## INDEX OF DRAWINGS



## CODE REQUIREMENTS

BUILDING CODE – CURRENT IBC

ELECTRICAL CODE – CURRENT N.E.C.

## FABRIC STRUCTURE

THE SUCCESSFUL OFFEROR WILL RELOCATE THE EXISTING FABRIC STRUCTURE AT 615 VIOLA TO THE NEW SITE. NEW CONCRETE BLOCKS WILL BE CONSTRUCTED ON THE NEW SITE PER ATTACHED SPECIFICATIONS. THE OFFEROR WILL BE REQUIRED TO INSTALL ALL NEW FABRIC TOP, TWO SIDE WALLS, STRAPPING AND TWO GATHER DOORS ON THE RELOCATED METAL STRUCTURE.

2.1 DESIGN REQUIREMENTS

A. Fabric including fabric doors.

1. Novashield RU88X-6 12.5 oz. fabric or equivalent, tan in color.
2. The building cover shall be manufactured utilizing a process, which eliminates 99% of the stretch post fabrication. In order to provide for a good finished appearance and to insure weather tightness, the membrane shall be assembled and tensioned, in a manner to minimize wrinkles in hot and cold temperatures. Each bay (frame centerline to frame centerline) shall utilize a single piece membrane with an extruded PVC core. The membrane must be attached using Keder as specified below. The PVC core will be sealed within the membrane by using a Miller Weld Master Rotary sealer designed specifically for Keder production. The Keder will be attached to the main truss cord utilizing extruded aluminum channel, which shall be fastened using galvanized/zinc-coated screws. A single (one piece) membrane over the entire structure will not be acceptable.
3. Base Tensioning System: The membrane cladding will be provided with a mechanical tensioning sy that allows the membrane to be fully tensioned around the structure perimeter. The system will be designed such that the membrane can be tightly and neatly secured over the structural frame and suc that the system has a remaining range of adjustment.
4. The structure supplier will provide all materials and methods necessary to fully tension and seal the membrane material around all door, ventilation and other openings as well as around the structure perimeter below the main tensioning system. This seal shall provide a neat and finished appearance and eliminate any loose membrane cladding that could otherwise be damaged by flapping or abrasion. When a membrane skirt is required, this shall be supplied and attached at the base perimeter to allow a reasonable seal against air and water intrusion.
5. The structure membrane shall not be designed to function as a structural member such that, should any damage to or penetrations of the membrane occur, the integrity of the structural framework shall not be affected.
6. The membrane shall be tensioned in a fashion that requires minimal on going maintenance and continuous re-tensioning.

# MISSOURI DEPARTMENT OF TRANSPORTATION

## ST. LOUIS DISTRICT - EUREKA FABRIC SALT BUILDING RELOCATION

## ST. LOUIS COUNTY

## EUREKA, MISSOURI

DESIGN BY: LARRY CARVER
DRWN. BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

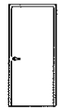
MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

TITLE SHEET

## Relocated Door Schedule

| MARK | SWING | DOOR SIZE |
|---|---|---|
| 1 | LHR | 3'-0" x 6'-8" x 1-5/8" |
| 2 | RHR | 3'-0" x 6'-8" x 1-5/8" |

## Relocated Door & Frame



EQUAL TO CANNON BALL AMERICAN DOORS
4000 SERIES, NS-1053, SOLID PANEL
3'-0" x 6'-8" FIBERGLASS SKIN DOOR
3-1/2" MILL FINISH JAMB
OPTIONAL STAINLESS PASSAGE LOCKSET

## GENERAL NOTES:

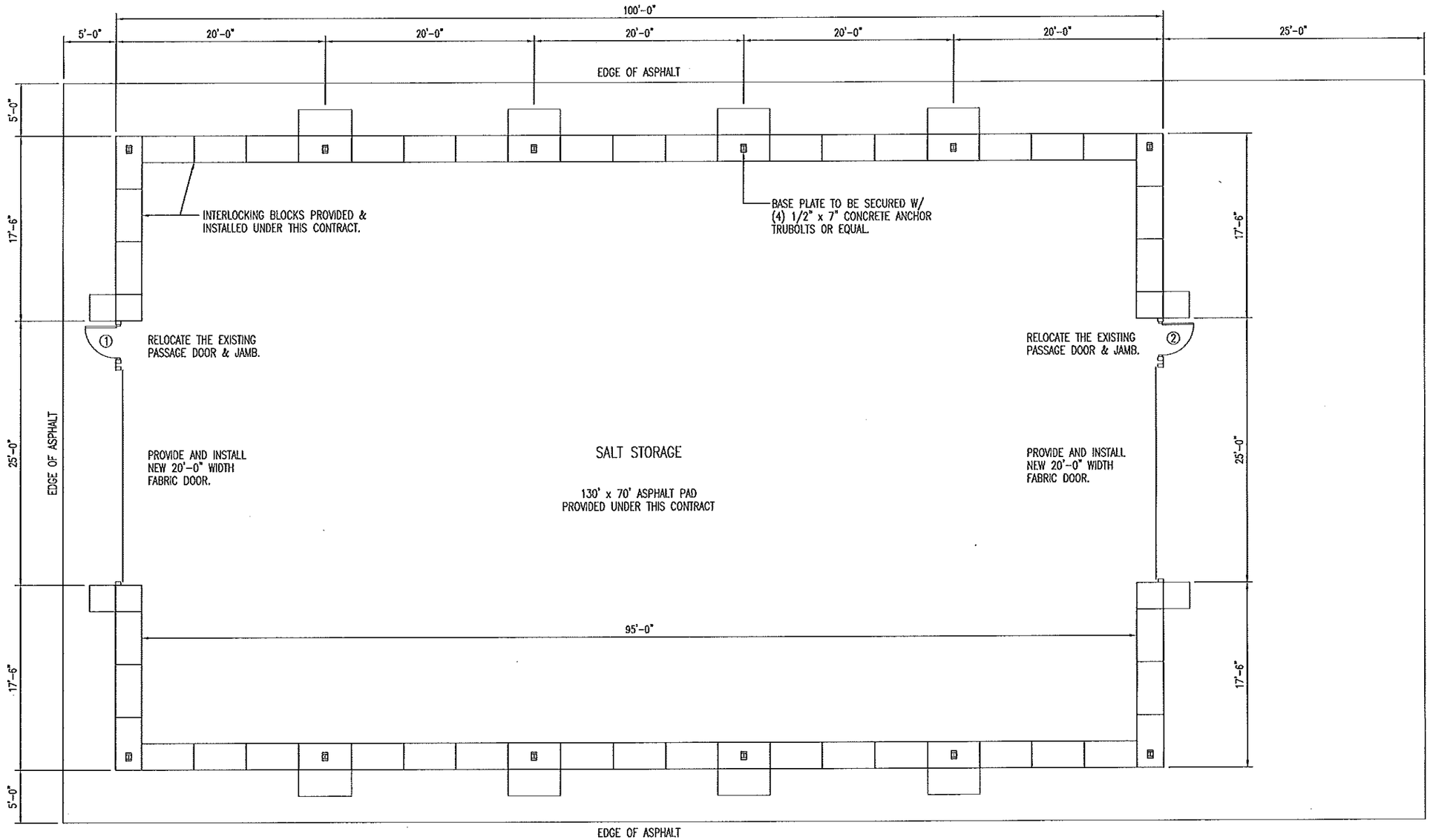
INTERLOCKING BLOCKS ARE 30" H x 30" D x 60" L.

IF EXACT STRUCTURE DIMENSIONS ARE NOT MET, CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING INTERLOCKING BLOCK LAYOUT TO MEET REQUIRED DESIGN.

RELOCATE EXISTING FABRIC STRUCTURE WITH ALL THE NECESSARY CONNECTIONS TO SECURE FABRIC STRUCTURE TO NEW INTERLOCKING BLOCK WALL.

CONTRACTOR TO PROVIDE ADEQUATE SUPPORT FOR ALL ELECTRICAL EQUIPMENT.

CONTRACTOR TO PROVIDE NEW FABRIC TOPPS, COVER, TWO SIDE WALLS AND TWO GATHER DOORS.



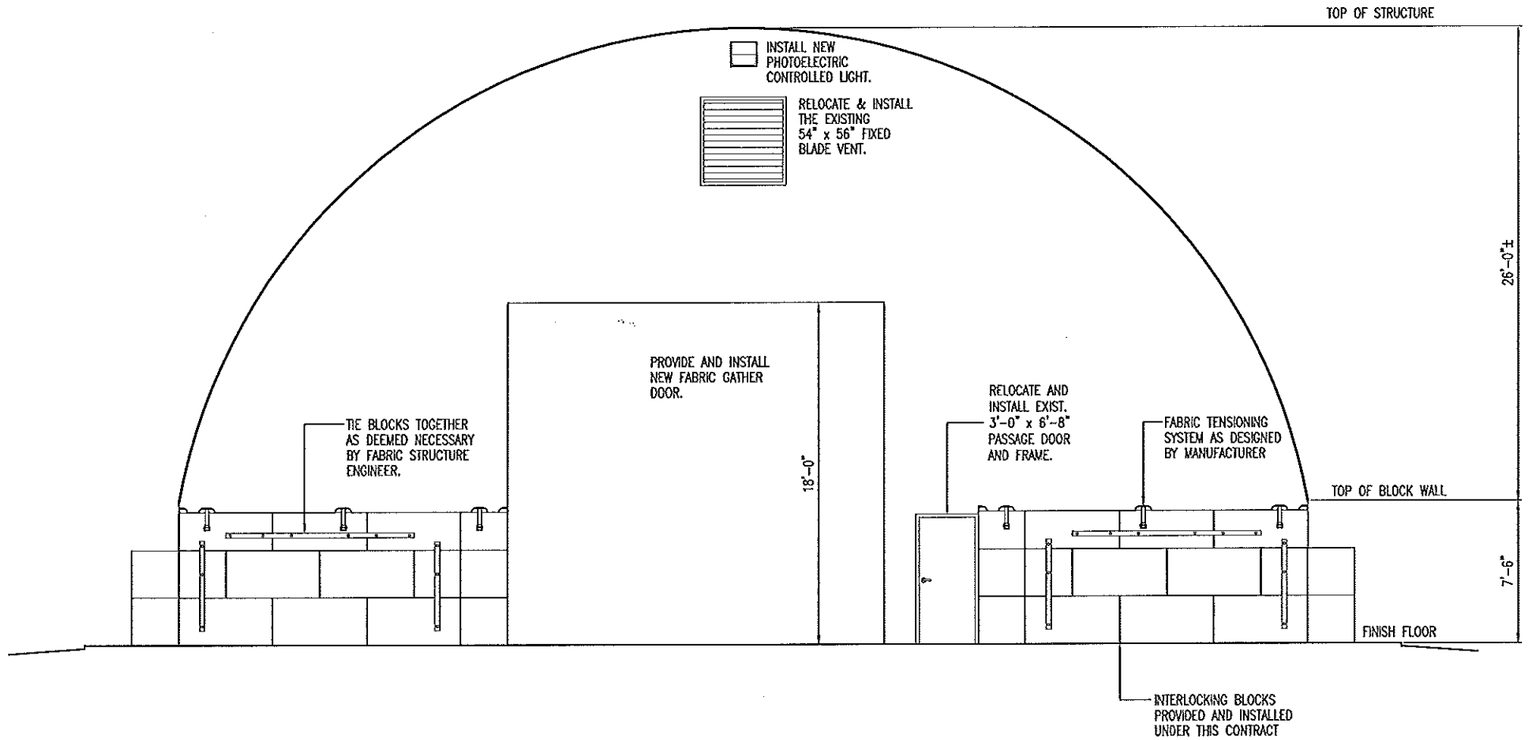

A/1 FLOOR PLAN
SCALE: 3/32" = 1'-0"

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

FLOOR PLAN




A/2 END WALL ELEVATION

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

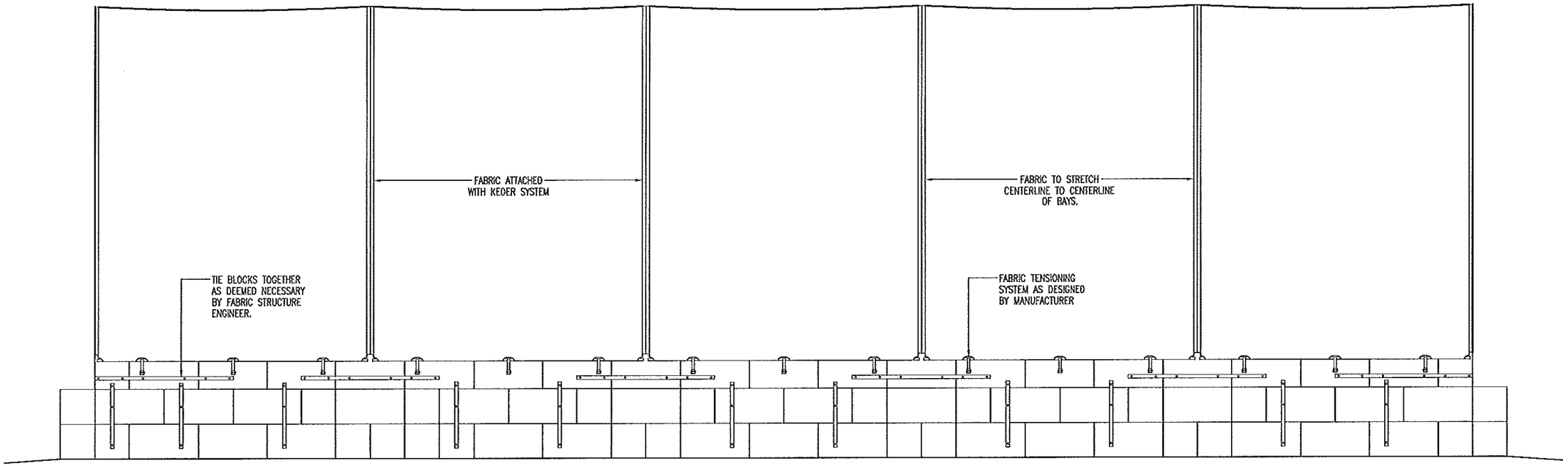
DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

END WALL ELEVATION

Sheet 2 of 9




A/3 SIDE WALL ELEVATION

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

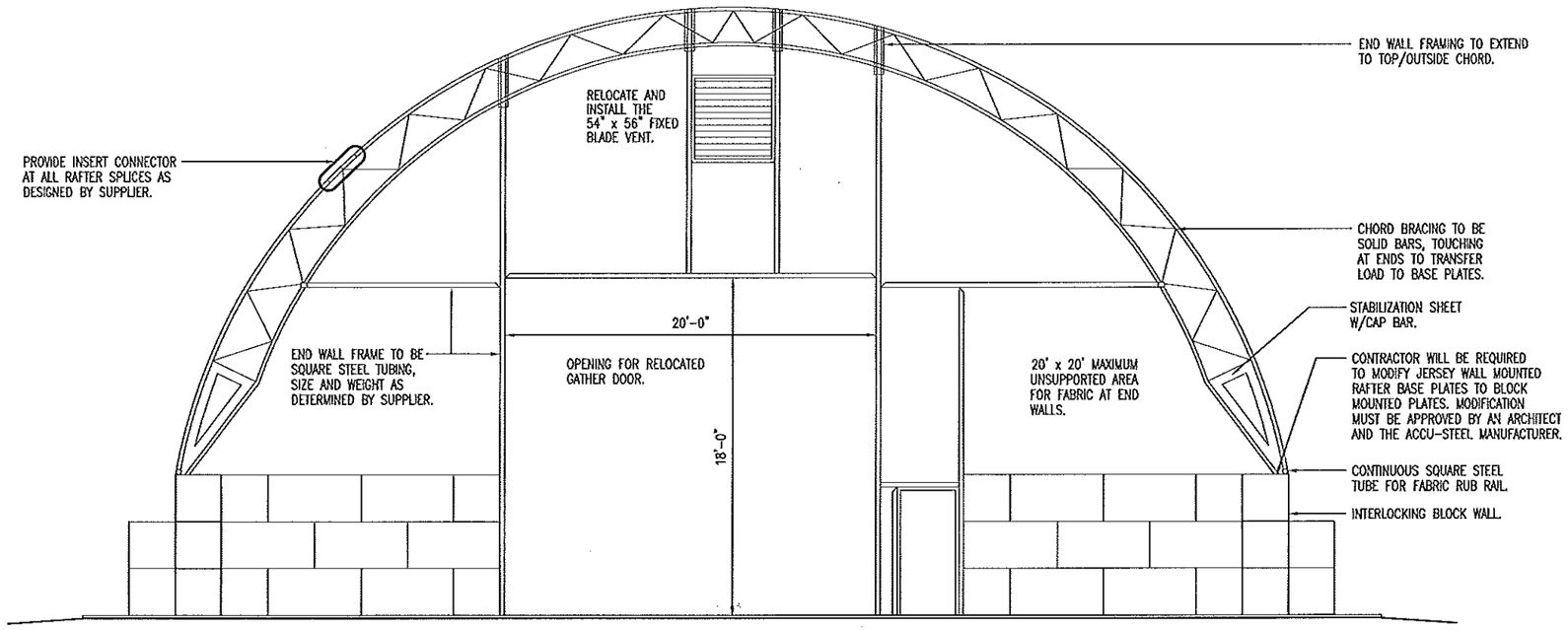
DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

SIDE WALL ELEVATION

Sheet 3 of 9

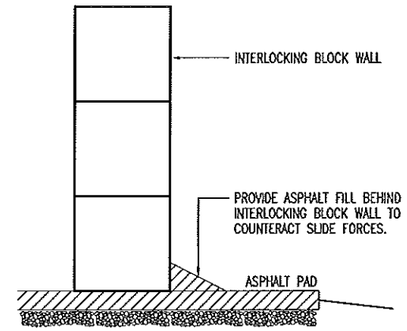



A/4 RELOCATED FRAME & FABRIC SECTION

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

## GENERAL NOTES:

OVER-ALL CLEAR INTERIOR STRUCTURE HEIGHT TO BE 30'-0" MINIMUM A.F.F.

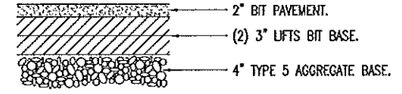



## ASPHALT DETAIL

NTS

### ASPHALT FACTORS

| | | |
|---|---|---|
| BIT BASE | ASPHALT FACTOR | 0.091 TON/CY. |
| | AGGREGATE FACTOR | 1.934 TON/CY. |
| | %AC | 4.5 |
| BIT PAVEMENT BP-1 | ASPHALT FACTOR | 0.099 TON/CY |
| | AGGREGATE FACTOR | 1.895 TON/CY. |
| | %AC | 5.1 |




## ASPHALT DESIGN

NTS

DESIGN BY: LARRY CARVER
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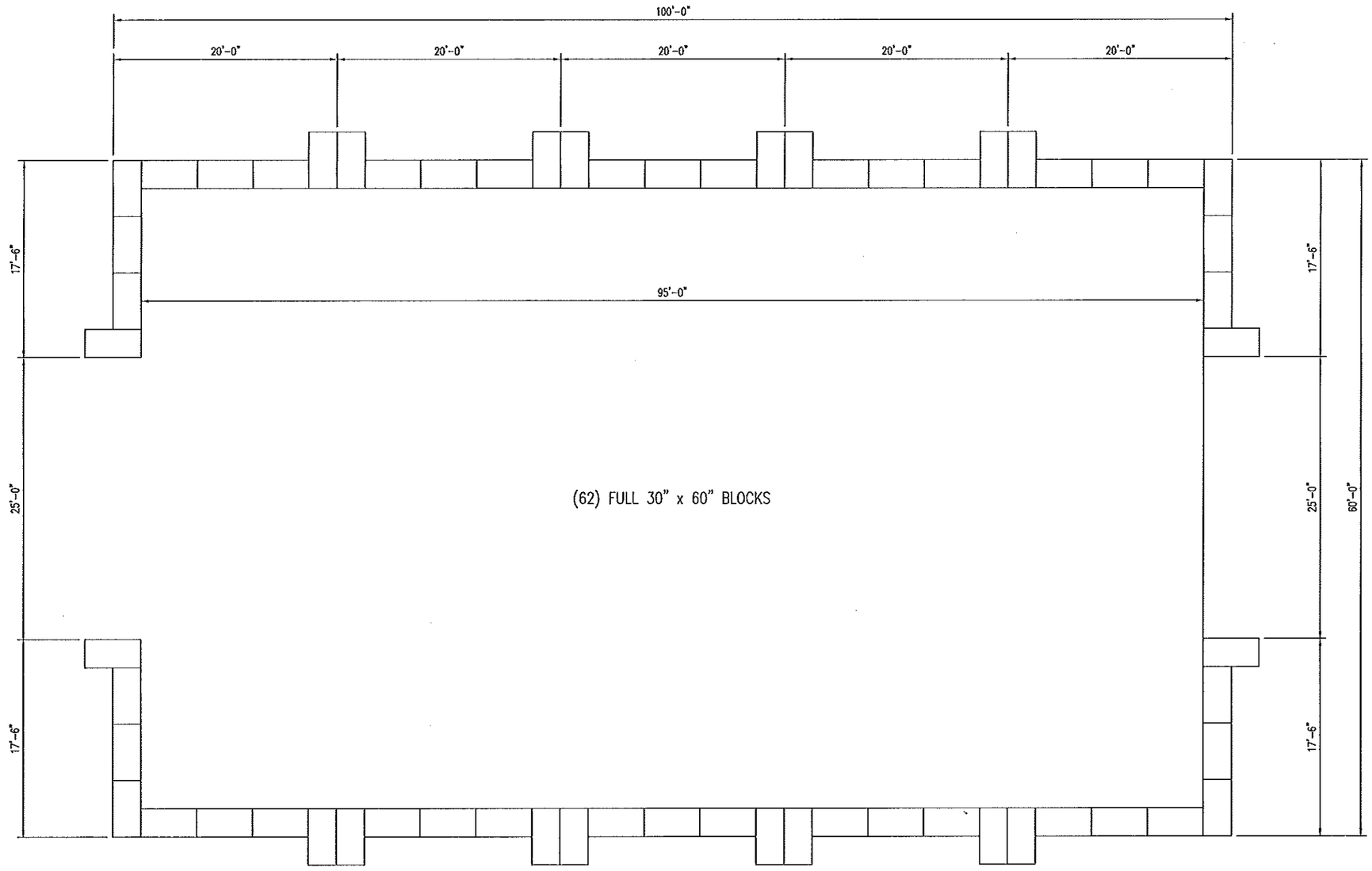
Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

SECTION




A/5 NEW
BLOCK LAYOUT LEVEL 1
SCALE: 3/32" = 1'-0"

DESIGN BY: LARRY CARVER
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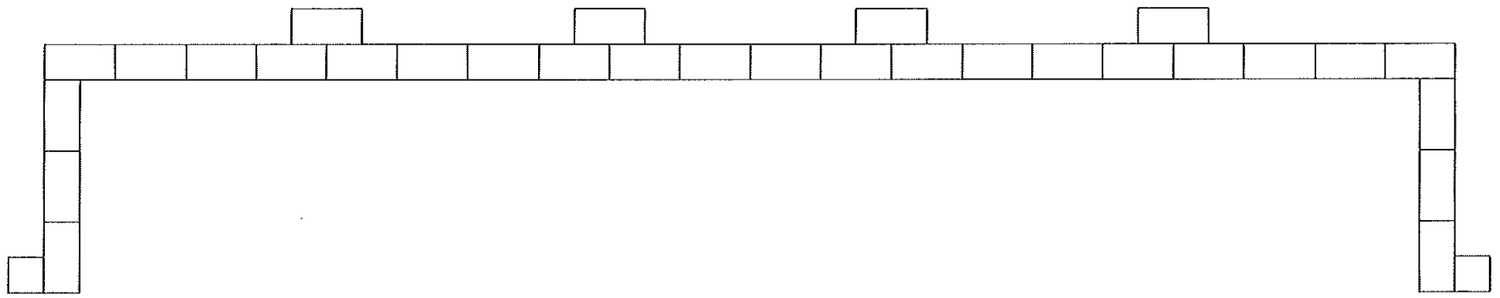
Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

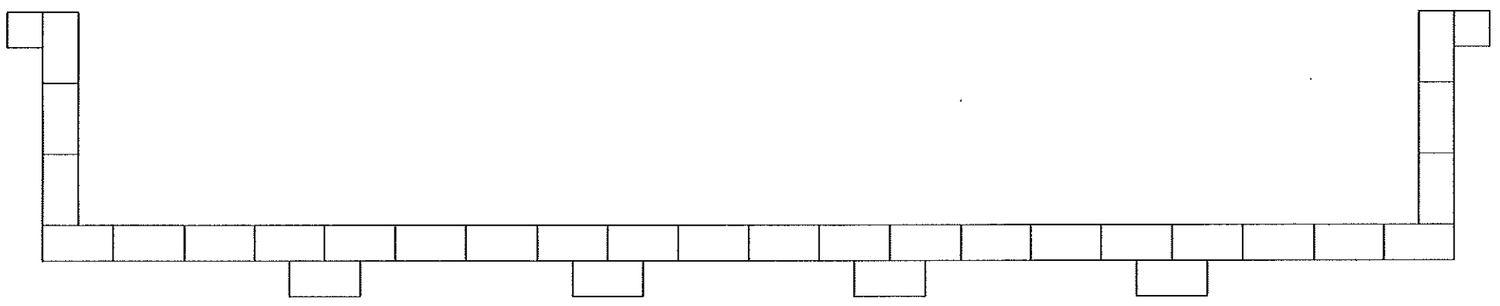
MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Block Layout Level 1

Sheet 5 of 9



(60) FULL 30" x 60" BLOCKS
(4) HALF 30" x 30" BLOCKS



A/6 NEW
BLOCK LAYOUT LEVEL 2
SCALE: 3/32" = 1'-0"

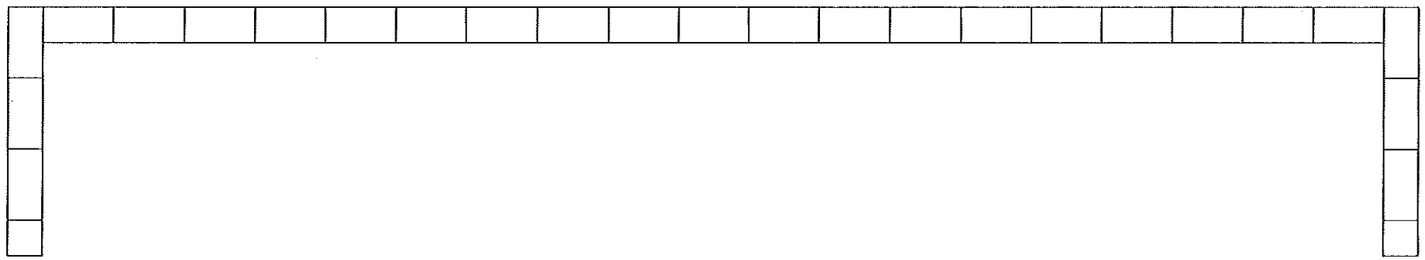
DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

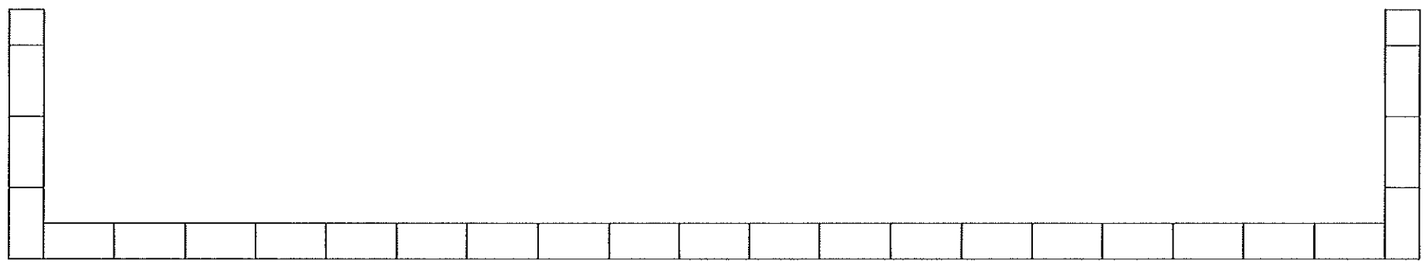
MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Block Layout Level 2

Sheet 6 of 9



(50) FULL 30" x 60" BLOCKS
(4) HALF 30" x 30" BLOCKS



A/7 NEW
BLOCK LAYOUT LEVEL 3
SCALE: 3/32" = 1'-0"

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Block Layout Level 3

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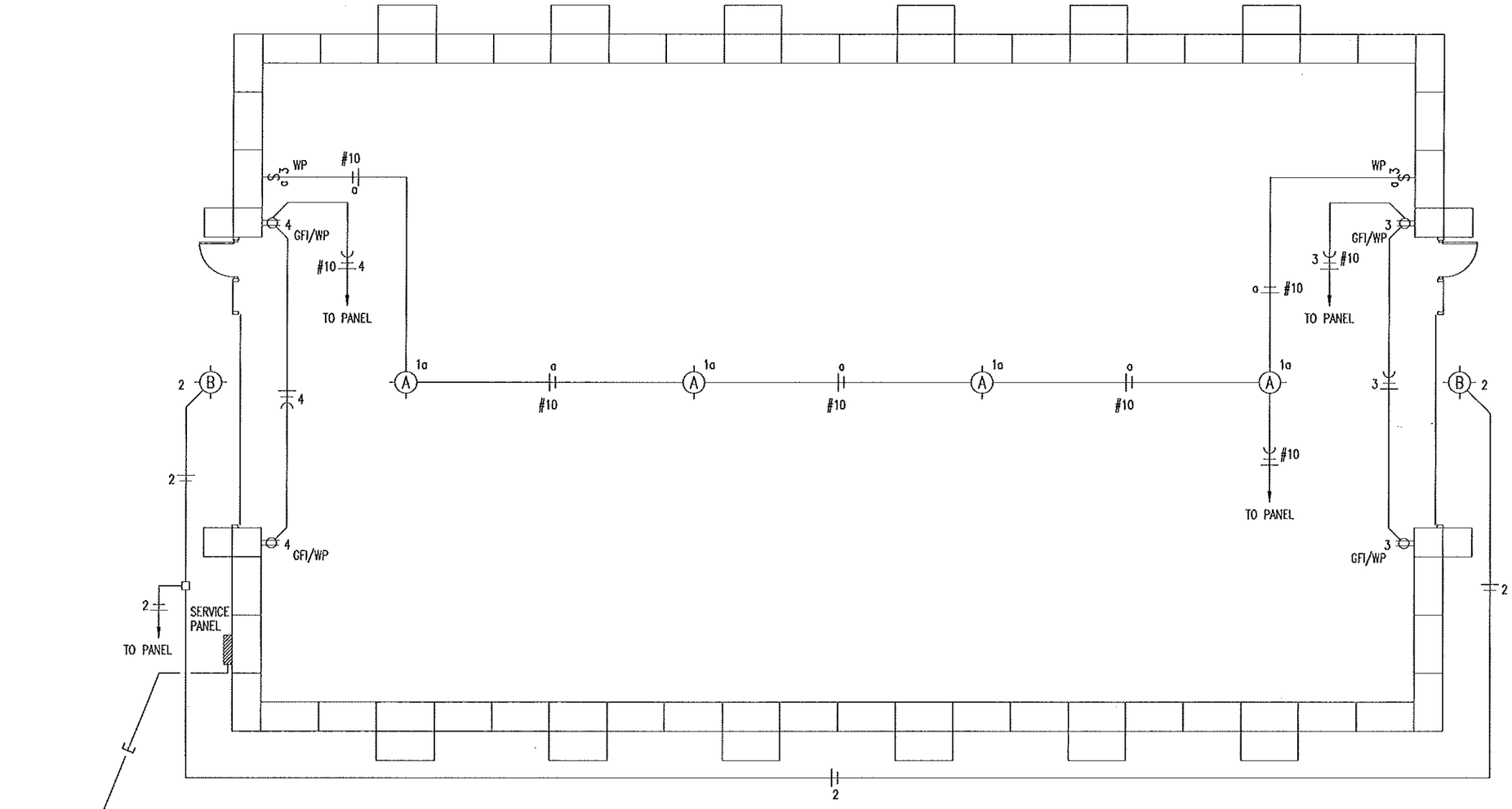



NEW
A/8 ELECTRICAL PLAN
SCALE: 3/32" = 1'-0"

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 7-14-14

Fabric Salt Structure-Relocation
ST. LOUIS DISTRICT
EUREKA, MISSOURI

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

ELECTRICAL PLAN

## ELECTRIC SCHEDULE

| MANUF. | MODEL | LAMPS # | LAMPS TYPE | LAMPS W | MNT | REMARKS |
|---|---|---|---|---|---|---|
| LITHONIA (A) | FHE 628T5L PCLSD MVOLT 2/3 | 6 | | 28 | CLG | INTERIOR FIBERGLASS HOUSING, IMPACT RESISTANT CLEAR DIFFUSER WITH FROSTED ENDS. STAINLESS STEEL LATCHES. |
| LITHONIA (B) | TWH LED 20C 1000 50K T3M MVOLT DBLXD | 1 | LED | 120V | WALL | EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, DIE-CAST ALUMINUM HOUSING. GLASS LENS COVERS PROPRIETARY ACRYLIC LENSES. |

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

## SERVICE PANEL

MAIN BUS: 60A MLO
VOLTS: 240/120, 1PH, 3-WIRE
BUS MATERIAL: COPPER
MOUNTING: SURFACE

SQUARE "D" NOOD OR EQUAL
W/ NEUTRAL BUS & GROUNDING BUS
CIRCUIT BREAKERS BOLT-IN 10000 AIC
IN EXTERIOR BOX AND COVER

CONNECTED LOAD
A PHASE 912 VA
B PHASE 720 VA
TOTAL 1632 VA
7 A

| CIR | SERVICE | VA | BKR | | BKR | VA | SERVICE | CIR |
|---|---|---|---|---|---|---|---|---|
| 1 | LIGHTS | 672 | XA1P | A | 20A1P | 240 | EXTERIOR LIGHTS | 2 |
| 3 | RECEPTACLES | 360 | 20A1P | B | 20A1P | 360 | RECEPTACLES | 4 |
| 5 | SPARE | -- | 20A1P | A | 20A1P | -- | SPARE | 6 |
| 7 | SPACE ONLY | | | B | | | SPACE ONLY | 8 |
| 9 | SPACE ONLY | | | A | | | SPACE ONLY | 10 |
| 11 | SPACE ONLY | | | B | | | SPACE ONLY | 12 |

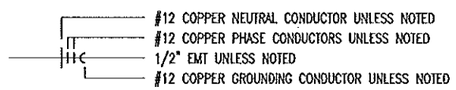
## ELECTRICAL NOTES

1. ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.).
2. PROVIDE ELECTRICAL EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
3. 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.
4. ALL WIRING INSIDE STRUCTURE SHALL BE TYPE THHN SOLID COPPER, IN SCHEDULE 40 HEAVY WALL PVC CONDUIT. PROVIDE ADEQUATE SUPPORT FOR PVC CONDUIT. ALL SYSTEMS TO BE DUST TIGHT.
5. SWITCHES AND RECEPTACLES TO BE IN WEATHERPROOF BOXES.
6. MOUNT RECEPTACLES AT 48" A.F.F.

## LEGEND

3 $WP — SWITCH MOUNTED IN FS BOX W/ HUBBELL HBL 7420 COVER @ 48" A.F.F.

⌀ WP GFI — DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.

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Fabric Salt Structure Relocation
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Electrical Panel & Schedules

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