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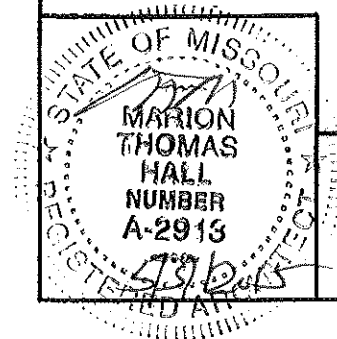
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MISSOURI DEPARTMENT OF TRANSPORTATION

SIKESTON
Working Bays/Cold Storage Building
Southeast District
111 Edwards Avenue, Sikeston, MO 63801
Scott County

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC
PLUMBING CODE - CURRENT IBC
MECHANICAL CODE - CURRENT IBC
ELECTRICAL CODE - CURRENT N.E.C.



COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

SIKESTON
Working Bays/Cold Storage Building
111 Edwards Avenue, Sikeston, MO 63801
Southeast District - Scott County

DESIGN BY: KERRY CARVER
DATE: 5-1-15
Sheet
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LEGEND (EXISTING)

TELECOMMUNICATIONS --- T ---
 NATURAL GAS --- G ---
 WATER --- W ---
 ELECTRIC 1 PHASE --- E ---
 SANITARY SEWER --- S/W ---
 DISCONNECT BOX - DB
 POWER POLE - PP
 PULL BOX - PB

LEGEND (NEW)

ELECTRIC 1 PHASE --- E ---

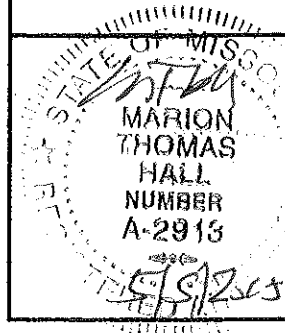
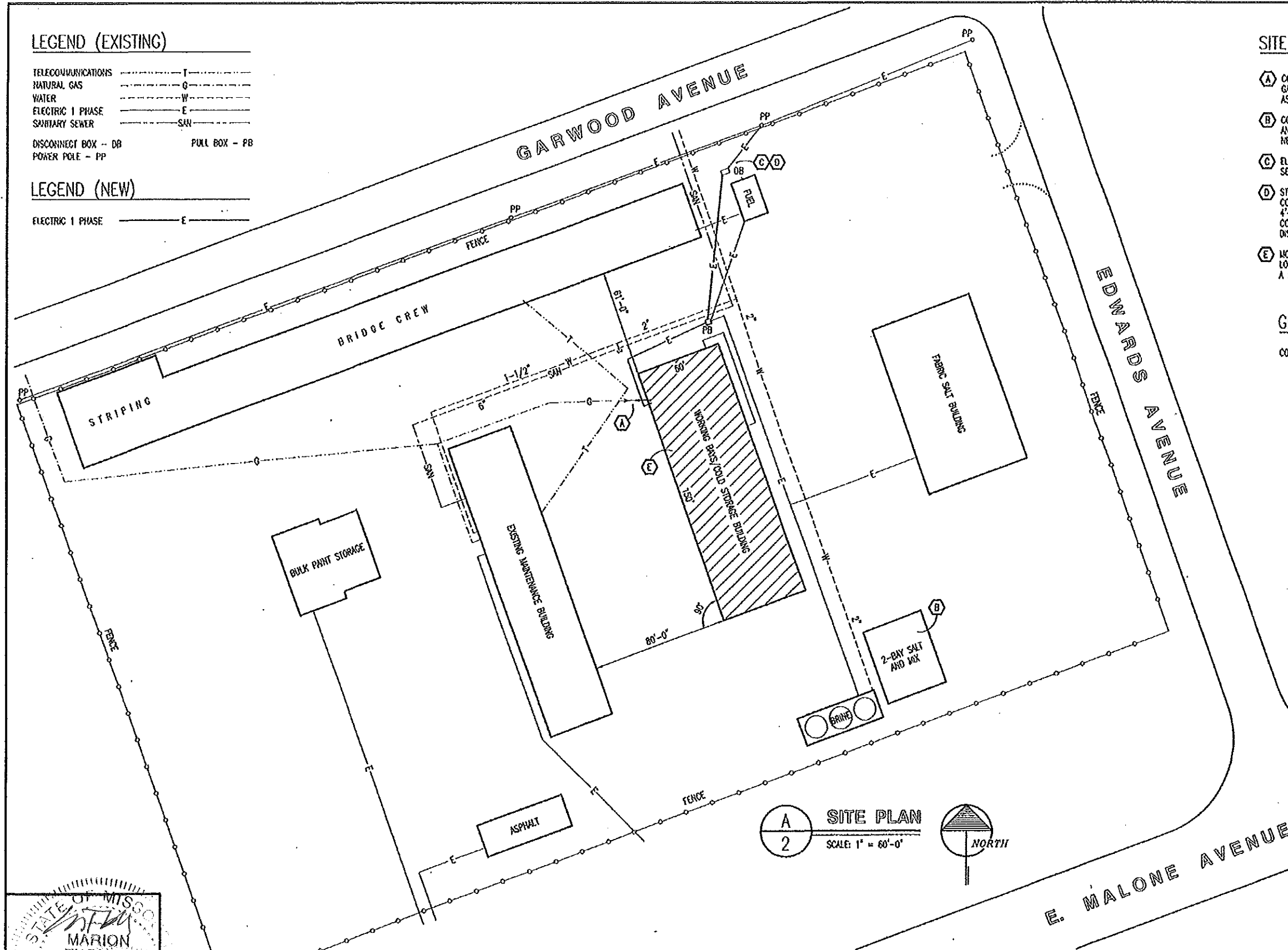
SITE NOTES

- CONTRACTOR TO MAKE CONNECTION TO THE CAPPED EXISTING NATURAL GAS LINE APPROXIMATELY 8'-0" WEST OF THE NEW BUILDING FOOTPRINT AS REQUIRED FOR A FUNCTIONAL SERVICE.
- CONTRACTOR USE ELECTRICAL SERVICE AT THE EXISTING 2-BAY SALT AND MIX FOR TEMPORARY SERVICE DURING CONSTRUCTION OF THE NEW BUILDING.
- ELECTRICAL CONTRACTOR TO BE AWARE THAT AN EXISTING ELECTRICAL SERVICE DISCONNECT LOCATED HERE IS TO BE USED FOR NEW BUILDING.
- STARTING AT NEW PANEL BOARD (LPA) PROVIDE CONDUCTORS IN NEW CONDUIT AS REQUIRED TO EXISTING PULL BOX (PB) THAT'S LOCATED 4'-0" OFF THE NORTHEAST CORNER OF NEW BUILDING. CONTINUE CONDUCTORS TO IN AN EXISTING 2" CONDUIT TO AN EXISTING 225A DISCONNECT BOX (DB) FOR AN OPERABLE SERVICE.
- MODOT TO REMOVE PART OF AN EXISTING 120' x 35' CONCRETE PAD LOCATED WITHIN THE FOOTPRINT OF NEW BUILDING AS REQUIRED FOR A PARTIAL CONCRETE FLOOR IN 102 COLD STORAGE.

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 AND SIDEWALK.
- FINISHED GRADE TO DRAIN AWAY FROM BUILDING.
- 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.

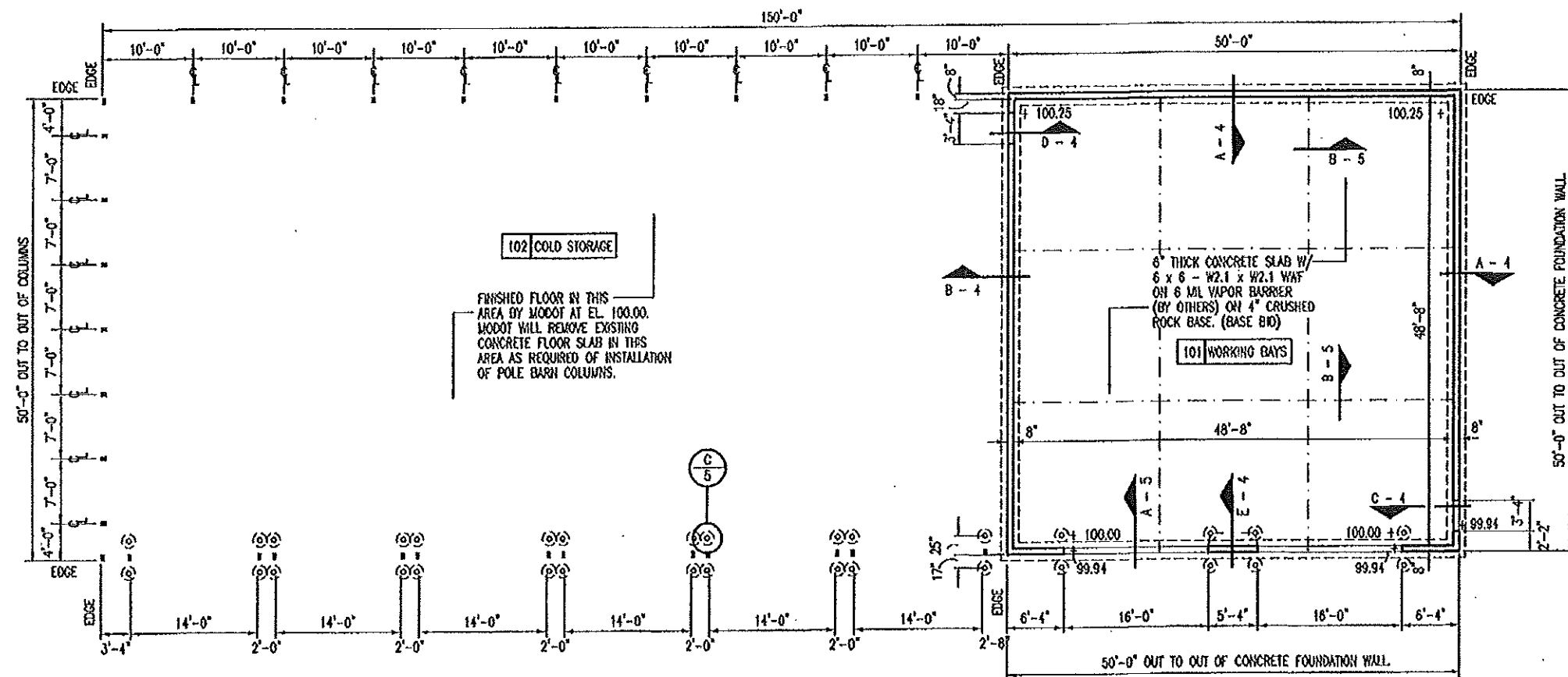


SITE PLAN

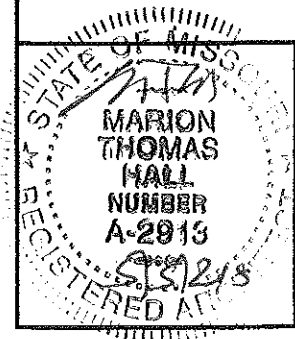
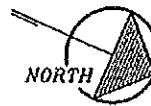
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SIKESTON
 Working Boys/Cold Storage Building
 111 Edwards Avenue, Sikeston, MO 63801
 Southeast District -- Scott County

DESIGN BY: LARRY CARVER
 DATE: 5-1-15
 Sheet
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A
3 **FOUNDATION PLAN**
SCALE: 1/16" = 1'-0"

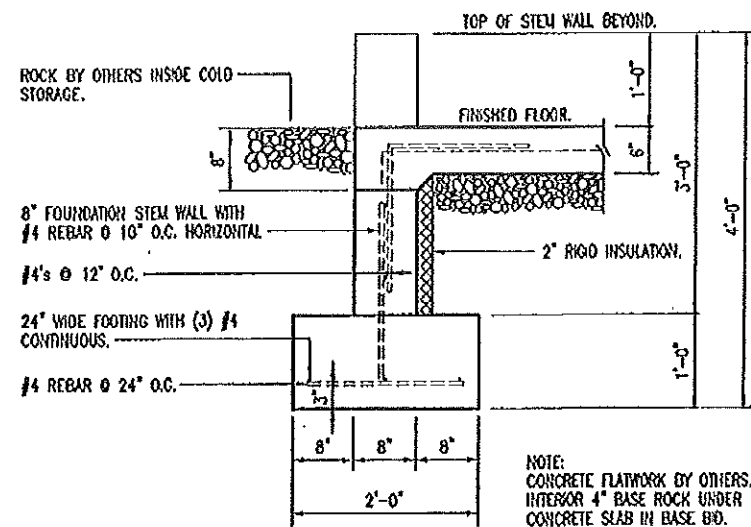


FOUNDATION PLAN

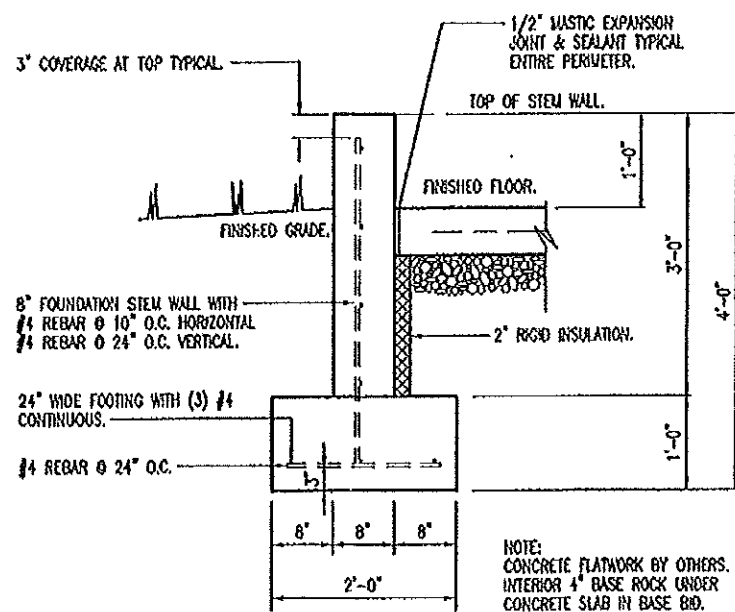
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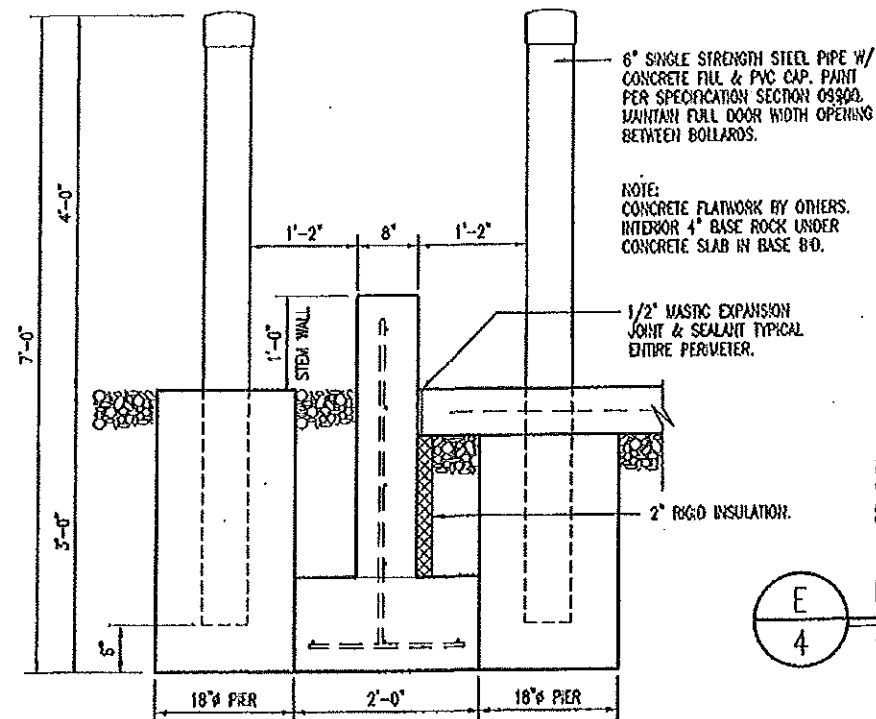
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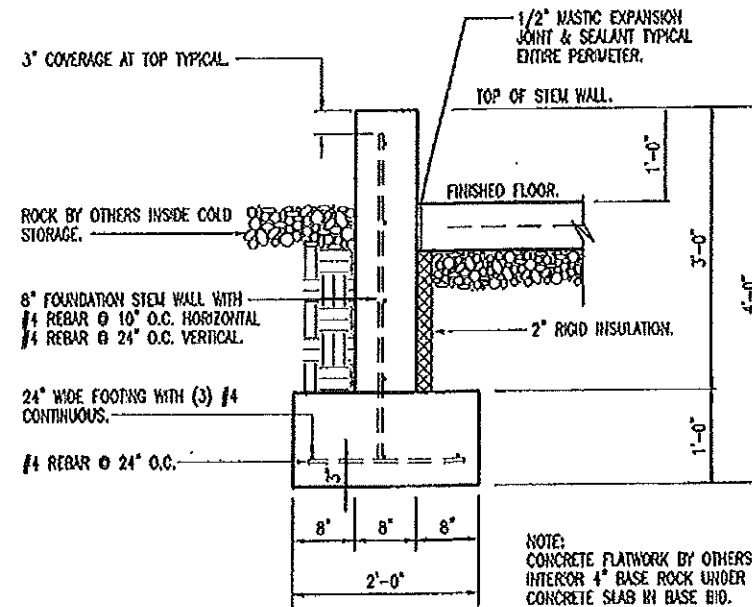
D
4
PASSAGE DOOR
EXTERIOR STEM WALL
SCALE: 1/2" = 1'-0"



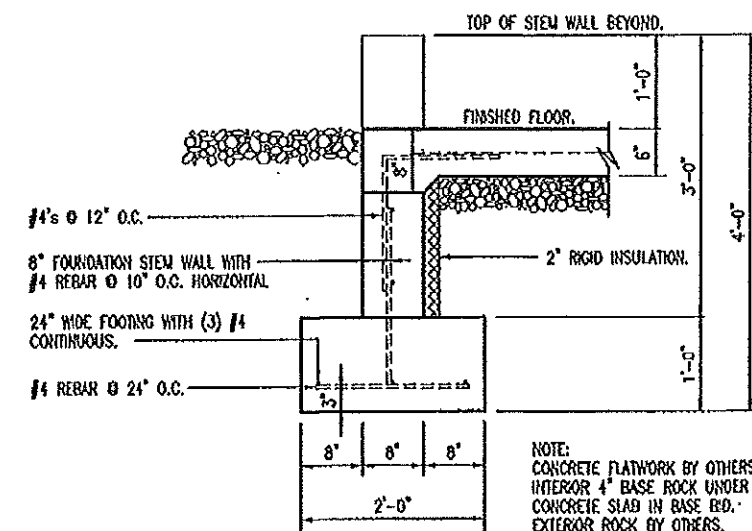
A
4
STEM WALL
SCALE: 1/2" = 1'-0"



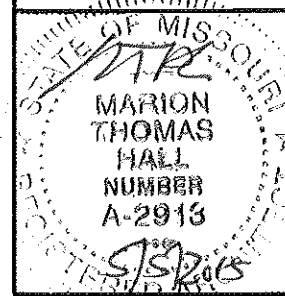
E
4
BOLLARD @ FOOTING DETAIL
SCALE: 1/2" = 1'-0"



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



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

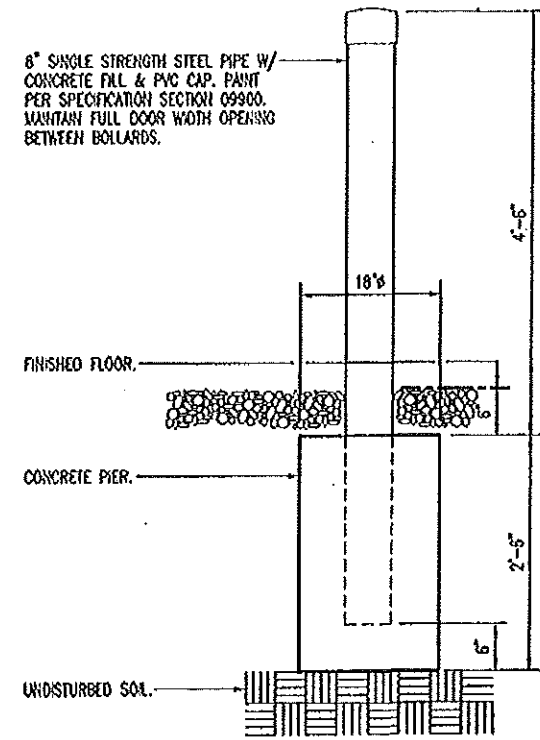


FOUNDATION DETAILS

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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

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Working Boys/Cold Storage Building
111 Edwards Avenue, Sikeston, MO 63801
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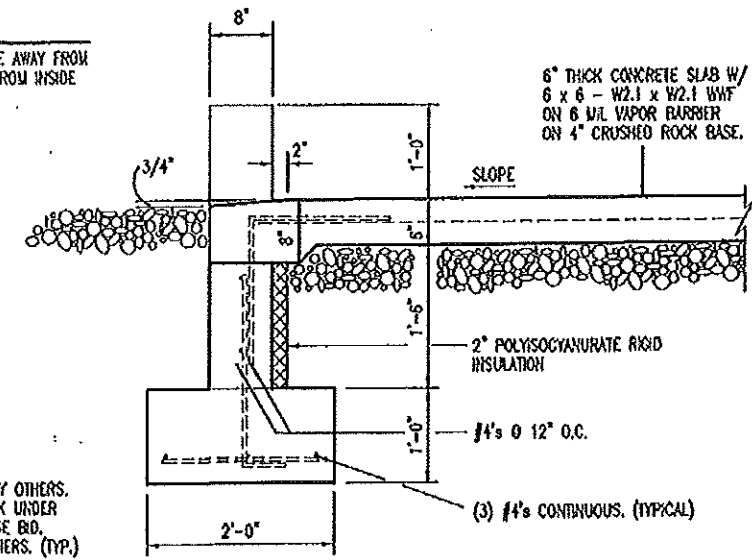
DESIGN BY: LARRY CARVER
DATE: 4-10-2013
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NOTE:
ALL BOLLARDS SUPPLIED & INSTALLED
BY GENERAL CONTRACTOR IN BASE BID.

COLD STORAGE - 24 TOTAL
BOLLARD ELEVATION
SCALE: 1/2" = 1'-0"

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



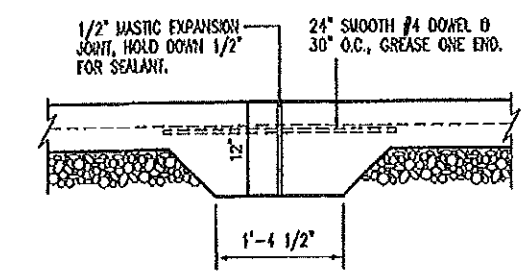
NOTE:
CONCRETE FLATWORK BY OTHERS.
INTERIOR 4" BASE ROCK UNDER
CONCRETE SLAB IN BASE BID.
EXTERIOR ROCK BY OTHERS. (TYP.)

A
5
APPROACH APRON
SCALE: 1/2" = 1'-0"

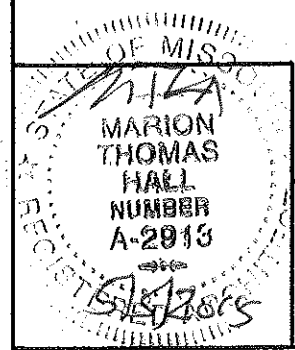
CONCRETE NOTES

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. (N.I.C.)
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" POLYSOCYANURATE 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 03346.
15. COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.

NOTE:
CONCRETE FLATWORK BY OTHERS.
INTERIOR 4" BASE ROCK UNDER
CONCRETE SLAB IN BASE BID.
EXTERIOR ROCK BY OTHERS. (TYP.)



(BY OTHERS)
B
5
EXPANSION JOINT
SCALE: 1/2" = 1'-0"

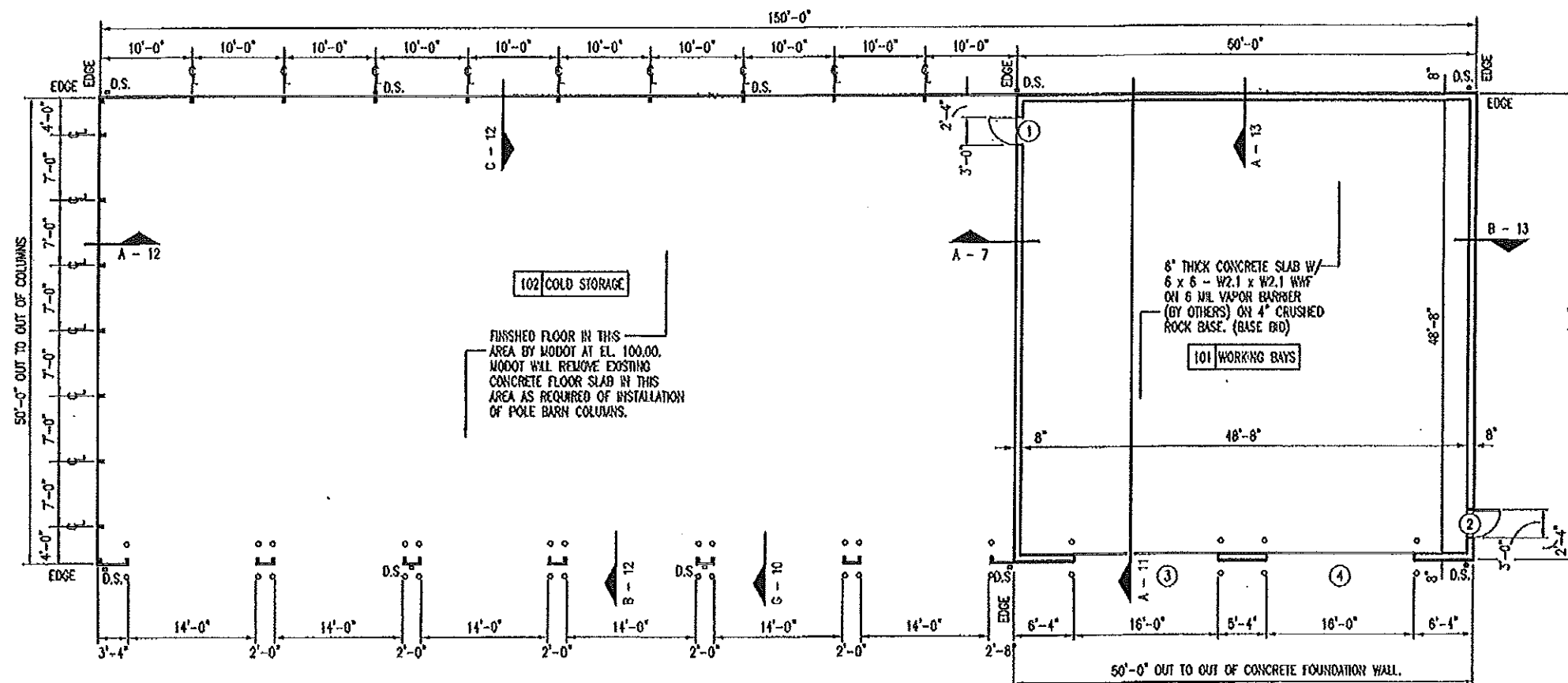


FOUNDATION DETAILS

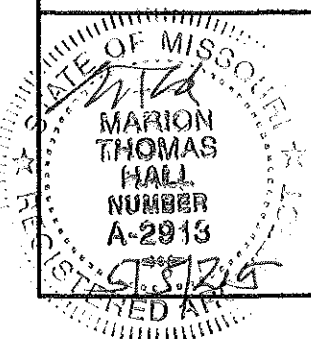
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

SIKESTON
Working Bays/Cold Storage Building
111 Edwards Avenue, Sikeston, MO 63801
Southeast District - Scott County

DESIGN BY: LARRY CASER
DATE: 4-10-2015
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A FLOOR PLAN
6 SCALE: 1/16" = 1'-0"



FLOOR PLAN

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DOOR SCHEDULE							
NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	DEPTH	HOAR. GRP.
1	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	D-10	6-1/2"	1
2	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	C-10	6-1/2"	1
3	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-
4	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-

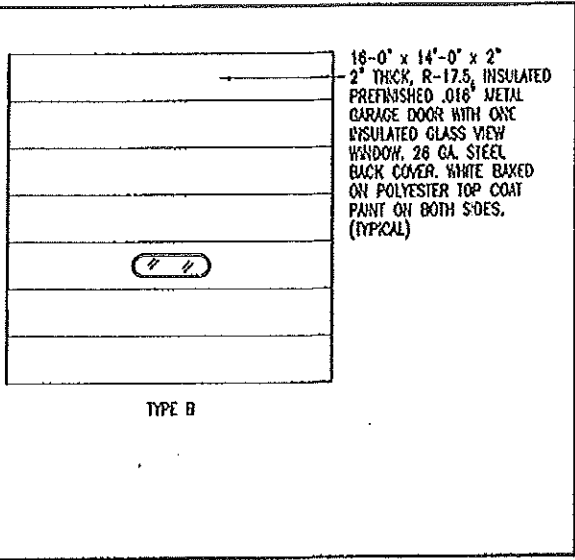
3'-0" x 7'-0" x 1-3/4"
INSULATED HOLLOW METAL
DOOR W/11" x 11" x 3/4"
INSUL. TEMPERED GLASS.
REINFORCED FOR CLOSER.
TOP FILLER PLATE.

TYPE A

3'-0" x 7'-0" x 1-3/4"
INSULATED HOLLOW METAL
DOOR W/11" x 11" x 3/4"
INSUL. TEMPERED GLASS.
REINFORCED FOR CLOSER.
TOP FILLER PLATE.

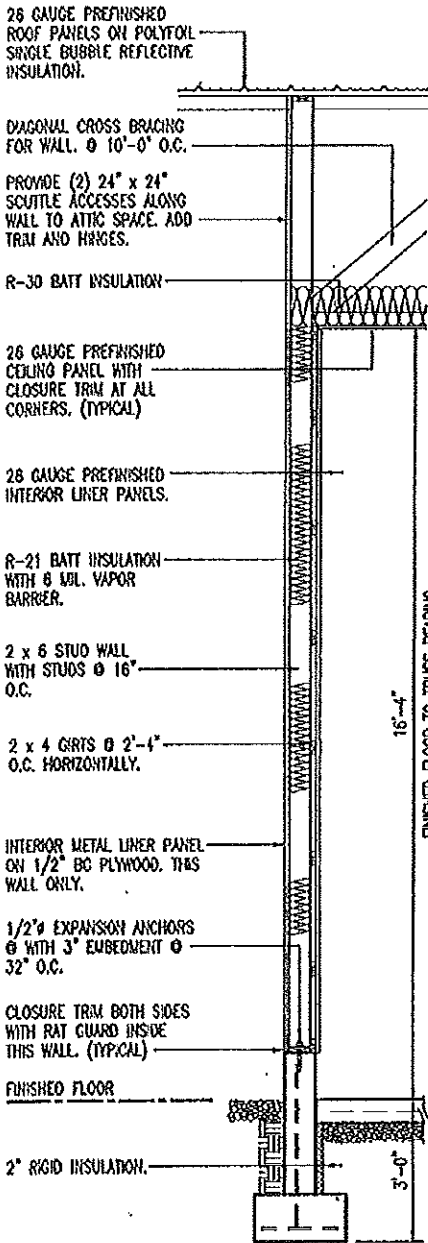
TYPE I

16 GA. WELDED
H.M. FRAME
PAINTED.



FINISH SCHEDULE						
NO.	ROOM	FLOOR	WALLS	BASE	CEILING	
		CURE AND SEALER ON CONCRETE BY OTHERS.	6" COMPACTED TYPE S ROCK BY OTHERS.	26 GA. INTERIOR PANELS	26 GA. INTERIOR PANELS SOUTH WALL	NONE
101	WORKING BAYS	•	•	•	•	•
102	COLD STORAGE	•	•	•	•	•

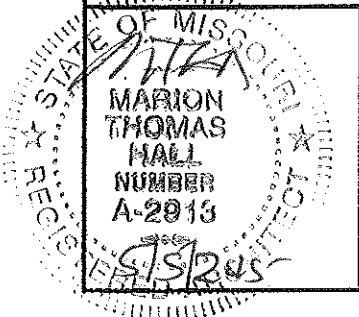
HVAC SCHEDULE						
SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
(A)	36" x 36" SHUTTER MOUNT EXHAUST FAN WITH WEATHERHOOD	DAYTON HILDS & 1WBW2 OR EQUAL 6.4 AMPS	6,480 CFM	ELECTRIC	115	COMMERCIAL TYPE BELT DRIVE WALL EXHAUST FAN INCLUDING OSHA GUARD AND SHUTTER.
(B)	MOTORIZED DAMPER WITH WEATHERHOOD	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)	GAS FIRED UNIT HEATER	REZNOR MODEL UDAP 225 OR EQUAL	188,750	NATURAL GAS	115	TWO STAGE, SINGLE BURNER COMBUSTION, DIRECT SPARK IGNITION, 100% LOCK-OUT & CL-1 STANDARD HEATING ONLY THERMOSTAT.



GENERAL NOTES:

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

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



SCHEDULES

MISSOURI DEPARTMENT
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FACILITIES MANAGEMENT

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26 GAUGE PREFINISHED
ROOF PANELS ON POLYFOIL
SINGLE BUBBLE REFLECTIVE
INSULATION.

EXHAUST FAN WITH LOUVER,
BUG SCREEN, OSHA GUARD
AND WEATHERHOOD.

PREFINISHED ALUMINUM
DOWNSPOUTS & CUTTERS.

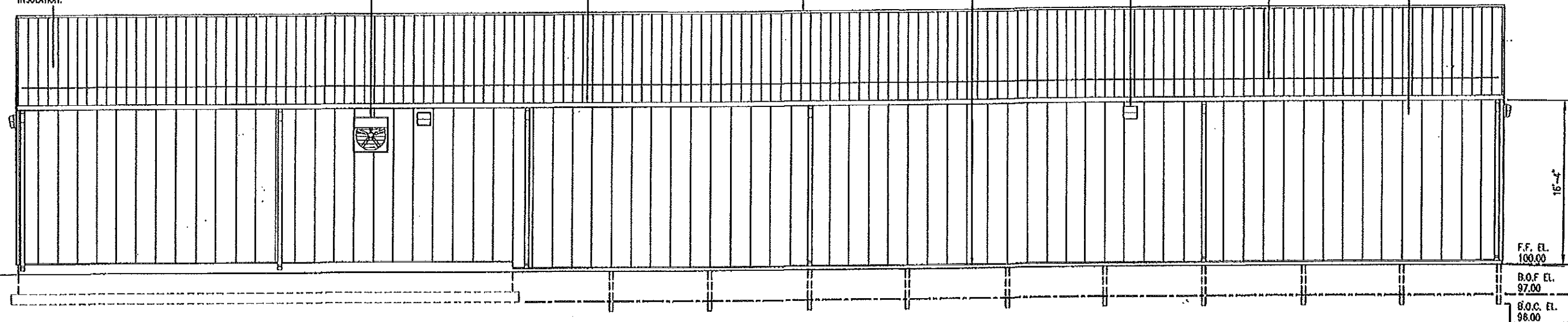
CONTINUOUS VENTED RIDGE CAP.

CLOSURE TRIM WITH RAT
GUARD. (TYPICAL)

PHOTOELECTRIC CONTROLLED
LIGHTING FIXTURES.

PROVIDE CONTINUOUS SNOWGUARDS
BOTH SIDES OF BUILDING.

26 GAUGE PREFINISHED
EXTERIOR WALL PANELS.



B
8
WEST ELEVATION
SCALE: 3/32" = 1'-0"

26 GAUGE PREFINISHED
ROOF PANELS ON POLYFOIL
SINGLE BUBBLE REFLECTIVE
INSULATION.

CONTINUOUS VENTED RIDGE CAP.

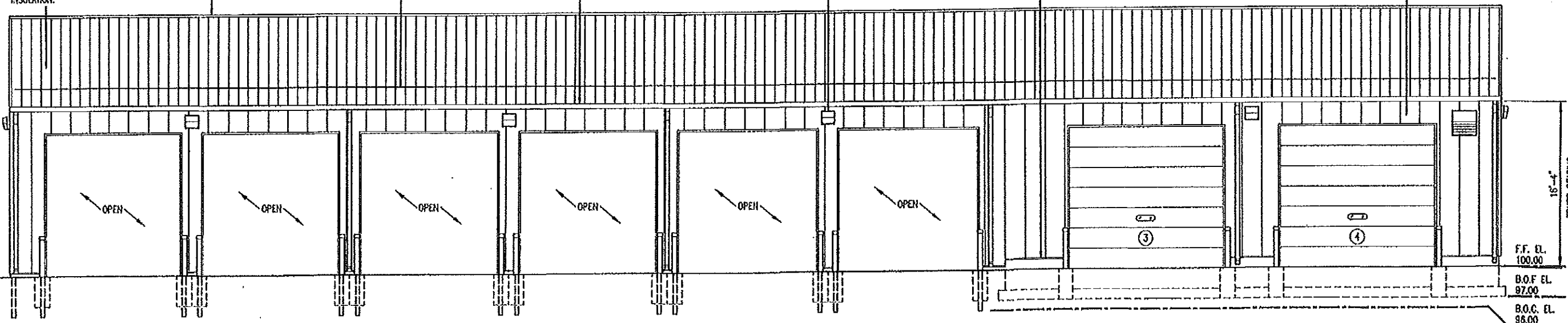
PROVIDE CONTINUOUS SNOWGUARDS
BOTH SIDES OF BUILDING.

PREFINISHED ALUMINUM
DOWNSPOUTS & CUTTERS.

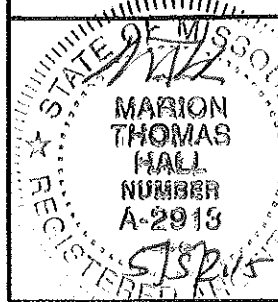
PHOTOELECTRIC CONTROLLED
LIGHTING FIXTURES.

CLOSURE TRIM WITH RAT
GUARD. (TYPICAL)

26 GAUGE PREFINISHED
EXTERIOR WALL PANELS.



A
8
EAST ELEVATION
SCALE: 3/32" = 1'-0"



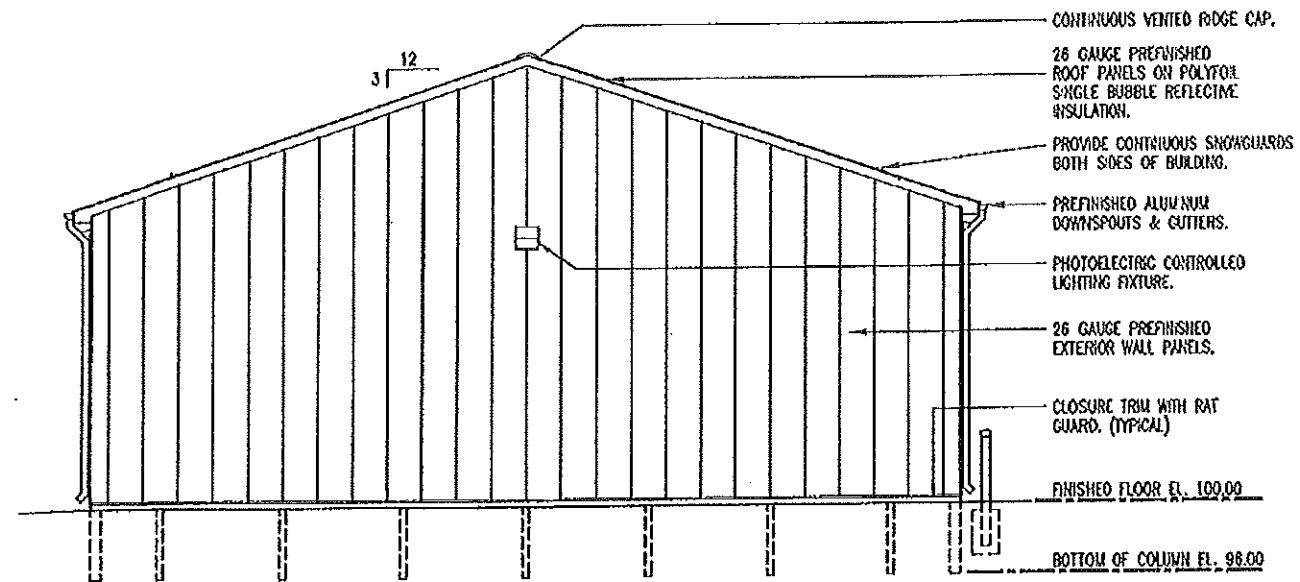
EAST & WEST ELEVATIONS

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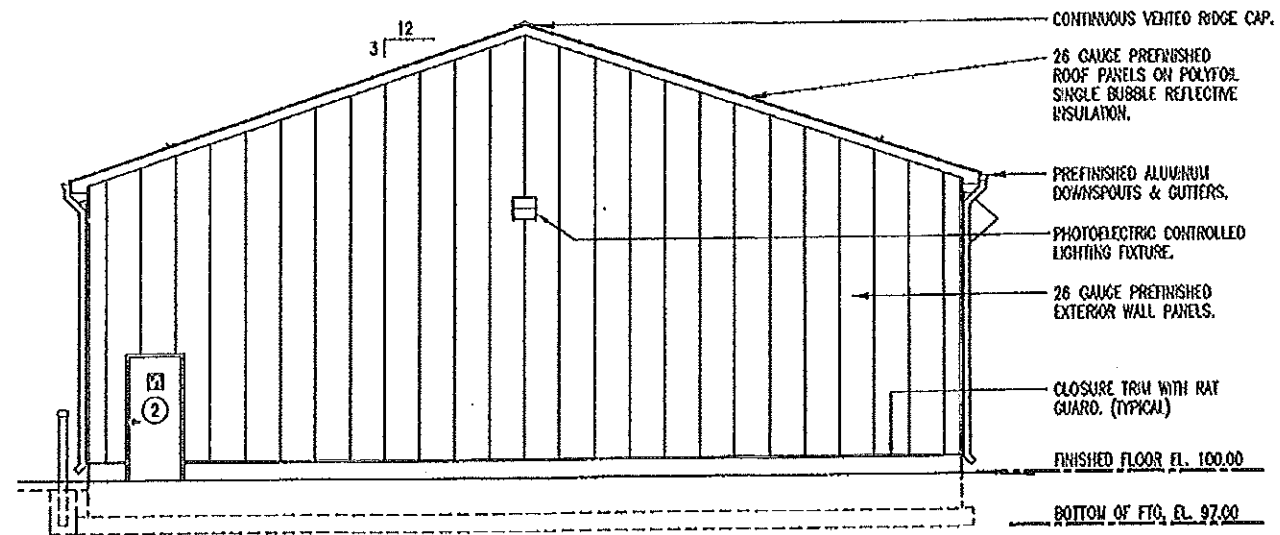
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DATE: 4-10-2015

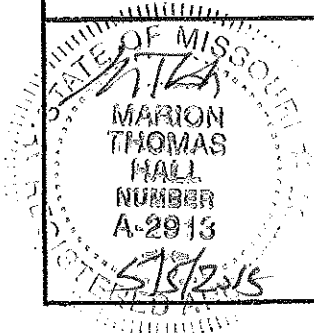
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B
9
SOUTH ELEVATION
SCALE: 3/32" = 1'-0"



A
9
NORTH ELEVATION
SCALE: 3/32" = 1'-0"

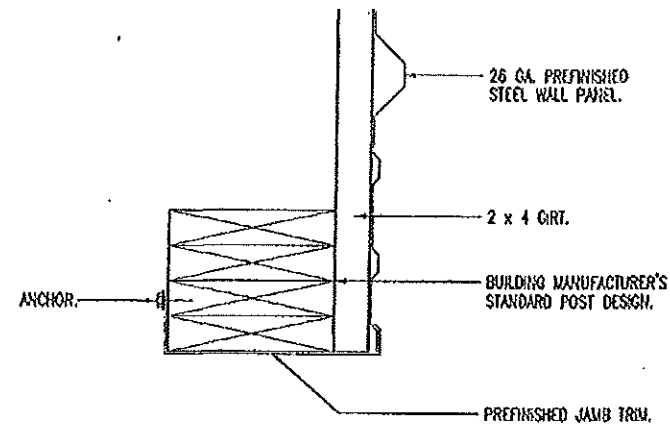


NORTH & SOUTH ELEVATIONS

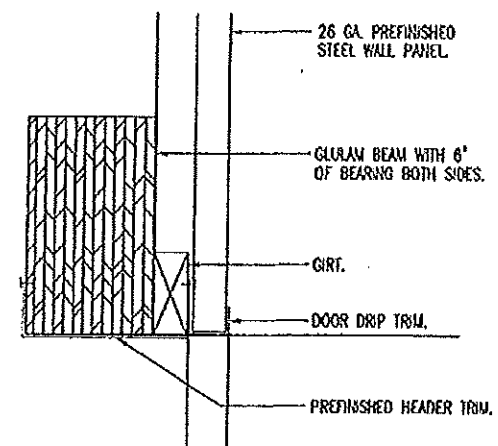
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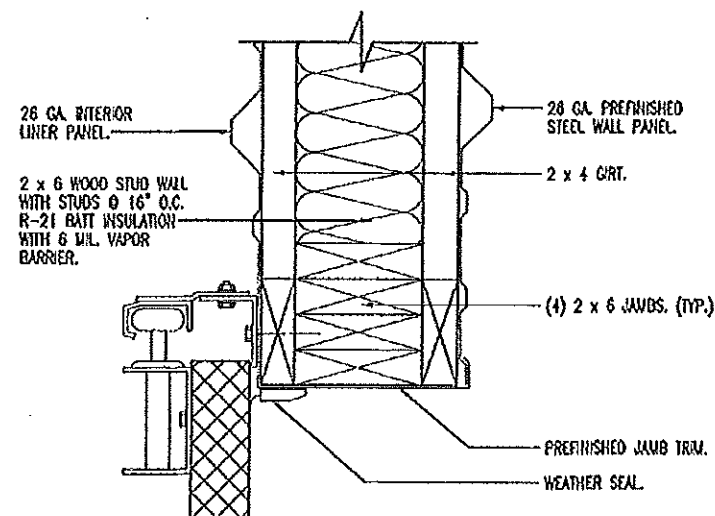
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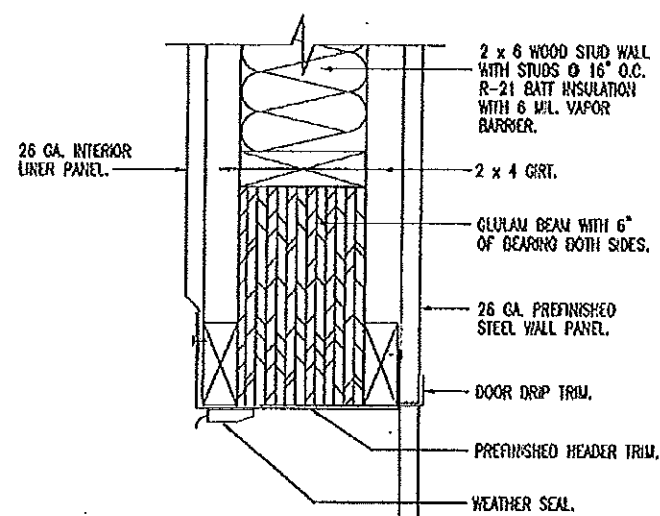
F
10
GARAGE DOOR JAMB
SCALE: 1-1/2" = 1'-0"



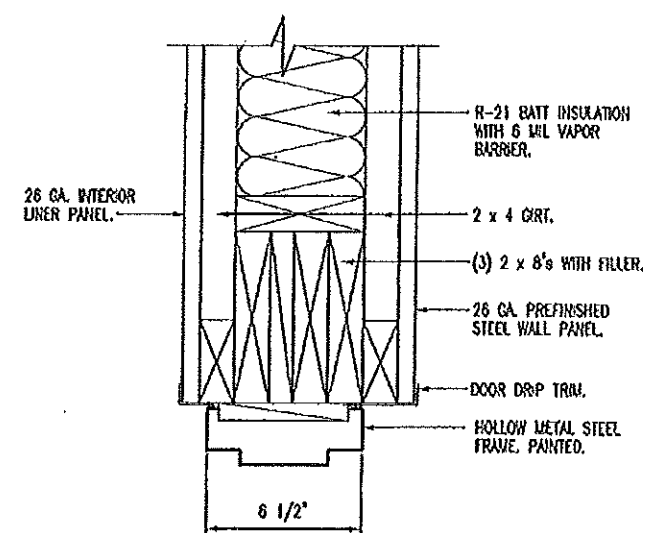
G
10
GARAGE DOOR HEAD
SCALE: 1-1/2" = 1'-0"



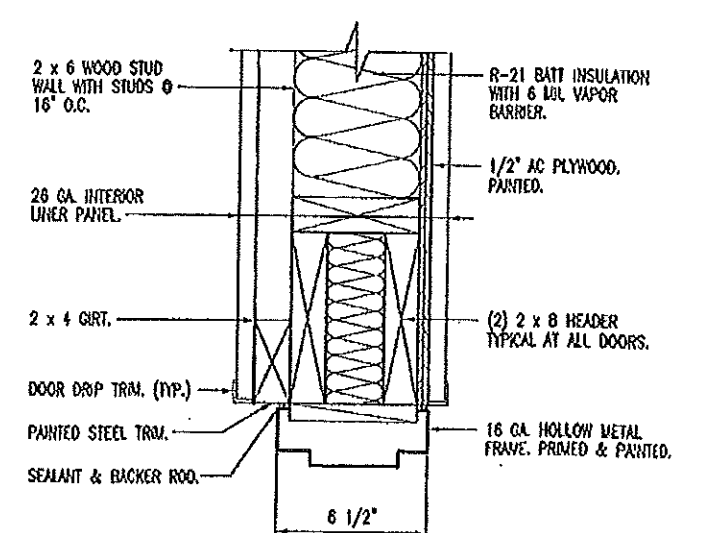
A
10
GARAGE DOOR JAMB
SCALE: 1-1/2" = 1'-0"



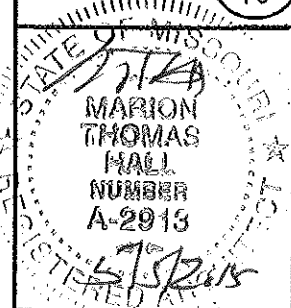
B
10
GARAGE DOOR HEAD
SCALE: 1-1/2" = 1'-0"



C
10
DOOR HEADER/JAMB
SCALE: 1-1/2" = 1'-0"



D
10
DOOR HEADER/JAMB
SCALE: 1-1/2" = 1'-0"

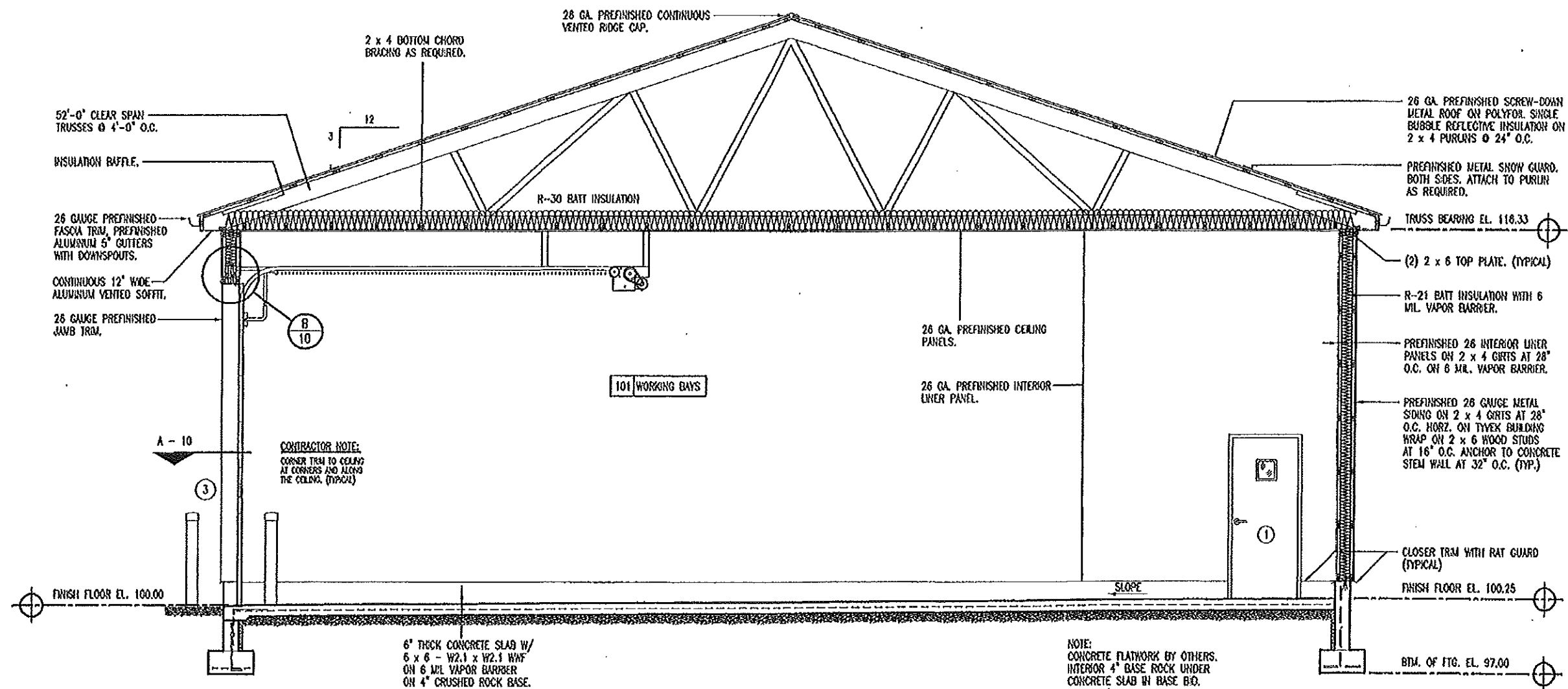


HEAD & JAMB DETAILS

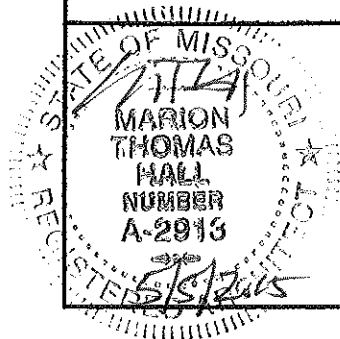
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A 11 BUILDING SECTION
SCALE: 3/16" = 1'-0"

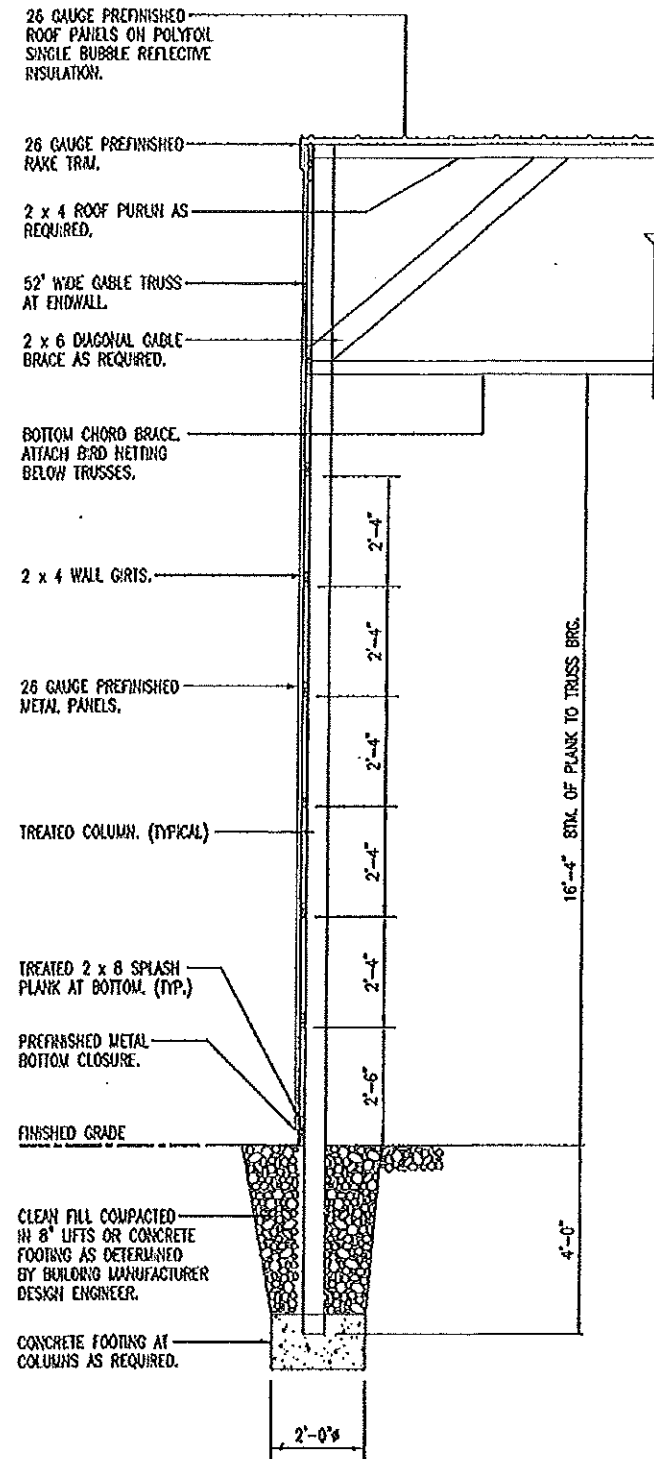


BUILDING SECTION

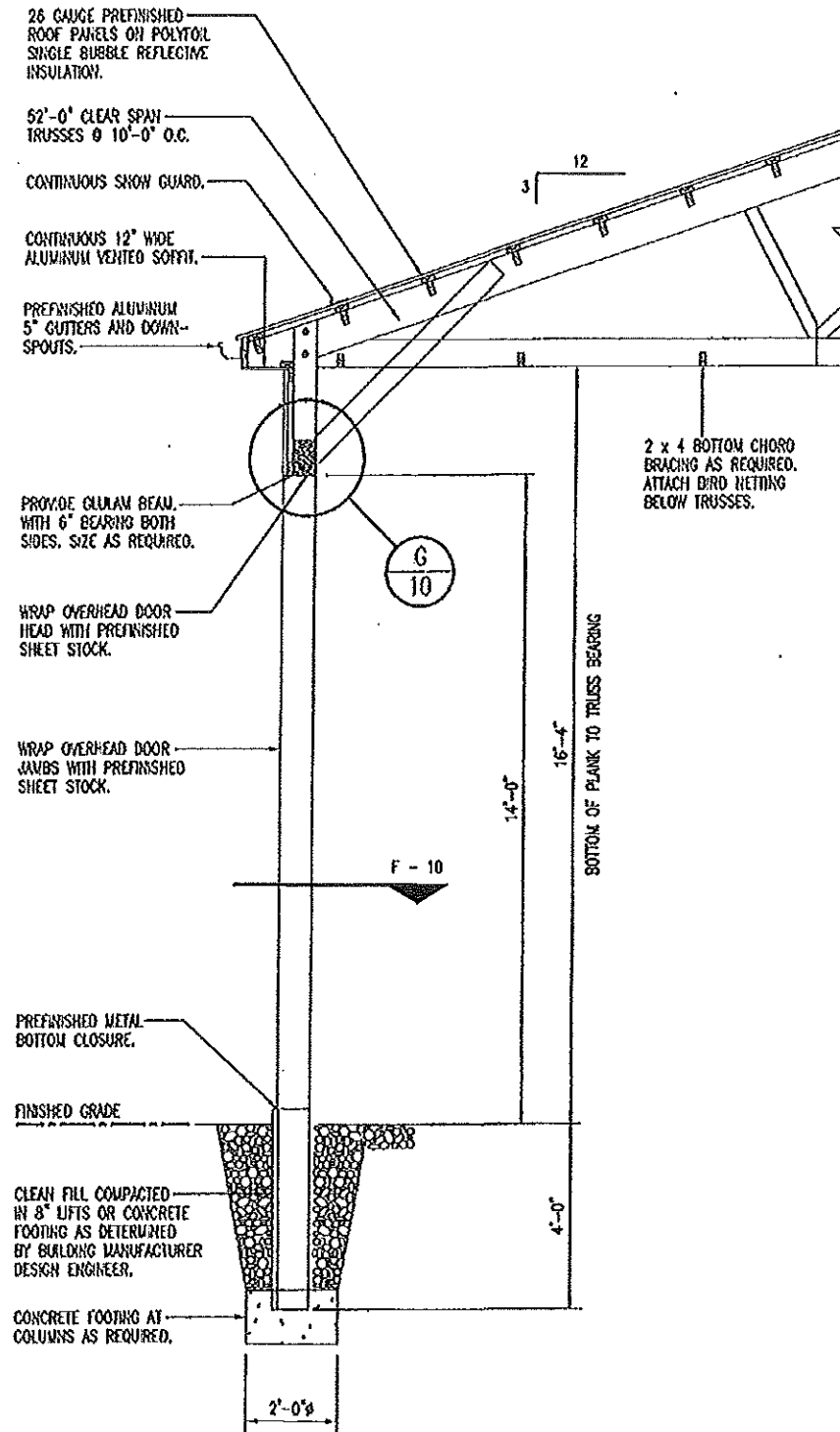
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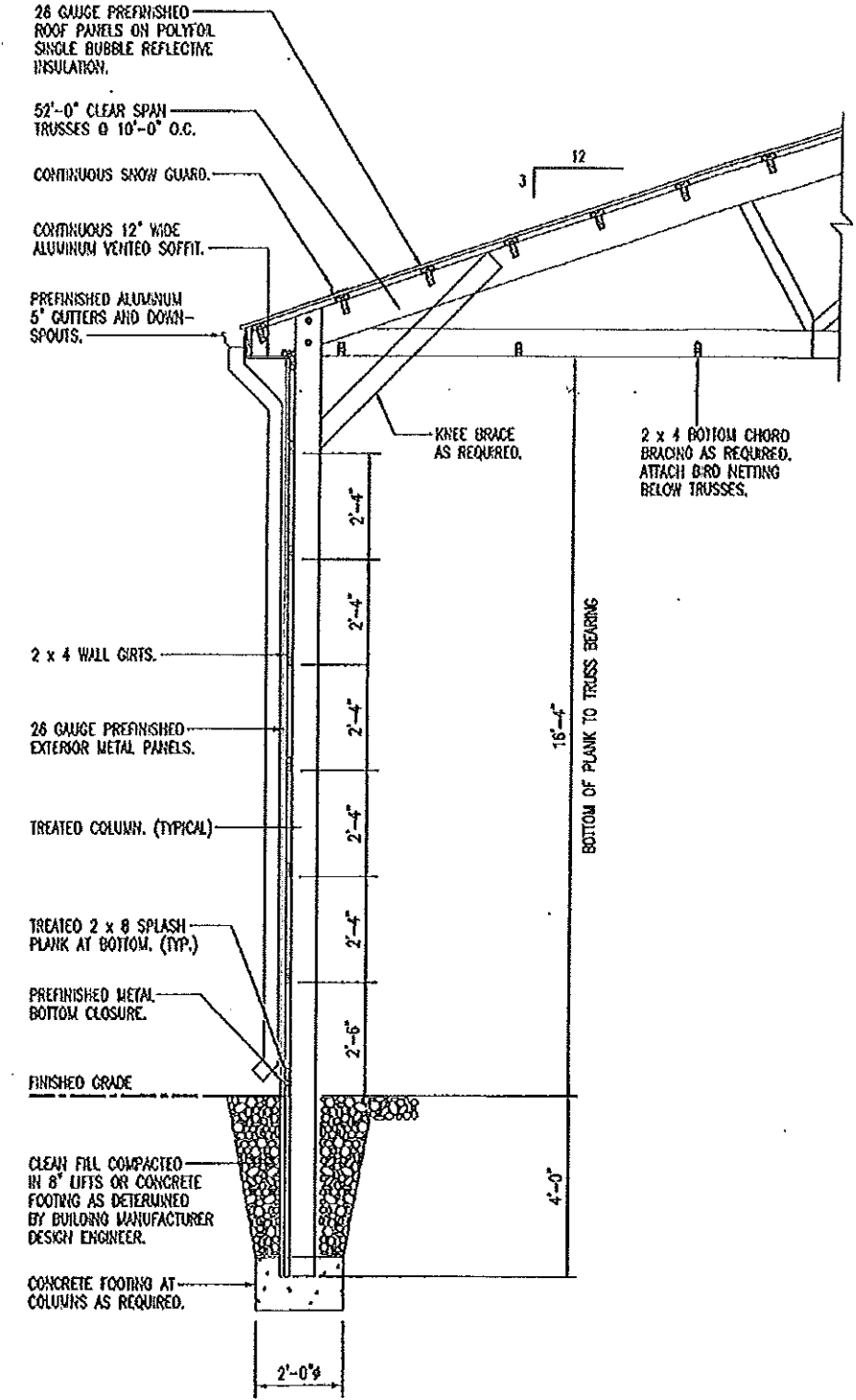
DESIGN BY: LARRY CARYER
DATE: 4-10-2015
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A
12 **ENDWALL SECTION**
SCALE: 1/4" = 1'-0"



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



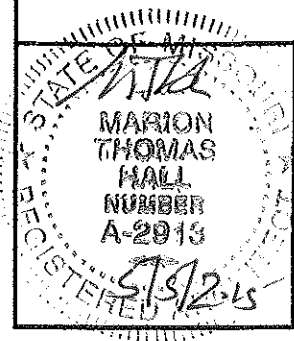
C
12 **SIDEWALL SECTION**
SCALE: 1/4" = 1'-0"

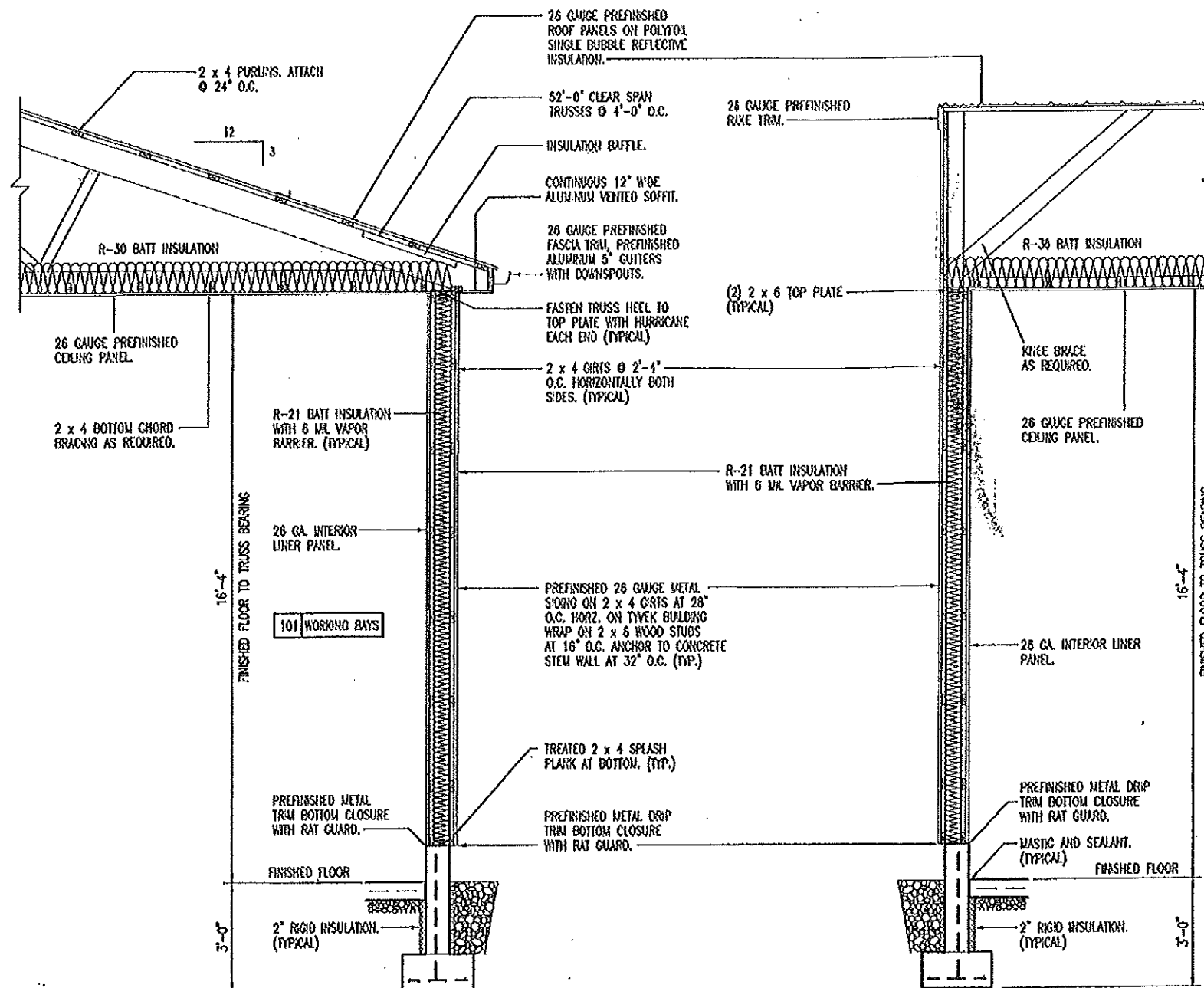
WALL SECTIONS

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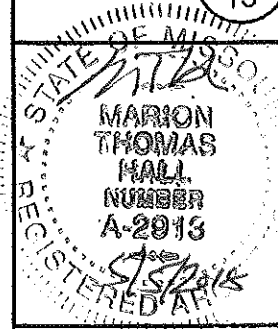
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A SIDEWALL SECTION
13 SCALE: 1/4" = 1'-0"

B ENDWALL SECTION
13 SCALE: 1/4" = 1'-0"



WALL SECTIONS

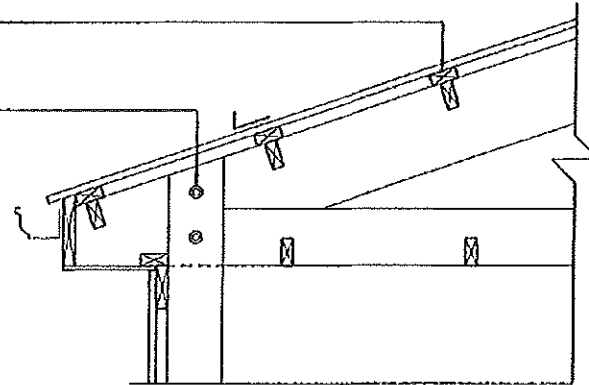
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HORIZONTAL 2 x 4 PURLINS ATTACH @ 24" O.C. OVER VERTICAL PURLINS WITH SIMPSON STRONG-TIE LUS24Z. (TYPICAL)

TRUSS SECURED IN COLUMN POCKET WITH (2) 1/2" x 5-1/2" X BOLTS & (8) 16d NAILS. TRUSS SITS IN CENTER OF (3) LAMINATED 2 x 6's. (8) 16d NAILS. TYPICAL AT BOTH ENDS OF TRUSS.



B
14
TRUSS TYPICAL AT COLD STORAGE.
TRUSS POCKET
SCALE: 1/2" = 1'-0"

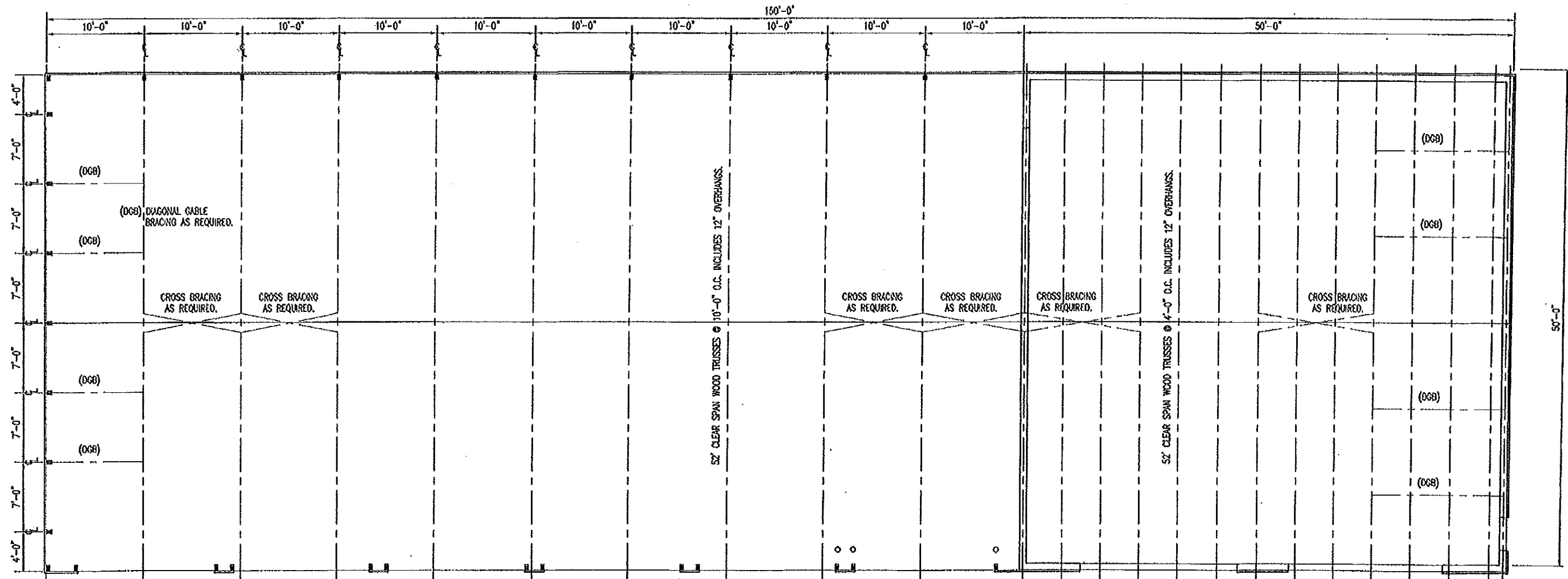
ROOF FRAMING NOTES

1. DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

ROOF LIVE LOAD 25 PSF
ROOF DEAD LOAD 4 PSF
BOTTOM CHORD DEAD LOAD 5 PSF
EARTHQUAKE ZONE 1, LATEST EDITION IBC
WIND 90 MPH, EXPOSURE B
DEFLECTION L/360
SPACING 48" & 10'-0" O.C. SEE FRAMING PLAN.

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

3. ROOF TRUSSES AND RAFTERS OVER WORKING BAY AREA SHALL BE ANCHORED TO THE TOP PLATE OF LOAD BEARING WALLS WITH SEISMIC AND HURRICANE ANCHORS EQUAL TO SIMPSON STRONG-TIE H2.5A ANCHORS.



NOTE:
INSTALL BIRD NETTING TO BOTTOM OF THE TRUSSES IN UNFINISHED SPACE IN 102 COLD STORAGE.

SEE HEAD & JAMB DETAILS OF WINDOW AND DOOR HEADERS.

A
14
ROOF FRAMING PLAN
SCALE: 3/32" = 1'-0"



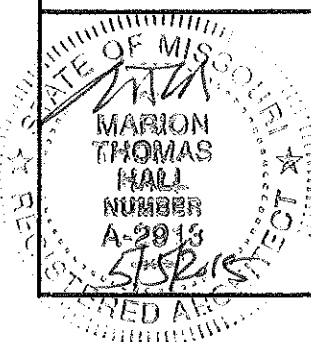
ROOF FRAMING PLAN

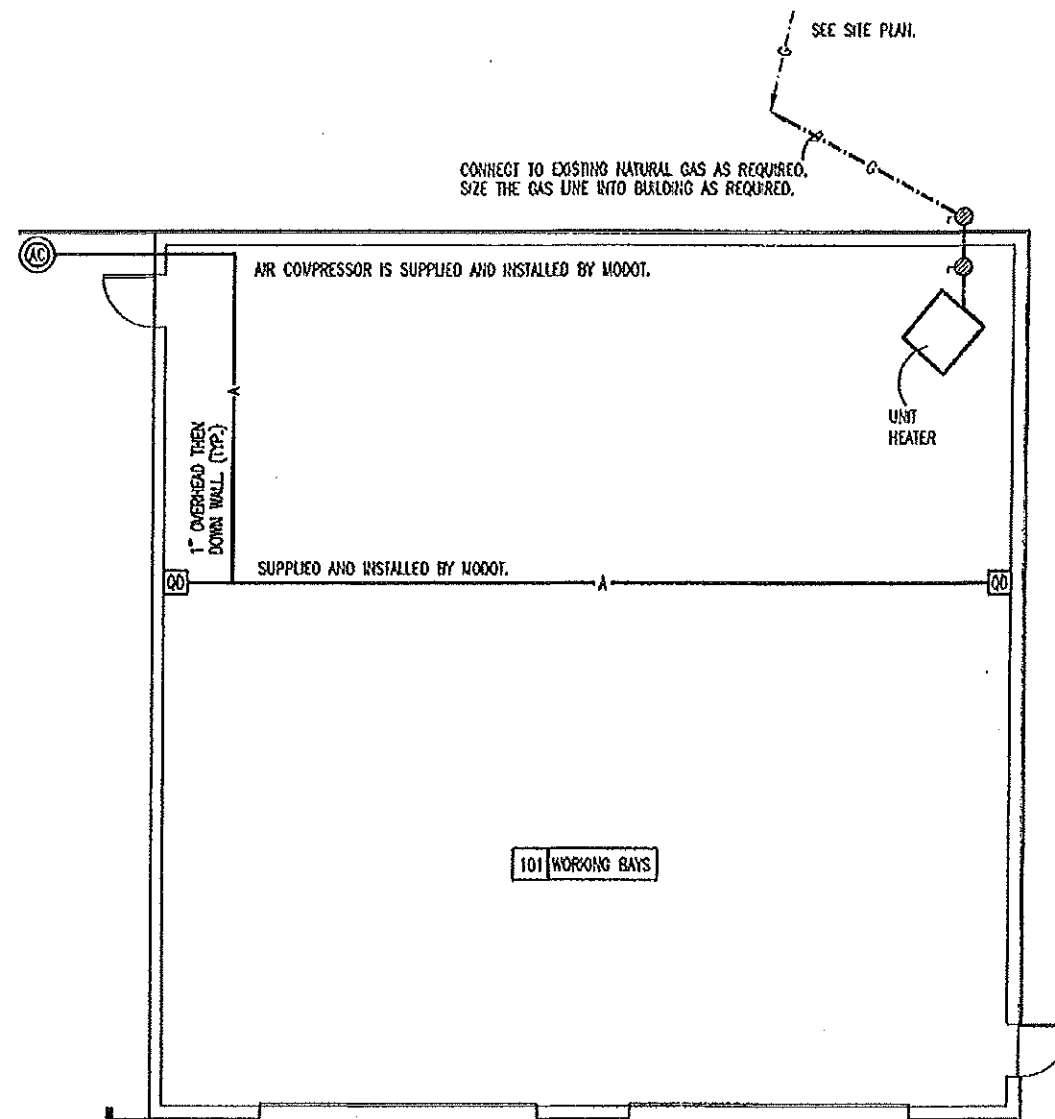
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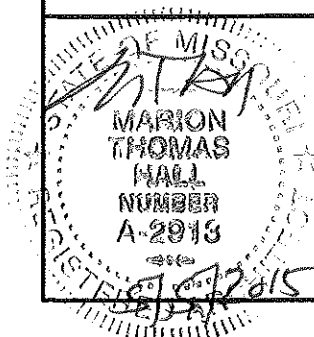


SEE SHEET 17 FOR PLUMBING
SCHEDULE & NOTES.

LEGEND

GAS 
GAS VALVE 

A
15 **PLUMBING PLAN**
SCALE: 3/32" = 1'-0"

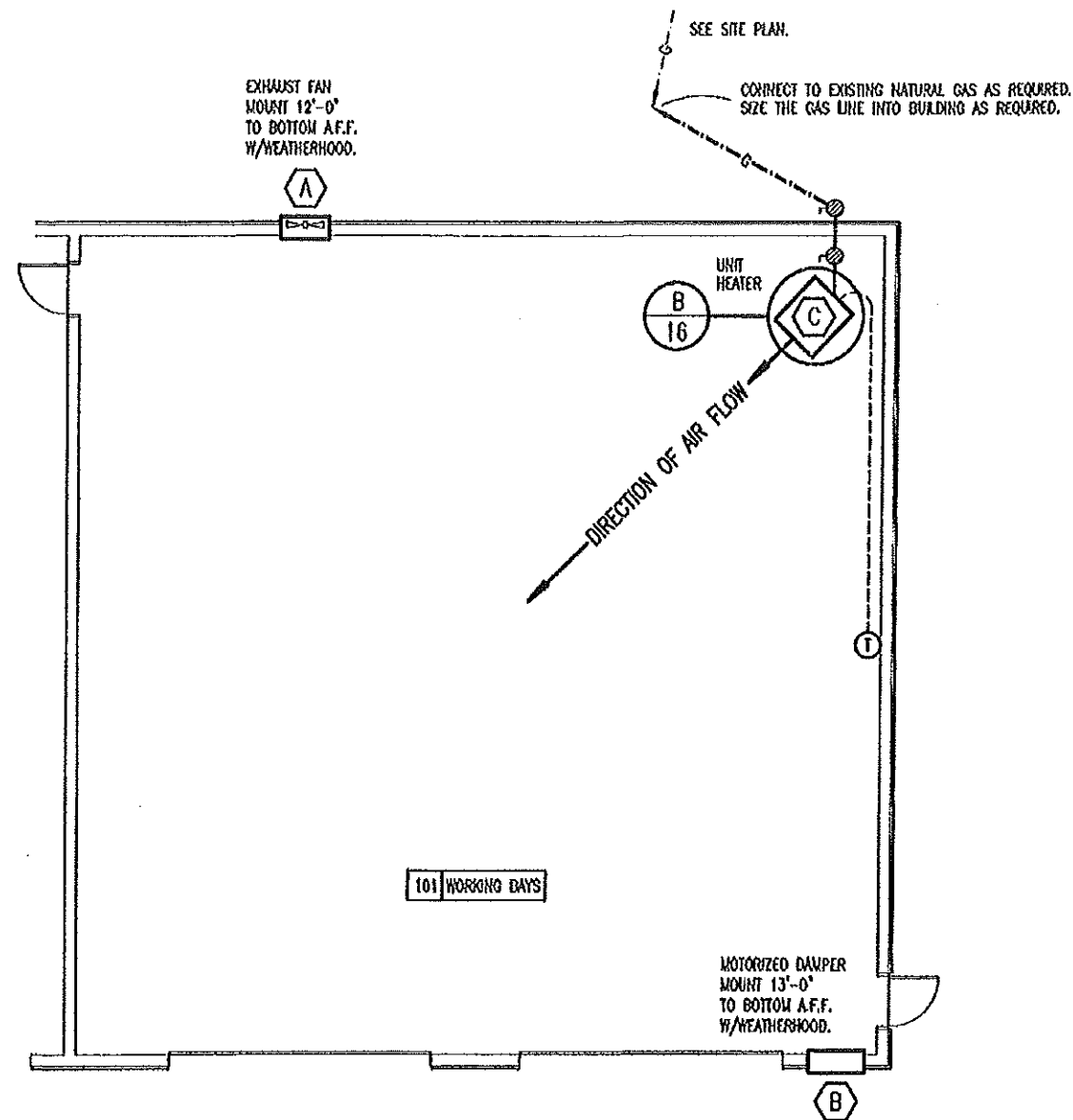


PLUMBING PLAN

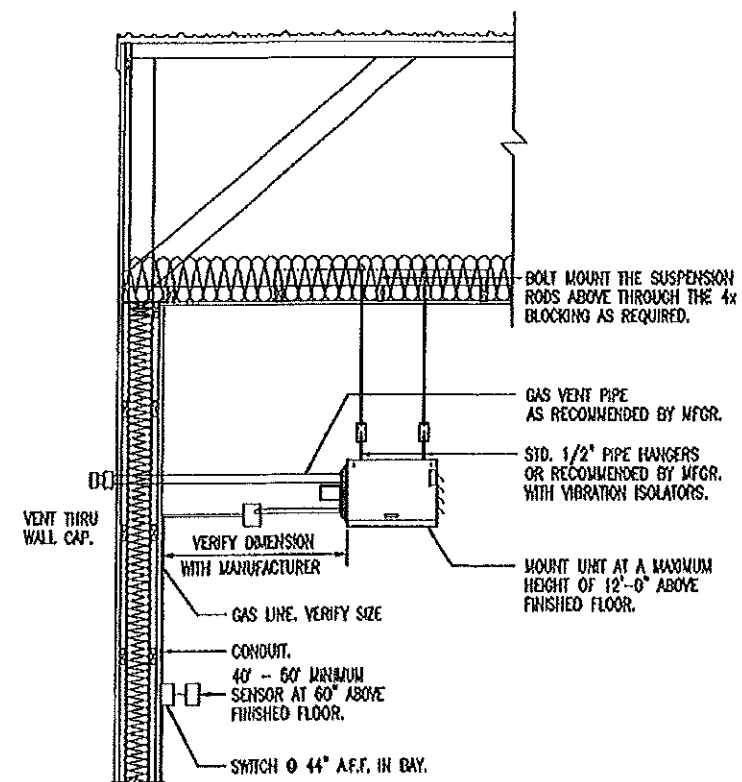
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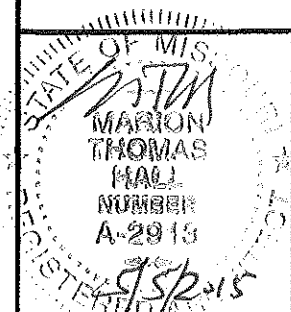
A
16 **MECHANICAL PLAN**
SCALE: 3/32" = 1'-0"



B
16 **UNIT HEATER INSTALLATION**
NOT TO SCALE

SEE SHEET 17 FOR THE MECHANICAL NOTES.

SEE SHEET 7 FOR HVAC FIXTURE SCHEDULE.



MECHANICAL PLAN

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PLUMBING SCHEDULE						
SYM.	FIXTURE	PIPE CONNECTION				REMARKS
		CW	HW	S&W	VENT	
QD	QUICK DISCONNECT					SUPPLIED AND INSTALLED BY MODOT. INCLUDES THE IRON PIPE TO THEM.
AC	AIR COMPRESSOR					SUPPLIED AND INSTALLED BY MODOT.

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.

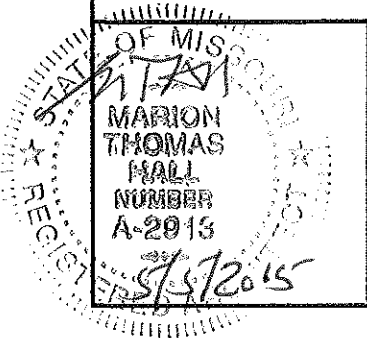
PLUMBING NOTES

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. PROVIDE PLUMBING EQUIPMENT AND ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
4. SEE MECHANICAL PLAN FOR GAS PIPING AND MECHANICAL REQUIREMENTS.



PLUMBING & MECHANICAL NOTES

SCALE: NONE

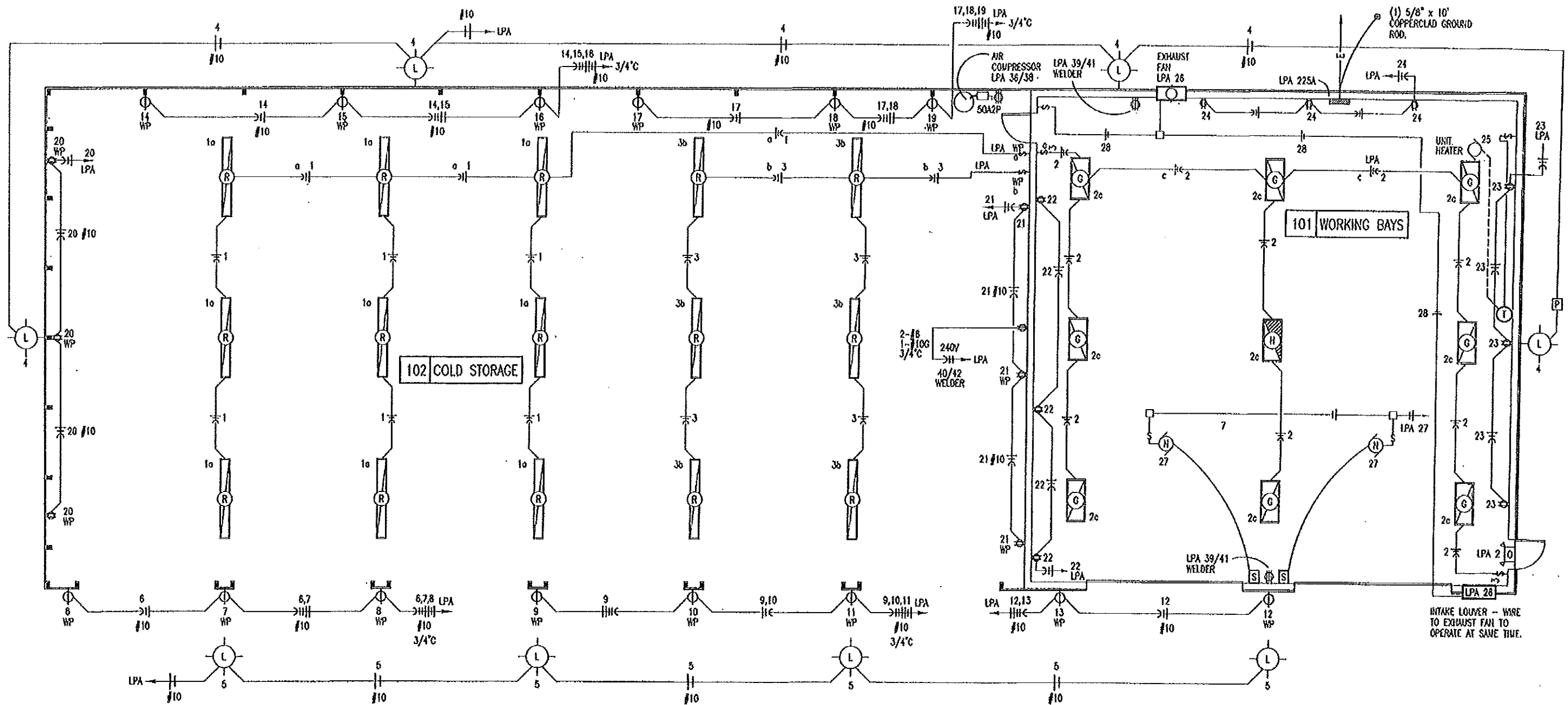


Plumbing & Mechanical Notes

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A
18
ELECTRICAL PLAN
SCALE: 3/32" = 1'-0"



SEE ELECTRICAL SCHEDULE,
LEGEND & NOTES SHEET 19.

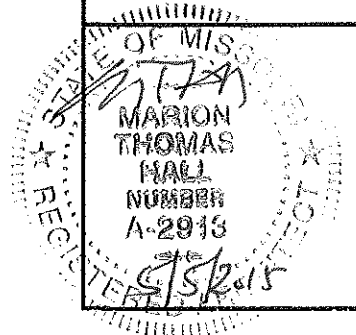
ELECTRICAL PLAN

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ELECTRIC SCHEDULE					
MANUF.	MODEL	LAMPS TYPE	W	VOLTS	REMARKS
WILLIAMS 	GL-4-L200/840-WG11-DRY-UNV	LED	174	CLG	14-3/16" x 48" DIE-FORMED ALUMINUM HOUSING WITH WIRE GUARD.
WILLIAMS 	GL-4-L200/840-EU/BSL310-WG11-DRY-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.
	OVERHEAD DOOR OPERATOR			WALL	115V, 1-PH, TROLLEY TYPE. SEE SPECIFICATION SECTION 08720.
LITHONIA 	LHOM P W3 R H			WALL	QUANTUM THERMOPLASTIC EXT/UNIT COMBO (2) LED 5.4 KRYPTON LAMPS.
TORK 	2001			WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.
WILLIAMS 	GLN-8-L210/8400-WG11-DRY-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.
ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.					

LEGEND

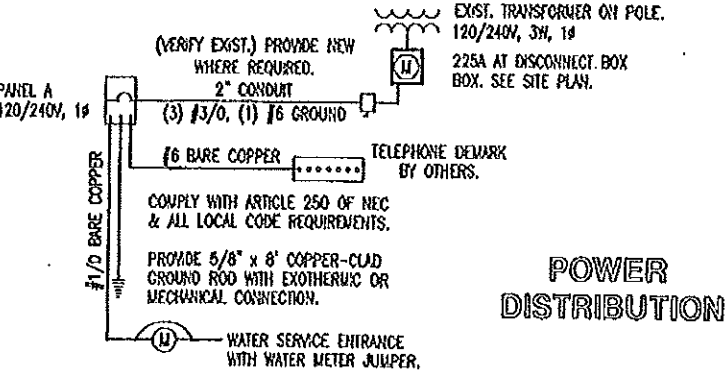
- ⌀ WP SINGLE POLE OR 3-WAY SWITCH, MOUNT IN FS BOX WITH HUBBELL HBL7420 COVER.
- ⌀ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.
- ⌀ WP SINGLE RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL7423 COVER.
- ⌀ SINGLE POLE SWITCH, FLUSH MOUNTED IN FINISHED AREAS @ 48" A.F.F.
- ⌀ 3-WAY SWITCH, SURFACE MOUNTED IN UNFINISHED AREAS @ 48" A.F.F.
- ⌀ DUPLEX RECEPTACLE FLUSH MOUNTED IN FINISHED AREAS @ 18" A.F.F. TO BOTTOM OF OUTLET.
- ⌀ DUPLEX RECEPTACLE SURFACE MOUNTED IN UNFINISHED AREAS @ 42" A.F.F.
- ⌀ WELDER RECEPTACLE SURFACE MOUNTED 42" A.F.F., MOUNT IN 4" SQUARE BOX WITH RAISED COVER.
- ⌀ NO FUSED DISCONNECT SWITCH.
- ⌀ 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.
- #12 COPPER NEUTRAL CONDUCTOR UNLESS NOTED.
- #12 COPPER PHASE CONDUCTORS UNLESS NOTED.
- 1/2" EMT UNLESS NOTED.
- #12 COPPER GROUNDING CONDUCTOR UNLESS NOTED.

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 25226 VA B PHASE 25580 VA TOTAL 50806 VA 212 A			
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE		CIR	
1	LIGHTS - 101 COLD STORAGE	539	20A1P	A	30A1P	1568	LIGHTS - 102 WORKING BAYS		2	
3	LIGHTS - 101 COLD STORAGE	1028	20A1P	B	20A1P	172	EXTERIOR LIGHTING		4	
5	EXTERIOR LIGHTING	172	20A1P	A	20A1P	1000	EXTERIOR RECEPTACLE	⊗	6	
7	EXTERIOR RECEPTACLE	⊗	1000	20A1P	B	20A1P	1000	EXTERIOR RECEPTACLE	⊗	8
9	EXTERIOR RECEPTACLE	⊗	1000	20A1P	A	20A1P	1000	EXTERIOR RECEPTACLE	⊗	10
11	EXTERIOR RECEPTACLE	⊗	1000	20A1P	B	20A1P	1000	EXTERIOR RECEPTACLE	⊗	12
13	EXTERIOR RECEPTACLE	⊗	1000	20A1P	A	20A1P	1000	BLOCK RECEPTACLE	⊗	14
15	BLOCK RECEPTACLE	⊗	1000	20A1P	B	20A1P	1000	BLOCK RECEPTACLE	⊗	16
17	BLOCK RECEPTACLE	⊗	1000	20A1P	A	20A1P	1000	BLOCK RECEPTACLE	⊗	18
19	BLOCK RECEPTACLE	⊗	1000	20A1P	B	20A1P	540	RECEPTACLES - 102	⊗	20
21	RECEPTACLES	⊗	540	20A1P	A	20A1P	540	RECEPTACLES	⊗	22
23	RECEPTACLES	⊗	540	20A1P	B	20A1P	540	RECEPTACLES	⊗	24
25	UNIT HEATER	456	20A1P	A	20A1P	813	EXHAUST FAN & LOUVER		26	
27	GARAGE DOOR OPENERS	2162	30A1P	B					28	
29				A					30	
31				B					32	
33				A					34	
35				B	50A2P	4600	A/R COMPRESSOR		36	
37				A		4600			38	
39	WELDER	4500	50A2P	B	50A2P	4500	WELDER		40	
41		4500		A		4500			42	

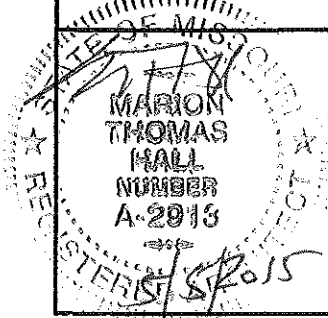
⌀ CIRCUIT BREAKER SHALL BE GFI RATED

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.
- 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. ELECTRIC 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.
- STARTING AT NEW PANEL BOARD (LPA) PROVIDE CONDUCTORS IN NEW AND EXISTING CONDUIT THROUGH EXISTING PULL BOX TO TRANSFORMER AT POLE FOR AN OPERABLE SERVICE.



POWER DISTRIBUTION



ELECTRICAL PANEL

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