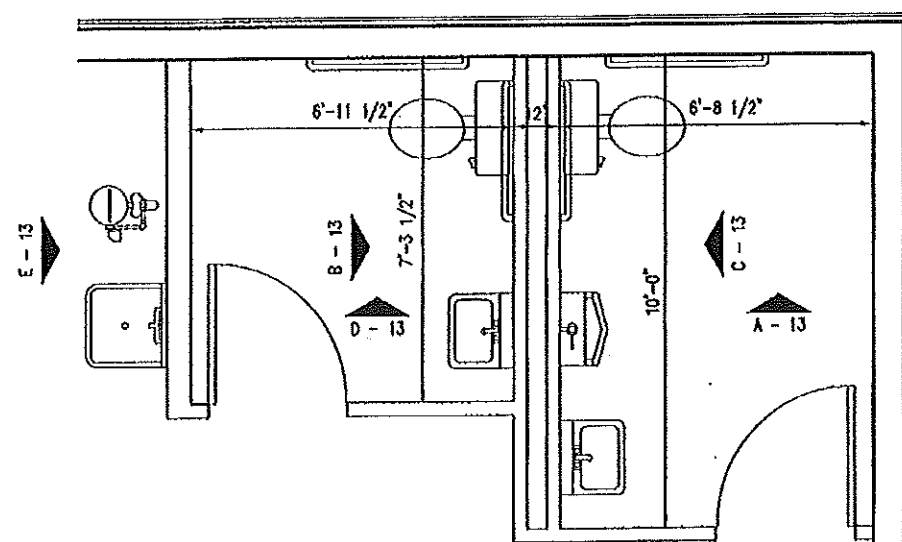
D
12
PROVED AND PAINTED. * ADD ALTERNATE.
STAIR RAIL CONNECTION
SCALE: 1" = 1'-0"



E
12
* ADD ALTERNATE.
KICK PLATE DETAIL
SCALE: 1" = 1'-0"

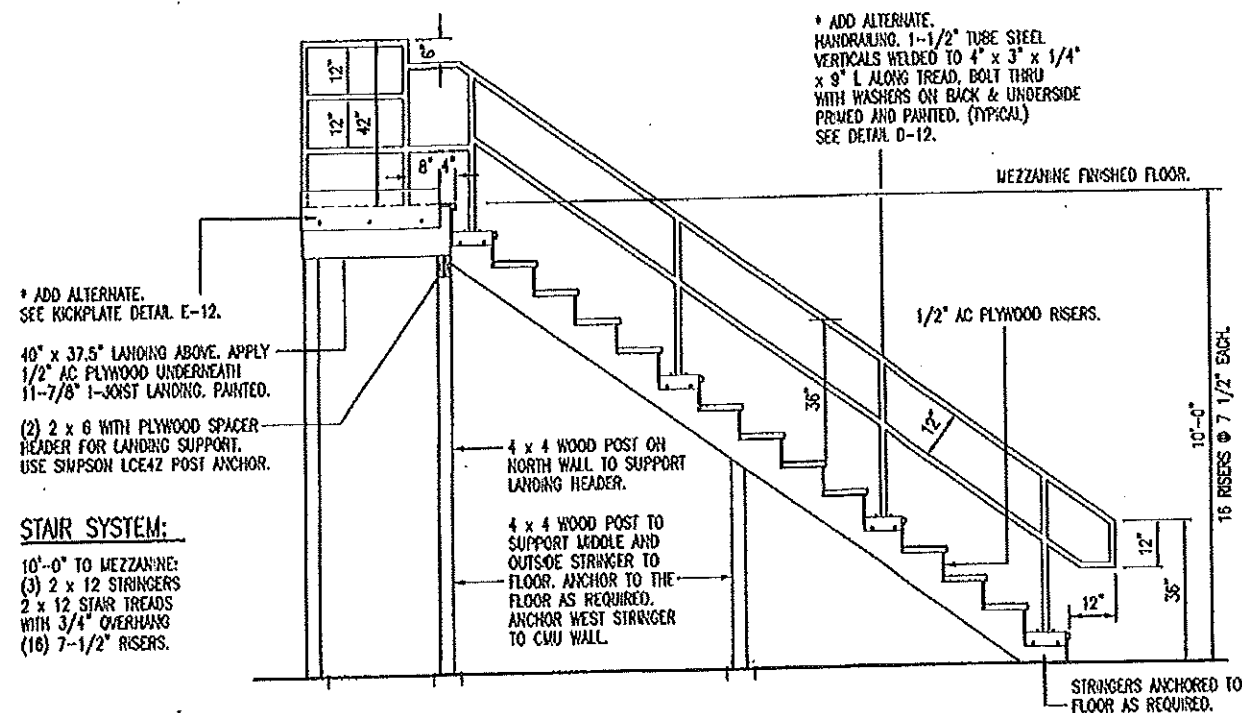


F
12
VIEW FROM MEZZANINE * ADD ALTERNATE.
SWING GATE DETAIL
SCALE: 1/2" = 1'-0"

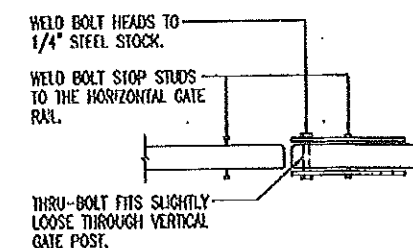


NOTE: WOMEN'S AND MEN'S TO BE COMPLETELY FINISHED UNDER BASE BID EXCEPT FOR ACOUSTIC CEILING TILE.

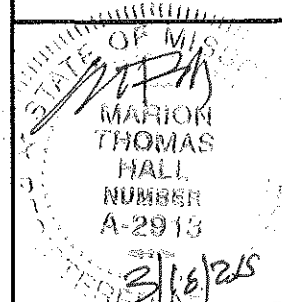
A
12
REST ROOM
SCALE: 1/4" = 1'-0"



B
12
MEZZANINE STAIR SYSTEM
SCALE: 1/4" = 1'-0"



C
12
* ADD ALTERNATE.
FLIP LOCK
SCALE: 1" = 1'-0"

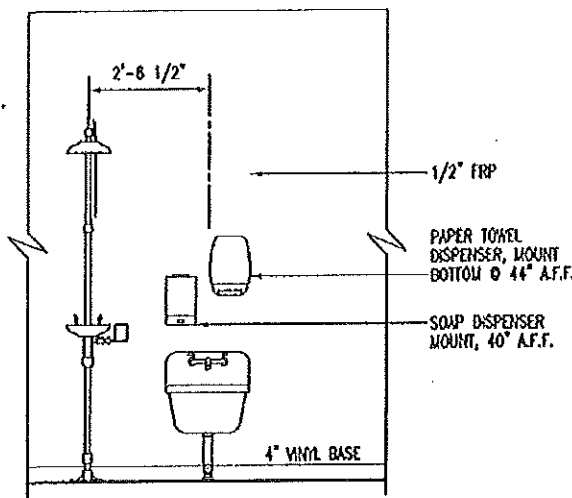


INTERIOR ELEVATIONS

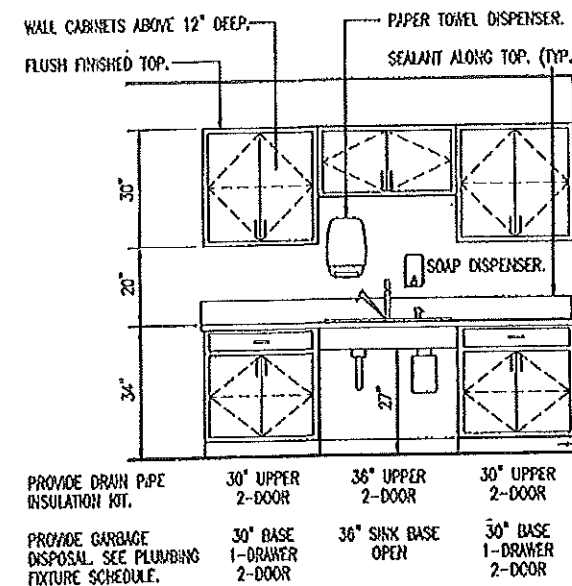
MISSOURI DEPARTMENT
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FACILITIES MANAGEMENT

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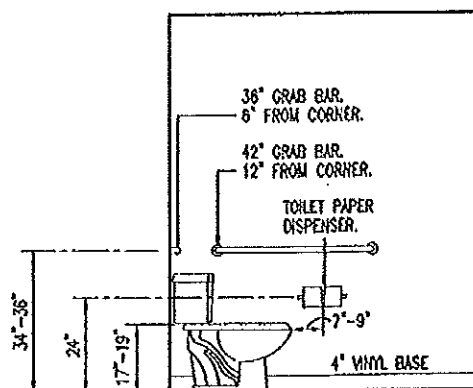
E
13
FIXTURE ELEVATION
SCALE: 1/4" = 1'-0"



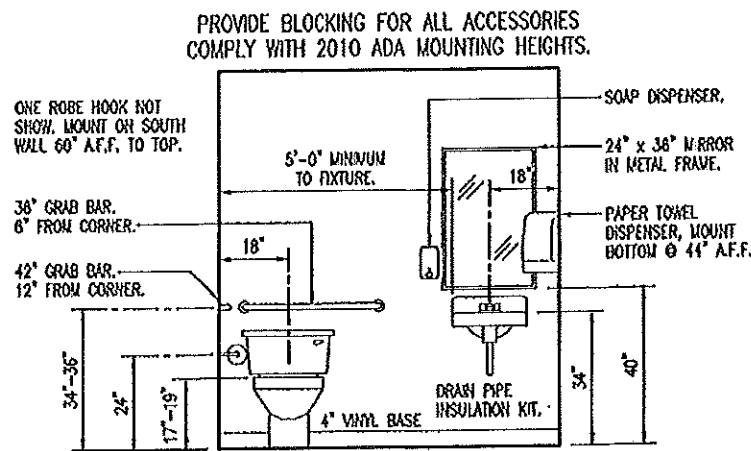
CABINET CONSTRUCTION
CABINETS -- PLASTIC LAMINATE ON 3/4" HIGH DENSITY PARTICLE BOARD WITH WHITE MELAMINE INTERIORS, WIRE PULLS AND ADJUSTABLE SHELVES.
ALL DRAWERS TO HAVE METAL GUIDES, WIRE PULLS AND MELAMINE INTERIORS.
1-1/2" COUNTER TOP & 4" BACKSPASH -- PLASTIC LAMINATE ON 3/4" HIGH DENSITY PARTICLEBOARD.
GENERAL CONTRACTOR TO PROVIDE MOUNTING BLOCKING AS REQUIRED BEFORE INSTALLATION OF GYPSUM BOARD.

G.
13
CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"

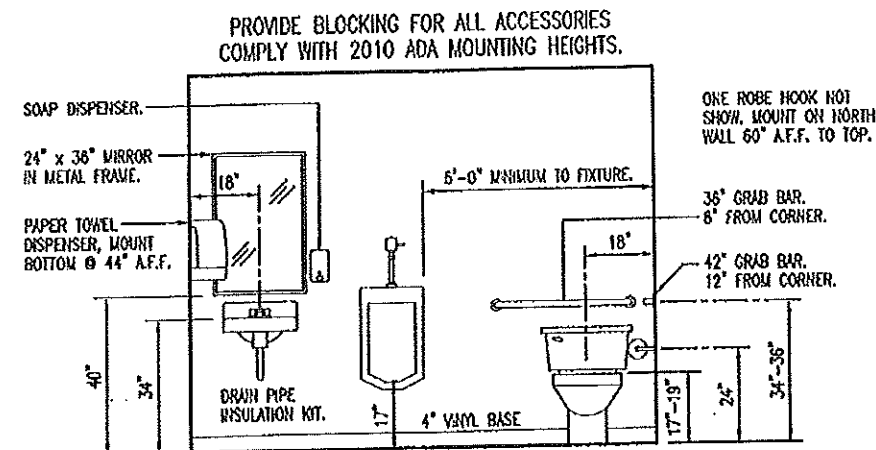
NOTE: WOMEN'S AND MEN'S TO BE COMPLETELY FINISHED UNDER BASE, BID EXCEPT FOR ACOUSTIC CEILING TILE.



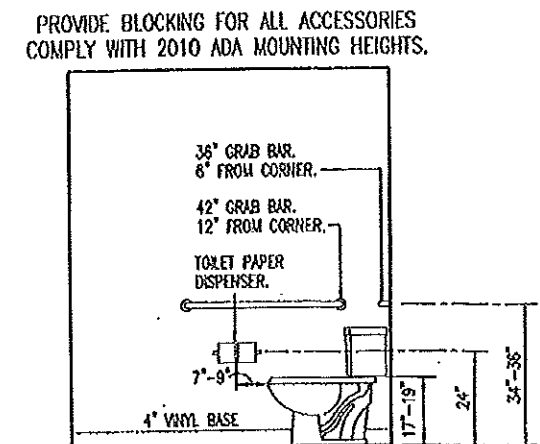
A
13
REST ROOM ELEVATION
SCALE: 1/4" = 1'-0"



B
13
REST ROOM ELEVATION
SCALE: 1/4" = 1'-0"



C
13
REST ROOM ELEVATION
SCALE: 1/4" = 1'-0"



D
13
REST ROOM ELEVATION
SCALE: 1/4" = 1'-0"

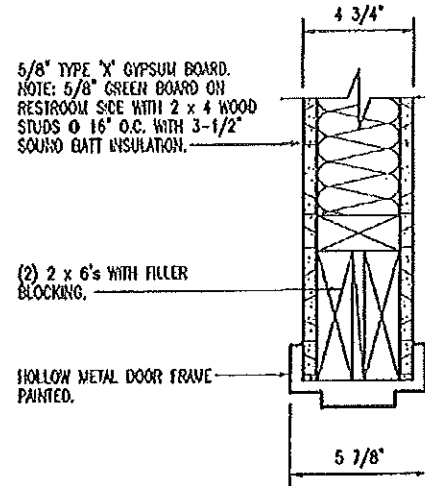
INTERIOR ELEVATIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

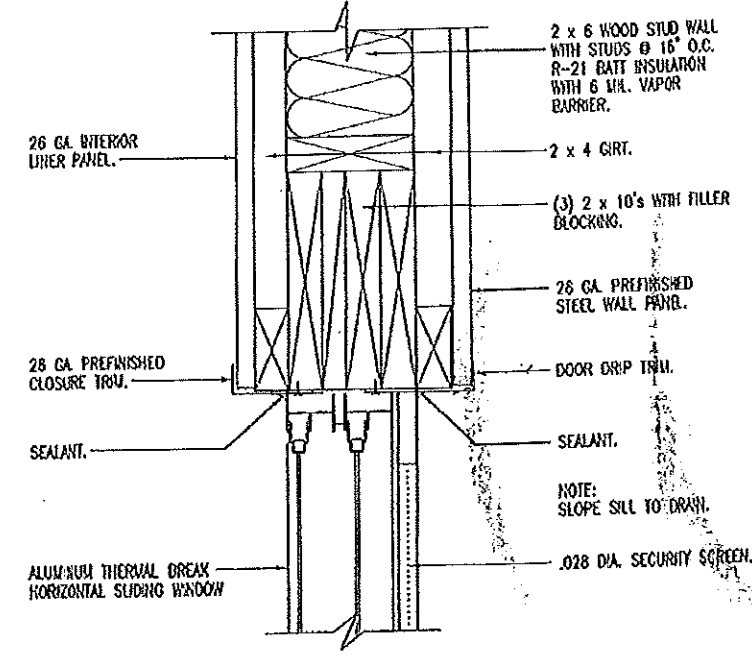
Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
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DATE: 3-6-2015
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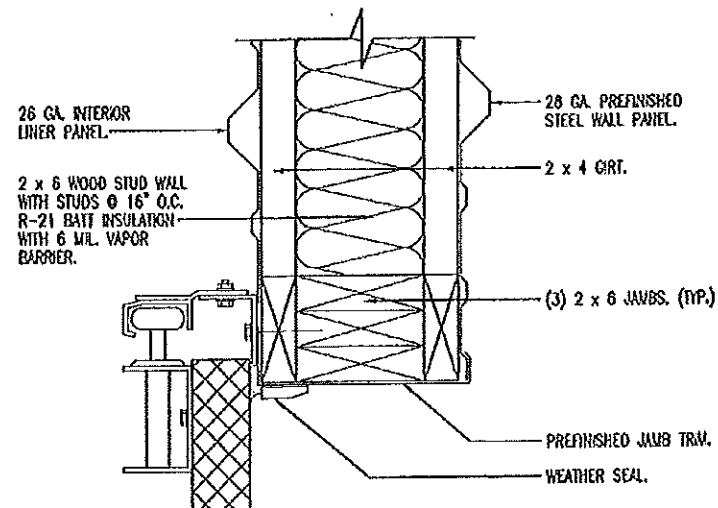
MARION
THOMAS
HALL
NUMBER
A-2913



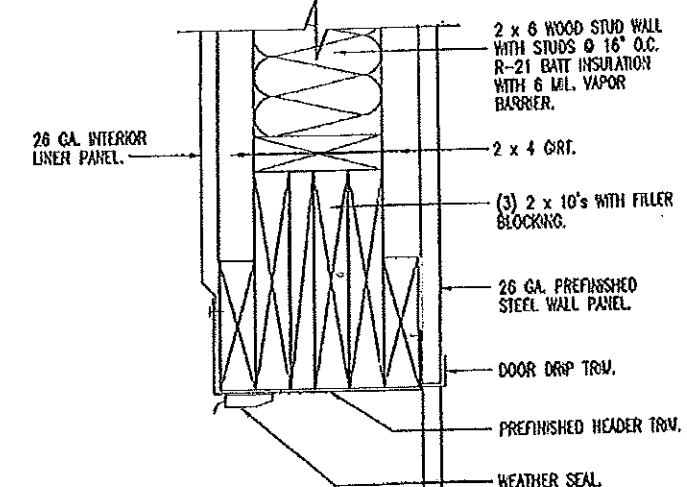
E
14
JAMB SIMILAR DOOR HEAD
SCALE: 1-1/2" = 1'-0"



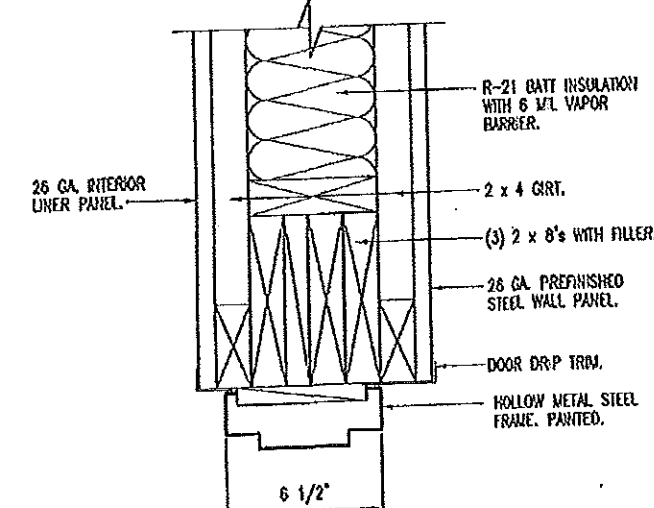
F
14
JAMB & SILL SIMILAR WINDOW HEAD
SCALE: 1-1/2" = 1'-0"



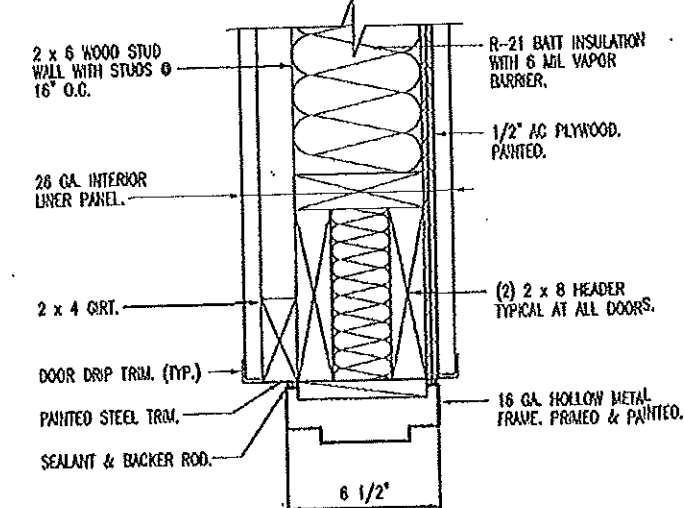
A
14
GARAGE DOOR JAMB
SCALE: 1-1/2" = 1'-0"



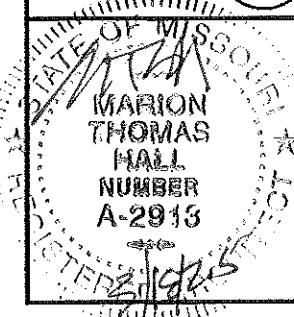
B
14
GARAGE DOOR HEAD
SCALE: 1-1/2" = 1'-0"



C
14
DOOR HEADER/JAMB
SCALE: 1-1/2" = 1'-0"



D
14
DOOR HEADER/JAMB
SCALE: 1-1/2" = 1'-0"

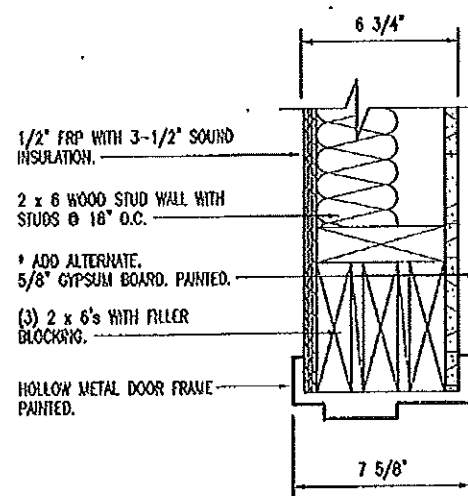


HEAD & JAMB DETAILS

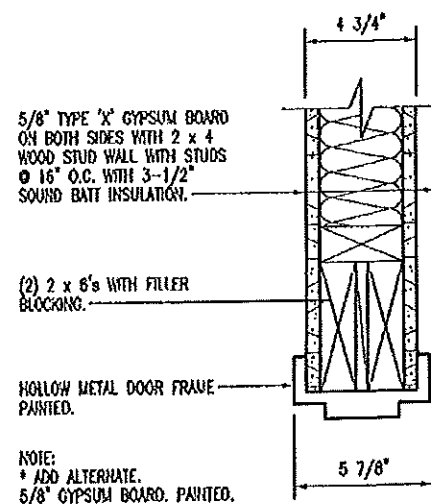
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

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DATE: 3-6-2015
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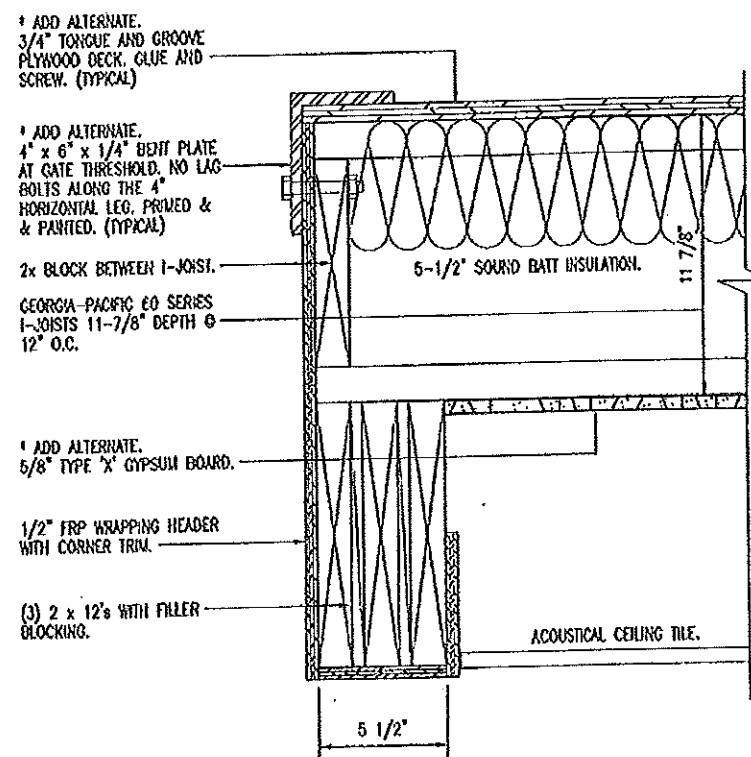


A
15
JAMB SIMILAR
DOOR HEAD
SCALE: 1-1/2" = 1'-0"

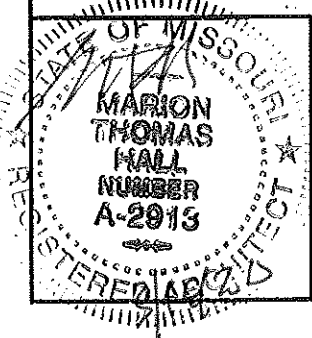


NOTE:
* ADD ALTERNATE. 5/8" GYPSUM BOARD, PAINTED.

B
15
JAMB SIMILAR
DOOR HEAD
SCALE: 1-1/2" = 1'-0"



C
15
HEADER @ HALLWAY
SCALE: 1-1/2" = 1'-0"

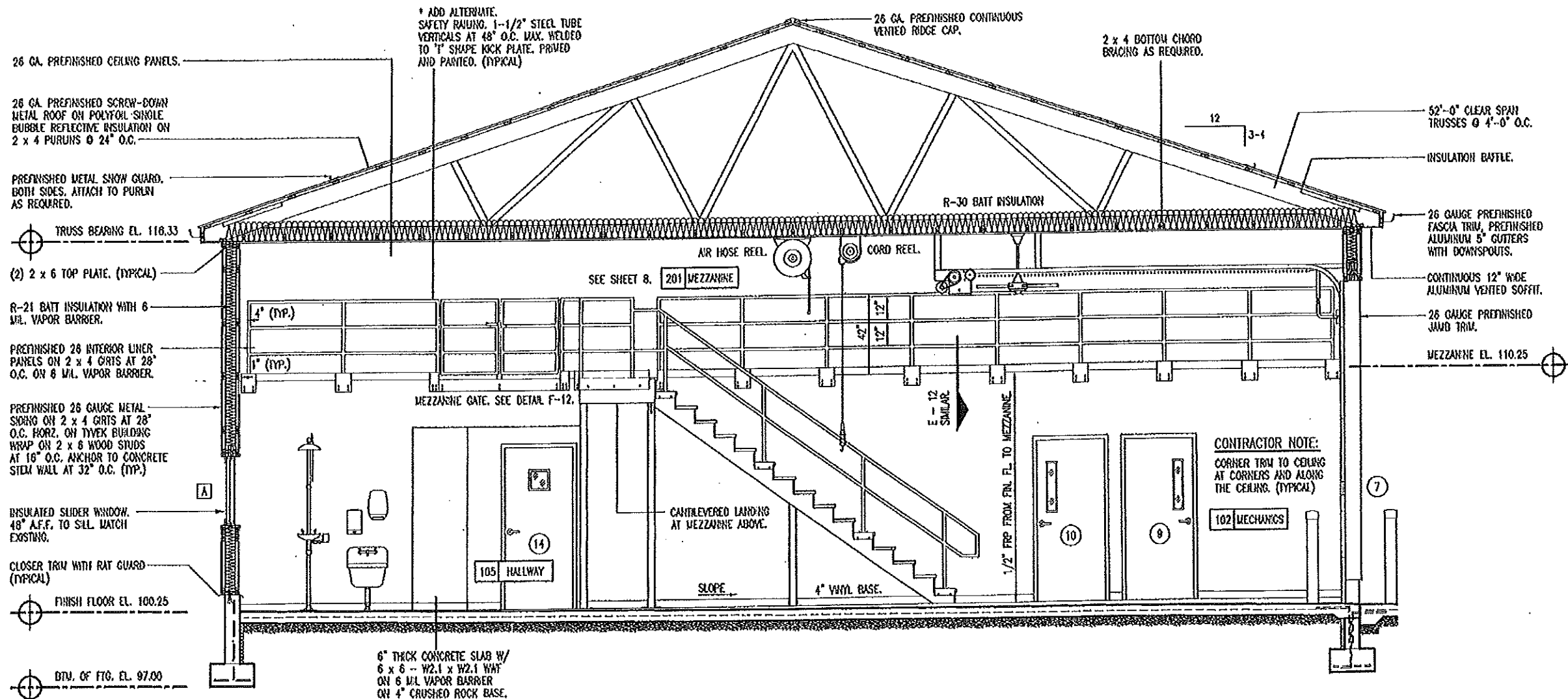


HEAD & JAMB DETAILS

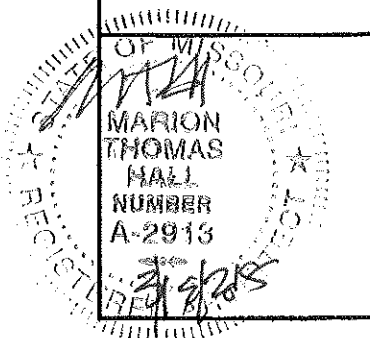
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235 South Highway 17

DESIGN BY: LARRY CARTER
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Sheet
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A
16
BUILDING SECTION
SCALE: 3/16" = 1'-0"

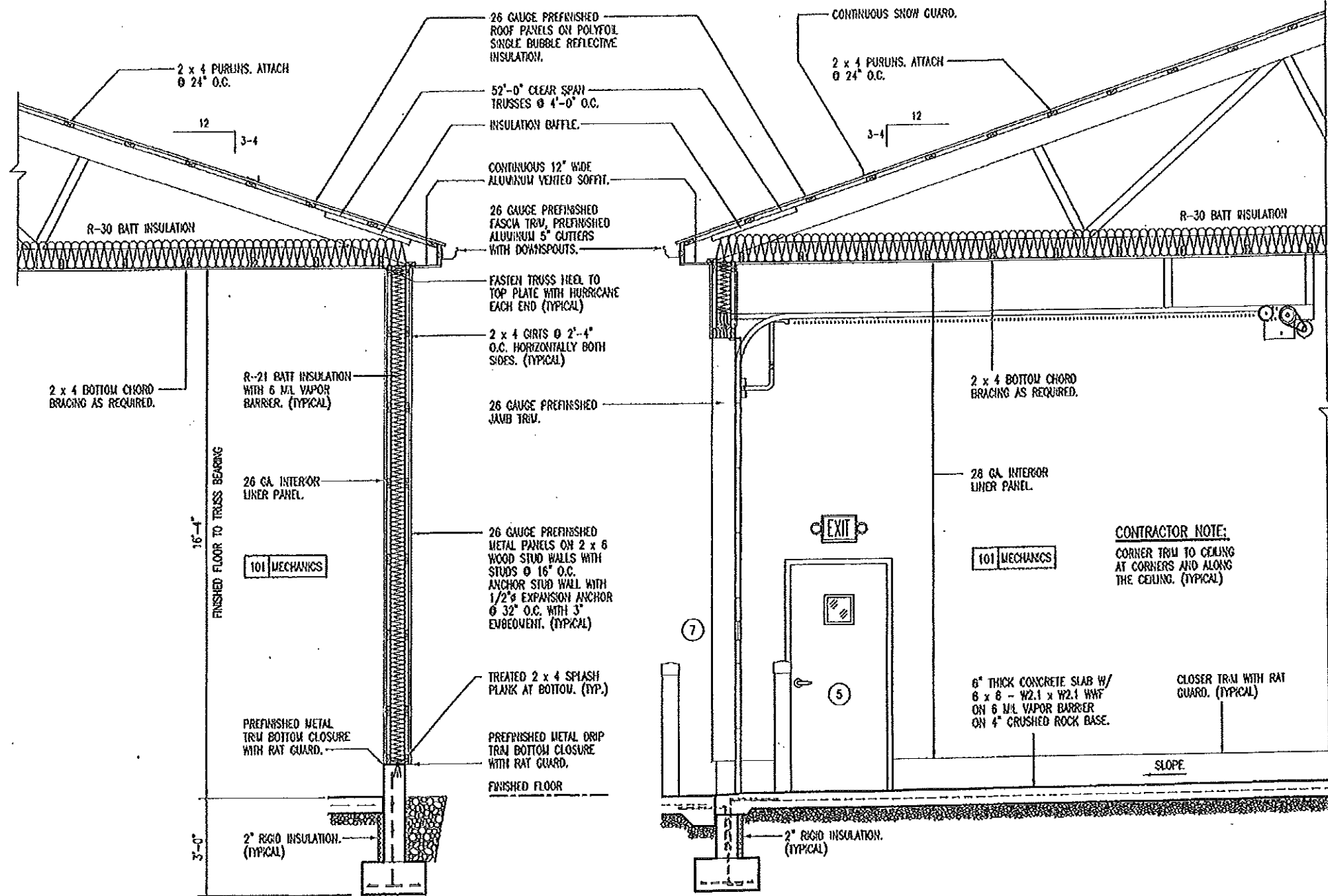


BUILDING SECTION

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

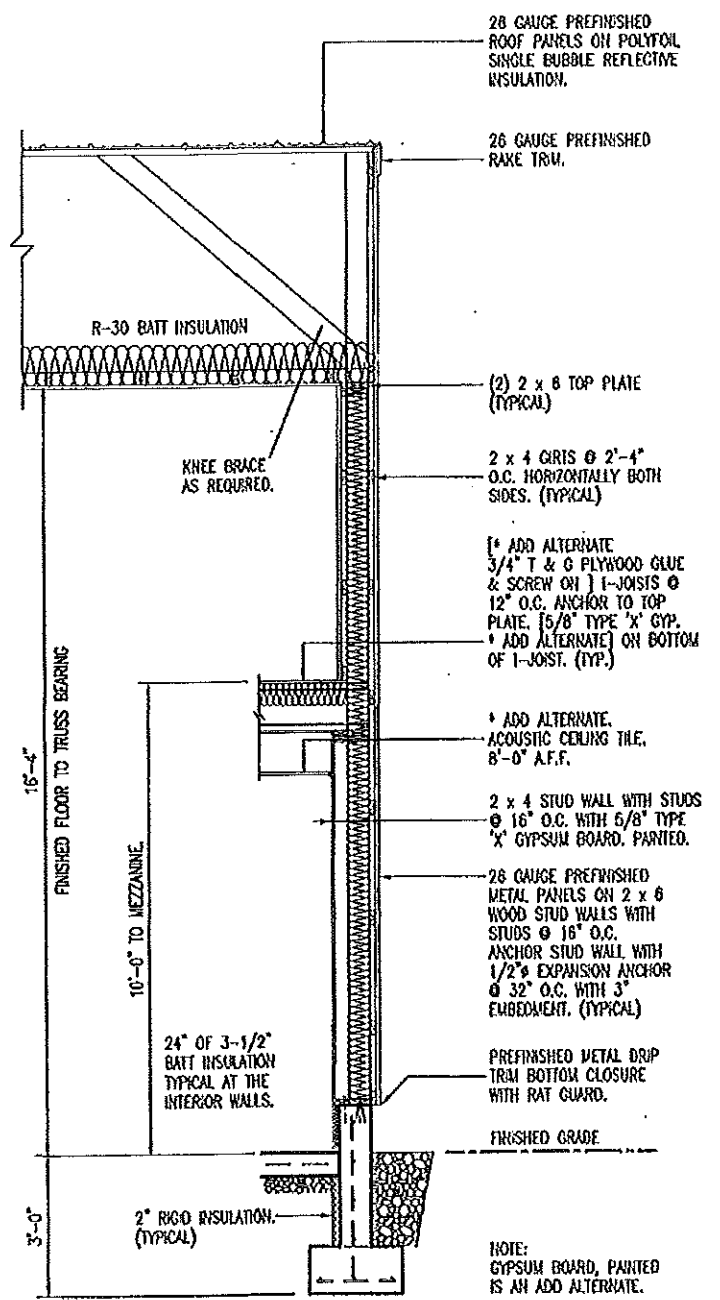
Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
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A
17
SIDEWALL SECTION
SCALE: 1/4" = 1'-0"

B
17
OVERHEAD DOOR SECTION
SCALE: 1/4" = 1'-0"



C
17
ENDWALL SECTION
SCALE: 1/4" = 1'-0"

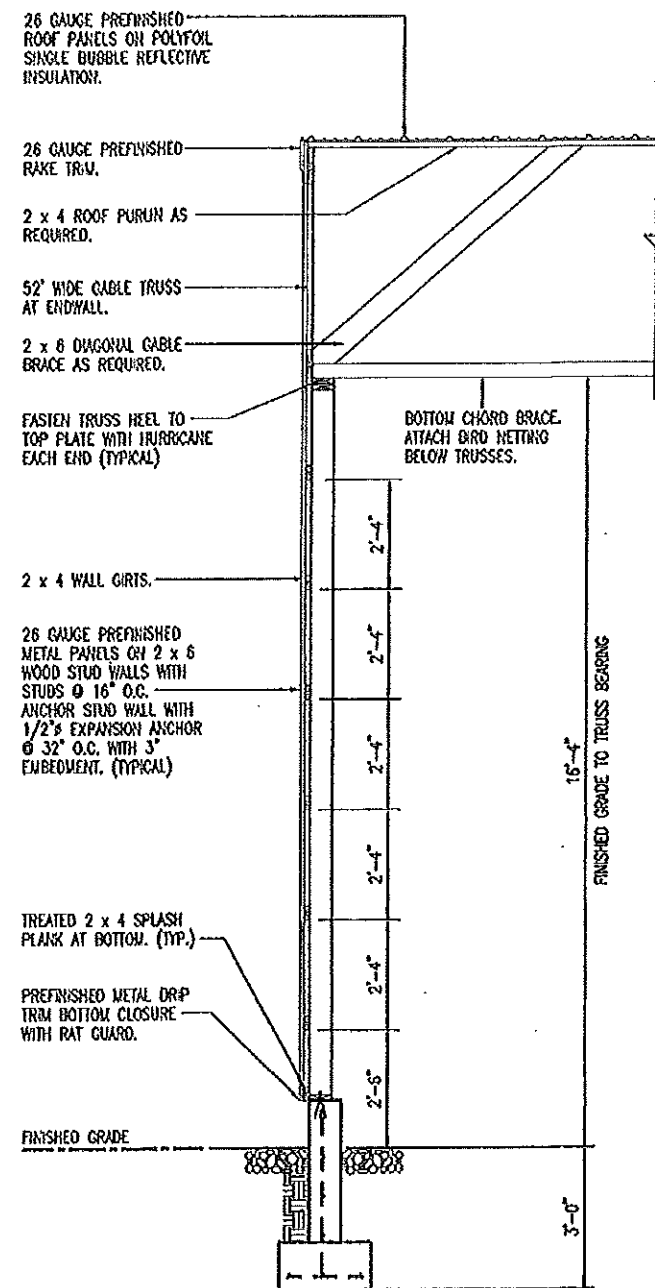
STATE OF MISSOURI
MARION THOMAS
HALL
NUMBER
A-2913
3/1/2015

WALL SECTIONS

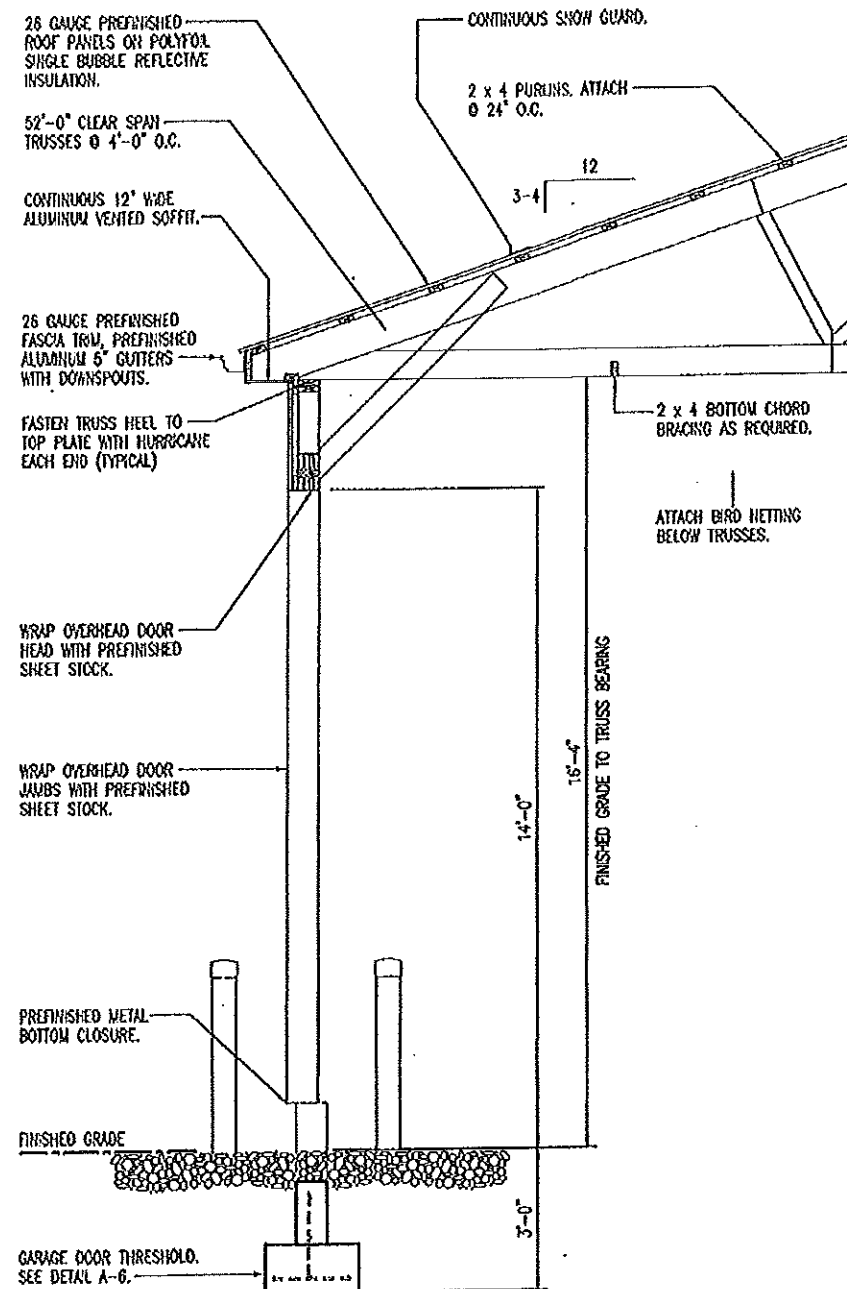
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

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Southeast District - Texas County
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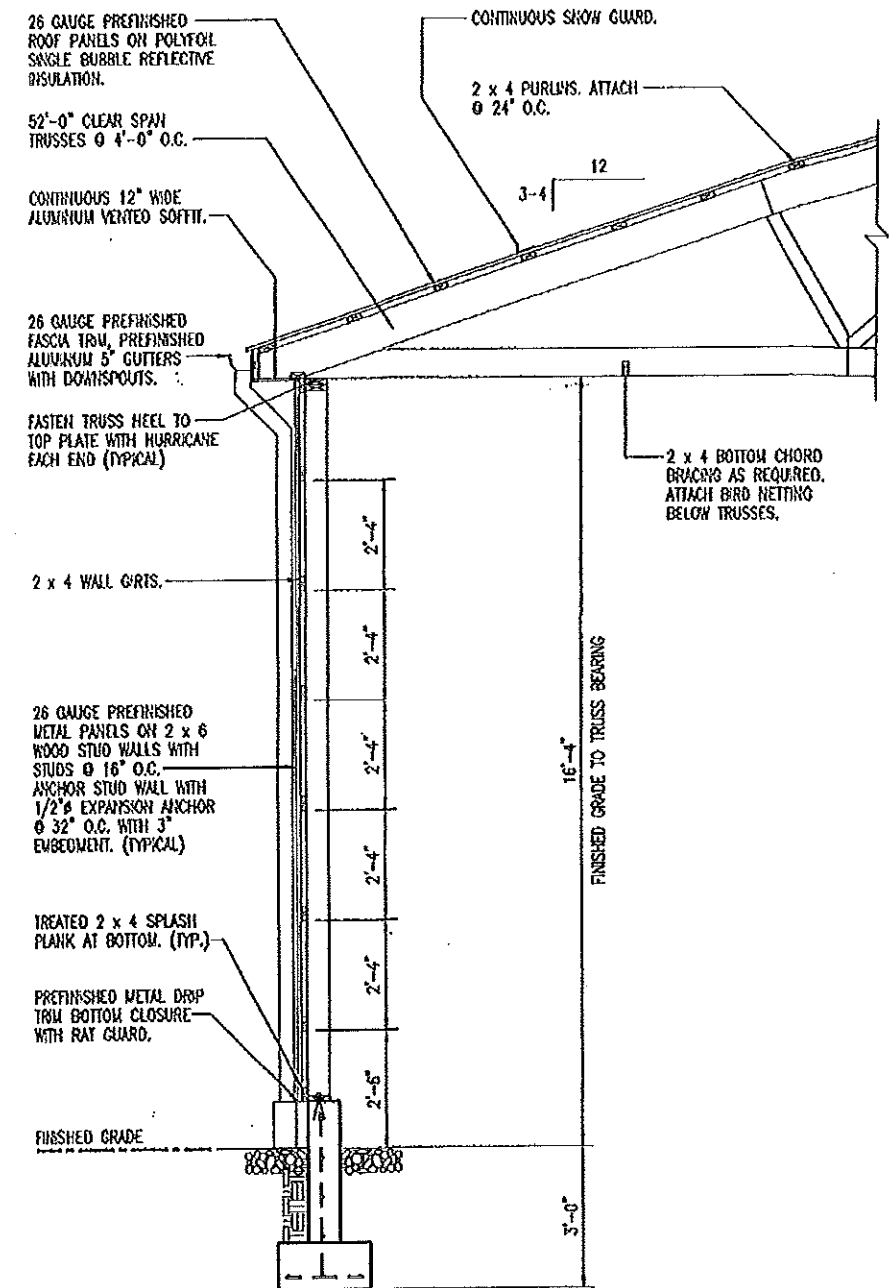
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Sheet
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A ENDWALL SECTION
18 SCALE: 1/4" = 1'-0"



B OVERHEAD DOOR SECTION
18 SCALE: 1/4" = 1'-0"



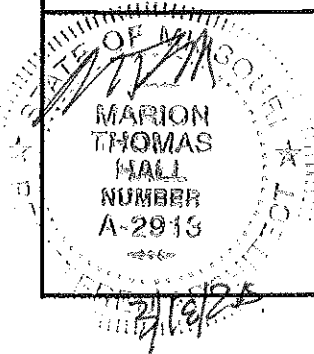
C SIDEWALL SECTION
18 SCALE: 1/4" = 1'-0"

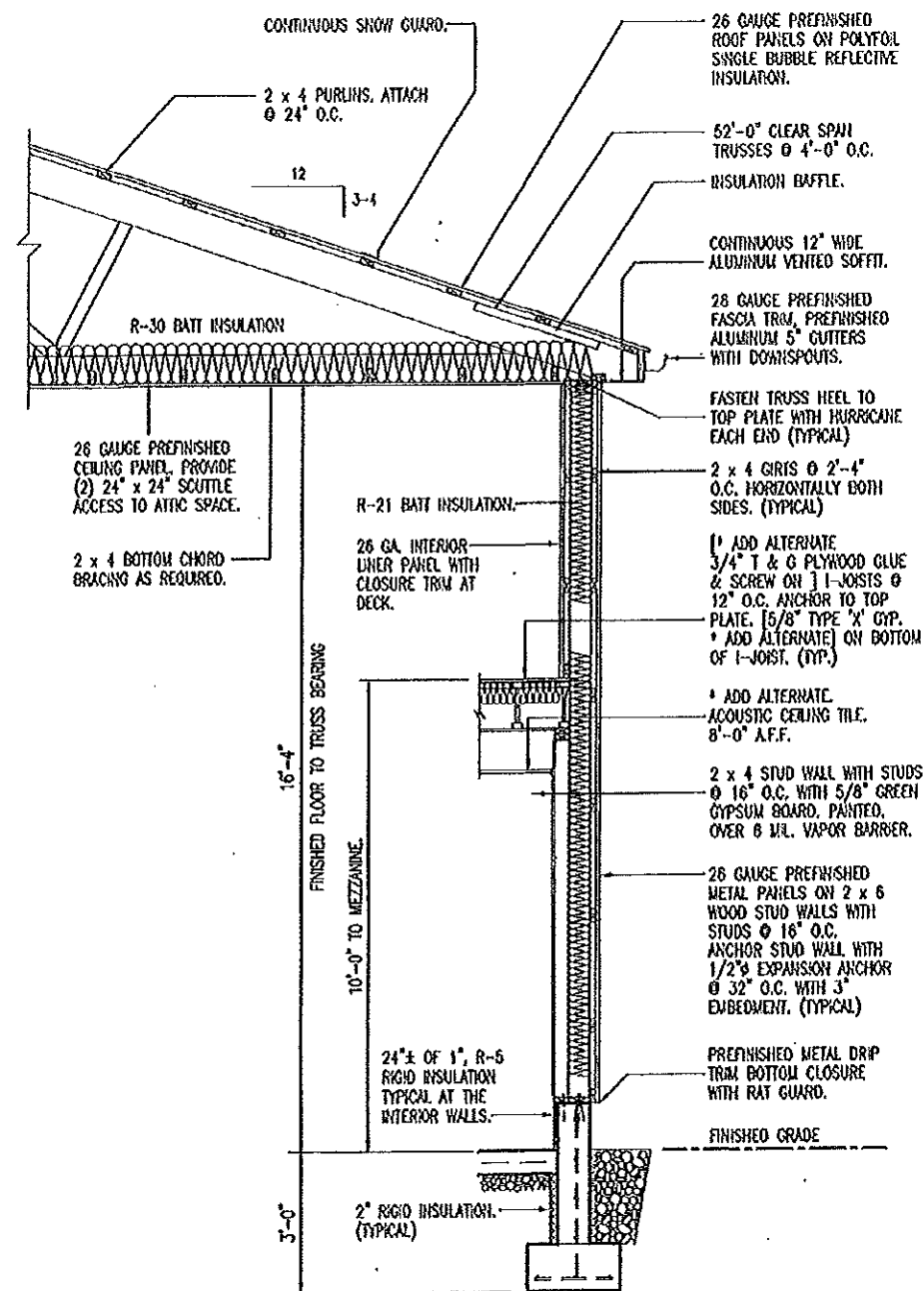
WALL SECTIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

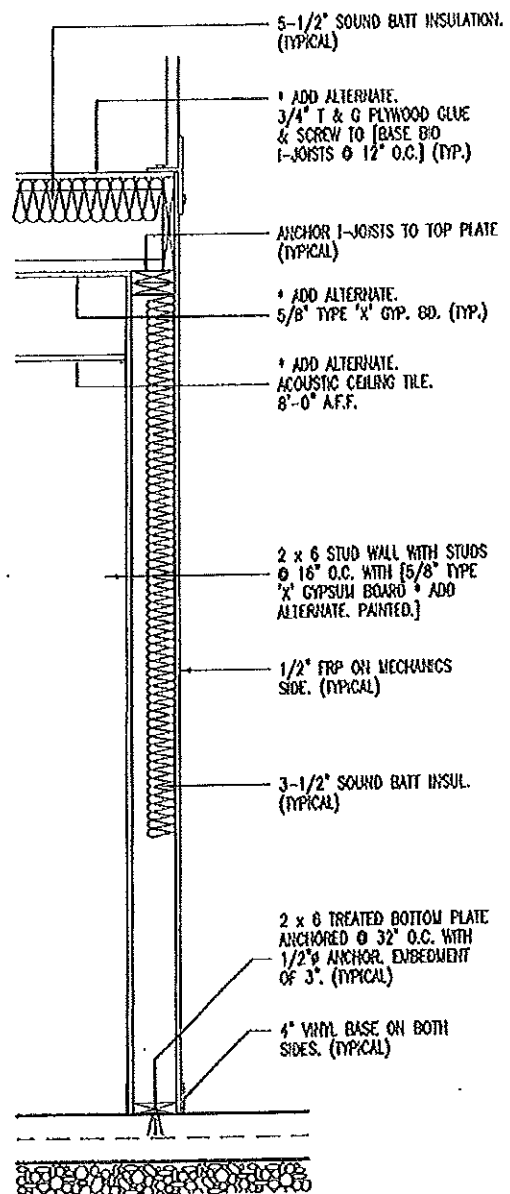
Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
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DATE: 3-8-2015
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A
19
SIDEWALL SECTION
SCALE: 1/4" = 1'-0"



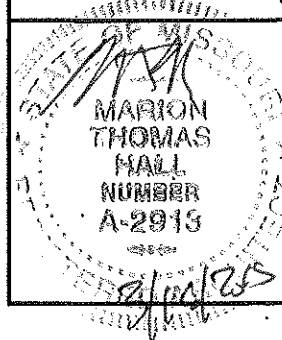
B
19
WALL SECTION
SCALE: 1/2" = 1'-0"

WALL SECTIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

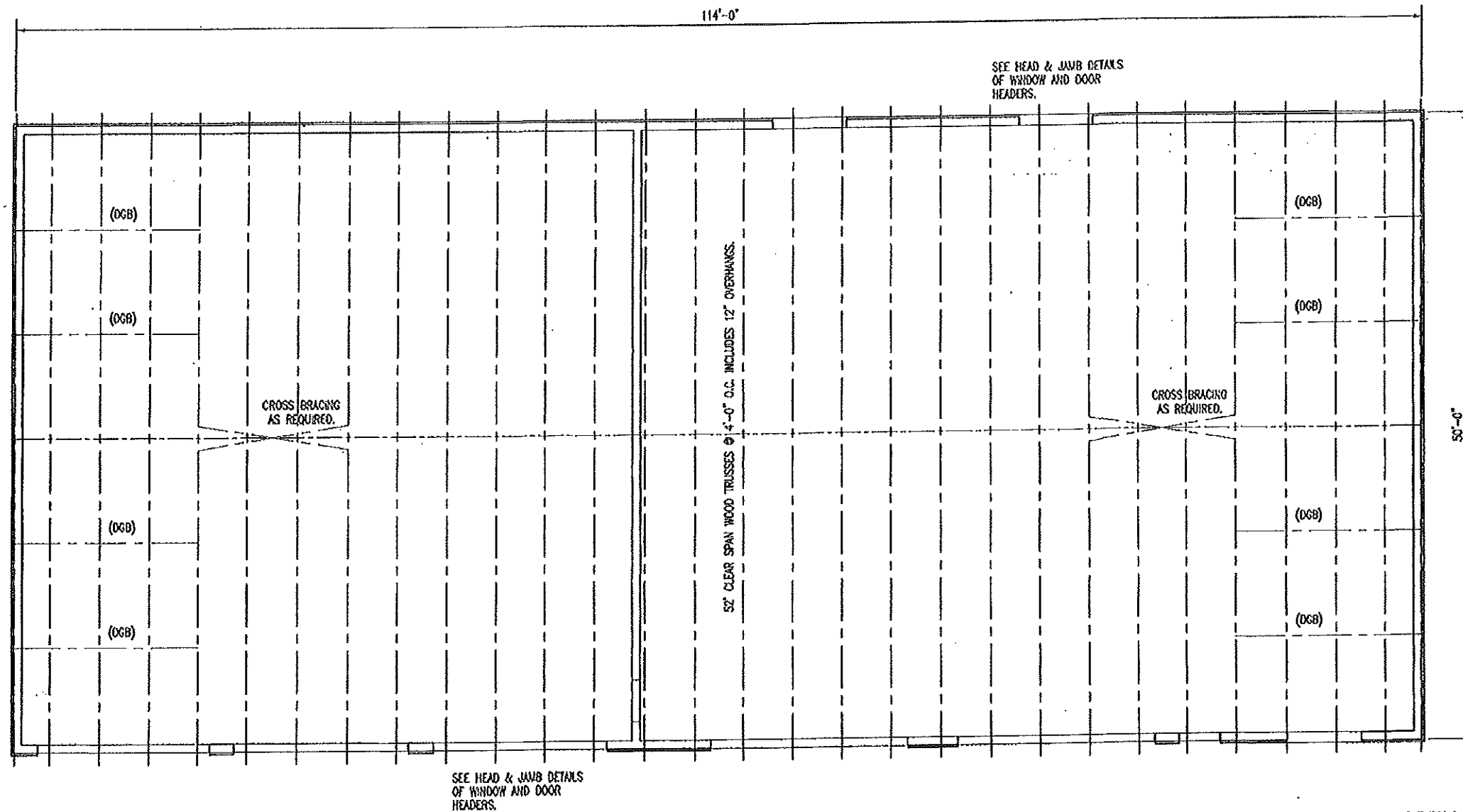
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(DCB) DIAGONAL GABLE BRACING AS REQUIRED.

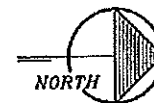
NOTE:
INSTALL BIRD NETTING TO
BOTTOM OF THE TRUSSES
IN UNFINISHED SPACE IN
HOT COLD STORAGE.



A
20

ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"



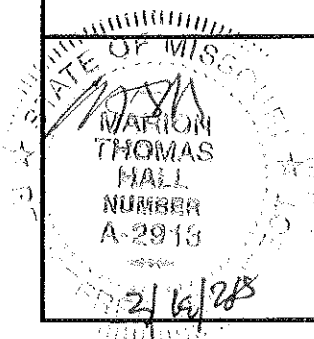
ROOF FRAMING NOTES

DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

ROOF LIVE LOAD	25 PSF
ROOF DEAD LOAD	4 PSF
BOTTOM CORD DEAD LOAD	5 PSF
EARTHQUAKE	ZONE 1, LATEST EDITION IBC
WIND	90 MPH, EXPOSURE B
DEFLECTION	L/360
SPACING	48" O.C. MAXIMUM

TRUSS DESIGN SUBMITTALS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI.

ROOF TRUSSES AND RAFTERS SHALL BE ANCHORED TO THE TOP PLATE OF LOAD BEARING WALLS WITH SEISING AND HURRICANE ANCHORS EQUAL TO SIMPSON STRONG-TIE LUS24Z ANCHORS.

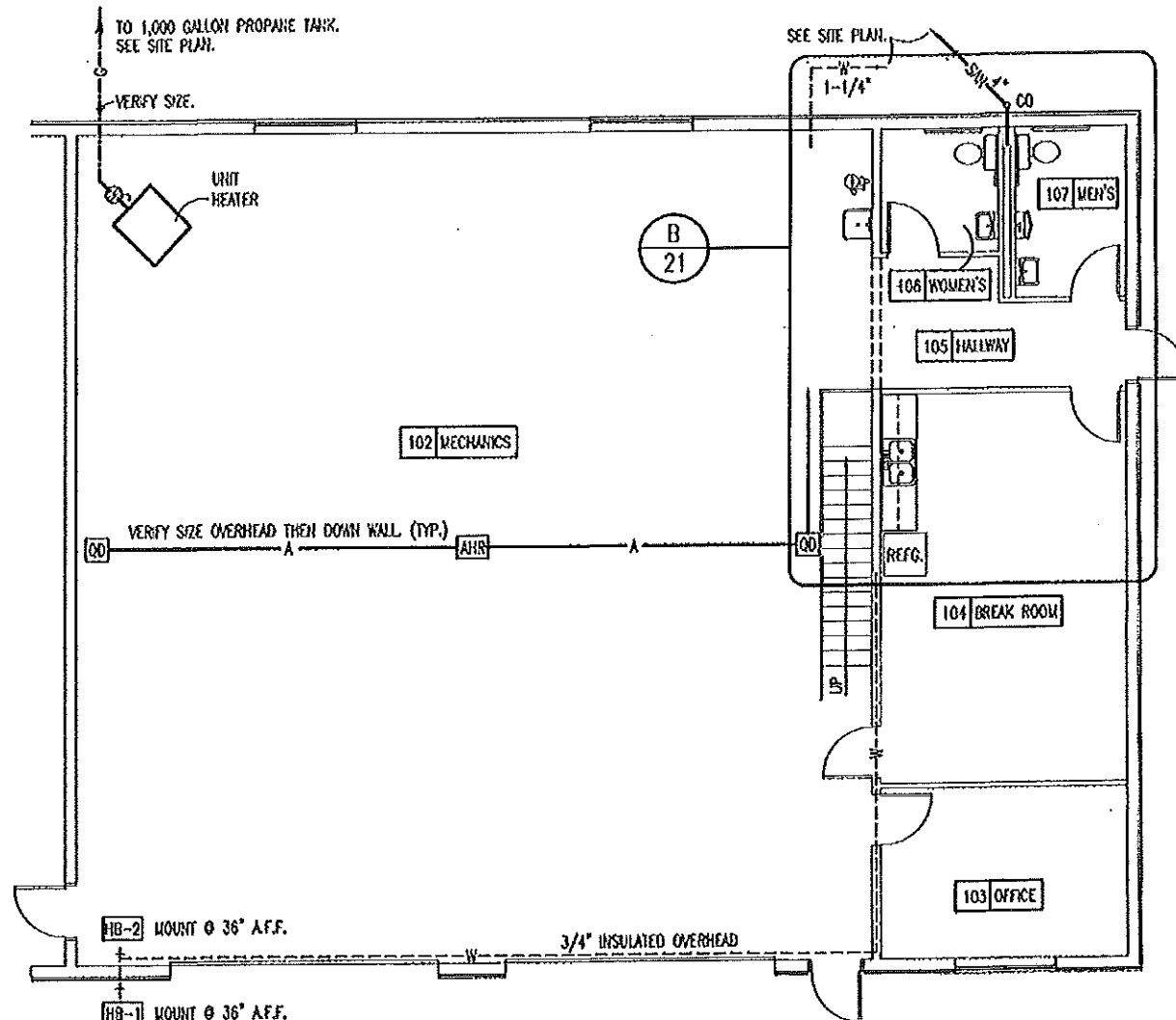


ROOF FRAMING PLAN

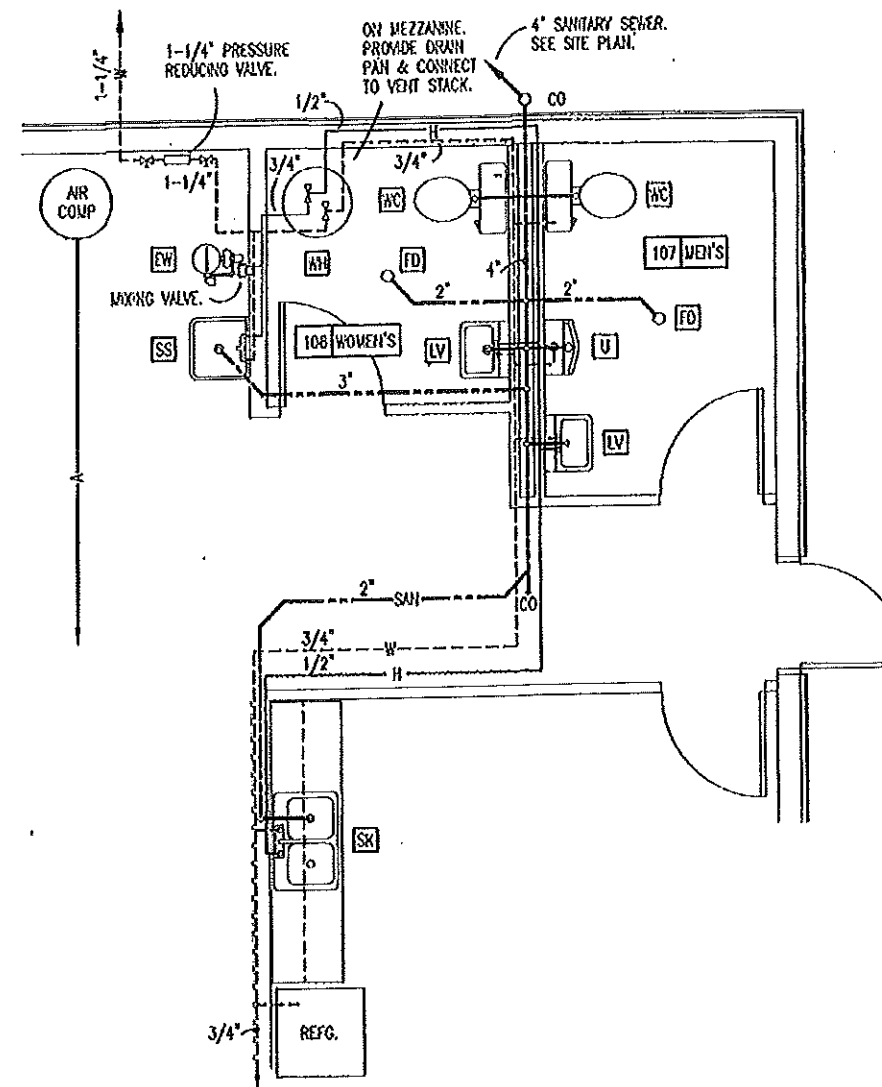
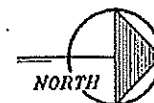
MISSOURI DEPARTMENT
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A
21
PLUMBING PLAN
SCALE: 3/32" = 1'-0"



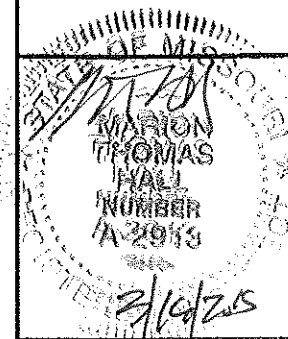
B
21
REST ROOM PLAN
SCALE: 3/32" = 1'-0"



SEE SHEET 23 FOR PLUMBING SCHEDULE & NOTES.

LEGEND

HOT WATER	— H —
WATER	— W —
SANITARY SEWER	— SAN —
COMPRESSED AIR	— A —
PROPANE GAS	— G —
CLEANOUT	C.O. —
GAS VALVE	⊗

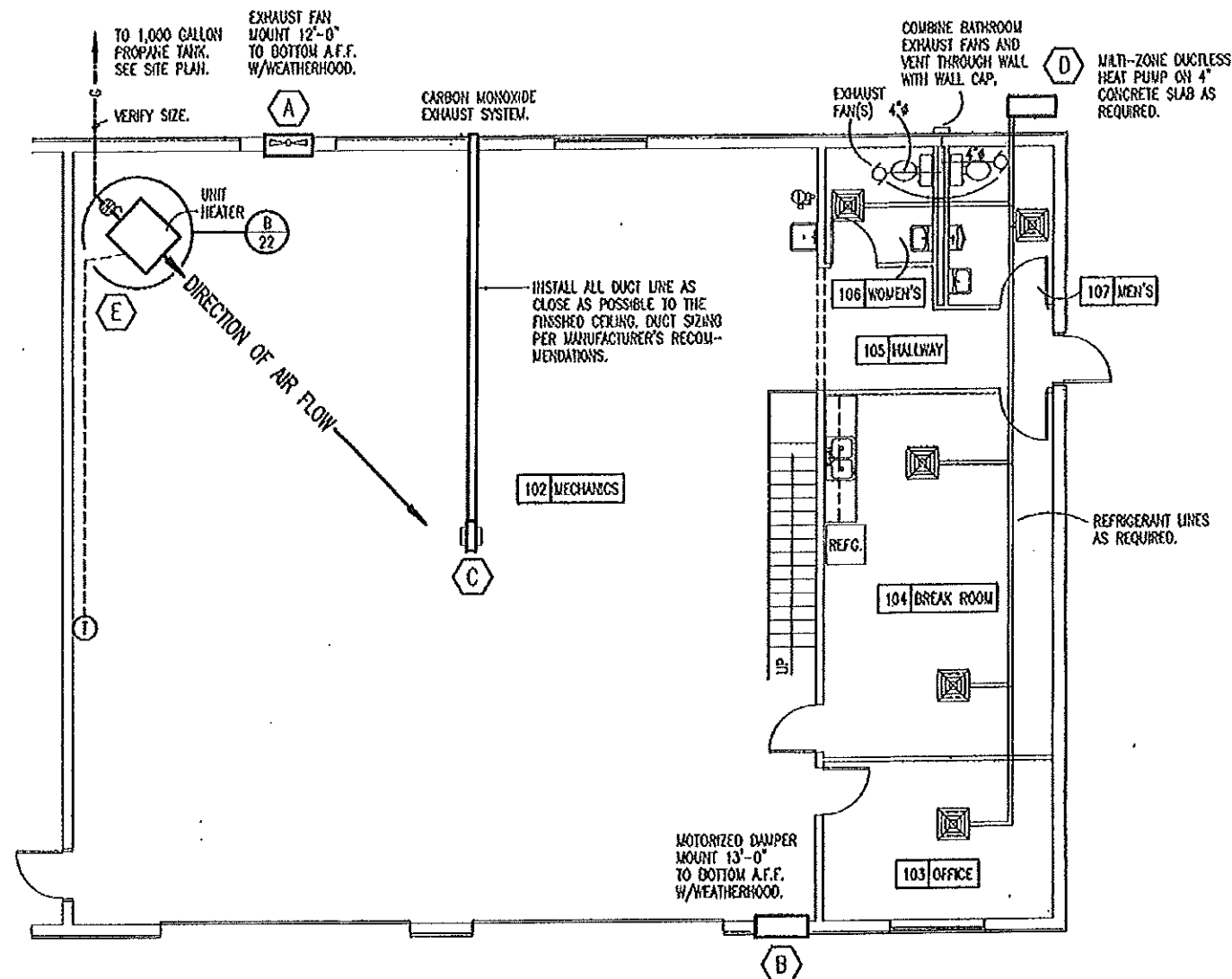


PLUMBING PLAN

**MISSOURI DEPARTMENT
OF TRANSPORTATION**
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District - Texas County
235 South Highway 17

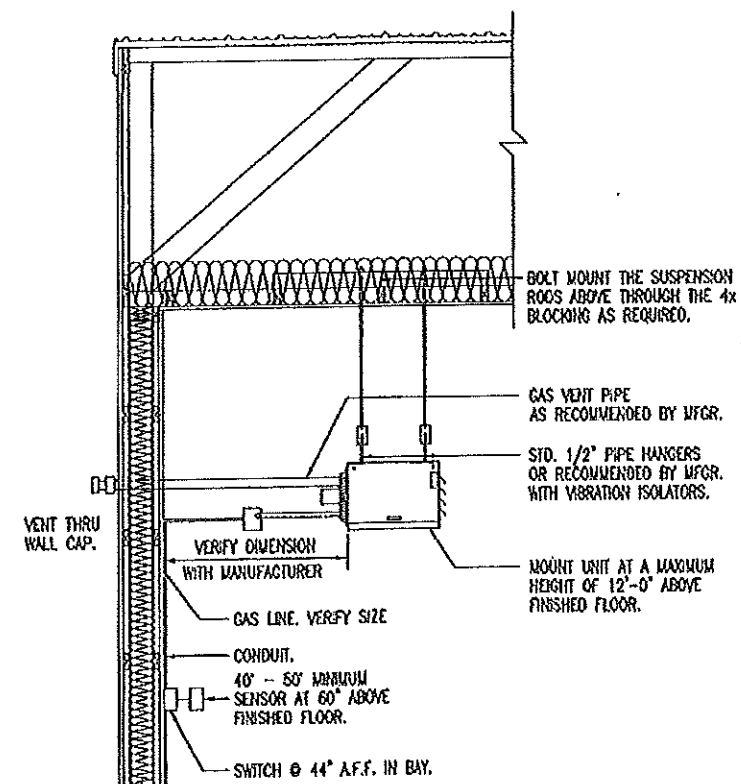
DESIGN BY: LARRY CARRER
DATE: 3-4-2013
Sheet
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A
22
MECHANICAL PLAN
SCALE: 3/32" = 1'-0"



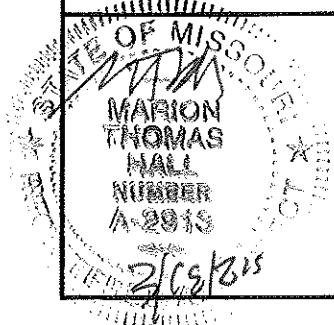
- D** HVAC: MULTI-ZONE DUCTLESS HEAT PUMP -- CARRIER OR EQUIV.
- OUTDOOR UNIT:
(ONE) 38UCQF48 -- 3 DLS 16 SEER 48K HP CDU
- 106 WOMEN'S:
(ONE) 40UB0809C -- 3 DLS 18 SEER 9K HP 10U CASSETTE
(ONE) WIRED KSACH0101CAG THERMOSTAT.
- 107 MEN'S:
(ONE) 40UB0809C -- 3 DLS 18 SEER 9K HP 10U CASSETTE
(ONE) WIRED KSACH0101CAG THERMOSTAT.
- 104 BREAK ROOM:
(TWO) 40UB08012C -- 3 DLS 18 SEER 12K HP 10U CASSETTE
(ONE) WIRED KSACH0101CAG THERMOSTAT.
- 103 OFFICE:
(ONE) 40UB0809C -- 3 DLS 18 SEER 9K HP 10U CASSETTE
(ONE) WIRED KSACH0101CAG THERMOSTAT.



B
22
UNIT HEATER INSTALLATION
NOT TO SCALE

SEE SHEET 23 FOR THE MECHANICAL NOTES.

SEE SHEET 9 FOR HVAC FIXTURE SCHEDULE.



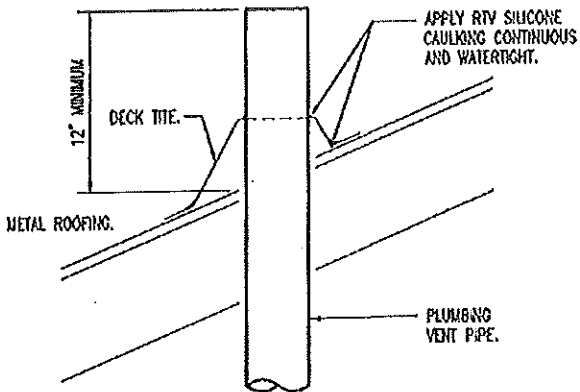
MECHANICAL PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Summersville Mechanics & Cold Storage Building
Southeast District -- Texas County
235 South Highway 17

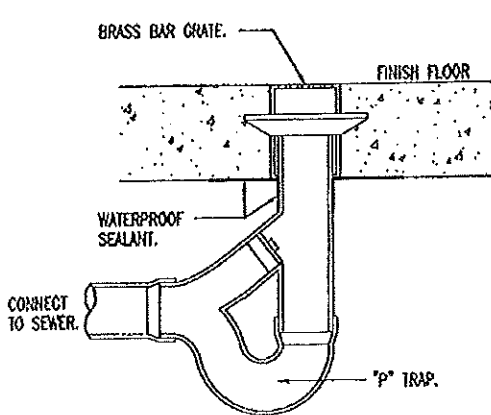
DESIGN BY: LARRY CARVER
DATE: 3-13-2015
Sheet
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PLUMBING SCHEDULE						
SYM.	FIXTURE	PIPE CONNECTION				REMARKS
		CW	HW	S&W	VENT	
WC	WATER CLOSET	1/2"		3'	2"	EQUAL TO AMERICAN STANDARD #2377.100 FLOOR MOUNT, PRESSURE ASSISTED, ELONGATED WATER-SAVER "CADET" WATER CLOSET, 16-1/2" HIGH 3109.016 BOWL, 4098.100 TANK, INCLUDE OPEN FRONT SEAT WITH LID. (WHITE)
U	URINAL	3/4"		1-1/2'	1-1/2"	EQUAL TO AMERICAN STANDARD #6601.021 "LYNDROOK" 1.0 GALLON URINAL WITH SLOAN ROYAL 180-1 FLUSH VALVE.
LV	LAVATORY	1/2"	1/2"	2'	2"	EQUAL TO AMERICAN STANDARD #4867.024, 20" x 18" ENAMELED, CAST IRON "REGALYN" WALL MOUNT LAVATORY WITH 4" CENTERSET SYMMONS SYMMETRIX S-20-2-BH SINGLE LEVER LAVATORY FAUCET. INCLUDE AN ADA APPROVED INSULATION KIT.
SS	SERVICE SINK	1/2"	1/2"	3'	2"	EQUAL TO AMERICAN STANDARD #7692.049, 22" x 18" ENAMELED, CAST IRON "LAKEWELL" SERVICE SINK W/ 8310.242 HERITAGE LEVEL HANDLE FAUCET, AND 7798.176 P-TRAP.
EW	EMERGENCY EYE WASH	1-1/4"	3/4"			EQUAL TO BRADLEY "MODEL S19-310" DRENCH SHOWER/EYE WASH UNIT SAFETY YELLOW, S19-2100 THERMOSTATIC MIXING VALVE.
WH	WATER HEATER	3/4"	3/4"			A.O. SMITH MODEL HUMBER EES-30 (2) 4500 WATT, 240 VOLT ELEMENTS, 30 GALLON ELECTRIC WITH PRESSURE RELIEF VALVE OR EQUAL. MOUNT ON MEZZANINE WITH DRAIN PAN.
HB-1	HOSE BIBB	3/4"				EXTERIOR - EQUAL TO WOODFORD MODEL 87 FREEZELESS WALL HYDRANT WITH 3/4" H.P.T. OUTLET, INTEGRAL VACUUM BREAKER-BACK FLOW PREVENTER. (N.I.C.)
HB-2	HOSE BIBB	3/4"				INTERIOR - EQUAL TO WOODFORD MODEL 26 WALL FAUCET WITH 3/4" H.P.T. OUTLET, INTEGRAL VACUUM BREAKER-BACKFLOW PREVENTER.
FD	FLOOR DRAIN			2'		PVC FLOOR DRAIN WITH P-TRAP, 6-1/2" DIA. NICKLE-BRONZE STRAINER, 2" FIP THREADED THROAT-BALL BACKWATER DEVICE, 1-1/2" PRE-INSTALLED FIP CLEAN-OUT THREADS.
CO	CLEAN OUT					BRASS WITH ADAPTER AND CAP EQUAL TO PIPE SIZE SHOWN.
AC	AIR COMPRESSOR					EQUAL TO INGERSOLL-RAND MODEL #2475N7.5, 7.5 HP, 80 GALLON VERTICAL, 24.0 (ACFM) CAPACITY. PROVIDE RUBBERIZED WASHERS AT EACH FLOOR MOUNT TO ACT AS A SHOCK ABSORBER. SIZE MOUNT AS REQUIRED. PROVIDE LINE FILTERS AS REQUIRED.
AHR	AIR HOSE REEL					EQUAL TO REELCRAFT 7850 OLP 57 300 LOW PRESSURE HEAVY DUTY ALL STEEL CONSTRUCTION WITH ONE PIECE WRAP AROUND GUIDE ARM.
QD	QUICK DISCONNECT					VERIFY SIZE WITH MOODS MECHANIC. MOUNT AT 48" A.F.F. ATTACH RIGIDLY TO GRIS.
SK	SINK	1/2"	1/2"	2'	2"	EQUAL TO ELKAY MODEL PSR-3321 DOUBLE BOWL SINK WITH STANDARD 4 HOLE PATTERN AND ELKAY MODEL LK-4301-F CHROME FAUCET, SPOUT, SHVEL, AERATOR AND SPRAY. PROVIDE HYSBERKER EVOLUTION 3/4 HP, 8.1 AMP, GARBAGE DISPOSAL.



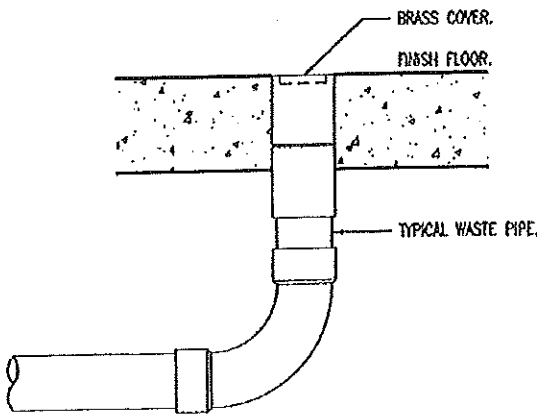
VENT THROUGH ROOF DETAIL

SCALE: NONE



FLOOR DRAIN DETAIL

SCALE: NONE



FLOOR CLEANOUT DETAIL

SCALE: NONE

MECHANICAL NOTES

1. DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. MECHANICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE IBC MECHANICAL CODE.
3. PROVIDE EQUIPMENT AND APPURTENANCES NOT NECESSARILY SHOWN OR SPECIFIED BUT NEEDED FOR COMPLETE AND PROPER INSTALLATION.
4. ALL EQUIPMENT AND MATERIALS, IN PARTICULAR VALVES, FILTERS, MOTORS, AND CONTROLS SHALL BE ARRANGED TO PROVIDE PROPER CLEARANCE FOR SERVICE, MAINTENANCE AND INSPECTION.
5. MECHANICAL SUBCONTRACTOR SHALL FULLY COORDINATE ALL WORK WITH PLUMBING AND ELECTRICAL WORKERS PRIOR TO COMMENCING OF THE MECHANICAL INSTALLATION.
6. PROVIDE BLOCKING TO HVAC DEVICES AS REQUIRED FOR A SECURE APPLICATION.

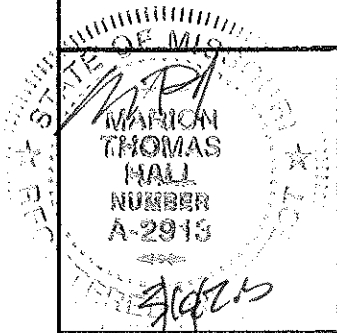
PLUMBING NOTES

1. DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. PLUMBING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE.
3. PLUMBING SHALL BE LOCATED AND PLACED UNDER THE SLAB PRIOR TO POURING OF CONCRETE. PIPING SHALL BE RUN IN SAND FILLED TRENCH UNDER THE BASE ROCK AND SLEEVED WITH PVC WHENEVER RUN THROUGH CONCRETE.
4. PROVIDE PLUMBING EQUIPMENT AND ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
5. PLUMBING VENTS ARE NOT SHOWN ON THE PLANS. ALL FIXTURES SHALL BE PROPERLY VENTED AS PER IBC PLUMBING CODE.
6. ROOF VENTS SHALL BE CORNERED WHEREVER IN COMPLIANCE WITH THE NATIONAL PLUMBING CODE TO MINIMIZE ROOF PENETRATIONS.
7. PROVIDE SHUT OFF VALVES AT EACH FIXTURE.
8. PROVIDE SHOCK ABSORBERS AS REQUIRED AT EACH FAUCET.
9. SEE MECHANICAL PLAN FOR GAS PIPING AND MECHANICAL REQUIREMENTS.
10. CONTRACTOR TO PROVIDE CAST IRON VENT PIPING IN PLENUM AS REQUIRED BY CODE. SECURE AS REQUIRED.

A
23

PLUMBING & MECHANICAL NOTES

SCALE: NONE



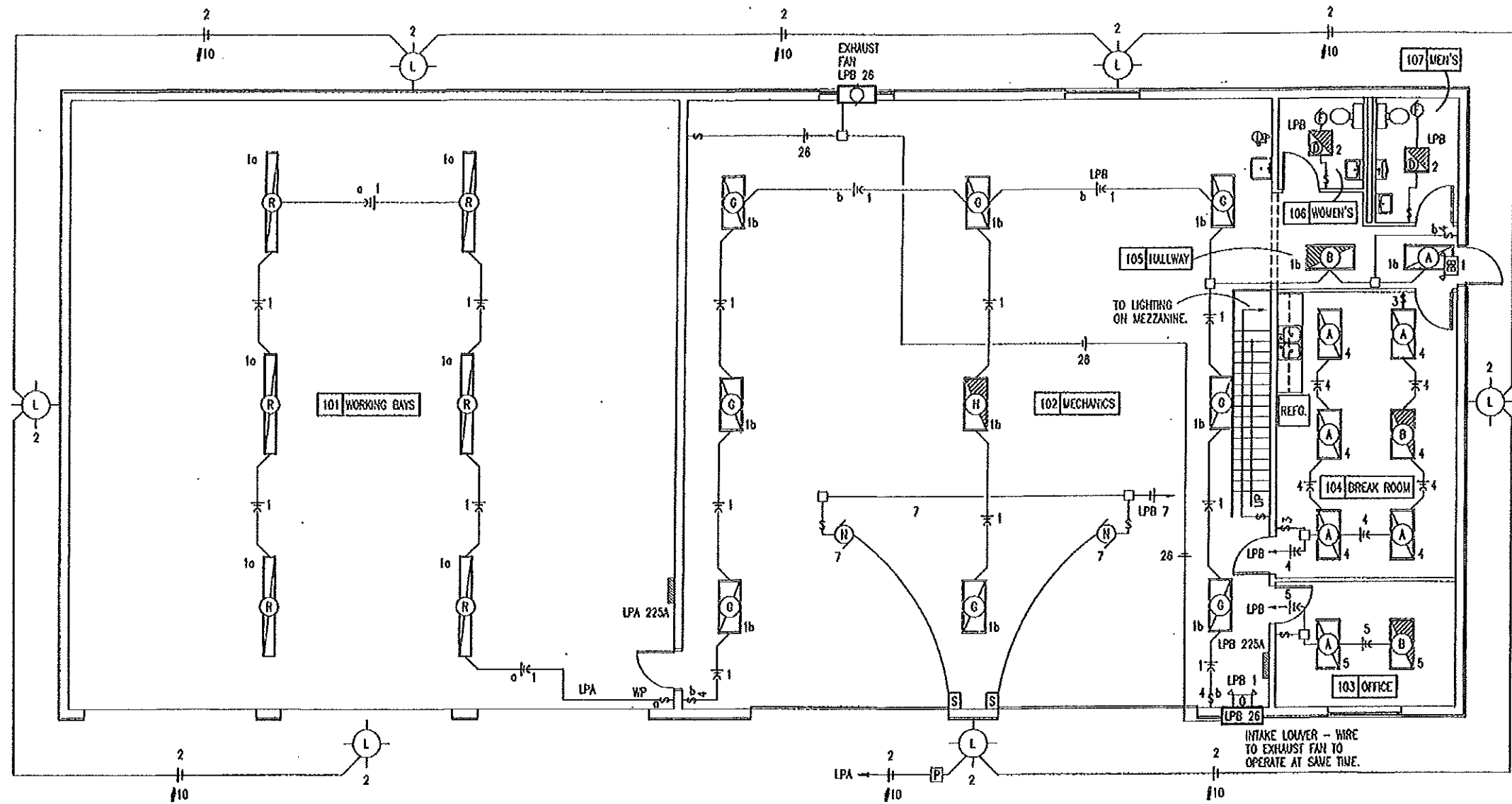
Plumbing & Mechanical Notes

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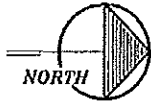
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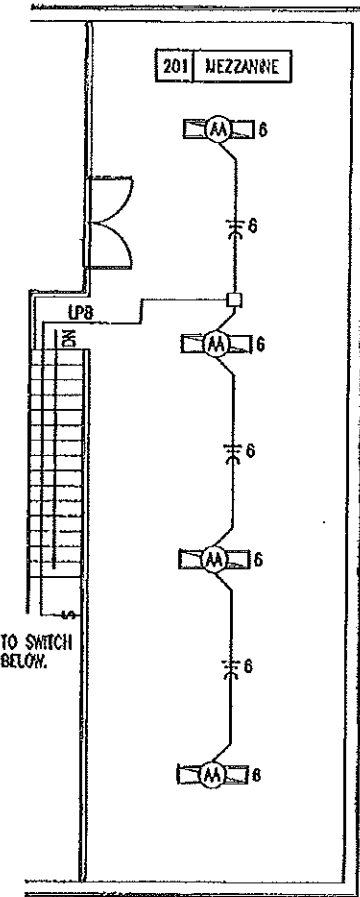
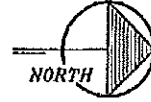
SEE ELECTRICAL SCHEDULE
SHEET 26. LEGEND ON SHEET 25.



A LIGHTING PLAN
24 SCALE: 3/32" = 1'-0"



B MEZZANINE LIGHTING PLAN
24 SCALE: 3/32" = 1'-0"



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2/16/2015

LIGHTING PLAN

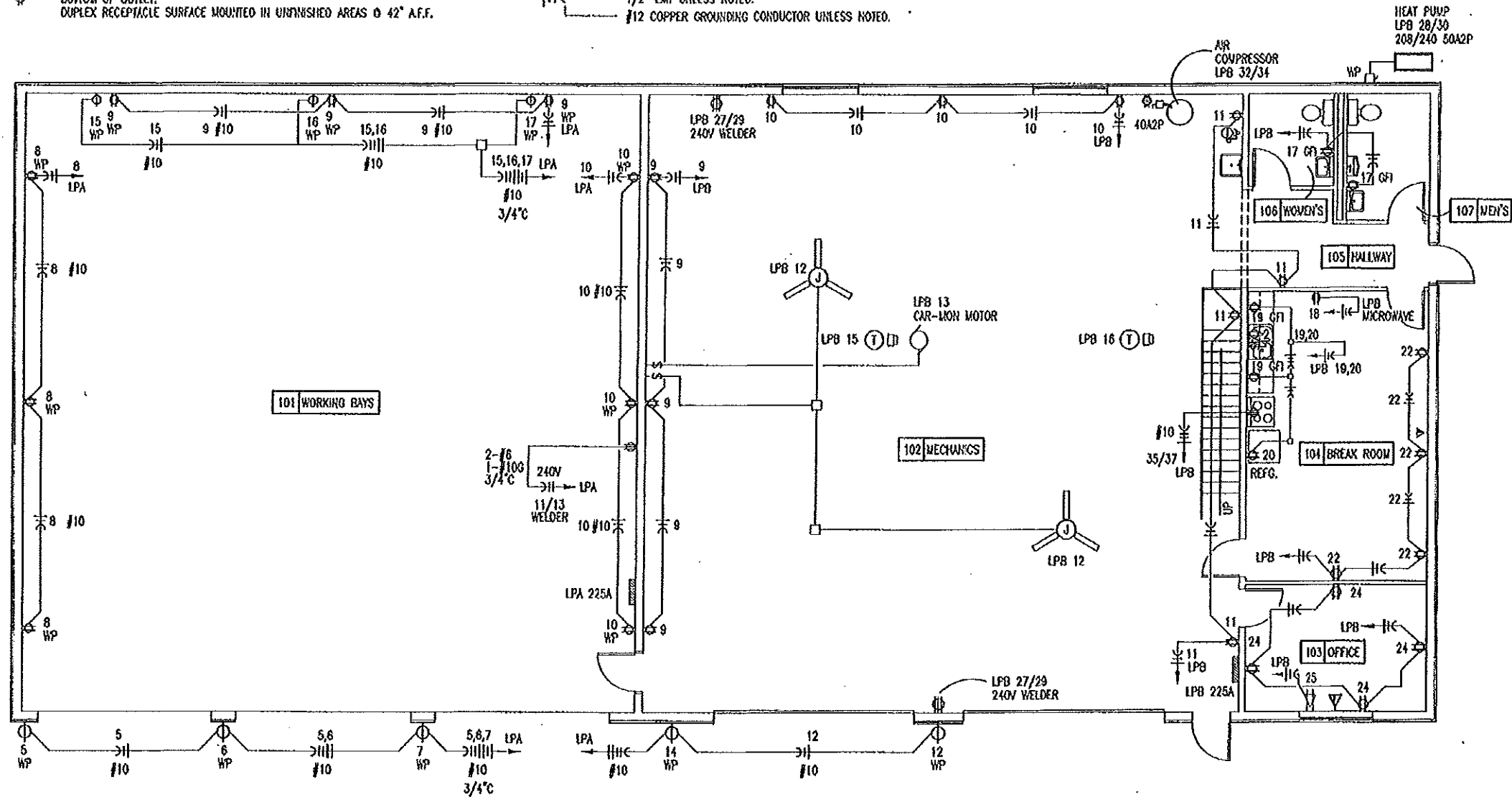
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LEGEND

- \$ WP SINGLE POLE OR 3-WAY SWITCH, MOUNT IN FS BOX WITH HUBBELL HBL7420 COVER.
- Φ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.
- Φ WP SINGLE RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL7423 COVER.
- \$ SINGLE POLE SWITCH, FLUSH MOUNTED IN FINISHED AREAS @ 48" A.F.F.
- \$ 3-WAY SWITCH, SURFACE MOUNTED IN UNFINISHED AREAS @ 48" A.F.F.
- \$ 4-WAY SWITCH, SURFACE MOUNTED IN FINISHED AREAS @ 48" A.F.F.
- Φ DUPLEX RECEPTACLE FLUSH MOUNTED IN FINISHED AREAS @ 18" A.F.F. TO BOTTOM OF OUTLET.
- Φ DUPLEX RECEPTACLE SURFACE MOUNTED IN UNFINISHED AREAS @ 42" A.F.F.
- Φ WELDER RECEPTACLE SURFACE MOUNTED 42" A.F.F., MOUNT IN 4" SQUARE BOX WITH RAISED COVER.
- Φ GFI DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER. PROVIDE SEPARATE GROUND PER CIRCUIT. TYPICAL.
- JUNCTION BOX, SIZE FOR WIRE, FILL ACCORDING TO ARTICLE 314-16 OF THE N.E.C.
- NON FUSED DISCONNECT SWITCH.
- #12 COPPER NEUTRAL CONDUCTOR UNLESS NOTED.
- #12 COPPER PHASE CONDUCTORS UNLESS NOTED.
- 1/2" EMT UNLESS NOTED.
- #12 COPPER GROUNDING CONDUCTOR UNLESS NOTED.
- ⌋ DEDICATED RECEPTACLE FLUSH MOUNTED IN FINISHED AREAS @ 18" A.F.F. TO BOTTOM OF OUTLET.
- ⌋ VOICE AND DATA OUTLET FLUSH MOUNTED IN FINISHED AREAS @ 18" A.F.F. TO BOTTOM OF OUTLET.

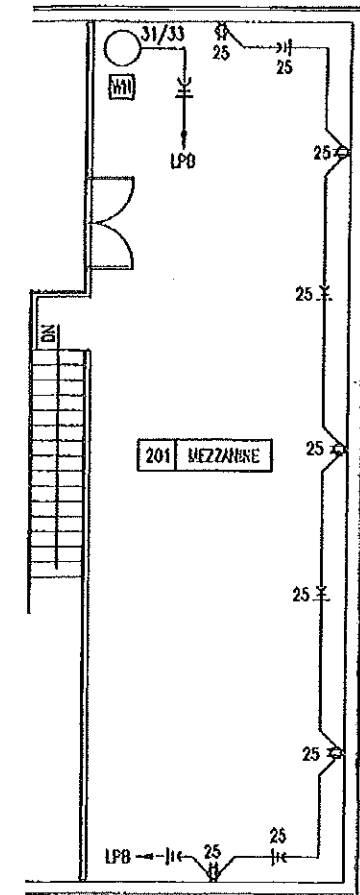


A POWER PLAN
SCALE: 3/32" = 1'-0"



SEE ELECTRICAL SCHEDULE
SHEET 26.

B MEZZANINE POWER PLAN
SCALE: 3/32" = 1'-0"



POWER PLAN

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ELECTRIC SCHEDULE

MANUF.	MODEL	LAMPS TYPE	W	MNT	REMARKS
WILLIAMS	506-S24-LED/UT 50/835- RPC12125-ED/UT-UNV	LED	51	CLG	24" x 48" STATIC TROFFER FIXTURE, HOUSING: 22 GAUGE DIE FORMED C.R.S. SHIELDING: FROSTED ACRYLIC, PATTERN #12.
WILLIAMS	506-S24-LED/UT 50/835- RPC12125-EV/BSL310- ED/UT-UNV	LED	51	CLG	24" x 48" STATIC TROFFER FIXTURE, HOUSING: 22 GAUGE DIE FORMED C.R.S. SHIELDING: FROSTED PATTERN #12 & EMERGENCY DRIVER.
WILLIAMS	506-S22-LED/UT30/85- RPC12125-EV/BSL310- ED/UT-UNV	LED	25	CLG	24" x 24" STATIC TROFFER FIXTURE, HOUSING: 22 GAUGE DIE FORMED C.R.S. SHIELDING: FROSTED PATTERN #12 & EMERGENCY DRIVER.
BROWN	GRANGER #4C772			CLG	80 CFM CEILING MOUNT BATHROOM VENTILATOR.
WILLIAMS	GL-4-L200/840-WG11- DRV-UNV	LED	174	CLG	14-3/16" x 48" DIE-FORMED ALUMINUM HOUSING WITH WIRE GUARD.
WILLIAMS	GL-4-L200/840-EV/ BSL310-WG11-DRV-UNV	LED	174	CLG	14-3/16" x 48" DIE-FORMED ALUMINUM HOUSING WITH WIRE GUARD. BACK MOUNTED EMERGENCY LED DRIVER.
ATLAS	WLM43LED	LED	43	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING. GLARE FREE LENS.
DAYTON	GRANGER #SNP23			CLG	SINGLE-SPEED, 48" THREE-BLADE, HEAVY DUTY COMMERCIAL CEILING FAN.
	OVERHEAD DOOR OPERATOR			WALL	115V, 1-PH, TROLLEY TYPE. SEE SPECIFICATION SECTION 08720.
LITHONIA	LIQW P W3 R H			WALL	QUANTUM THERMOPLASTIC EXIT/UNIT COMBO (2) LED 5.4 KRYPTON LAMPS.
TORK	2001			WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.
WILLIAMS	GLH-8-L210/840 WG11-DRV-UNV	LED	171	WALL	8-11/16" x 96" FIXTURE. HEAVY GAUGE ALUMINUM HOUSING WITH WIRE GUARDS.
	OVERHEAD DOOR CONTROL			WALL	THREE BUTTON OVERHEAD DOOR CONTROL AS SUPPLIED BY OVERHEAD DOOR MANUF. SEE SPECIFICATION SECTION 08720.
REELCRAFT	L 4050 163 I			CLG	CEILING MOUNTED SPRING RETRACTABLE, ELECT. CORD REEL WITH INCANDESCENT LAMP & THREE PRONG OUTLET PLUG.
WILLIAMS	78L-4-LED/PH50/835- A12125-ED/PH-UNV	LED	51	CLG	2-3/4" x 48" 22 GAUGE DIE-FORMED C.R.S. SHIELDING: ACRYLIC PATTERN #12, .125" THICK.
PATHWAY	PLEXIDUXR			WALL	SOLID STATE 2-RATE CHARGER, NI-CAD BATTERY (2) LED LAMPS. 3.7 WATTS, 0.040 A.

ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER
FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.

SERVICE PANEL LPA

MAIN BUS: 225A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: SURFACE		SQUARE "D" HOOD OR EQUAL W/ NEUTRAL BUS & GROUNDING BUS CIRCUIT BREAKERS BOLT-IN 10000 AC		CONNECTED LOAD A PHASE 10155 VA B PHASE 8500 VA TOTAL 19655 VA 82 A	
CIR	SERVICE	VA	BKR	VA	CIR
1	LIGHTS -- 101 WORKING BAYS	317	20A1P	A	258
3	SPACE	-	-	B	20A1P
5	EXTERIOR RECEPTACLE	1000	30A1P	A	30A1P
7	EXTERIOR RECEPTACLE	1000	30A1P	B	30A1P
9	101- RECEPTACLES	540	20A1P	A	20A1P
11	101 -- WELDER	4500	50A2P	B	20A1P
13		4500		A	20A1P
15	INTERIOR RECEPTACLE	1000	20A1P	B	20A1P
17	INTERIOR RECEPTACLE	1000	20A1P	A	
19				B	
21				A	
23				B	
25				A	
27				B	
29				A	
31				B	
33				A	
35				B	
37				A	
39				B	
41				A	

⊗ CIRCUIT BREAKER SHALL BE GFI RATED

SERVICE PANEL LPB

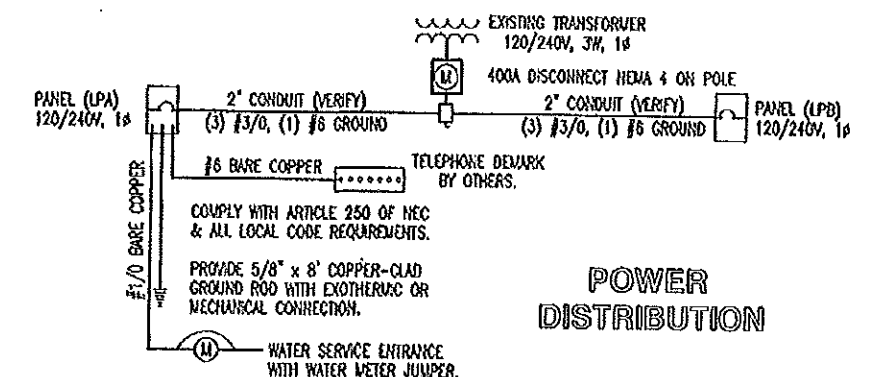
MAIN BUS: 225A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: SURFACE		SQUARE "D" HOOD OR EQUAL W/ NEUTRAL BUS & GROUNDING BUS CIRCUIT BREAKERS BOLT-IN 10000 AC		CONNECTED LOAD A PHASE 27040 VA B PHASE 24684 VA TOTAL 51724 VA 216 A	
CIR	SERVICE	VA	BKR	VA	CIR
1	LIGHTS -- 102 MECHANICS	1626	20A1P	A	20A1P
3	GARAGE DOOR OPENERS	2162	30A1P	B	20A1P
5	LIGHTS -- 103 OFFICE	102	20A1P	A	20A1P
7	SPACE	-	-	B	-
9	102 -- RECEPTACLES	540	20A1P	A	20A1P
11	102 -- RECEPTACLES	720	20A1P	B	20A1P
13	CARBON MONOXIDE	1553	20A1P	A	-
15	CORD REEL	540	20A1P	B	20A1P
17	RESTROOMS GFI RECEPTACLES	360	20A1P	A	20A1P
19	BREAK ROOM GFI RECEPTACLES	360	20A1P	B	20A1P
21	GARBAGE DISPOSAL	972	20A1P	A	20A1P
23	SPARE	-	20A1P	B	20A1P
25	OFFICE DEDICATED RECEPTACLE	180	20A1P	A	20A1P
27	102 -- WELDER MECHANICS	4500	50A2P	B	50A2P
29		4500		A	
31	WATER HEATER	3000	30A2P	B	40A2P
33		3000		A	
35	RANGE	3000	30A2P	B	
37		3000		A	
39				B	
41				A	

⊗ CIRCUIT BREAKER SHALL BE GFI RATED

ELECTRICAL NOTES

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- ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.).
- PROVIDE ELECTRICAL EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
- SWITCHES AND RECEPTACLES SHALL BE EQUAL TO THE AMPERE RATING SHOWN IN THE PANEL SCHEDULE. RECEPTACLES SHALL BE GROUND-FAULT INTERRUPTION TYPE WHERE SHOWN OR AS REQUIRED BY CODE.
- BATHROOM EXHAUST FAN IS TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- SEE HVAC SCHEDULE FOR EQUIPMENT TO BE HARD WIRE, PROVIDE SERVICE DISCONNECT AT EACH.
- ALL RECEPTACLES IN GARAGE AREA TO BE MOUNTED AT 48" A.F.F.
- COORDINATE WORK WITH OTHER TRADES PRIOR TO COMMENCING WITH ELECTRICAL WORK.
- CONDUCTOR AND BREAKER SIZE MAY VARY PER MANUFACTURER ON THE EQUIPMENT SPECIFIED. ELECTRICAL CONTRACTOR TO VERIFY SIZES WITH EXACT EQUIPMENT ORDERED PRIOR TO PURCHASING ELECTRICAL SUPPLIES.
- FIXTURE LOCATIONS ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED AFTER COLLABORATION WITH THE OWNER AND OTHER TRADES.

- CONTRACTOR SHALL PROVIDE SERVICE DISCONNECTS AS REQUIRED AT EXTERIOR OF BUILDING.
- PROVIDE BLOCKING FOR ELECTRICAL DEVICES AS REQUIRED FOR A SECURE APPLICATION.
- PROVIDE CONDUCTORS AND CONDUIT TO TRANSFORMER 100'-0"± TO POLE NORTHEAST OF NEW BUILDING AS REQUIRED FOR A FUNCTIONAL SERVICE.



POWER
DISTRIBUTION

ELECTRICAL PANELS

MISSOURI DEPARTMENT
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

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