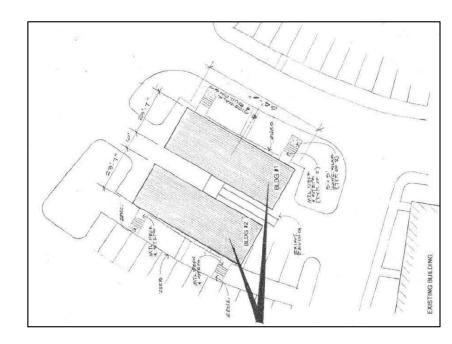
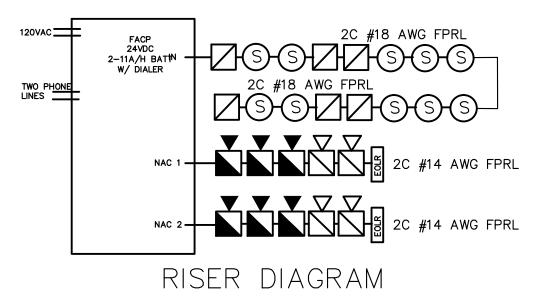


GENERAL NOTES

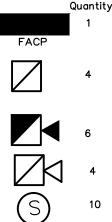
- 1. ALL BONDING AND GROUND PER N.E.C., STATE AND CITY LOCAL CODES, WHICHEVER IS THE MOST STRINGENT.
- 2. MISCELLANEOUS INCIDENTAL ITEMS NOT SHOWN ON DRAWINGS OR MENTIONED IN SPECIFICATIONS, THAT REQUIRED TO PROVIDE A COMPLETE AND OPERABLE SYSTEM(S), SUCH AS CLAMPS, HANGERS, FASTENERS, BUSHINGS, NIPPLES, TAGS, NAME-PLATES, ETC., SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE
- 3. PROVIDE CONDUIT AND SEALS AT ANY LOCATION IN WHICH CONDUITS OR CABLES PASS THROUGH FIRE WALLS AND FLOORS. INSTALLATION TO MAINTAIN INTEGRITY AND
- 4. VERIFY ALL EQUIPMENT WITH SPEC. BOOK AND CUT SHEET POSTED ON JOB SITE PRIOR TO ANY ROUGH-IN. 5. CONTRACTOR SHALL RUN POWER FEED FROM MDP PANEL TO MODULAR SERVICE PANEL IN CONDUIT ON BUILDING AND DIRECT BURIED OUTSIDE OF BUILDING.







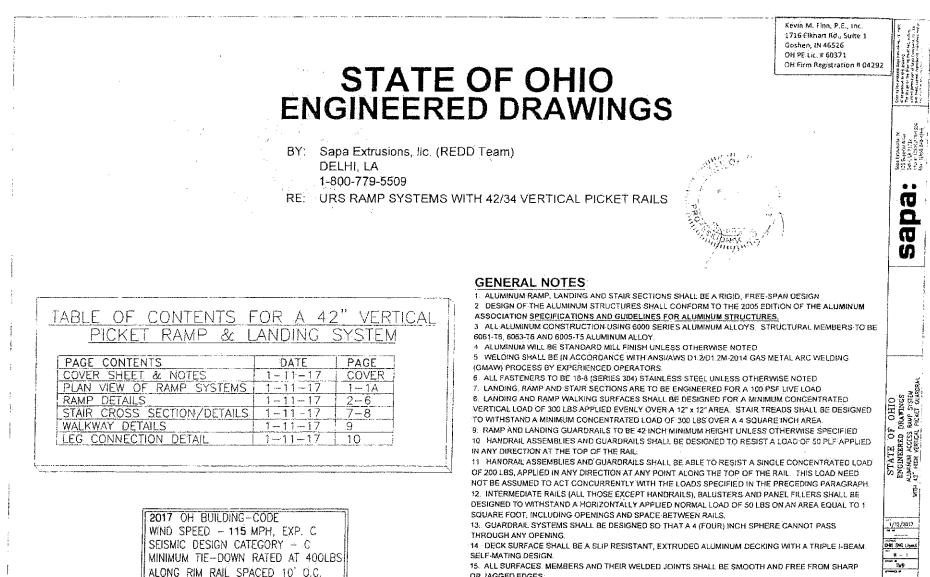
DEVICE SPECIFICATIONS



- Silent Knight Fire Alarm Control Panel 120VAC WITH AUTOMATIC PHONE DIALER
- MODEL 5700XL 24 V DC or equivalent Fire Alarm addressable Pull Station
- Silent Knight Cat# SK-PULL or equivalent
- Mount within 5' from door, minimum 42" max. 48" AFF NFPA 72 art. 2—8.1 & 2—8.2.3
- Audio Visual Alarm System Sensor Cat# P2R 24VDC or equivalent Mount 80" AFF per NFPA 72 art. 4-4.4 and sect. 4.28.3 ADAAG
- Visual Alarm System Sensor Cat# SR 24VDC or equivalent Mount 80" AFF per NFPA 72 art. 4—4.4 and sect. 4.28.3 ADAAG Addressable Smoke Detector Silent Knight Cat# SK-PHOTO or equivalent
- 10

FIRE ALARM GENERAL NOTES

- The Fire Alarm system shall be maintained in accordance with the requirements of 2016 NFPA 72 Chapter 14
- 2. The system shall be tested in accordance with 2017 OBC and 2016 NFPA 72 code. All tests shall be conducted in the presence of the code official. All tests shall be conducted at the expense of the owner or the owner's
- representative. 3. The contractor shall provide the code official with a certificate indicating that the system was installed in compliance with the 20170BC and the appropriate tests have been conducted in accordance with 2016 NFPA 72
- Chapter 14.4 4. The system shall be of an approved type and shall be installed in
- accordance with the provisions of the 2017 OBC and 2016 NFPA 72
- 5. Manual fire alarm boxes shall be located within 5' from the entrance to each exit 2016 NFPA 72 sect. 17.14.4
- 6. The heigth of manual fire alarm boxes shall be minimum of 42" and a maximum of 48" from floor level to the activating handle or lever of the box. Manual fire alarm boxes shall be red in color 2016 NFPA 72 sect. 17.14.4
- 7. The primary and secondary power supply shall be provided in accordance with 2016 NFPA 72 10.5
- 8. All wiring shall conform to the requirements of 2016 NFPA 72
- 9. The alarm notification appliances shall be activated by all of the following where provided: (a) smoke detectors, (b) manual fire alarm boxes
- 10. The system shall be adressable in accordance to 2016 NFPA 72 11. Alarm notification appliances of an approved type shall be provided. Audible alarm notification appliances shall provide a distinctive sound which shall not be used for any purpose other than a fire alarm. Such device shall provide a sound pressure level of 15 DBA above the average ambient sound level in every occupied space within the building. The maximum sound pressure for an audible alarm shall not exceed 120 DBA at the minimum hearing distance from the audible appliance. Visible alarm notification appliances shall be provided in accordance to the provisions of ADAAG and 2016 NFPA 72
- 13. Existing primary power from existing panel. Secondary power 24VDC 2-11AH batteries
- 14. Overcurrent protection on secondary power supply shall comply with 2016 NFPA 72 sect. 10.5.5.4
- 15. The system shall transmit , via phone lines, the alarm and trouble signals to an approved central station system 2016 NFPA sect 26.3.

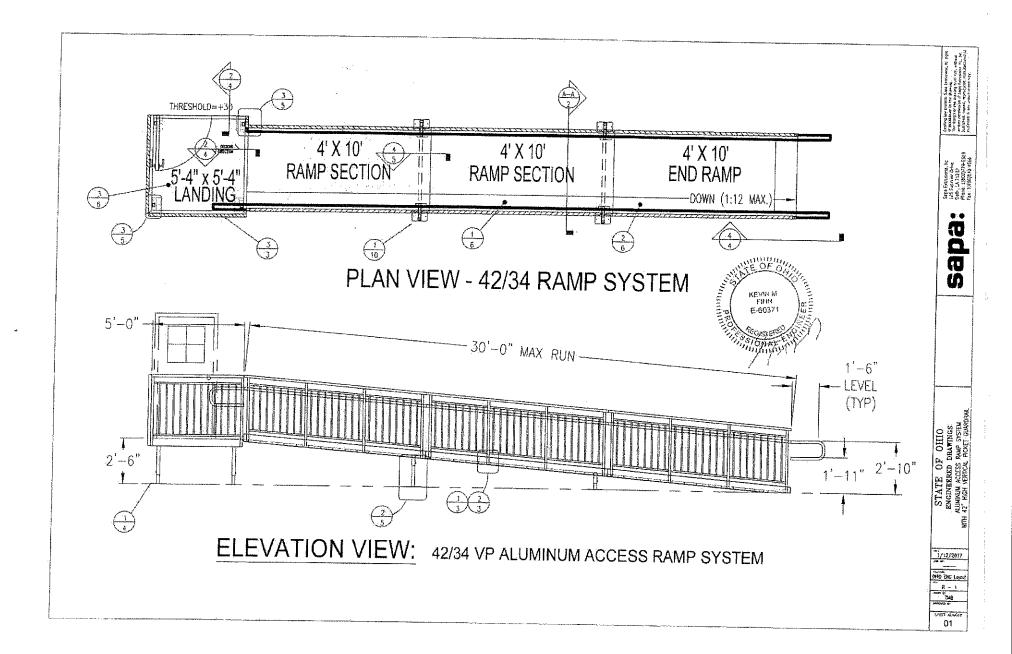


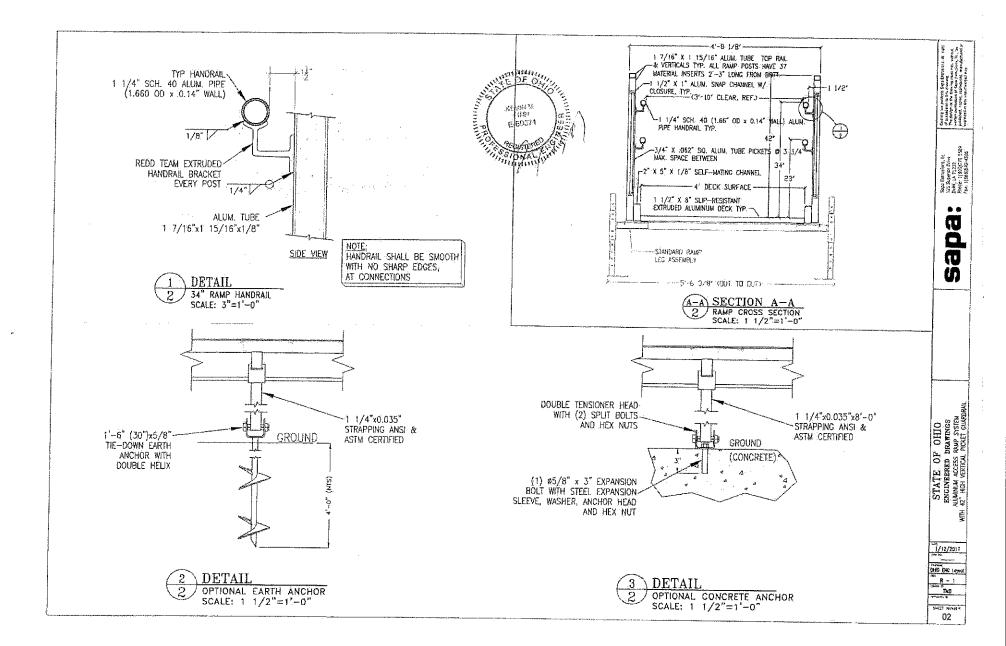
MAXIMUM SPACING

15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.

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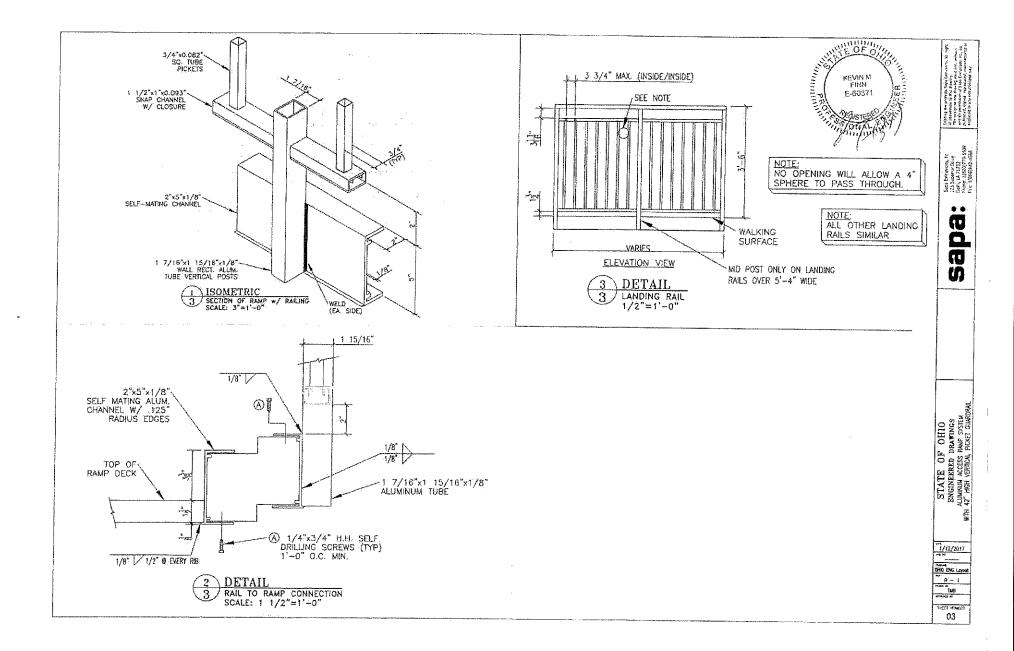
COVER

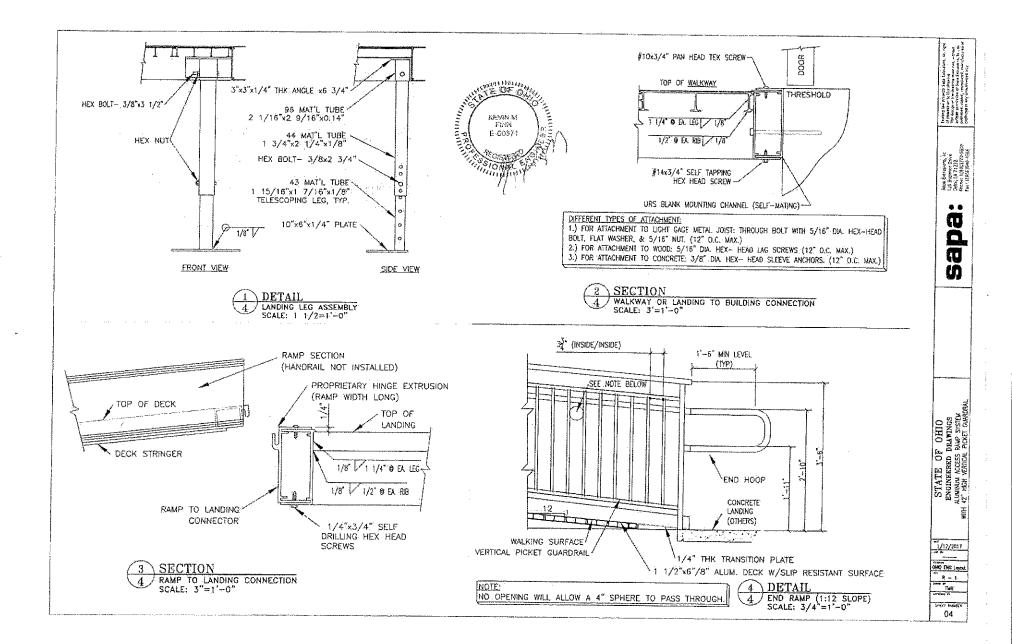


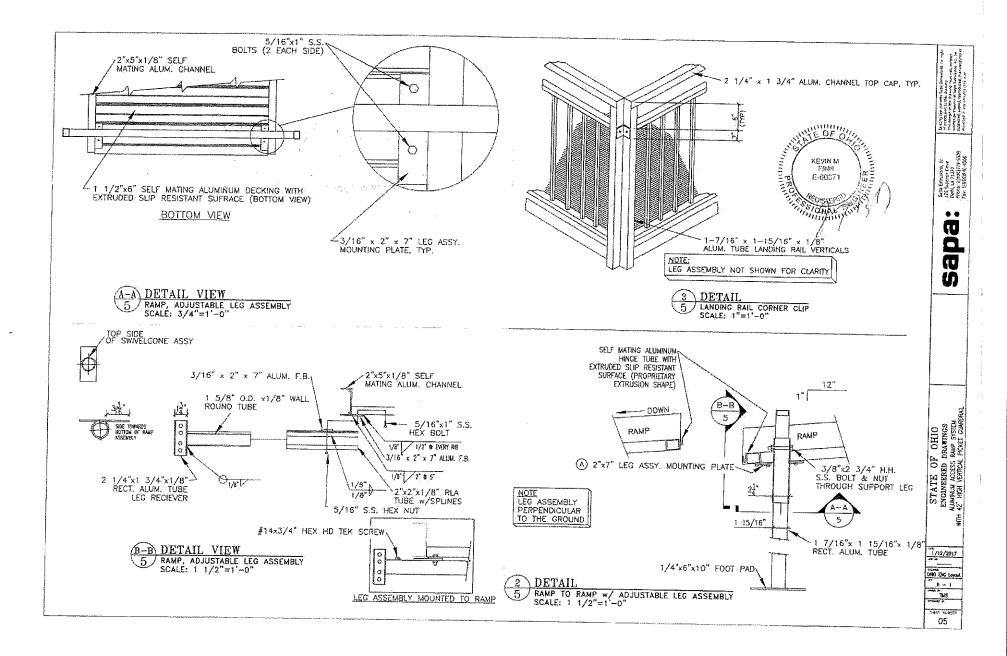


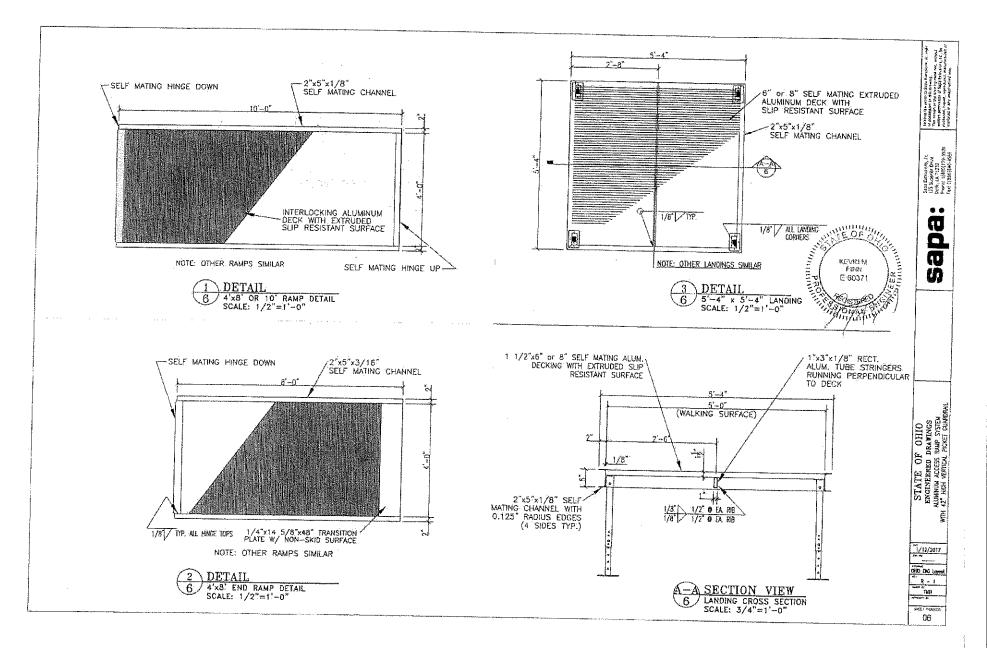
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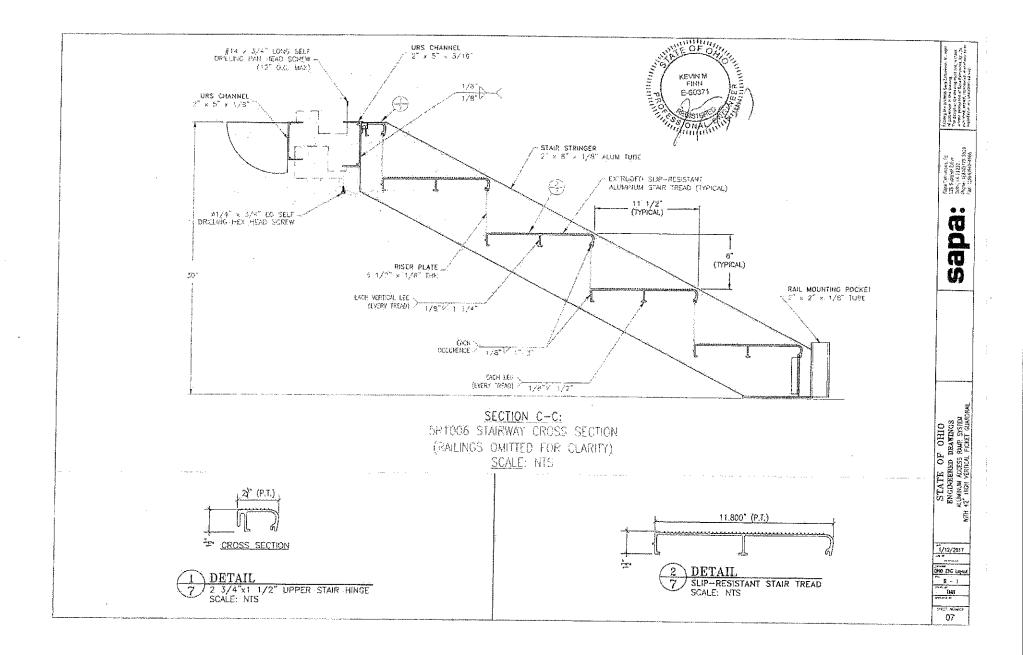
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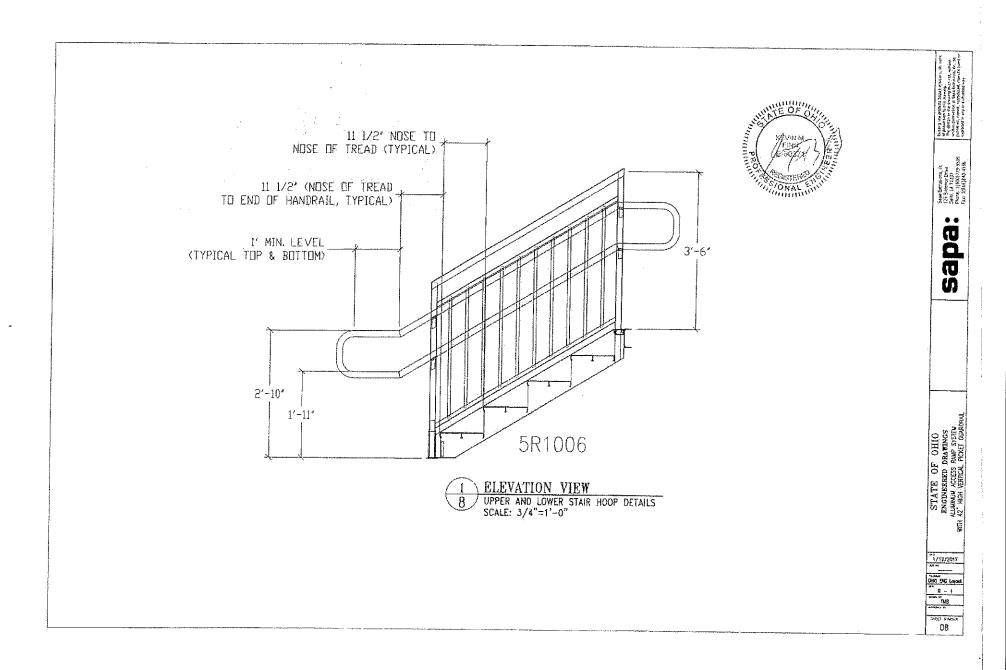


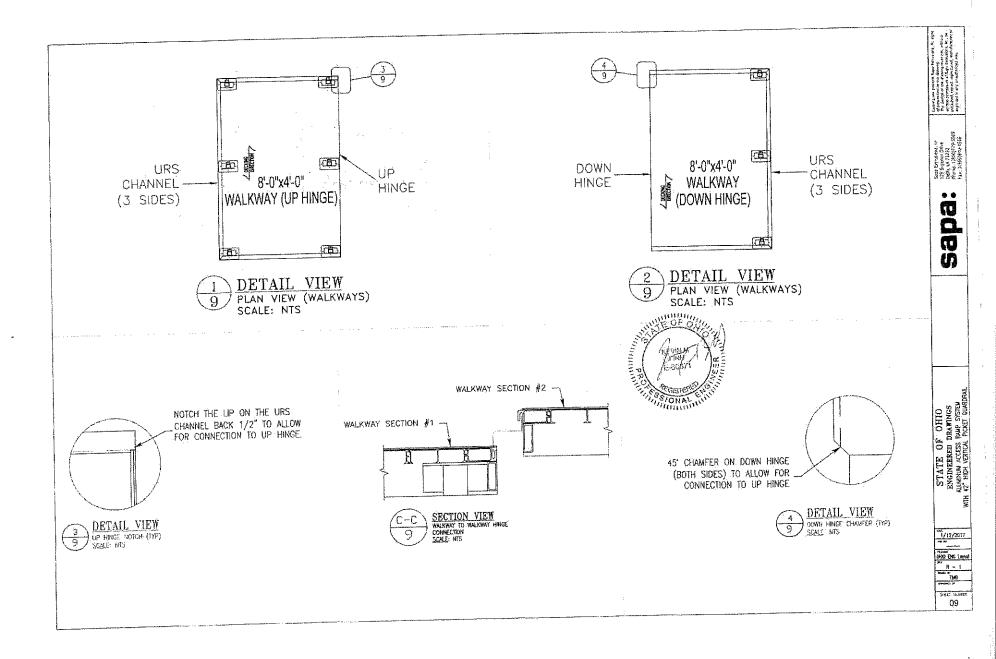






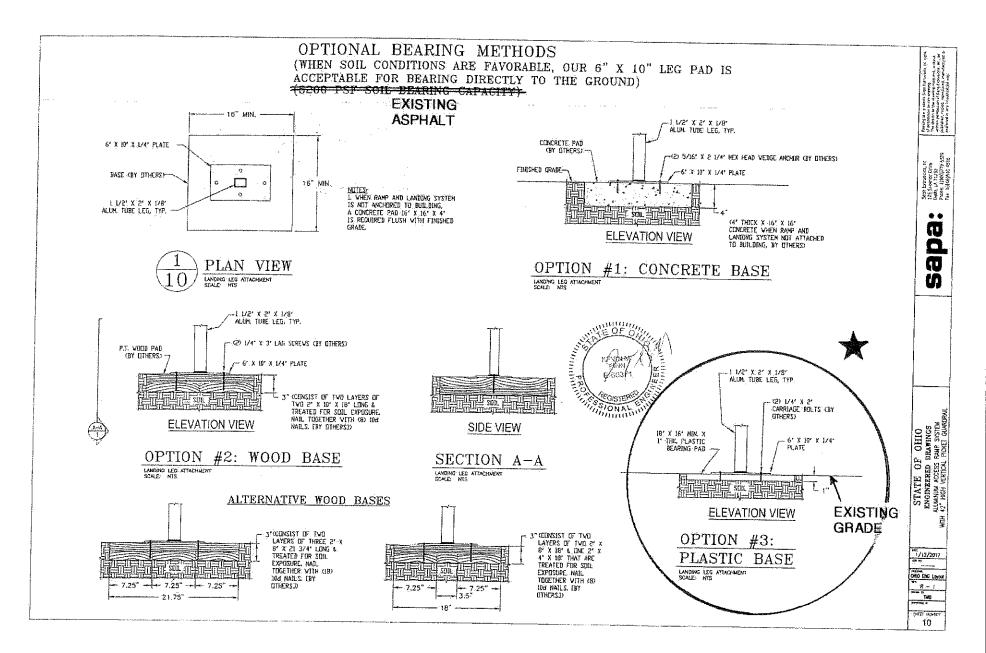






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STATE OF OHIO ENGINEERED DRAWINGS

- BY: Sapa Extrusions, Ilc. (REDD Team)
 - DELHI, LA
 - 1-800-779-5509
- RE: URS RAMP SYSTEMS WITH 42/34 VERTICAL PICKET RAILS

TABLE OF CONTENTS FOR A 42" VERTICAL PICKET RAMP & LANDING SYSTEM

PAGE CONTENTS	DATE	PAGE
COVER SHEET & NOTES	1-11-17	COVER
PLAN VIEW OF RAMP SYSTEMS	1-11-17	1-1A
RAMP DETAILS	1-11-17	2-6
STAIR CROSS SECTION/DETAILS	1-11-17	7-8
WALKWAY DETAILS	1-11-17	9
LEG CONNECTION DETAIL	1-11-17	1.0

	2017 OH BUILDING-CODE WIND SPEED - 115 MPH, EXP. C
	WIND SPEED - 115 MPH, EXP. C
1	SEISMIC DESIGN CATEGORY - C
I	MINIMUM TIE-DOWN RATED AT 400LBS
l	ALONG RIM RAIL SPACED 10' O.C.
	MAXIMUM SPACING

GENERAL NOTES:

- 1 ALUMINUM RAMP, LANDING AND STAIR SECTIONS SHALL BE A RIGID, FREE-SPAN DESIGN 2 DESIGN OF THE ALUMINUM STRUCTURES SHALL CONFORM TO THE 2005 EDITION OF THE ALUMINUM ASSOCIATION <u>SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.</u>
- 3 ALL ALUMINUM CONSTRUCTION USING 6000 SERIES ALUMINUM ALLOYS, STRUCTURAL MEMBERS TO BE

Kevin M. Fim, P.E., Inc. 1716 Elkhart Rd., Sirite 1 Goshen, IN 46526 OH PE Lic. # 60371 OH Firm Registration # 04293

sapa

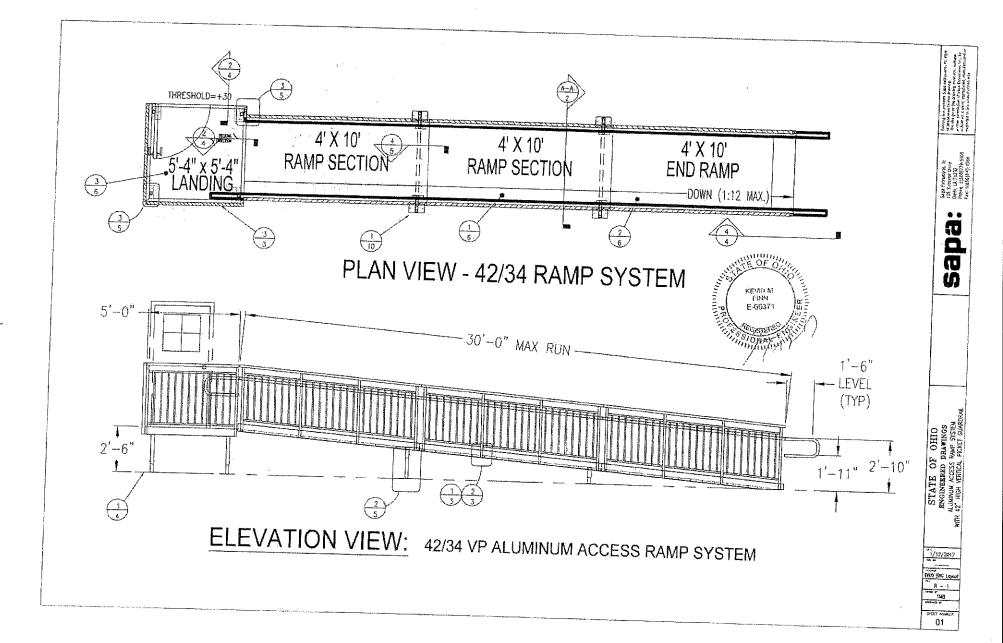
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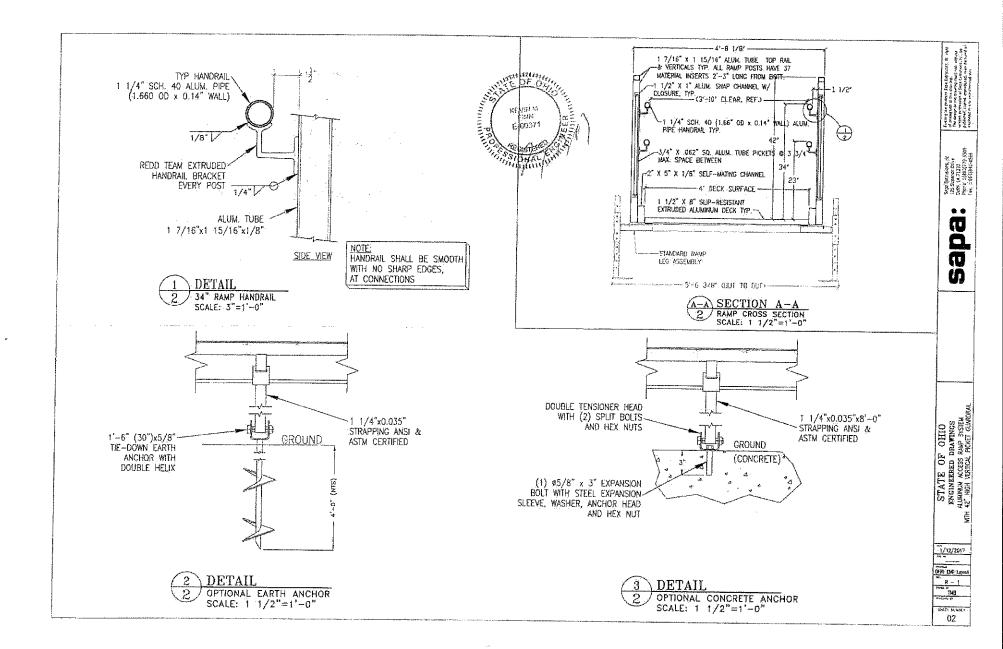
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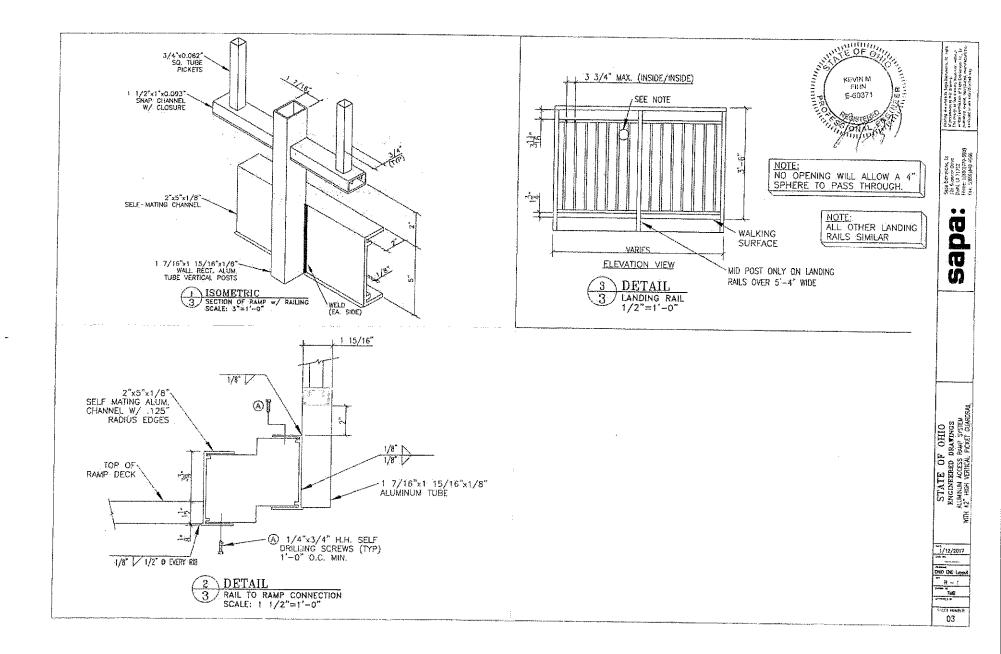
COVER

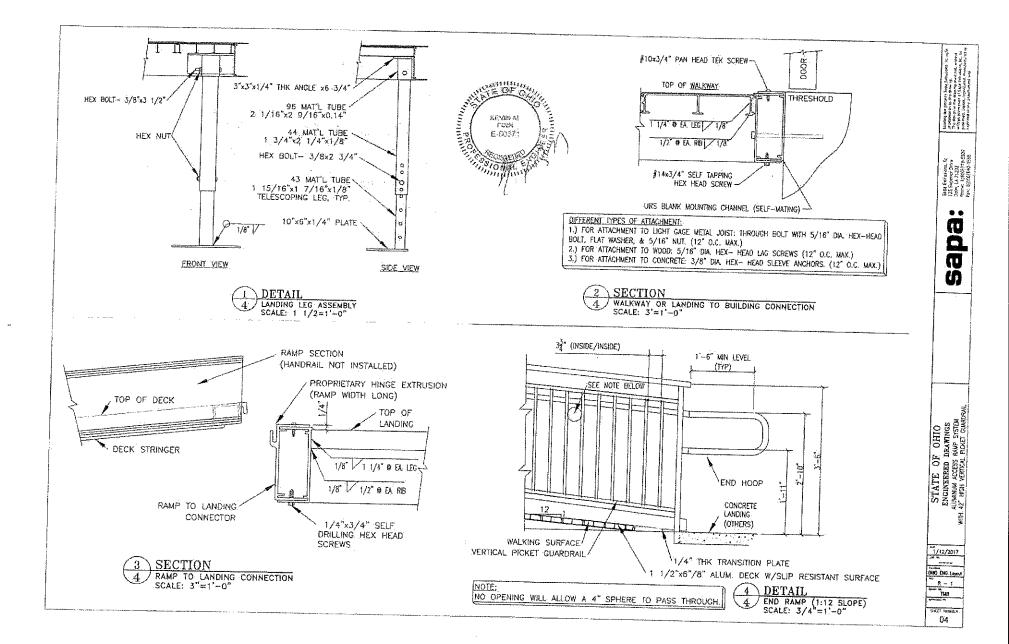
- 5061-T6, 5063-T6 AND 5005-T5 ALUMINUM ALLOY, 4 ALUMINUM WILL BE STANDARD MILL, FINISH UNLESS OTHERWISE NOTED.
- 5 WELDING SHALL BE IN ACCORDANCE WITH ANSWAWS D12/D1.2M-2014 GAS METAL ARC WELDING (GMAW) PROCESS BY EXPERIENCED OPERATORS
- 6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED
- 7. LANDING, RAMP AND STAIR SECTIONS ARE TO BE ENGINEERED FOR A 100 PSF LIVE LOAD 8. LANDING AND RAMP WALKING SURFACES SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 12" X 12" AREA. STAIR TREADS SHALL BE DESIGNED TO WITHSTAND A MINIMUM CONCENTRATED LOAD OF 300 LBS OVER A 4 SQUARE INCH AREA.
- RAMP AND LANDING GUARDRAILS TO BE 42 INCH MINIMUM HEIGHT LINLESS OTHERWISE SPECIFIED.
 HANDRAIL ASSEMBLIES AND GUARDRAILS SHALL BE DESIGNED TO RESIST A LOAD OF 50 PLF APPLIED IN ANY DIRECTION AT THE TOP OF THE RAIL.
- 11 HANDRAIL ASSEMBLIES AND GUARDRAILS SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 200 LBS, APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP OF THE RAIL. THIS LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH THE LOADS SPECIFIED IN THE PRECEDING PARAGRAPH. 12. INTERMEDIATE RAILS (ALL THOSE EXCEPT HANDRAILS), BALUSTERS AND PANEL FILLERS SHALL BE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF SO LBS ON AN AREA EQUAL TO 1 SQUARE FOOT, INCLUDING OPENINGS AND SPACE BETWEEN RAILS.
- 13. GUARDRAIL SYSTEMS SHALL BE DESIGNED SO THAT A 4 (FOUR) INCH SPHERE CANNOT PASS THROUGH ANY OPENING.
- 14. DECK SURFACE SHALL BE A SLIP RESISTANT, EXTRUDED ALUMINUM DECKING WITH A TRIPLE I-BEAM. SELF-MATING DESIGN.
- 15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.



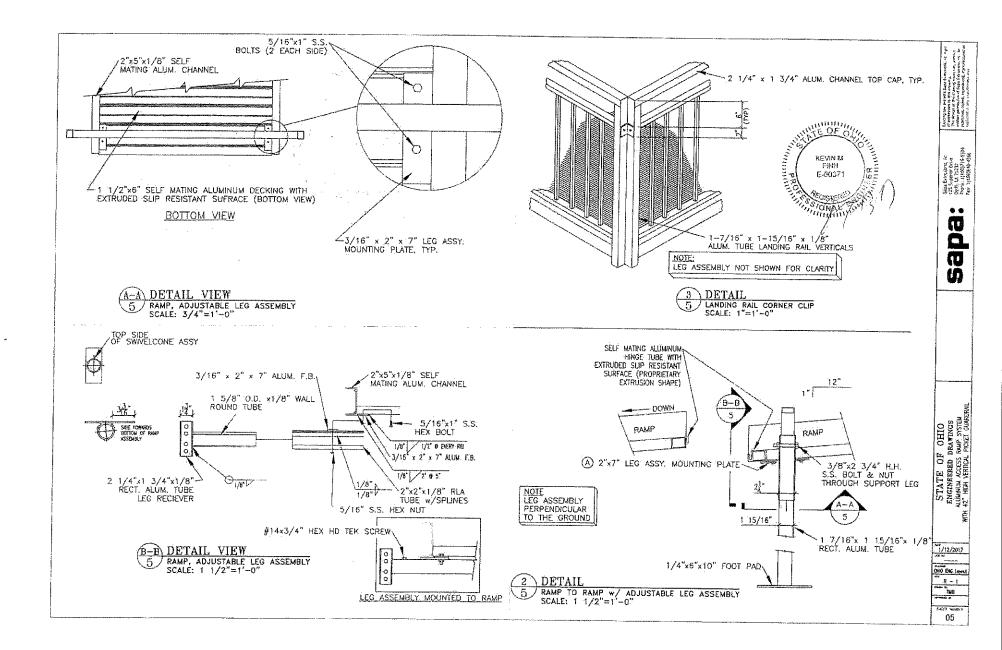


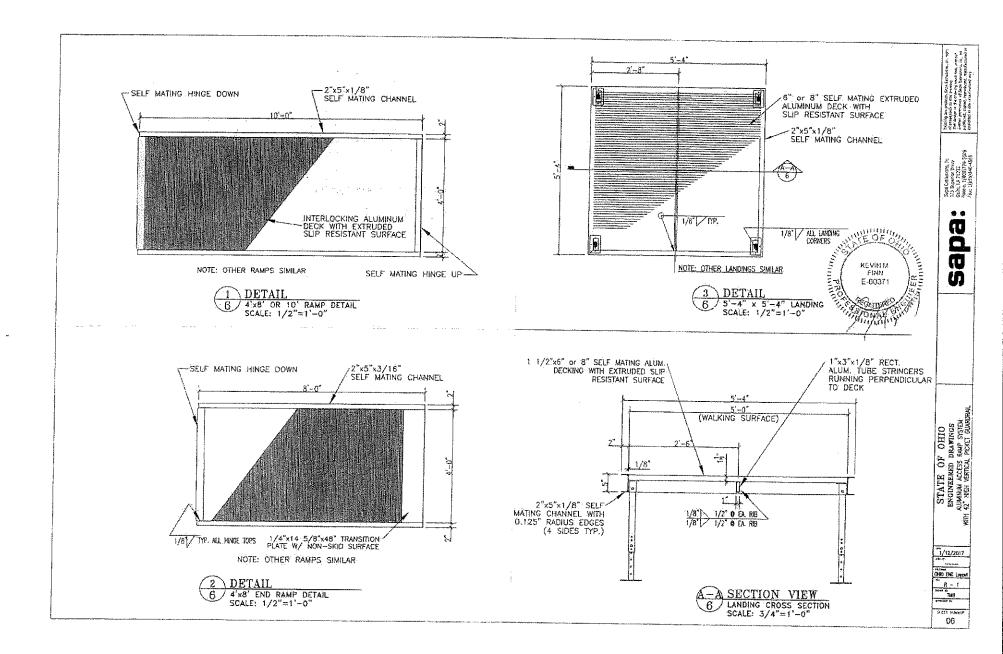
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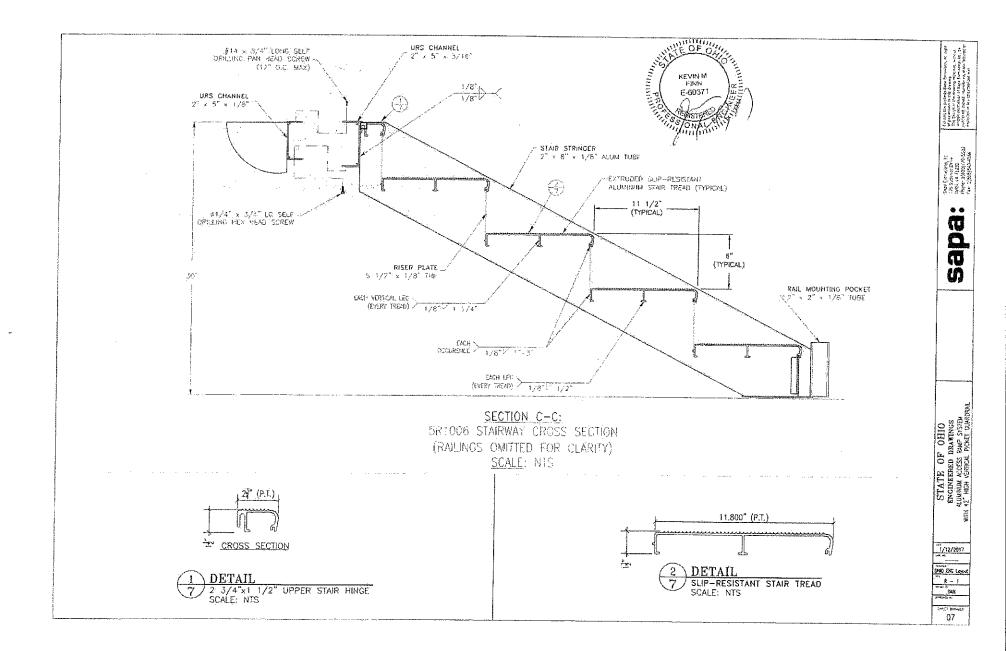




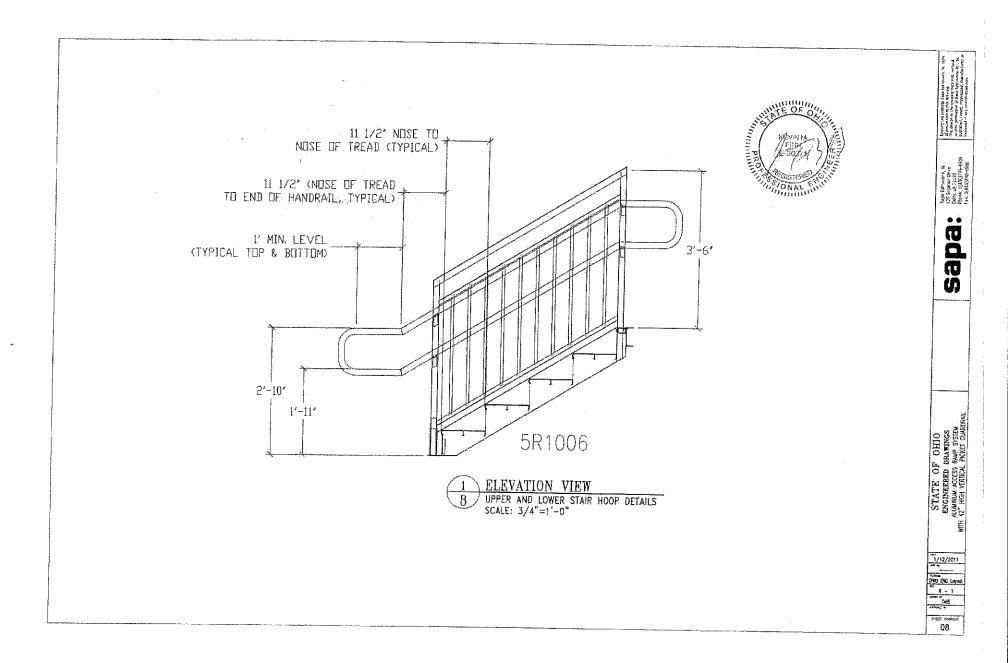
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Soil Classification and Bearing Capacity

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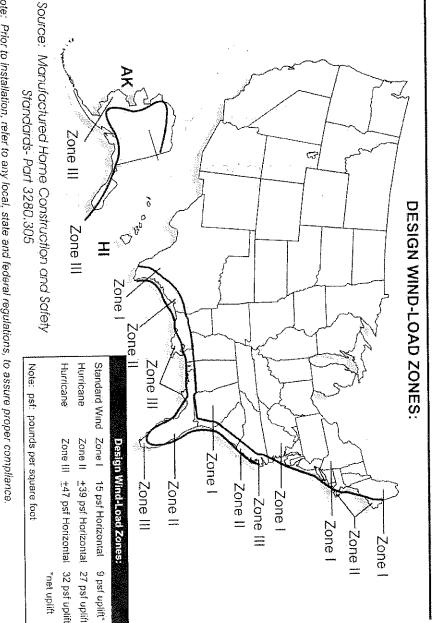
TABLE TO \$ 3285.202

Soil	Soli classification				
Classifica- tion number	ASTM D 2487-00 or D 2488-00 (incorporated by ref- erence, see § 3285.4)	Sell description	Allowable soil bear- ing pressure (pst) !	Blow count ASTM D 1586-99	Torque probe ³ (inch-pounds)-
2	2 GW, GP, SW. SP, GM SM	Rock or hard pan Sandy gravel and gravel, very than dense and/or cemented sands: course gravel	44000+	40 ₊	More man 550.
3	GC, SC, ML, CL	cobblas; proloadad silts, clays and coral, Sand; silty sand; clayey sand; silty gravet; medium dense course sands; sandy	1500	24-39	24-39 351-550
4Λ	CG MH2	gravel; and very still sill, sand clays, Loose to modium dense sinds; firm to	1000	18-23	18-23 276-350.
D			1000	12-17	12-17 175-275.
5	OL OH PT	6 OL OH PT Uncompacted till, peat: organic clays Refer to 3285.202(e)	Reter to 3285.202(e)	0-11	0-11 Loss than 175.

The values provided in this table have not been adjusted for overburden pressure, embedment depth, water table height, or settlement prob-

lens
2 For soils classified as CH or MH, without other torque probe values or blow count test results, selected anchors must be rated for a 48 soil 3 The forque test probe is a device for measuring the forque value of soils to assist in evaluating the holding capacity of the soil in which the ground anchor is placed. The shaft must be of subable length for the full depth of the ground anchor.
4 The forque value is a measure of the load resistance provided by the soil when subject to the full depth of the furning or twisting force of the probe.
(f) If soil appears to be composed of peat, organic clays, or uncompacted fill, or appears to have unusual conditions, a registered professional geologist, registered professional engineer, or registered architect must determine the soil classification and maximum soil bearing capacity.

Source: Manufactured Home Construction and Safety Standards - Part 3285.202



Note: Prior to installation, refer to any local, state and federal regulations, to assure proper compliance Soil test probe the anchor location in order to match the soil classification with the proper anchor.

Soil Classification Chart for Minute Man Anchors

-

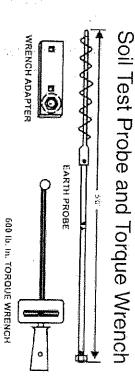
Gi		48	4A		٤			N			Soil Class
Less Than 175 Inch Pounds	Inch Pounds	175 TO 275	276 to 350 Inch Pounds		Inch Pounds	351 to 550		Pounds Up	551 Inch	NA	Torque Probe Values
Call Minute Man Anchors 800-438-7277	17 ⁿ Stabilizer Plate	760 DH 860 DH 1060 DH	4636 DH 4450 DH 650 DH 4636 EZDH 12" Stabilizer Plate 17" Stabilizer Plate	12" Stabilizer Plate Nu-Concept Stabilizer Cap	4430 EZDH 4636 EZDH 636 EZDH GW-2	4430 DH 4636 DH 636 DH 4450 DH	12" Stabilizer Plate Nu-Concept Stabilizer Cap	4430 EZDH 4636 EZDH 636 EZDH GW-2	4430 DH 4636 DH 636 DH 4450 DH	Cross Drive or Rock Anchor	Recommended Minute Man Anchors & Stabilizers

Note:

Check local regulations before installation. Each state, county, municipality may require a specific anchor from the groups shown for each soil classification

soil classification. Test soil with soil probe and torque wrench at the anchor location in order to match the proper anchor with soil

resist lateral loads. A stabilizer plate or certified stabilizing device must be used with DH anchors when the anchors are used to



Warning: Before ground anchor installation or probing, determine that the anchor or probe locations around the home will not be close to any underground utilities. Failure to determine the location of electrical lines may result in serious personal injury.

____ Instructions

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- Place tip of probe into ground where the anchor is to be located. Using a 15/16" hex socket with a
- ratchet, breaker bar, or electric drive machine, turn soil probe in a clockwise direction. Rotate probe into the soil to a depth equal to the length of the recommended anchor to be installed. To determine the soil classification;
- a) Place wrench adapter onto torque wrench.b) Insert hex portion of wrench adapter onto the top of the probe.
- 0 Support probe shaft with one hand while turning the probe steadily with the torque wrench. Do not exceed 600 inch pounds when turning!
- d) Read torque value while turning torque wrench and probe clockwise.
 e) Use Minute Man Anchors' Soil Classification Chart to cross reference probe readings and match the anchor model with the proper soil class at the site

Following is a list of Minute-Man Anchors with an allowable working load equal to or exceeding 3,150 lbs. and are capable of withstanding a 50% overload (4,725 lbs. total). Stabilizer devices must be used with anchors when anchors are used to resist horizontal forces. HUD Part 3280.506(f)



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		. <u> </u>							*						hor
2822	2691 2820	2200 2202 2211	1322	1450 1445	2390 2391	1592 1593 1594 1596	1284	1346	1287 1288 1291	1349 1350 1390	1241 1271	113	1071 1101	ITEM #	zontal for
MMA-33 MMA-71 MMA-71-C	MMA-29 MMA-31 MMA-34	MMA-SD2A MMA-SD2 N C1	MMA	MMA-14 MMA-42	MMA-18 MMA-18	MMA-92 MMA-93 MMA-94 MMA-96	MMA-55	MMA-52	MMA-86 MMA-71 MMA-75	MMA-35 MMA-8 MMA-BR	MMA-30 MMA-6	MMA-28	MMA-2 MMA-4	MARK	horizontal forces. HUD Part 3280,506(f)
FCII (LOCKING) CT/WS CT/WS	FCIIW/S FRAME TIE FRAME TIE BUC/WS		G W2	210-PDH 210-JDH	THDH THDHLS	4430-EZDH 3/4 4636-EZDH 3/4 636-EZDH 3/4 650-EZDH 3/4	4450-DH 3/4	4636-DH 3/4	860-DH 3 /4 1060-DH 3/4 760-DH 3/4	36-XDH 48-XDH 24 BA	4430-DH 5/8 4430-DH 3/4	636-DH 3/4	650-DH 5/8" 650-DH 3/4	MODEL	3280,506(f)
LOCKING FRAME CLAMP II CORNER TIE W/STRAP CORNER TIE W/STRAP CORNER TIE W/ REG. STRAP STRAP BOLT & NUT	FRAME CLAMP II W/STRAP LONGITUDINAL FRAME TIE-8 BOLT LONGITUDINAL FRAME TIE-4 BOLT BUCKLE W/STRAP	STABILIZER- 12" STABILIZER- 17" NU CONCEPT STABILIZER CAP	G W 2 SOIL ANCHOR	WET CONCRETE ANCHOR SWIVEL HEAD WET CONCRETE	DOUBLE HEAD TENSION DEVICE DH TENSION DEVICE W/LAG	DOUBLE 4" DISC, 30" EZ ANCHOR 4" DISC, 6" DISC, 36" EZ ANCHOR 6" DISC, 36" EZ ANCHOR 6" DISC, 50" EZ ANCHOR	DOUBLE 4" DISC, 50" ANCHOR	4" & 6" DISC, 36" ANCHOR	8" DISC, 60" ANCHOR 10" DISC, 60" ANCHOR 7" DISC, 60" ANCHOR	36" CROSS DRIVE ANCHOR 48" CROSS DRIVE ANCHOR BARB ROCK ANCHOR	DOUBLE 4" DISC, 30" ANCHOR DOUBLE 4" DISC, 30" ANCHOR	6" DISC, 36" ANCHOR	6" DISC, 50" ANCHOR 6" DISC, 50" ANCHOR	DESCRIPTION	
	FLA.	2,3,4(a) FLA. 2,3,4(a),4(b) 2,3	2,3	SLAB SLAB	SLAB SLAB	ຸຸຸຸຸ ຊຸ ຊຸ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ ຊ	2,3,4(a)	2,3,4(a)	4(b) (Fla.) 4(b) 2,3,4(a),4(b)	هت تہ ہے	2,3 2,3	2,3	2,3,4(a) 2,3,4(a)	USE IN SOIL TYPE	1344
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Revised 03/20/13

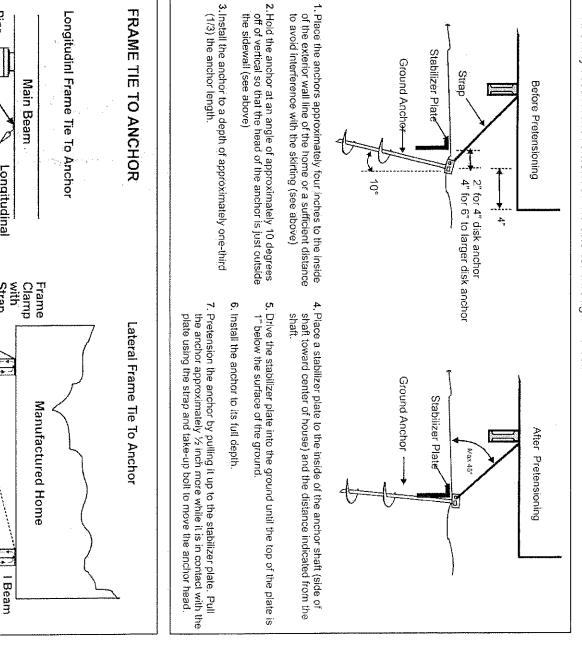
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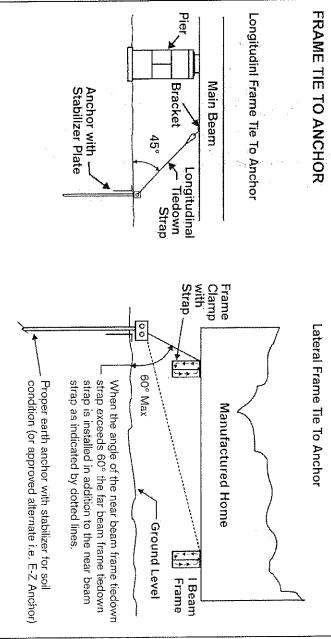
MINUTE MAN ANCHORS, INC.

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INSTRUCTION FOR USING MINUTE MAN STABILIZING DEVICE

Minute Man stabilizing devices are designed for use with Minute Man anchors and intended to laterally restrict movement of the anchor through the soil.





FRAME TIE INSTALLATION INSTRUCTIONS

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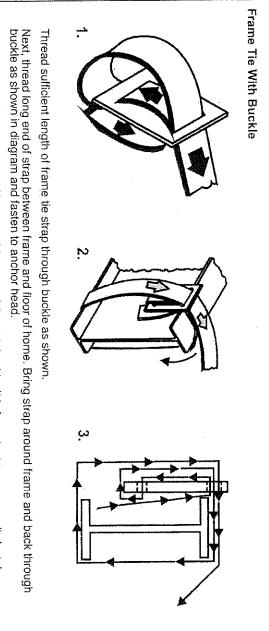
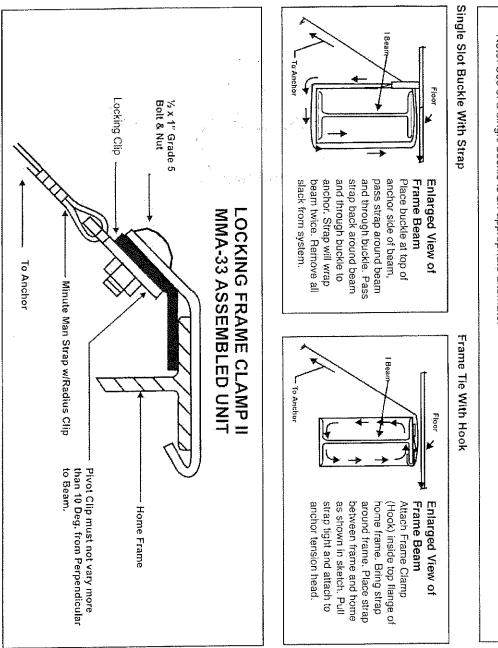
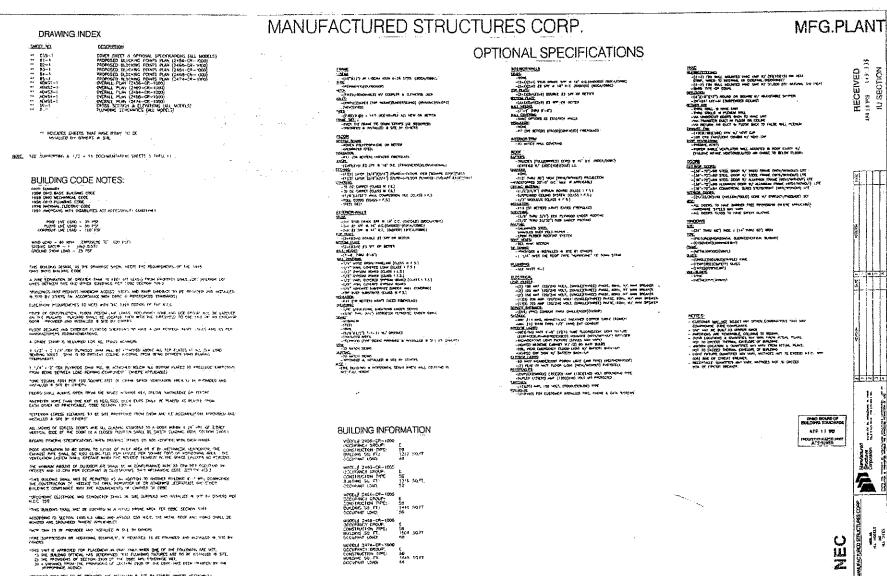


Diagram showing strap in position around frame and through buckle. It is important to remove all slack from system.

Note: Use of a single buckle is an appropriate alternate





-DOMENT REPORTS TO BE PROVIDED ING DESCRIPTION AT THE OF PERMIT APPENDING I

0+0 40+042410H 2+10+2+10-01 ADDRESS AND BATA PLATE TRALE OF LOCALS! IN TRUCK OF LECTRON STREET PART WALL UP STANDS OF FRANCE FIXORS, MALE FOUND -

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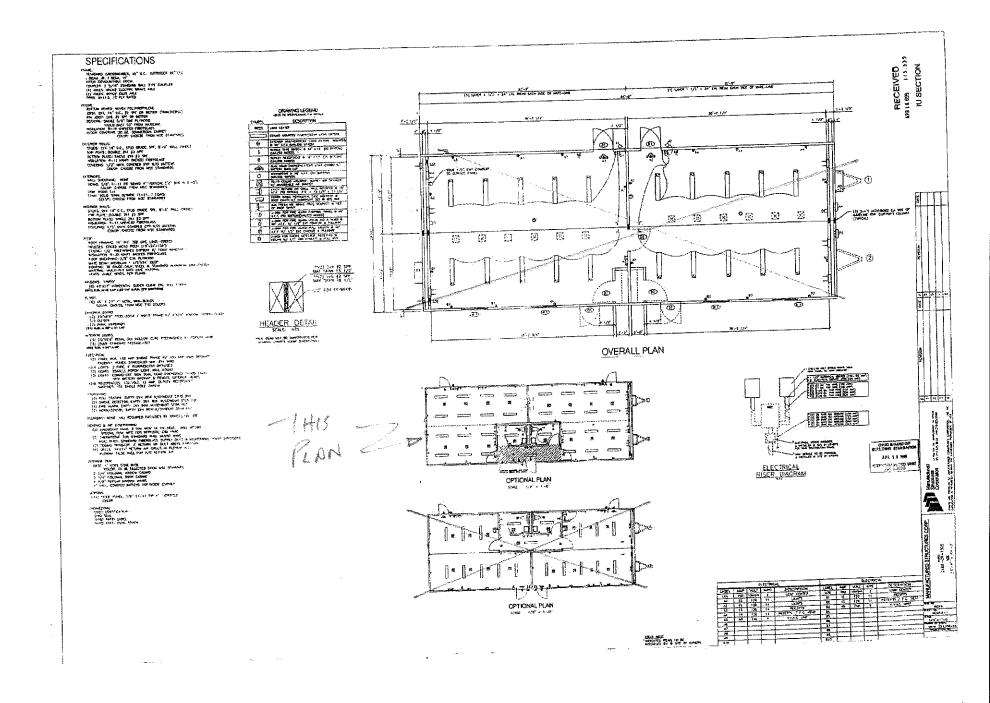
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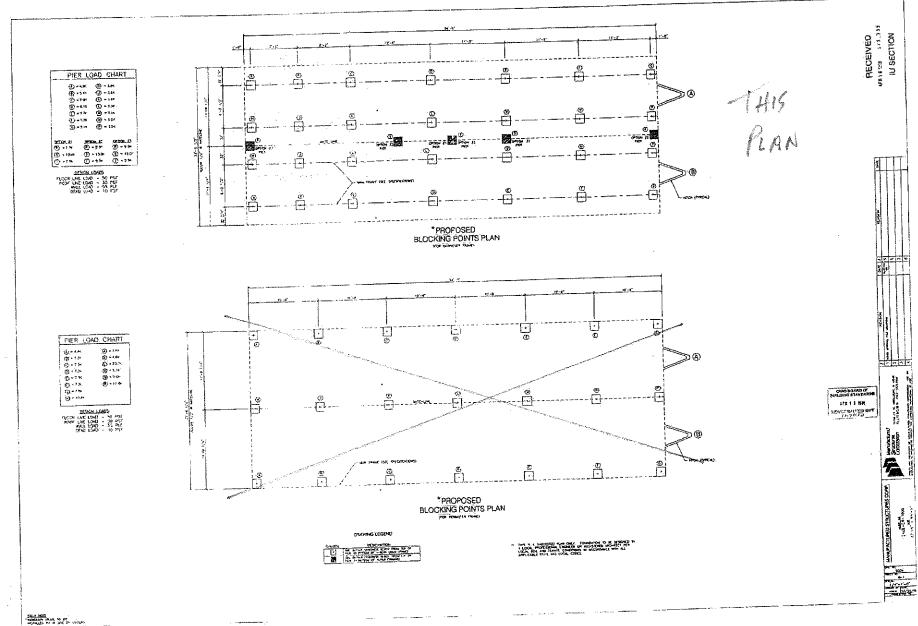
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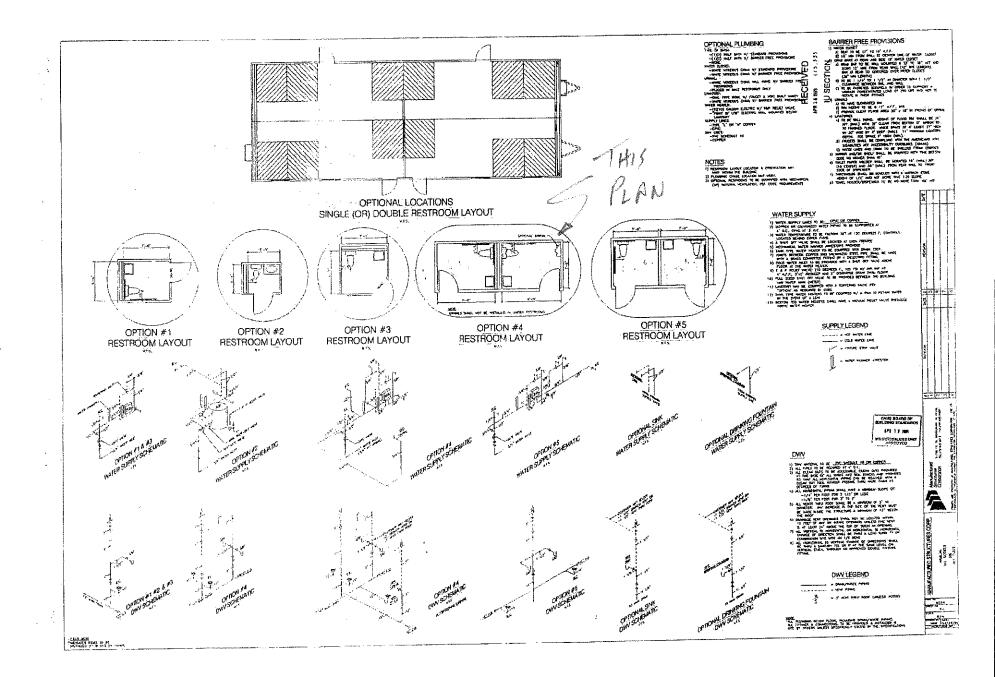
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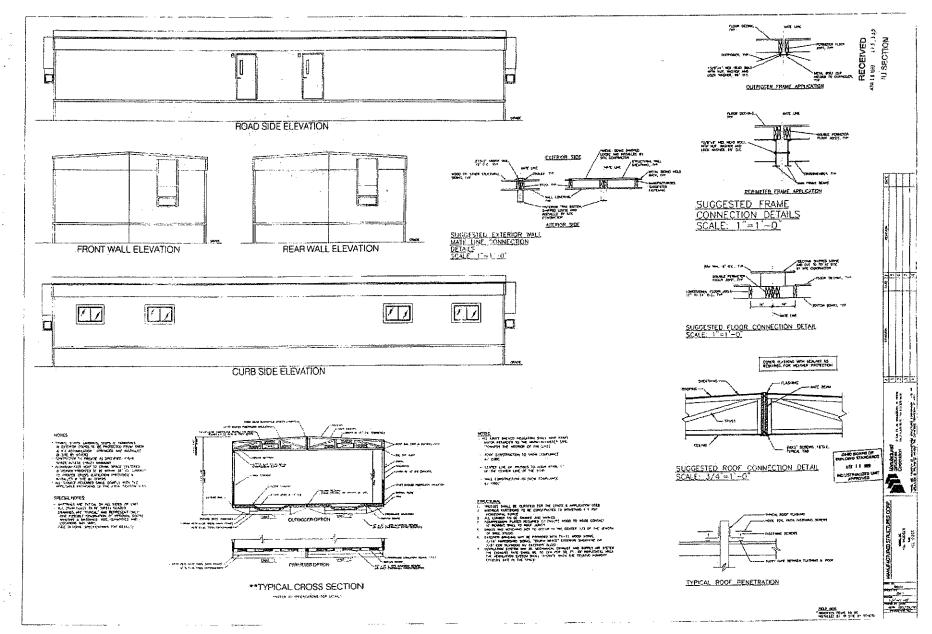
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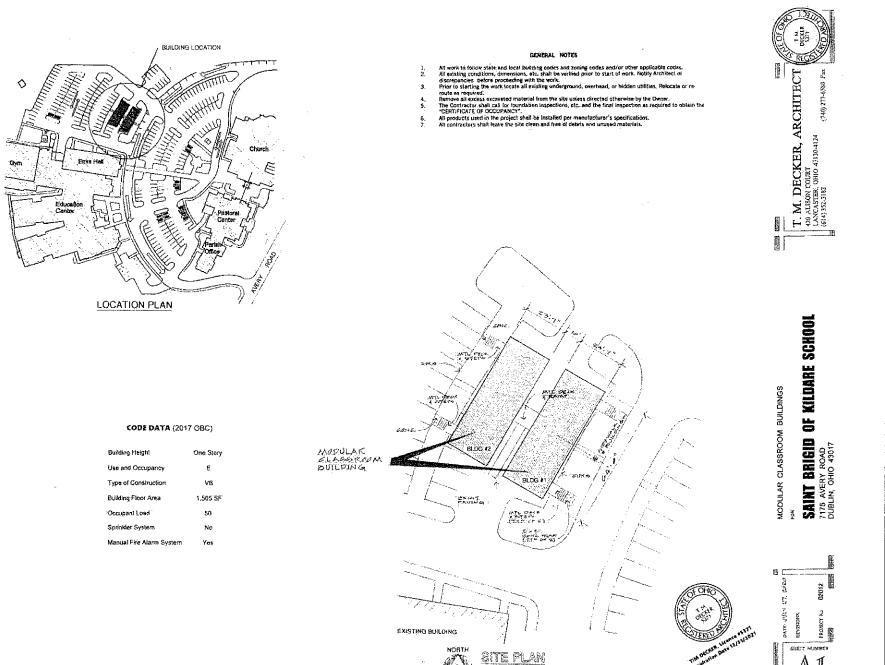




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SCALE: 1" = 20' - 0"



KILDARE SCHOOL MODULAR CLASSROOM BUILDINGS OF | SAINT BRIGID (7175 AVERY ROAD DUBLIN, OHIO 43017 44 Ŕ

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DESIGN LOADS (zip code ~ 43017) FLOOR LIVE LOADS: CORRECTING ALLOWARCE CORRECTING ALLOWARCE RODE LIVE LOADS GROUND SHOW LOAD FLAT ROOF SHOW LOAD FLAT ROOF SHOW LOAD FLAT ROOF SHOW LOAD SHOW EXPOSIBLE FACTOR IMPORTANCE FACTOR MINIOR SHOW LOAD SHOW EXPOSIBLE FACTOR MINIOR SHOW TO SPEED WIND SHOP CALL OF A CORRECT EXPOSUBE CATEGORY MITERNAL PRESSURE COEFFICIENT DECKRAMP LIVE LOAD 50 PSF 80/100 PSF 40 PSF 20 PSF 20 PSF 20 PSF 20 PSF 1.0 1.0 1.0 115 MPH 1.0 EXPOSURE B +/-0.18 100 PSF 50 PSF (uniform) 2009 (concentrated) 23-1 11: MA 11' 4'<u>\$</u> " 11- a/2" u' a'. SEISMIC DESIGN DATA: SEISMIC USE GROUP SEISMIC IMPORTANCE FACTOR 10 75 /2 H 0 3% 6:3:2 5 75 I 1.0 150 059 D 158 .094 ISE SHEAR PARELS 7.4 KIPS EQUIVALENT ATERAL FORCE 8:0% 17:014 12.02 7 8 % SITE CLASS Sdy Sd1 SEISMIC DESIGN CATEGORY SEISMIC FORCE RESISTANCE SYSTEM -- (<u>111</u>), 同时 φi - 1 ų. 1.22 DESIGN BASE SHEAR RESPONSE MODIFICATION FACTOR ANALYSIS PROCEDURE ٦. 1410 머니니 ≘ Ē £171 icu) 13 **P**.... ĽĽ -----ATL DECK ~ YEL PERK 24 x 24 Parts NTL DECK. <u>ا</u>ط ٌ \mathbf{O} ------THE GROUNDS THE GROUNDS THE STORE MUTULAK \Box Ξı tan) 0 Γ. T 023 R DECEMBER STRAT AL INT SHIM M 4KIGTING - de la companya de l <u>___</u> MINL A" MALS IS HAM. Πh. أستخسب -----24 124 - 174 1885-10 BLACK PAC 152125 GODS-OH "4 MINUTE MAN AUGER ADANAK W/ MTABLITER PLATE ATE BECK ATT PRIM CT. <u>1775</u> C CHUN STO <u>E</u>1 -Em £ Ł لاث 行りた A PIER / TIE DOWN DETAIL المتعلقي المتعادية SCALE: 1/2" # 1'+0" ____ 10 크나 Ξ BLDG #2 BLDG #1

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

ALADA