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CODE REQUIREMENTS

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

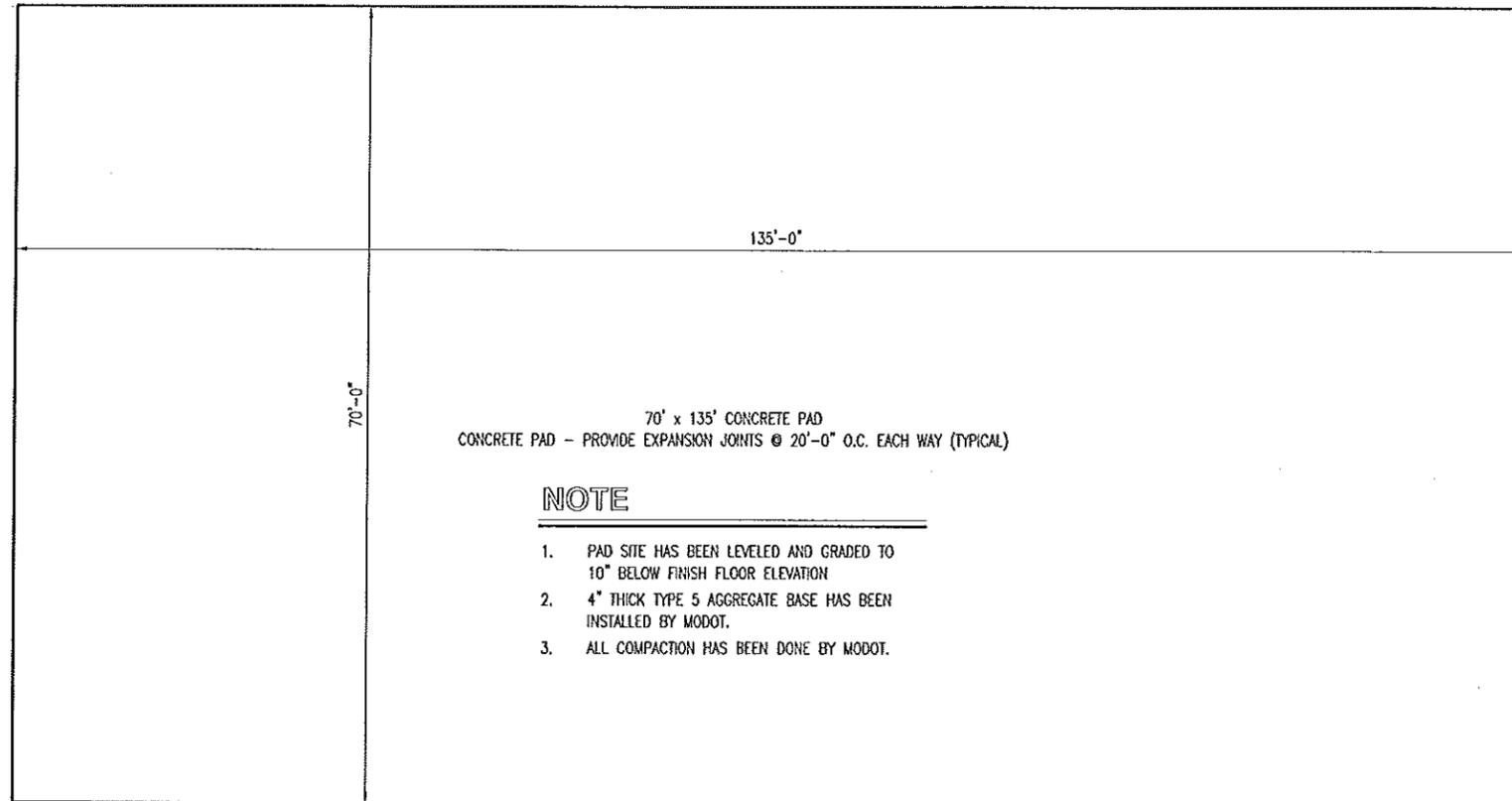
DESIGN BY DOUG RECORD  
DRAWN BY LARRY CARVER  
DATE 3-13-2015

Southeast District  
Summersville & Hartville  
SALT FABRIC STRUCTURE

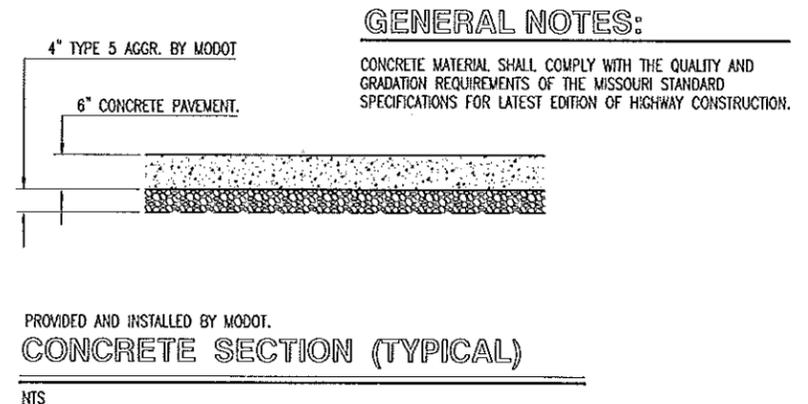
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OF TRANSPORTATION  
GENERAL SERVICES  
FACILITIES MANAGEMENT

COVER SHEET

MISSOURI DEPARTMENT OF TRANSPORTATION  
SOUTHEAST DISTRICT - SUMMERSVILLE & HARTVILLE - FABRIC SALT STRUCTURE  
SHANNON & WRIGHT COUNTIES



PROVIDED AND INSTALLED BY MODOT.  
**A**  
**CONCRETE PAD**  
**2**  
 SCALE: 1/16" = 1'-0"



**CONCRETE/SITE 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. CONTRACTOR SHALL ASSUME A SOIL BEARING CAPACITY OF 2000 PSF. IF WET OR UNUSUAL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
3. BUILDING LOCATION HAS BEEN STAKED AND EXCAVATED TO 10" BELOW FINISH GRADE.
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. CONCRETE SHALL RECEIVE AIR ENTRAINMENT 5% +/- 2%.
6. CONCRETE FLATWORK SHALL HAVE A LIGHT POWER TROWELED FINISH.
7. SAWED CONTROL JOINTS SHALL BE CUT @ 20'-0" O.C. EACH WAY x 2" DEEP, CLEANED FREE OF ALL DEBRIS AND FILLED WITH PRC PERMAPOL "RC-550" JOINT SEALANT OR APPROVED EQUAL SEALANT TO BE HELD DOWN 1/4" BELOW FINISHED SURFACE.
8. CONCRETE SLAB SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03370.
9. SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.

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CONCRETE PAD

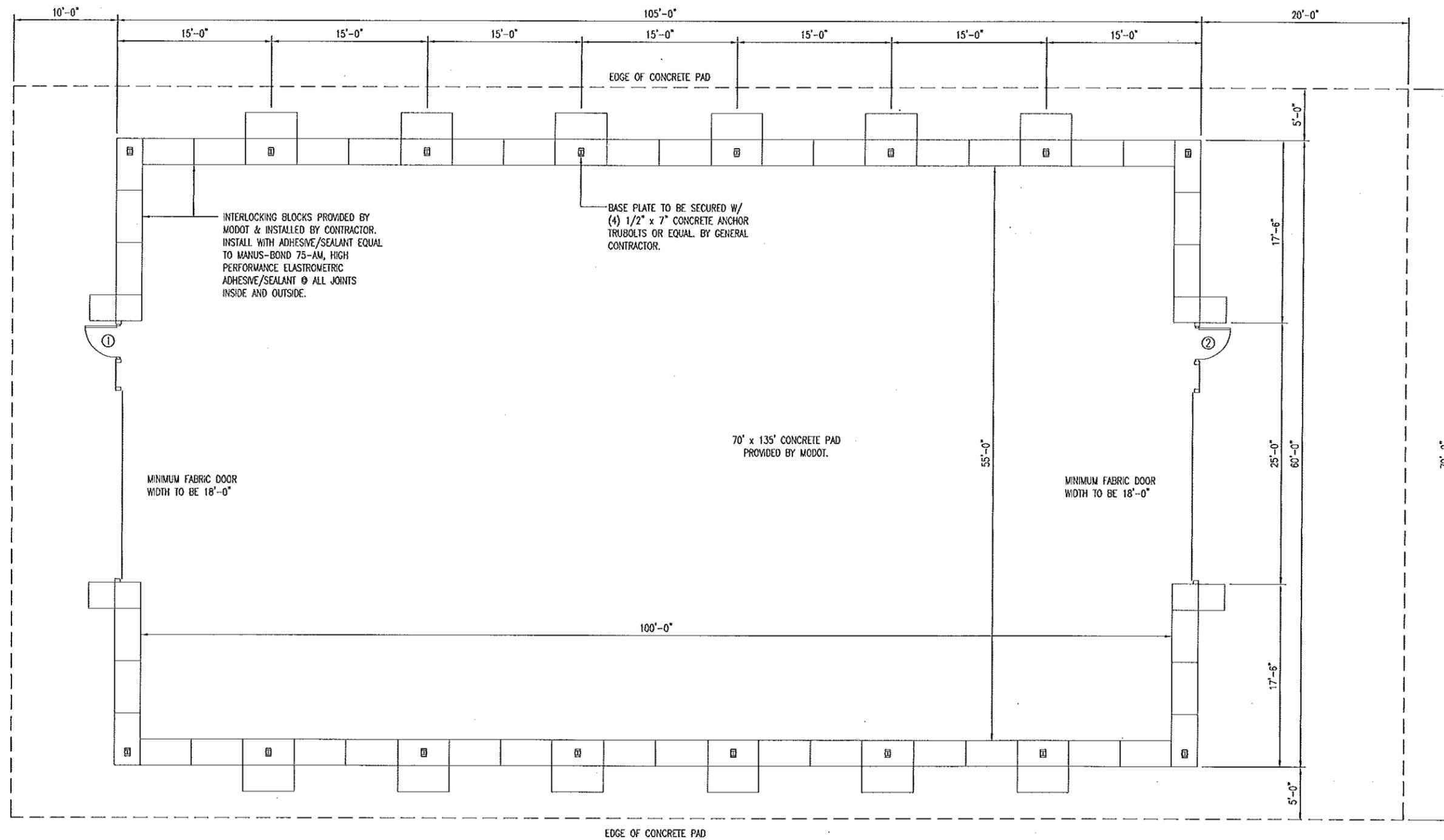
DOOR SCHEDULE		
MARK	SWING	DOOR SIZE
1	LHR	3'-0" x 6'-8" x 1-5/8"
2	RHR	3'-0" x 6'-8" x 1-5/8"

**DOOR/FRAME TYPE**

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:**

SOLDIER BLOCKS ARE 30" H x 30" D x 60" L  
 FABRIC STRUCTURE SUPPLIER TO DESIGN AND PROVIDE ALL NECESSARY CONNECTIONS TO SECURE FABRIC STRUCTURE TO FOUNDATION WALL.  
 CONTRACTOR TO PROVIDE ADEQUATE SUPPORT FOR ALL ELECTRICAL EQUIPMENT.



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

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 SALT FABRIC STRUCTURE

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FLOOR PLAN

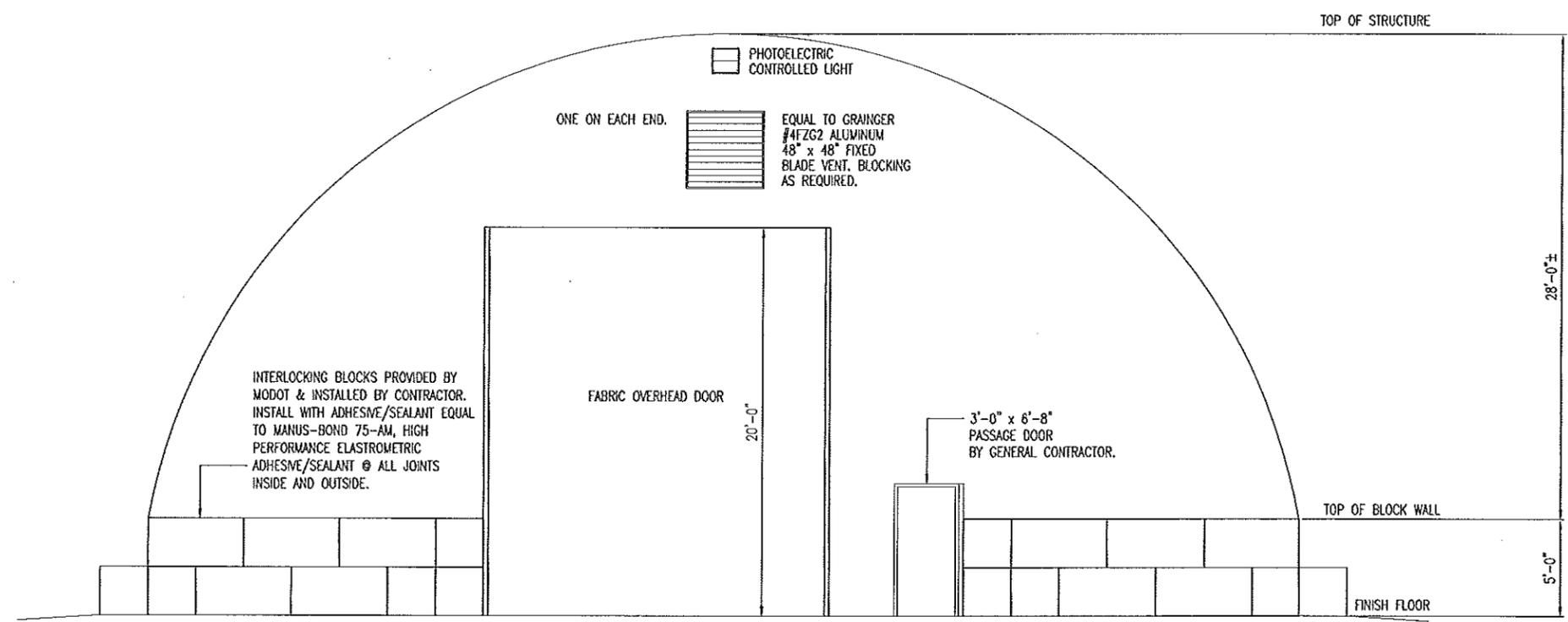
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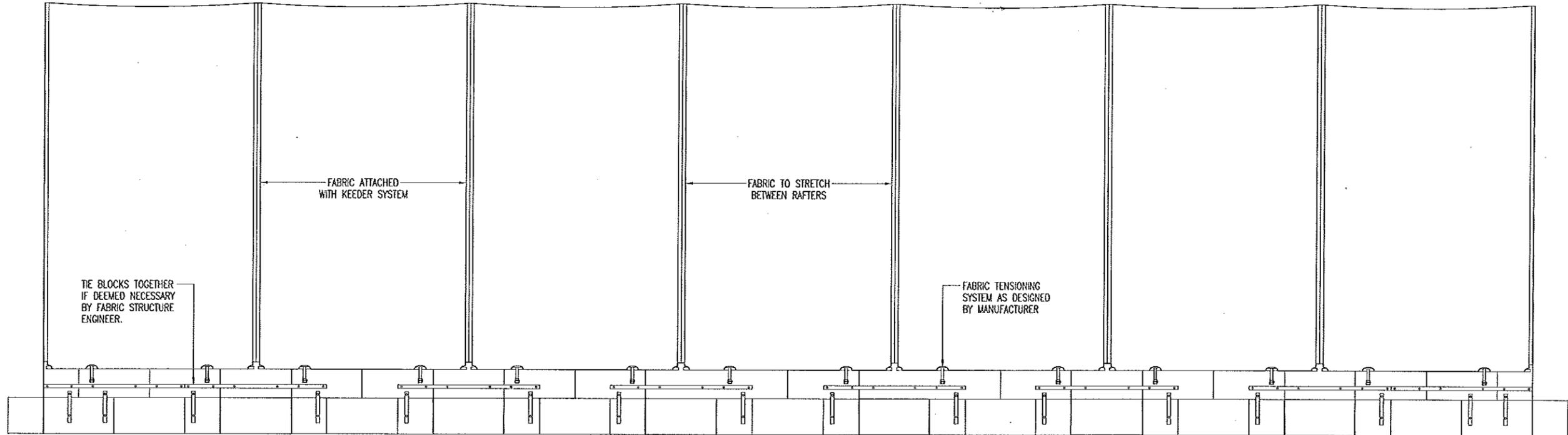
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END WALL ELEVATION

Sheet 4 of 10



FABRIC STRUCTURE PROVIDED AND INSTALLED IN BASE BID.  
**END WALL ELEVATION**  
 SCALE: 1/8" = 1'-0"



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SIDE WALL ELEVATION

A  
 5

FABRIC STRUCTURE PROVIDED AND INSTALLED IN BASE BID.  
**SIDE WALL ELEVATION**

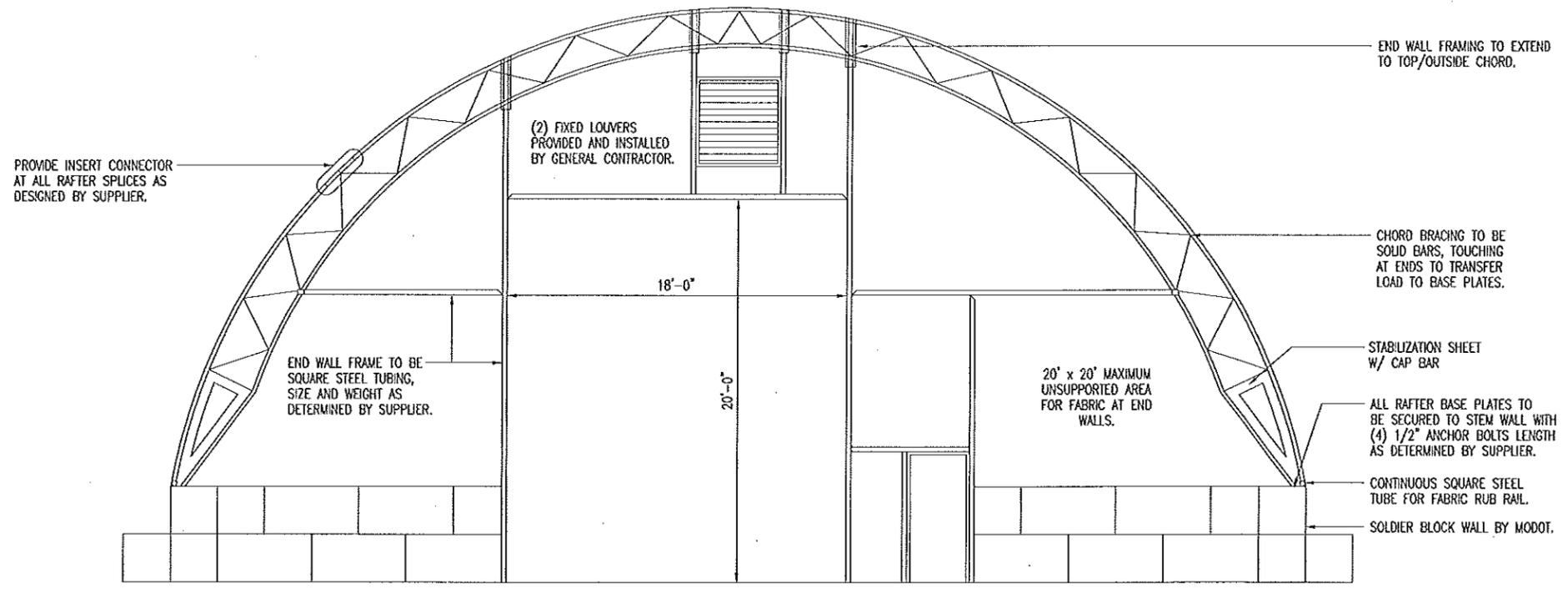
SCALE: 1/8" = 1'-0"

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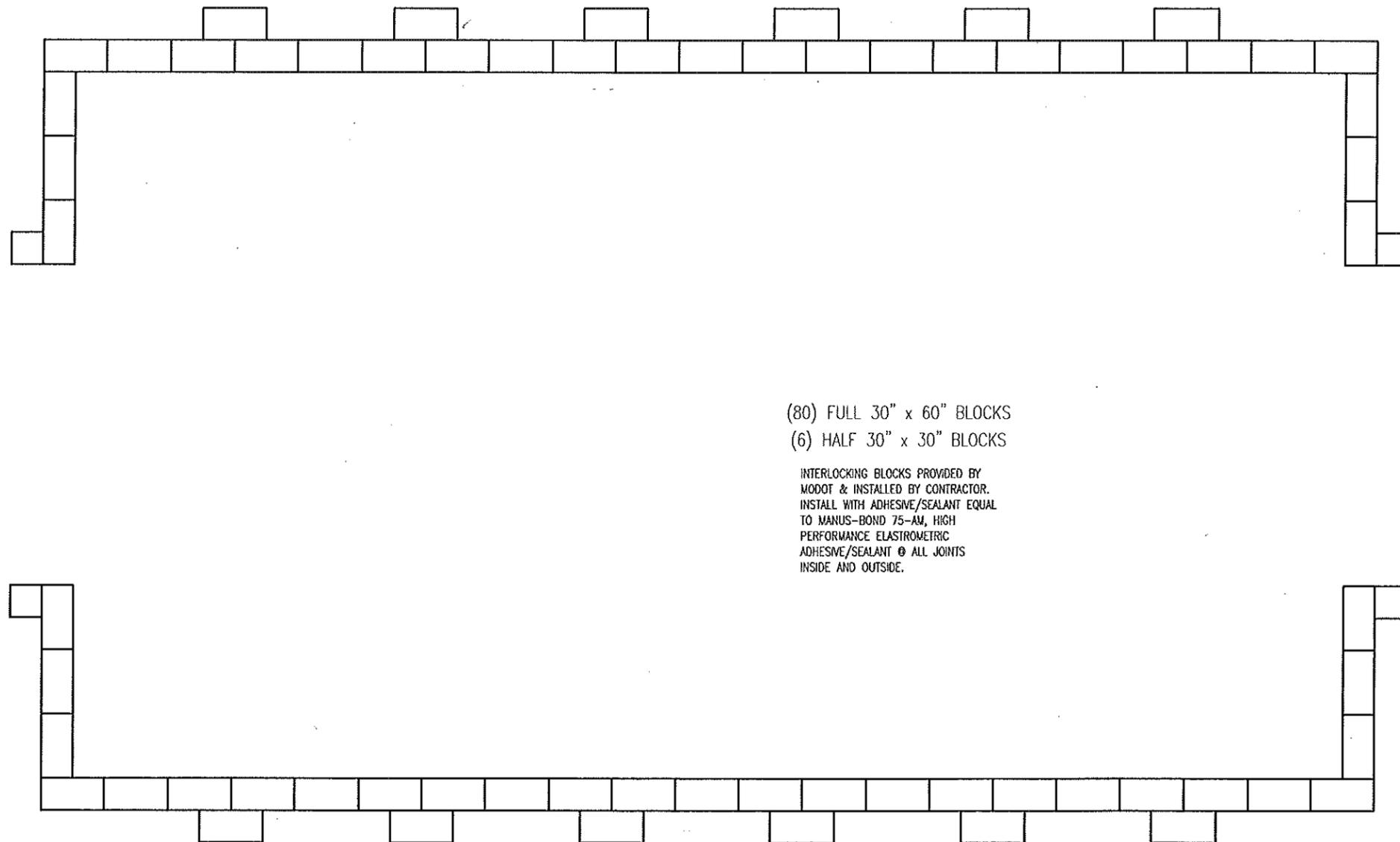
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SECTION



FABRIC STRUCTURE PROVIDED AND INSTALLED IN BASE BID.  
**SECTION**  
 A  
 6  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**  
 OVER-ALL CLEAR INTERIOR STRUCTURE HEIGHT TO BE 27'-0" MINIMUM A.F.F.



(80) FULL 30" x 60" BLOCKS  
 (6) HALF 30" x 30" BLOCKS

INTERLOCKING BLOCKS PROVIDED BY  
 MODOT & INSTALLED BY CONTRACTOR.  
 INSTALL WITH ADHESIVE/SEALANT EQUAL  
 TO MANUS-BOND 75-AM, HIGH  
 PERFORMANCE ELASTOMETRIC  
 ADHESIVE/SEALANT @ ALL JOINTS  
 INSIDE AND OUTSIDE.

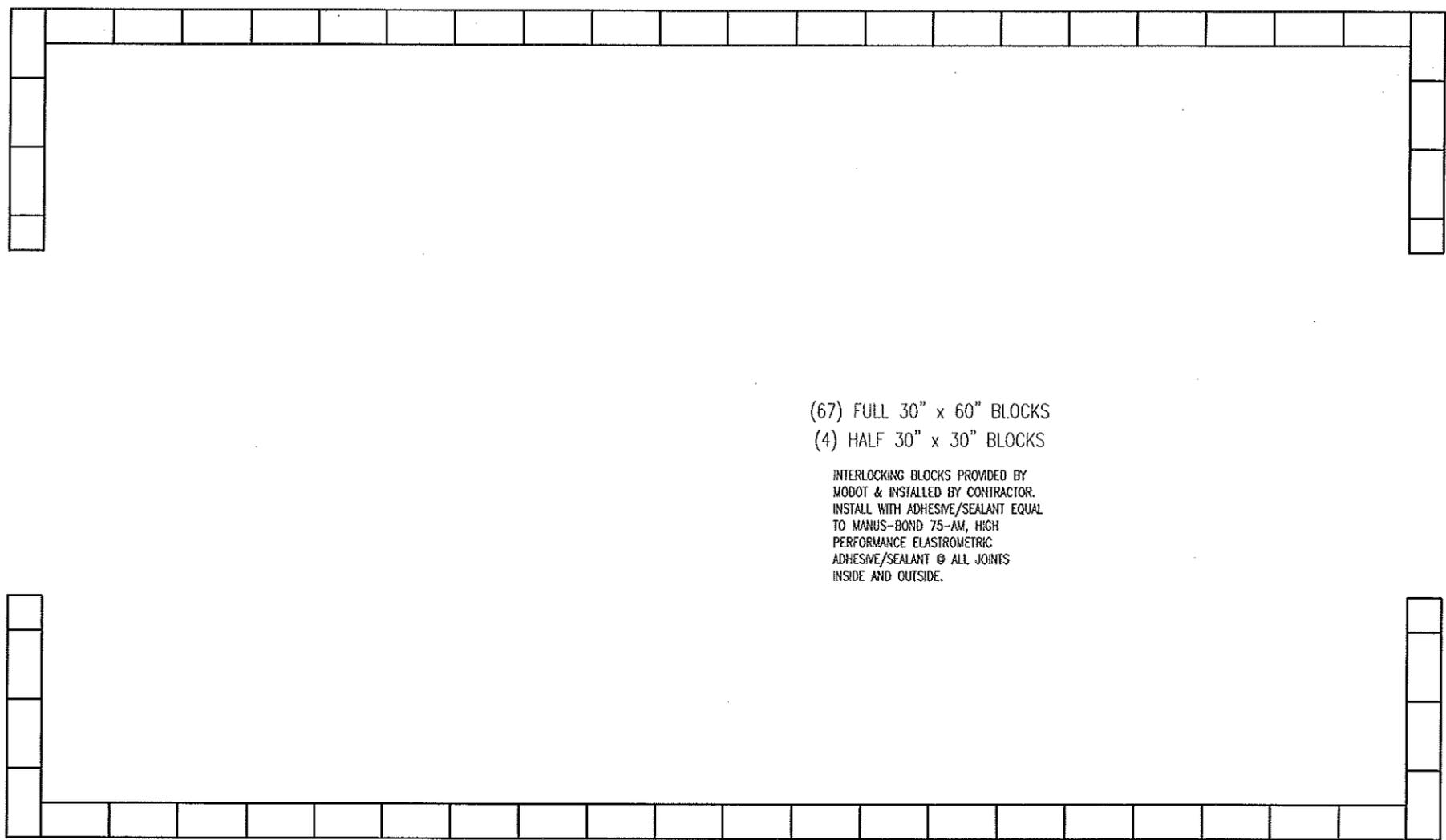
**A**  
**7** **BLOCK LAYOUT LEVEL 1**  
 SCALE: 3/32" = 1'-0"

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BLOCK LAYOUT LEVEL 1



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

INTERLOCKING BLOCKS PROVIDED BY  
 MODOT & INSTALLED BY CONTRACTOR.  
 INSTALL WITH ADHESIVE/SEALANT EQUAL  
 TO MANUS-BOND 75-AM, HIGH  
 PERFORMANCE ELASTOMETRIC  
 ADHESIVE/SEALANT @ ALL JOINTS  
 INSIDE AND OUTSIDE.

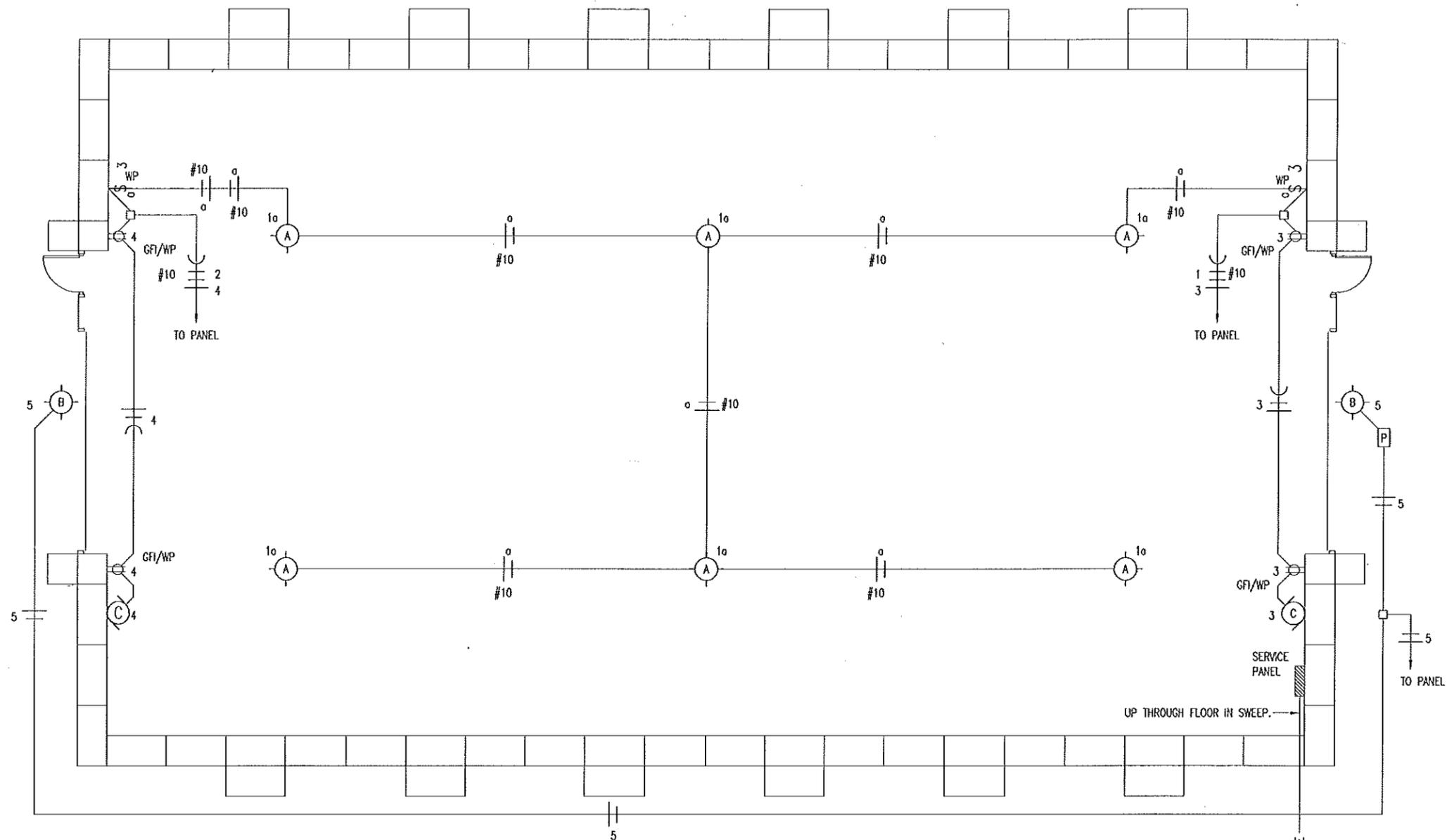
**A**  
**8** BLOCK LAYOUT LEVEL 2  
 SCALE: 3/32" = 1'-0"

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BLOCK LAYOUT LEVEL 2



2" CONDUIT & CONDUCTOR TO SOURCE (APPROXIMATELY 100')

SUPPLIED AND INSTALLED BY MODOT.  
**ELECTRICAL PLAN**  
 SCALE: 3/32" = 1'-0"

A  
9

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**ELECTRICAL PLAN**

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 SALT FABRIC STRUCTURE

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ELECTRICAL PANEL & NOTES

SUPPLIED AND INSTALLED BY MODOT.

ELECTRIC SCHEDULE					
MANUF.	MODEL	#	LAMPS TYPE W	MNT	REMARKS
LITHONIA Ⓐ	JHBL-1800LM-GL-WD- MVOLT-GZ10-40K-70CRI		LED 185	CLG	LED IP RATED HIGH BAY, CONSTRUCTED TO WITHSTAND MOISTURE DUST AND CHEMICAL CONTACT.
ATLAS Ⓑ	WLM43LED		LED 43	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING, GLARE FREE LENS.
Ⓒ	NORTHERN INDUSTRIAL TOOLS ITEM# 14230-2503			WALL	1100 LB. ELECTRIC HOIST 550 LB. CAPACITY ON SINGLE LINE 1100 LB. CAPACITY ON DOUBLE LINE
TORK Ⓓ	2001			WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.
ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.					

### 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.

SUPPLIED AND INSTALLED BY MODOT.

SERVICE PANEL NEMA 3SX									
MAIN BUS: 100A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: SURFACE		SQUARE "D" NQOD OR EQUAL W/ NEUTRAL BUS & GROUNDING BUS CIRCUIT BREAKERS BOLT-IN 10000 AIC IN EXTERIOR BOX AND COVER				CONNECTED LOAD A PHASE 1196 VA B PHASE 1896 VA TOTAL 3092 VA 13 A			
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE	CIR	
1	LIGHTS	1110	30A1P	A	20A1P	86	LIGHTS	2	
3	RECEPTACLES/OHD OPENER	948	20A1P	B	20A1P	948	RECEPTACLES/OHD OPENER	4	
5	SPACE ONLY			A			SPACE ONLY	6	
7	SPACE ONLY			B			SPACE ONLY	8	
9	SPACE ONLY			A			SPACE ONLY	10	
11	SPACE ONLY			B			SPACE ONLY	12	

### LEGEND

- Ⓐ WP 3-WAY SWITCH MOUNTED IN FS BOX W/ HUBBELL HBL 7420 COVER.
- Ⓞ GFI DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER
- Ⓞ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.
- #12 COPPER NEUTRAL CONDUCTOR UNLESS NOTED
- #12 COPPER PHASE CONDUCTORS UNLESS NOTED
- 1/2" EMT UNLESS NOTED
- #12 COPPER GROUNDING CONDUCTOR UNLESS NOTED