PORTAGE - NORTHERN HIGH SCHOOL -STORAGE BARNS

PORTAGE PUBLIC SCHOOLS Portage, Michigan **CONSTRUCTION DOCUMENTS**

DESIGN TEAM ARCHITECT/ENGINEER **TowerPinkster** Architecture · Engineering · Interiors

CIVIL CONSULTANT

242 E. KALAMAZOO AVE, SUITE 100 KALAMAZOO, MICHIGAN 49007 PHONE: 269.343.6133 FAX: 269.343.6633

4 EAST FULTON STREET, SUITE 200 **GRAND RAPIDS, MICHIGAN 49503** PHONE: 616.456.9944 FAX: 616.456.5936

5725 VENTURE PARK DRIVE, SUITE A KALAMAZOO, MI 49009 PHONE: 269.250.5991

2015 MICHIGAN BUILDING CODE AND 2012 NFPA 101 LIFE SAFETY CODE BUILDING: **ENERGY**: 2015 MICHIGAN ENERGY CODE **PLUMBING:** 2015 MICHIGAN PLUMBING CODE **MECHANICAL** 2015 MICHIGAN MECHANICAL CODE FUEL GAS: (IFGC) 2015 INTERNATIONAL FUEL **ELECTRICAL** 2017 NATIONAL ELECTRICAL CODE WITH MICHIGAN AMENDMENTS BARRIER-FREI 2015 MICHIGAN BUILDING CODE AND 2009 ICC & C A117.1 **USE GROUP:** S-1 CONSTRUCTION TYPE: TYPE VB AUTOMATIC SPRINKLERS: NON SPRINKLED



PORTAGE PUBLIC SCHOOLS 1000 IDAHO AVE PORTAGE, MI 49024

REFERENCED CODES

PROJECT AREA

STORAGE BARN A STORAGE BARN B

2,048 SQ. FT. 1,280 SQ. FT.

DRAWING INDEX

GENERAL

- G 001 COVER SHEET
- GA 101 FIRST FLOOR CODE COMPLIANCE PLAN BARN A, TYPICAL SYMBOLS ANI **GENERAL NOTES**
- GB 101 FIRST FLOOR CODE COMPLIANCE PLAN BARN B

CIVIL - STORAGE BARN A CA 100 SITE PLAN

CIVIL - STORAGE BARN B CB 100 SITE PLAN

ARCHITECTURAL - STORAGE BARN A

AA 100 FOUNDATION AND FRAMING PLAN

- AA 101 FIRST FLOOR PLAN, ROOF FRAMING PLAN AND DOOR SCHEDULE AA 301 EXTERIOR ELEVATIONS, BUILDING SECTIONS, 3D VIEW AND WALL
- SECTIONS

ARCHITECTURAL - STORAGE BARN B

- AB 100 FOUNDATION AND FRAMING PLAN
- AB 101 FIRST FLOOR PLAN, ROOF FRAMING PLAN AND DOOR SCHEDULE
- AB 301 EXTERIOR ELEVATIONS, BUILDING SECTIONS, AND 3D VIEW

ELECTRICAL

- EA 101 STORAGE BARN A ELECTRICAL PLAN
- EB 101 STORAGE BARN A ELECTRICAL PLAN

ISSUED FOR

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OWNER PORTAGE SCHOOLS

DATE

PROJECT TITLE PORTAGE - NORTHERN HIGH SCHOOL - STORAGE BARNS
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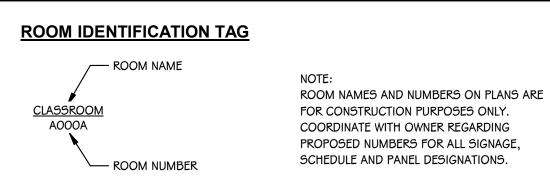
TowerPinkster Architecture · Engineering · Interiors



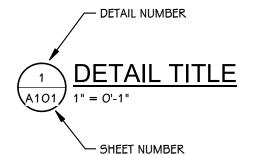
Portage, Michigan

G 001 20-200.00

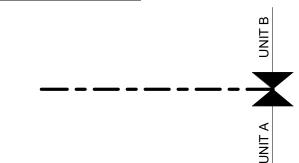




DETAIL TITLE

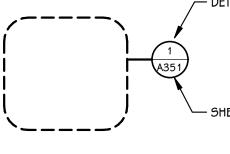


UNIT MATCHLINES



TYPICAL NOTATION SYMBOLS

CALLOUT REFERENCE BUBBLE



- DETAIL NUMBER - SHEET NUMBER

EXTERIOR ELEVATION REFERENCE BUBBLE

INTERIOR ELEVATION REFERENCE BUBBLE

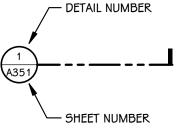
- ELEVATION LETTER

- SHEET NUMBER

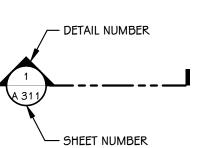
- ELEVATION NUMBER

- SHEET NUMBER

DETAIL REFERENCE BUBBLE



BUILDING SECTION REFERENCE BUBBLE



ELEVATION AND SECTION REFERENCE TOOLS ELEVATION TAG - EXISTING

FINISH FLOOR ELEVATION 100'-0"

100'-0"

ELEVATION TAG - NEW

FINISH FLOOR ELEVATION 100'-0"

100'-0"

WORKING POINT LAYOUT TAG

100'-0" : 100'-0"

- DISTANCE IN THE "Y" DIRECTION FROM THE "X" BASE LINE

— DISTANCE IN THE "X" DIRECTION FROM THE "Y" BASE LINE

ELEVATION TAG FOR EXTERIOR ELEVATIONS

ELEVATION TAG FOR FLOOR PLANS AND

ELEVATION TAG FOR EXTERIOR ELEVATIONS

ELEVATION TAG FOR FLOOR PLANS AND

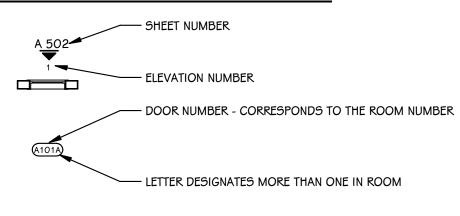
AND BUILDING SECTIONS

REFLECTED CEILING PLANS

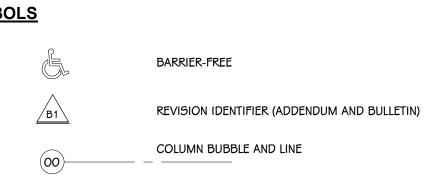
AND BUILDING SECTIONS

REFLECTED CEILING PLANS

BORROWED LIGHT AND DOOR IDENTIFICATION



SYMBOLS



GENERAL DEMOLITION NOTES

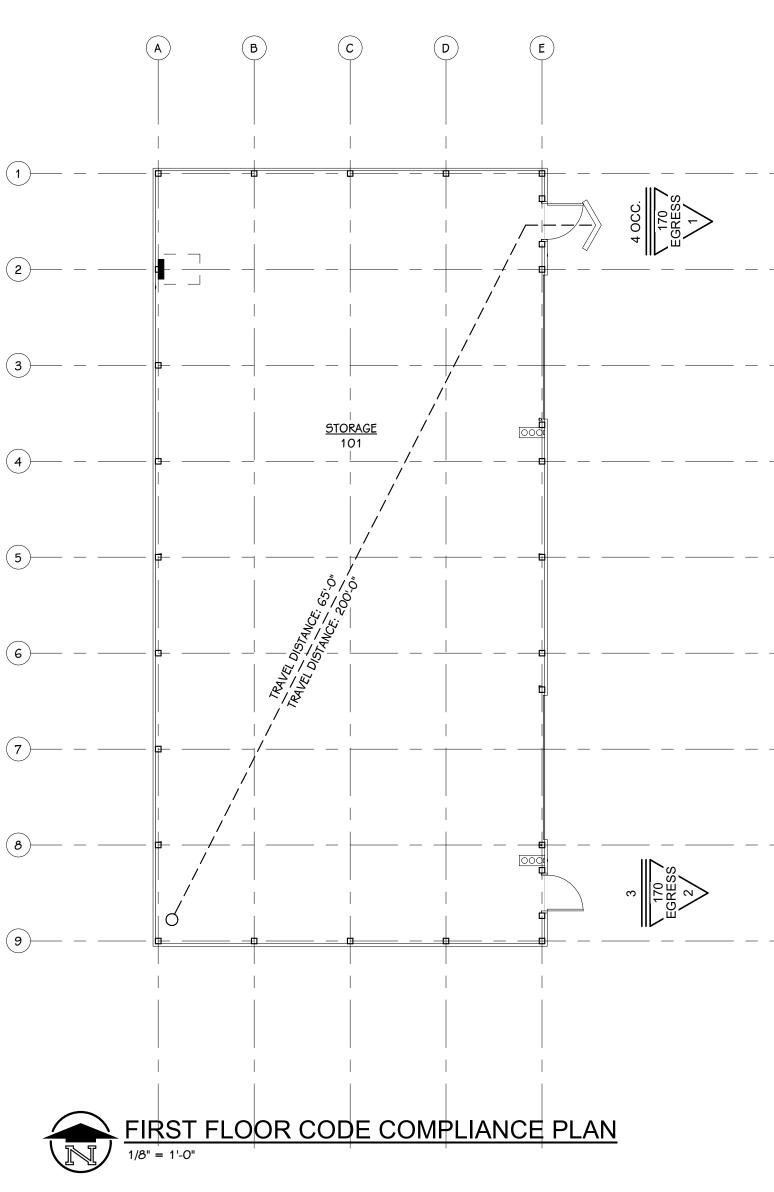
- 1. CONTRACTORS ARE REQUIRED TO INSPECT/REVIEW THE EXISTIN RELATED DEMOLITION WORK. UNLESS NOTED OTHERWISE, REM FLOOR OR CEILING INCLUDES ALL GENERAL MECHANICAL AND WHICH ARE A PART OF, OR ATTACHED TO IT.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING JOB SITE CONDITION AND BE RESPONSIBLE FOR THE SAME. ADVISE CONSTRUCTION AND ALL DISCREPANCIES.
- 3. PATCH FLOORS, WALLS AND CEILINGS DAMAGED DURING CONS DEMOLITION AS REQUIRED. FINISH TO MATCH EXISTING.
- 4. ACCOMMODATE NEW CONSTRUCTION IF NOT INDICATED.
- 5. PROTECT ALL EXISTING FINISHES THROUGHOUT PROJECT.
- 6. REFER TO DEMOLITION ELEVATIONS, SECTIONS AND DETAILS FO INFORMATION.
- 7. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRIC ADDITIONAL DEMOLITION NOTES.
- 8. SALVAGE ALL UNISTRUT AND PROTECT FOR RE-USE IN NEW CON REQUIRED.
- 9. AT LOCATIONS OF REMOVED WALLS, ALL ASSOCIATED ITEMS / ARE TO BE REMOVED. SUCH AS: DOORS, WINDOWS, FRAMES TACKBOARDS, TACK STRIPS, ETC.

GENERAL NOTES - ARCHITECTURAL

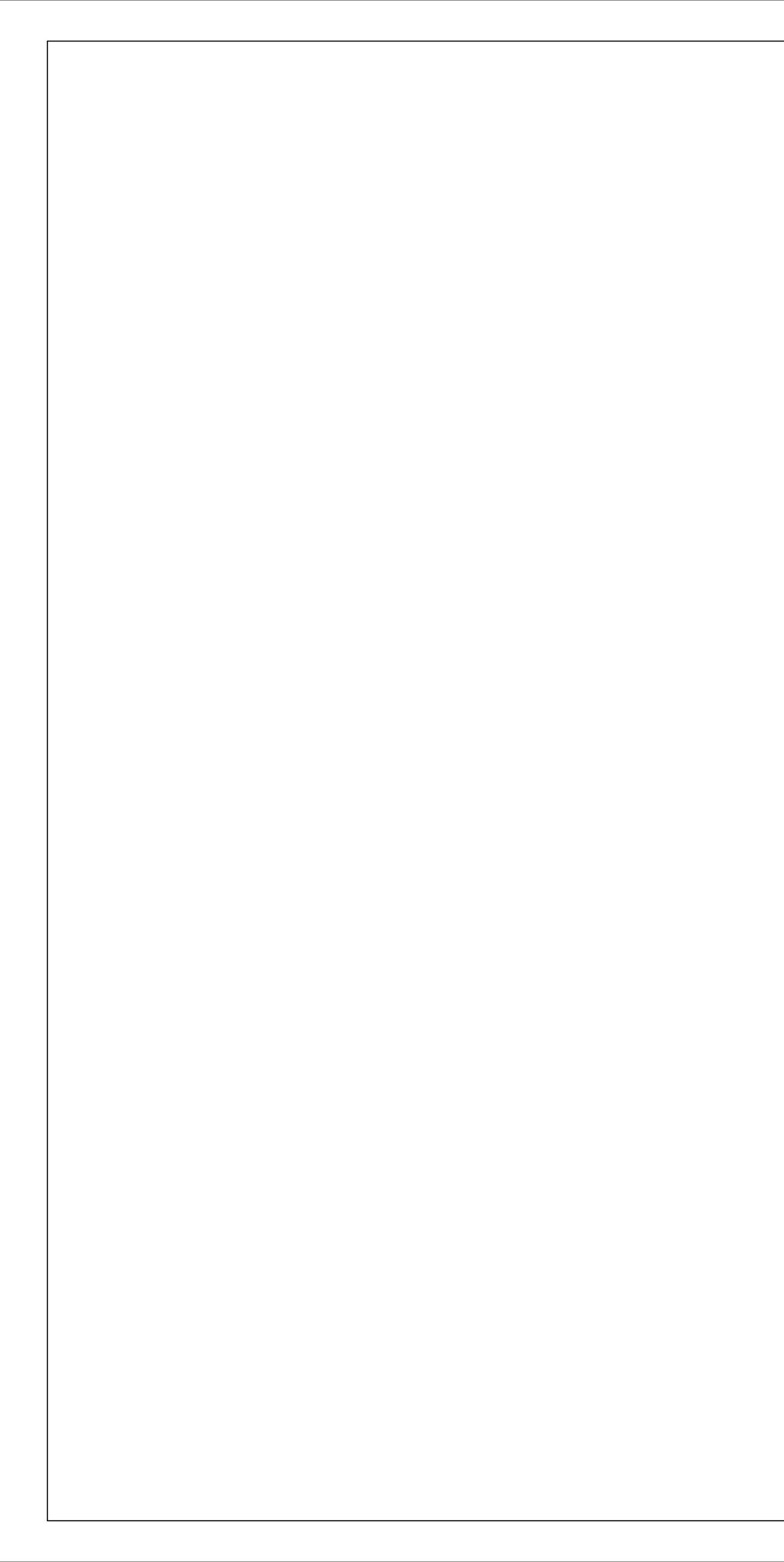
- 1. THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEM FROM TO COMMENCEMENT OF CONTRACTED DEMOLITION WORK.
- 2. ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED BEFORE
- 3. DIMENSIONS GIVEN ARE ACTUAL AND ARE TO THE FACE OF MA THE FACE OF STUD FRAMING, UNLESS NOTED OTHERWISE.
- 4. DETAILS SHOWN ILLUSTRATE DESIGN INTENT, NOT ALL POSSIBL CONDITIONS NOT SHOWN, USE DETAILS CLOSEST TO CONDIT
- 5. EXTEND ALL INTERIOR WALL PARTITIONS FROM FLOOR TO STRL UNLESS NOTED OR DETAILED OTHERWISE.
- 6. WITHIN BUILDING INTERIOR PROVIDE BULLNOSE BLOCK IN CMU ALL EXPOSED OUTSIDE CORNERS, INCLUDING WINDOW AND DO NOTED OR DETAILED OTHERWISE. PROVIDE SQUARE OUTSIDE (LOCATIONS FINISHED WITH WALL TILE, REFER TO FINISH PLANS FOR LOCATIONS.
- 7. TOOTH-IN MASONRY AT NEW OPENINGS IN EXISTING WALLS.
- 8. TOOTH-IN NEW MASONRY INFILL INTO EXISTING OPENINGS AT LOCATIONS.
- 9. STUD WALLS SPANNING OVER 12'-O" IN HEIGHT SHALL BE A MIN
- 10. STUD WALL SUPPORTING WALL CABINETS SHALL BE A MINIMUM OF 20 GAGE.
- 11. DOORS ARE TO BE 4" FROM CORNER OF ROOM, UNLESS NOTED OR DIMENSIONED OTHERWISE.
- 12. FIRESTOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT CEILING, FLOOR AND ROOF LEVELS.
- 13. FIRESEAL ALL PENETRATIONS, SUCH AS, PIPES, DUCTS, CONDUITS, ETC. THROUGH FIRE AND/OR SMOKE RATED ASSEMBLIES.
- 14. FOR CONTROL JOINT (C.J.) LOCATIONS REFER TO EXTERIOR ELEVATIONS AND/OR FLOOR PLANS.
- 15. PAINT ALL ELECTRICAL PANEL COVERS AND ACCESS PANELS TO MATCH ADJACENT FINISHES. USING OIL-BASED PAINT, NOT LATEX WALL PAINT.
- 16. PROVIDE WOOD BLOCKING IN WALLS THAT REQUIRE WALL MOUNTED EQUIPMENT OR ACCESSORIES. COORDINATE WITH EQUIPMENT OR ACCESSORY MANUFACTURER.
- 17. PROVIDE ALL ASSOCIATED CURBS FOR ROOF TOP EQUIPMENT AND MECHANICAL ROOF TOP UNITS. LARGE VOIDS BELOW THE AIR HANDLING UNITS SHALL BE FILLED WITH INSULATION AS SPECIFIED FOR NOISE CONTROL.
- 18. ALL EXISTING ROOF TOP PENETRATIONS BEING REMOVED REQUIRE ROOF PATCHING TO MATCH EXISTING ADJACENT.

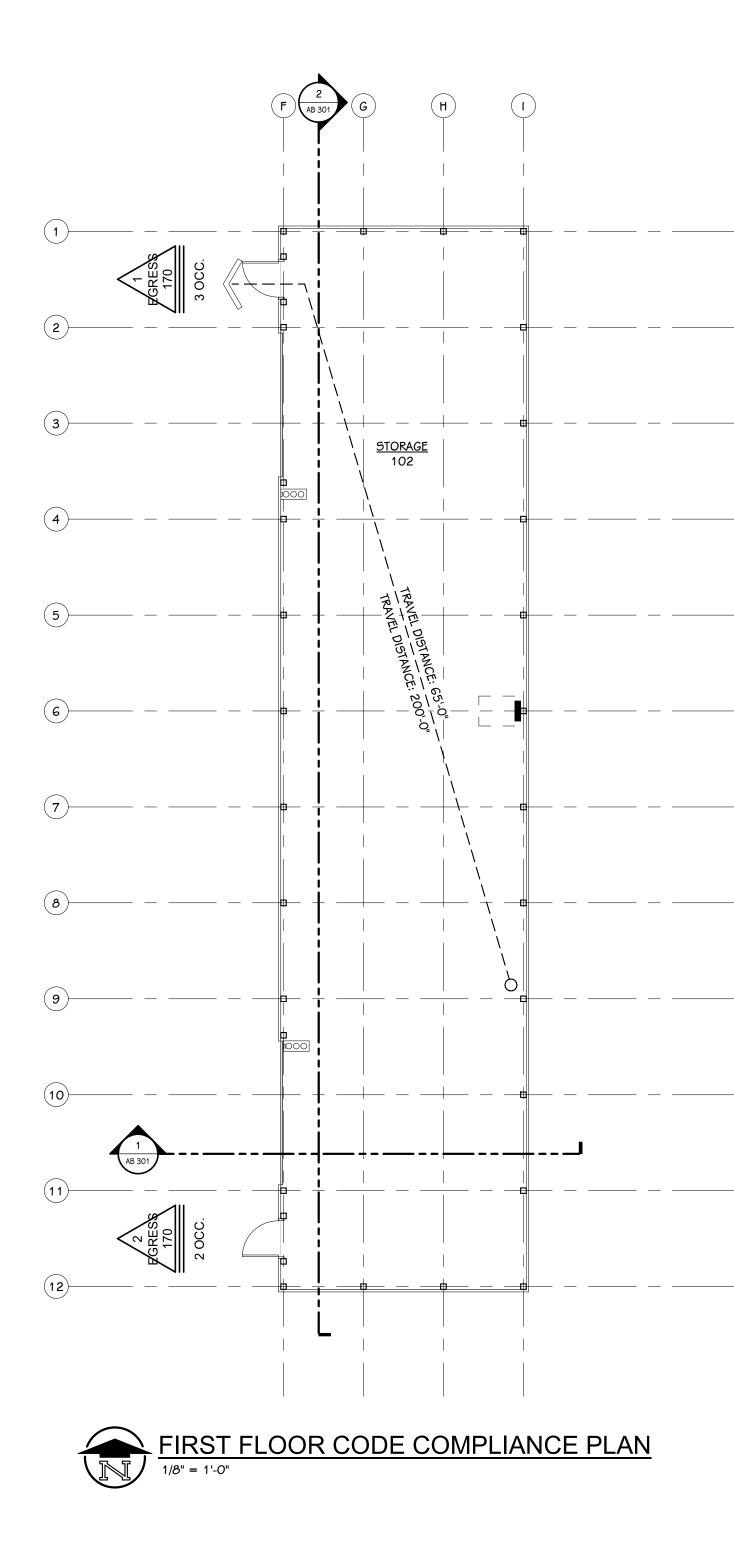
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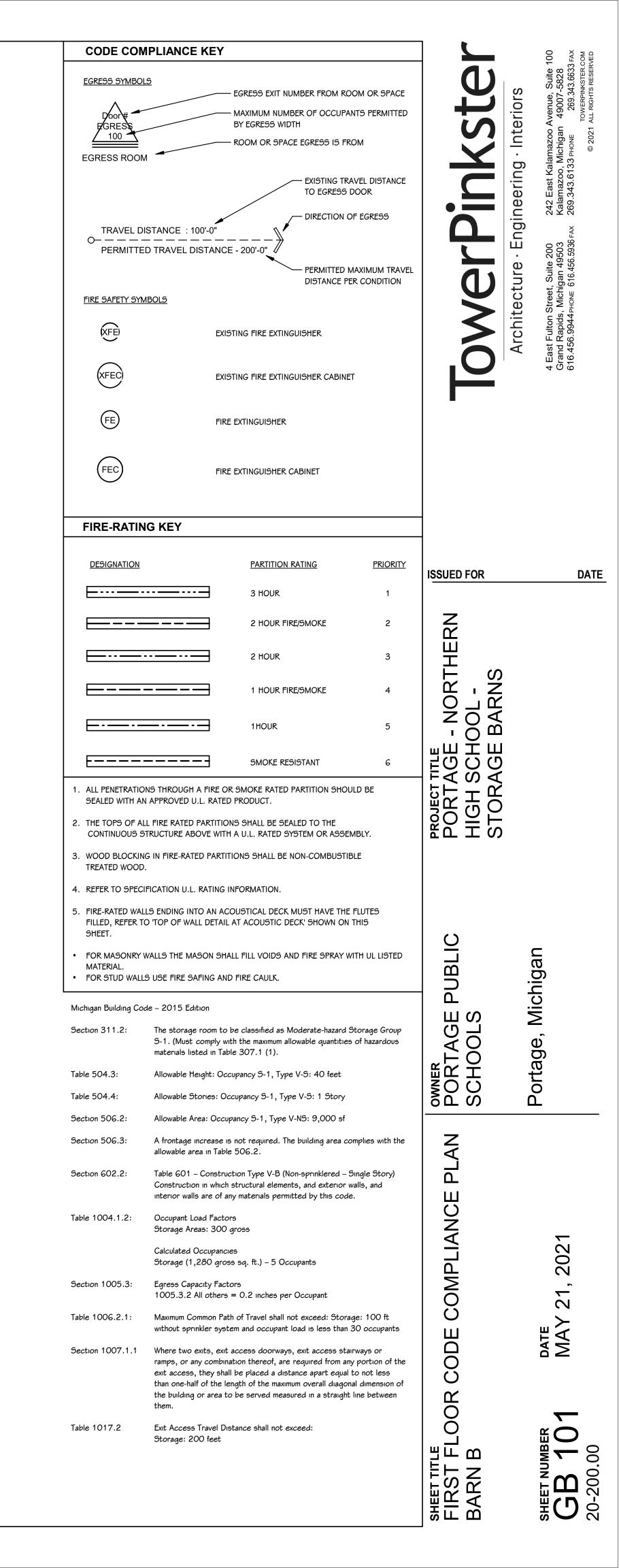
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Ble Conditions. For fion in Question. Ructure/Deck Above		
IU WALL ASSEMBLIES AT DOOR JAMBS, UNLESS E CORNERS AT ALL S (AGOO SHEETS)		
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IINIMUM OF 20 GAGE.		



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FIRE SAFETY SYN	MBOLS	DISTANCE			CCCC Street, (Michig PHONE 6:
(XFE)		EXISTING FIRE EXTINGUISHER			Architectur ist Fulton Street, Sui od Rapids, Michigan 456.9944 PHONE 616.4
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FEC		FIRE EXTINGUISHER CABINET			
FIRE-RATIN	NG KEY			-	
DESIGNATION		PARTITION RATING	PRIORITY	ISSUED FOR	DATE
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		1 HOUR FIRE/SMOKE	4	RN - N	
<u> </u>		1 HOUR	5	BAO'N	
E		SMOKE RESISTANT	6		
	DNS THROUGH A FIF N APPROVED U.L. R	RE OR SMOKE RATED PARTITION SHO ATED PRODUCT.	ULD BE	H S H	
		TIONS SHALL BE SEALED TO THE WITH A U.L. RATED SYSTEM OR ASSE	EMBLY.	PORT HIGH STOR	
3. WOOD BLOCKIN	NG IN FIRE-RATED PA	ARTITIONS SHALL BE NON-COMBUSTI			
TREATED WOOD 4. REFER TO SPEC		ING INFORMATION.			
		N ACOUSTICAL DECK MUST HAVE THI TAIL AT ACOUSTIC DECK' SHOWN ON			
FOR MASONRY MATERIAL.	WALLS THE MASON LS USE FIRE SAFING	SHALL FILL VOIDS AND FIRE SPRAY	MITH UL LISTED	PUBLIC	iigan
Michigan Building Co	ode - 2015 Edition			ы П П П П П	Aich
Section 311.2:	S-1. (Must comp	n to be classified as Moderate-hazard Ny with the maximum allowable quantitie 1 Table 307.1 (1).		TAG	Portage, Michigan
Table 504.3: Table 504.4:	-	: Occupancy S-1, Type V-S: 40 feet 5: Occupancy S-1, Type V-S: 1 Story		POR SCH(ort
Section 506.2:		Decupancy 5-1, Type V-0: 1 Story		<u>50 0</u>	ш
Section 506.3:	A frontage increa allowable area in	ase is not required. The building area c Table 506.2.	omplies with the	PLAN	
Section 602.2:	Construction in w	struction Type V-B (Non-sprinklered – hich structural elements, and exterior of any materials permitted by this cod	walls, and		
Table 1004.1.2:	Occupant Load F Storage Areas: 3				~
	Calculated Occup Storage (2,048	pancies gross sq. ft.) - 7 Occupants			202
Section 1005.3:	Egress Capacity 1005.3.2 All ot	Factors hers = 0.2 inches per Occupant			
Table 1006.2.1:		n Path of Travel shall not exceed: Stor system and occupant load is less than	•	YMB YMB	ц Ч
Section 1007.1.1	Where two exits, ramps, or any co exit access, they than one-half of t	exit access doorways, exit access sta mbination thereof, are required from an shall be placed a distance apart equa he length of the maximum overall diago rea to be served measured in a straigh	airways or ny portion of the I to not less nal dimension of	OR CODE (PICAL S' VOTES	DATE
Table 1017.2	Exit Access Trave Storage: 200 fe	el Distance shall not exceed: et		SHEET TITLE FIRST FLOO BARN A, TY GENERAL N	SHEET NUMBER GA 10' 20-200.00







SITE PLAN NOTES

A. 6" CONCRETE PAVEMENT (SEE DETAIL THIS SHEET)

B. CONNECT ELECTRIC SERVICE AND METER, COORDINATE WITH UTILITY PROVIDER

C. 10' OVERHEAD DOOR

D. MAN DOOR

GRADING NOTES

- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, TAP FEES, METER DEPOSITS, PERMANENT UTILITY APPLICATIONS, BONDS, AND OTHER FEES REQUIRED FOR PROPOSED WORK. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO THOSE REQUIRED BY THE CITY OF PORTAGE
- CONTACT "811" AT 1-800-482-7171 FOR LOCATION OF UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING EXCAVATION WORK. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO ARE NOT PART OF THE "811" ALERT SYSTEM. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- DEMOLISH & REMOVE ALL EXISTING SITE FEATURES AS REQUIRED.
- . MATCH EXISTING GRADES AROUND PERIMETER WITH SLOPES AS SHOWN.
- 6. ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT GRADES AT EDGE OF METAL (EOM) UNLESS OTHERWISE NOTED.
- ALL SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO MASS GRADING.
- 8. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND GEOTECHNICAL REPORT.
- 9. ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
- 10. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF OCCURS.
- . ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 15 DAYS OR LONGER MUST BE SEEDED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEEDED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.

GENERAL CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
- 2. ALL WORK SHALL CONFORM TO THE MICHIGAN HANDICAPPED ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
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- MANHOLE AND CATCH BASIN STRUCTURES SHALL BE PRECAST AND HAVE A MAXIMUM OF 2 ADJUSTING RINGS FOR FINISH GRADE ADJUSTMENT.
- DEMOLISH & REMOVE ALL EXISTING SITE FEATURES AS REQUIRED.

SITE MATERIALS & CONSTRUCTION NOTES:

- SOILS EXPOSED IN THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGES IN CONDITION SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. SURFACE RUN-OFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATION AND NOT ALLOWED TO POND. IF POSSIBLE, ALL FOOTING CONCRETE SHOULD BE POURED THE SAME DAY THE EXCAVATION IS MADE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED.
- REMOVE ALL SUBGRADE GRADE MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC. AND REPLACE WITH COMPACTED GRANULAR FILL.
- THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
- EXTERIOR CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AND SHALL HAVE LIMESTONE AGGREGATE AND SHALL HAVE 4 - 6 % AIR ENTRAINMENT WITH A BROOM FINISH.
- EXPANSION JOINTS IN CONCRETE PAVEMENT AND WALLS SHALL BE 1/2" ASPHALT IMPREGNATED FULL DEPTH 40' O.C. MAXIMUM & AT SIDEWALK INTERSECTIONS. CRACK CONTROL SCORING AT SIDEWALK WIDTH DIMENSION AND @ 10'-0" O.C. IN DRIVES.

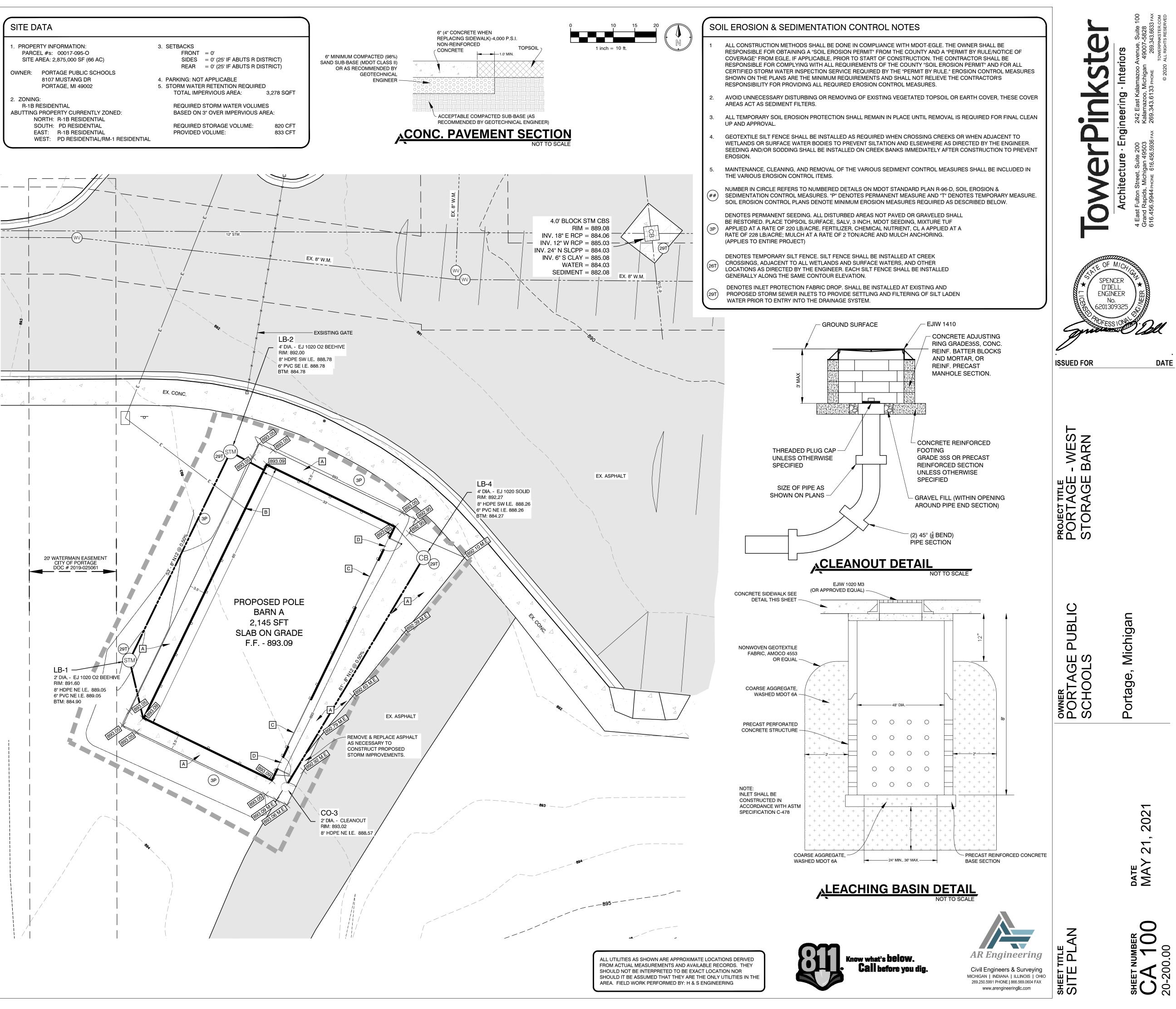
GENERAL NOTES

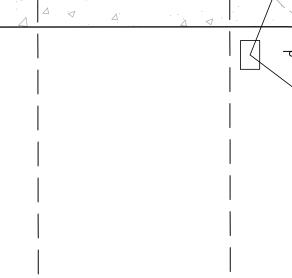
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	SAWCUT
	LIMITS OF CONSTRUCTION
<u> </u>	SILT FENCE
M.E.	MATCH EXISTING GRADE
	PAVEMENT REMOVAL/ RECONSTRUCTION

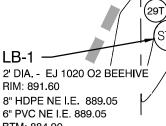
- SITE AREA: 2,875,000 SF (66 AC)
- 8107 MUSTANG DR

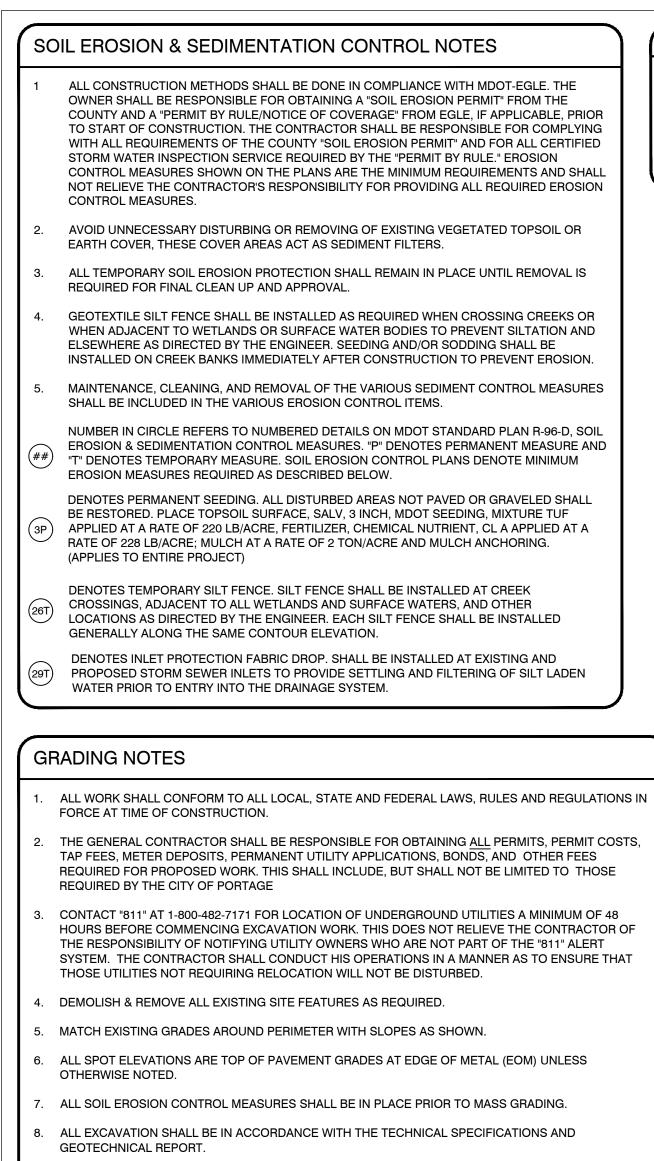
R-1B RESIDENTIAL NORTH: R-1B RESIDENTIAL SOUTH: PD RESIDENTIAL











- 9. ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
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- 5. MANHOLE AND CATCH BASIN STRUCTURES SHALL BE PRECAST AND HAVE A MAXIMUM OF 2 ADJUSTING RINGS FOR FINISH GRADE ADJUSTMENT.
- 6. DEMOLISH & REMOVE ALL EXISTING SITE FEATURES AS REQUIRED.

SITE MATERIALS & CONSTRUCTION NOTES:

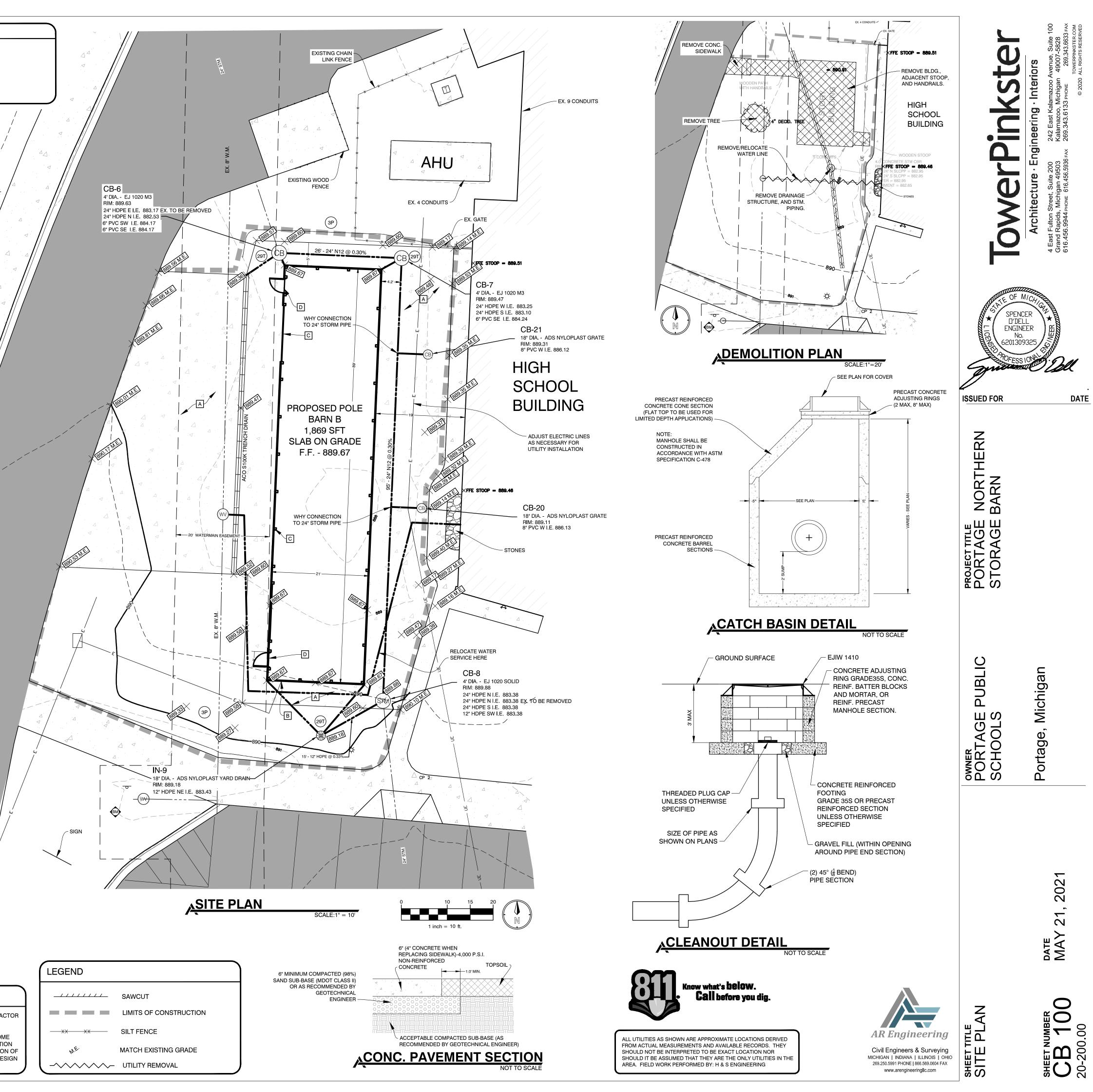
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- 2. REMOVE ALL SUBGRADE GRADE MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC. AND REPLACE WITH COMPACTED GRANULAR FILL.
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- 5. EXPANSION JOINTS IN CONCRETE PAVEMENT AND WALLS SHALL BE 1/2" ASPHALT IMPREGNATED FULL DEPTH 40' O.C. MAXIMUM & AT SIDEWALK INTERSECTIONS. CRACK CONTROL SCORING AT SIDEWALK WIDTH DIMENSION AND @ 10'-0" O.C. IN DRIVES.

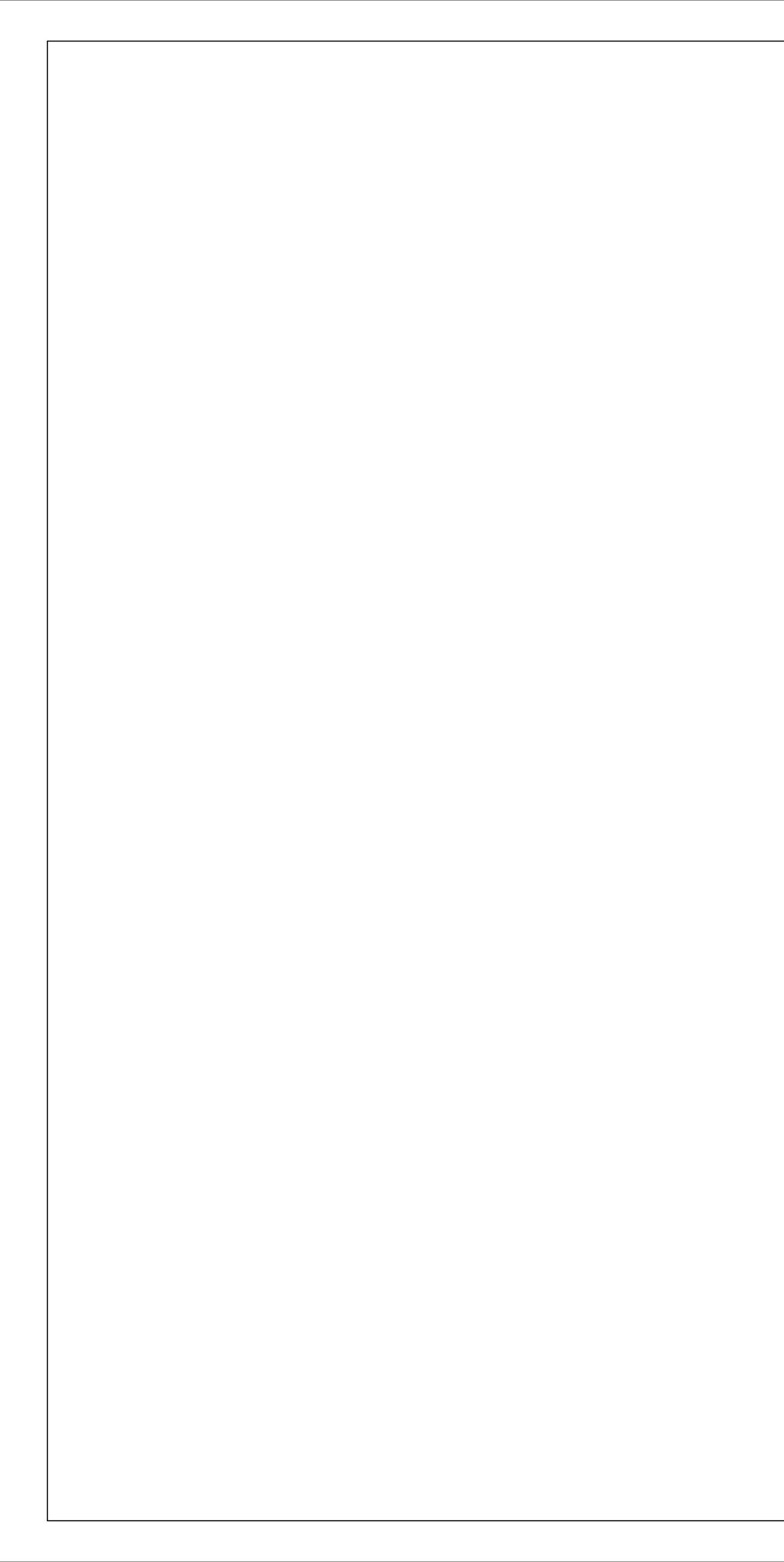
SITE PLAN NOTES

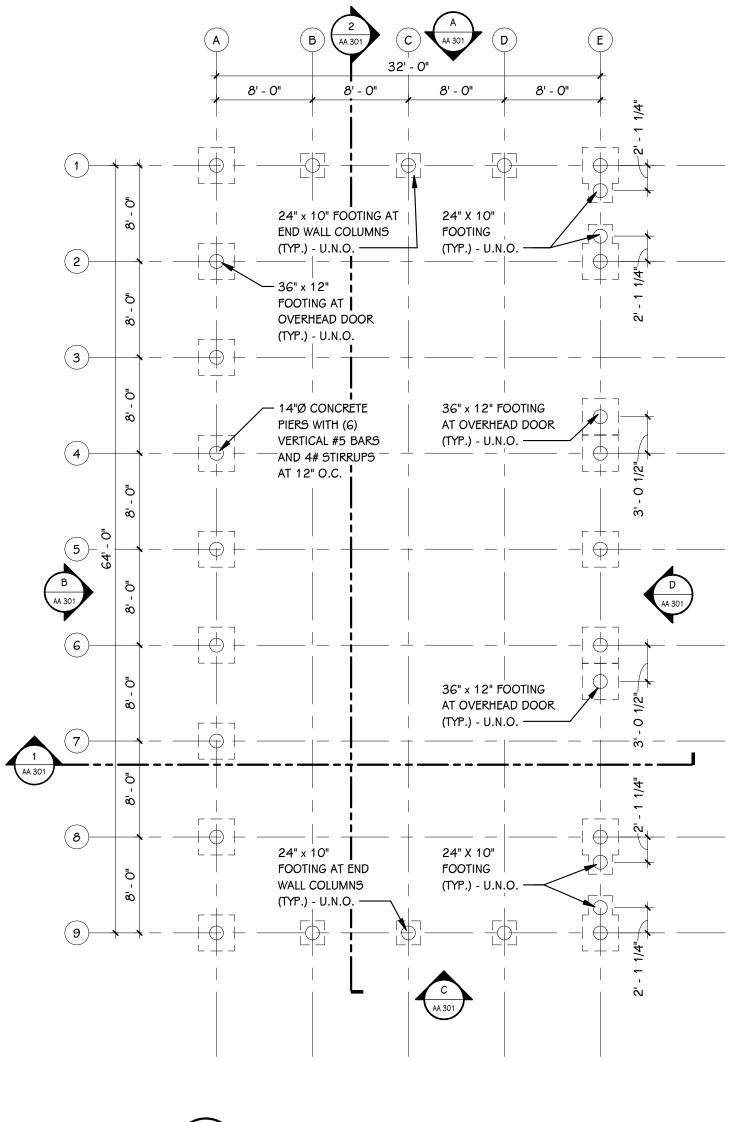
- A. 6" CONCRETE PAVEMENT (SEE DETAIL THIS SHEET)
- B. CONNECT ELECTRIC SERVICE AND METER, COORDINATE WITH UTILITY PROVIDER
- C. 10' OVERHEAD DOOR
- D. MAN DOOR

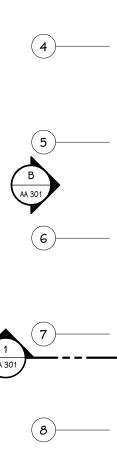
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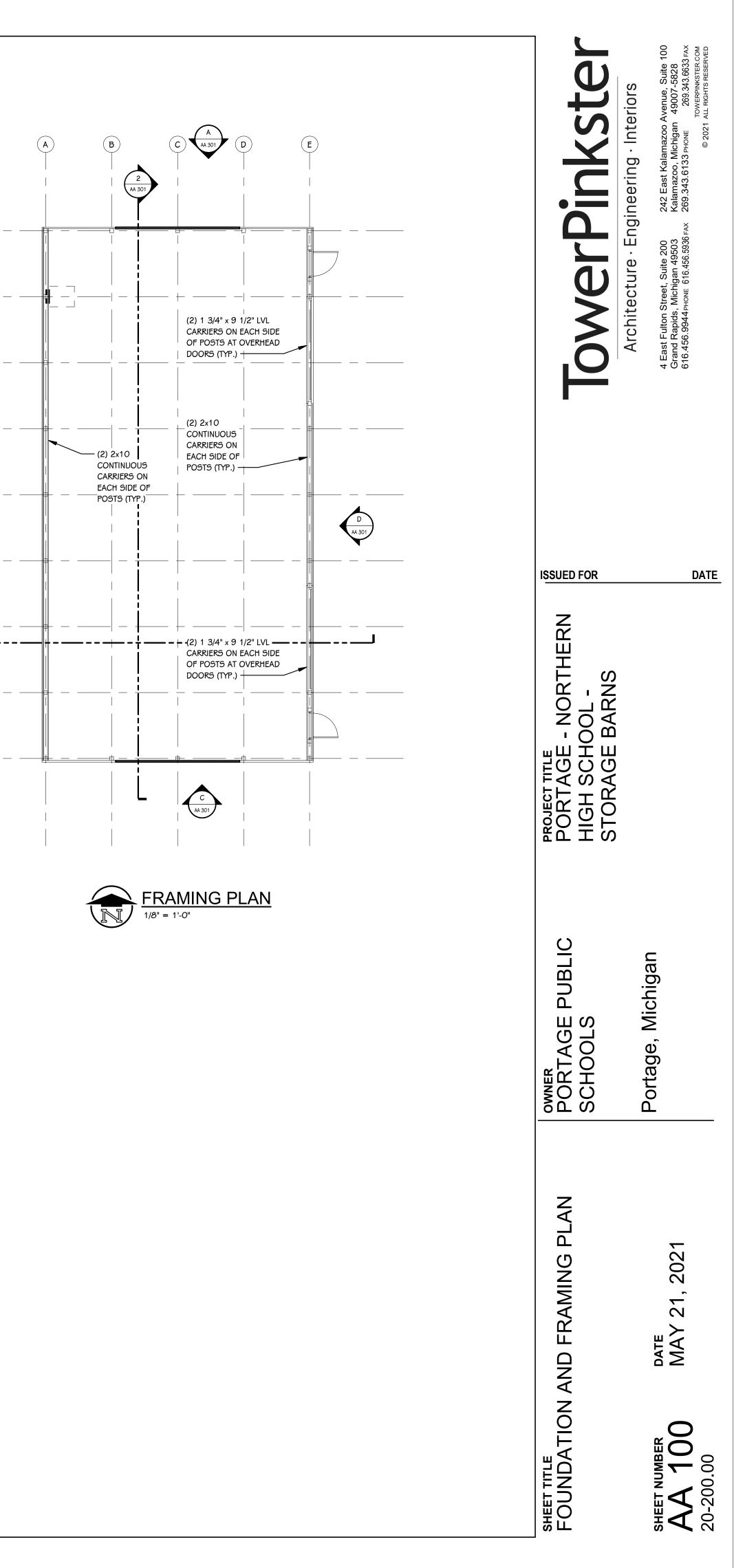
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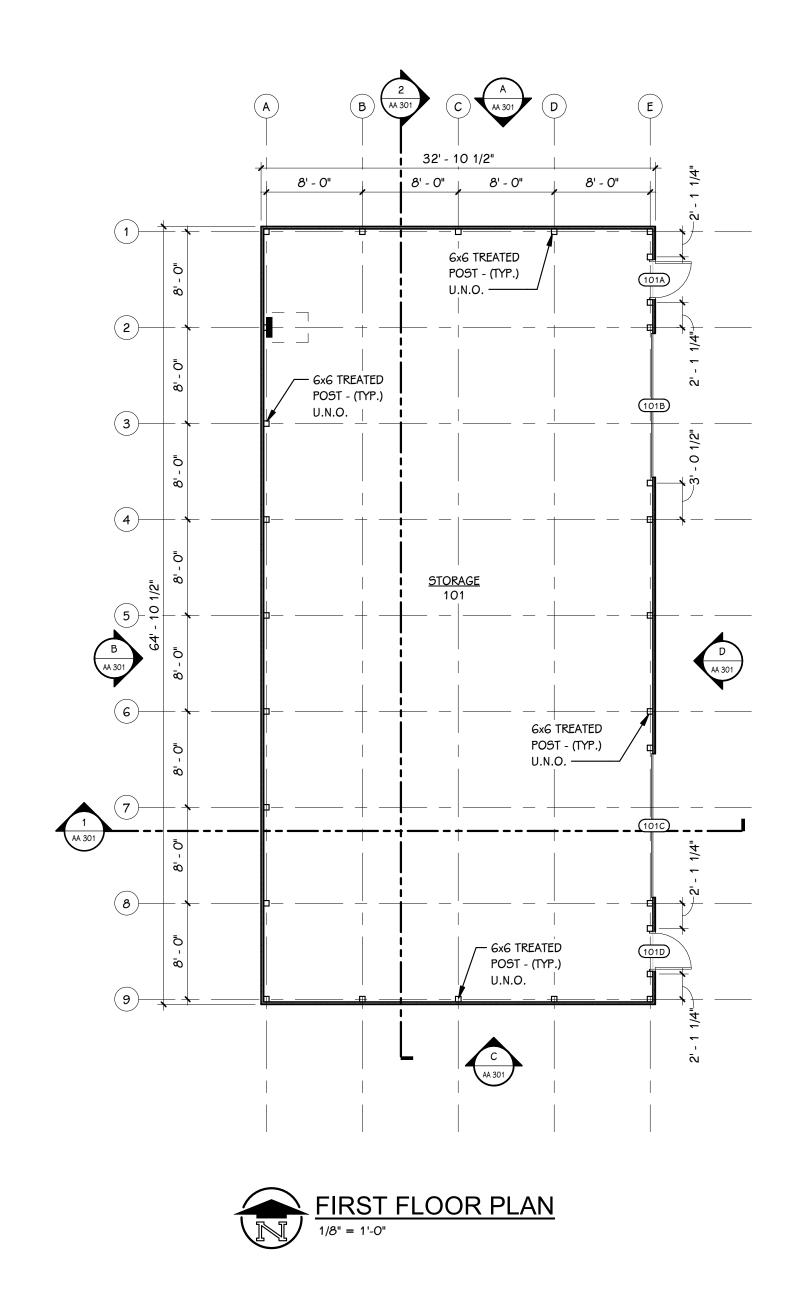
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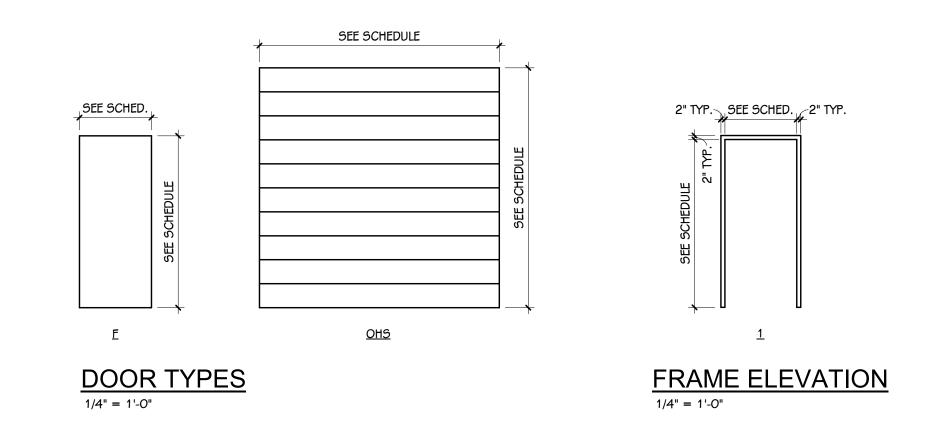
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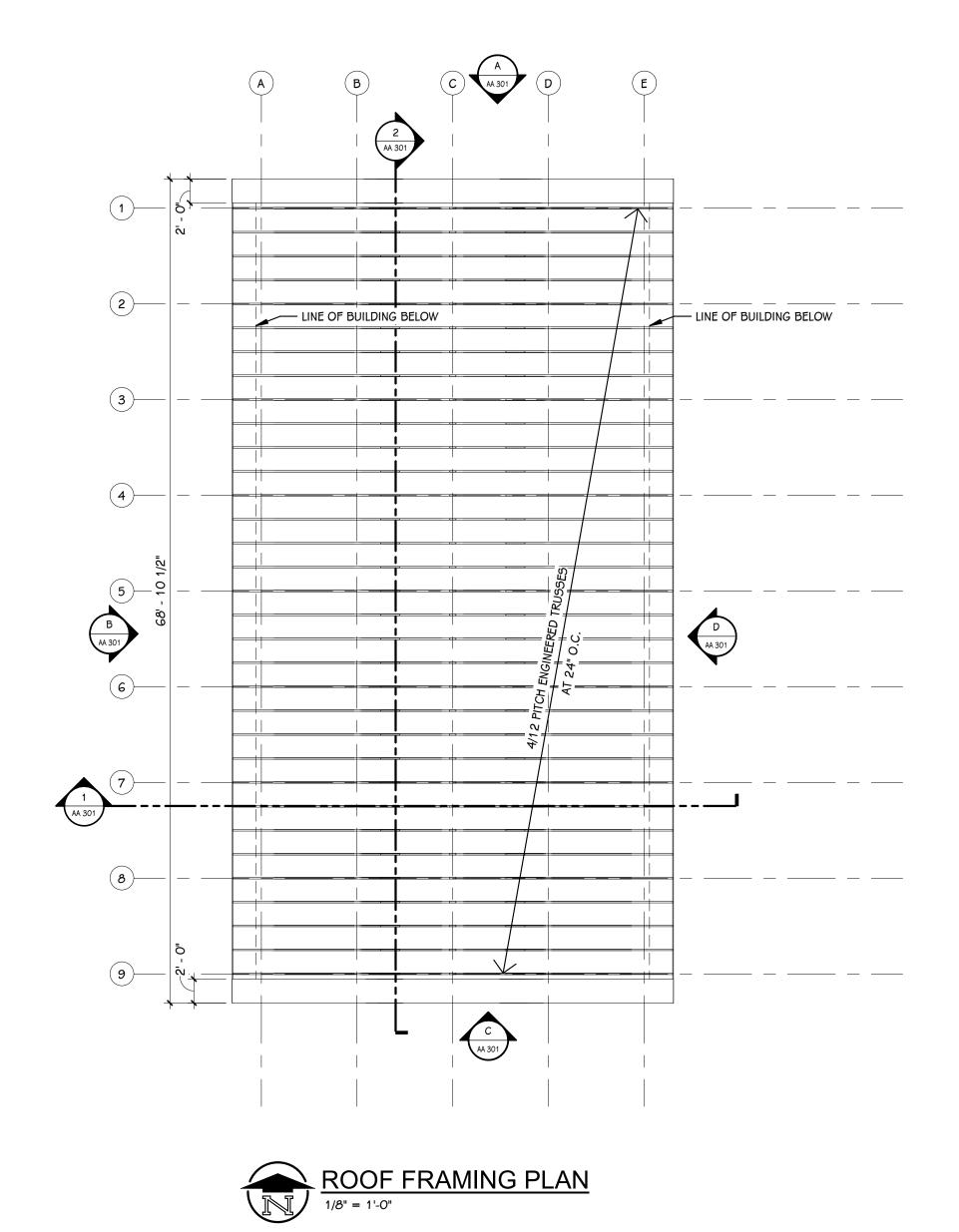
FOUNDATION PLAN 1/8" = 1'-0"





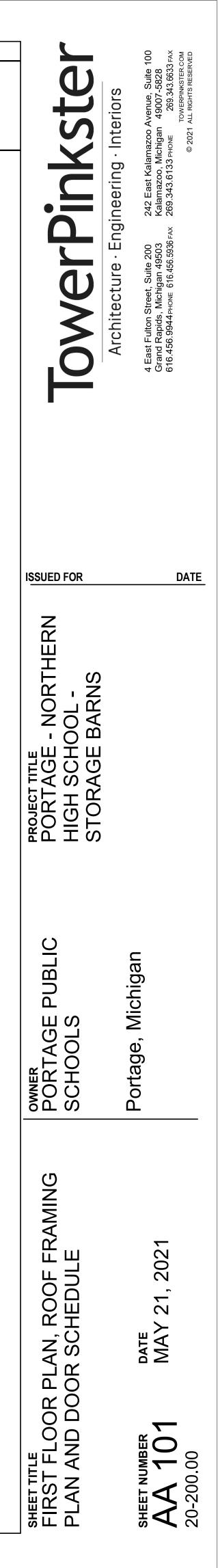
DOOF	R SCH	EDUL	E - Bl	JILDIN	IG A																		
NUMBER		FIRE RATING		FIRE RATING		DOOR		SI	ZE		FRAME			DETAILS				ACO	CESS CONT	TROLS			
DOOR	ROOM	ROOM NAME	DOOR	FRAME	TYPE	MAT	FIN	WIDTH	HEIGHT	ELEV	MAT	FIN	HEAD	JAMB	SILL	GLASS	A-PHO NE	BARRIER- FREE	CARD READER	ELEC. LOCK HDWR.	MAG HOLD	HDWR. SET	REMARKS
101A	101	STORAGE	-	-	F	STL	FACTORY FINISH	3' - 0"	7' - 2"	1	НМ	PAINT	-	-	-	-	No	No	No	No	No	1.0	-
101B	101	STORAGE	-	-	OHS	STL	FACTORY FINISH	12' - 0"	10' - 0"	-	STL	-	5 / AA 301	-	-	-	No	No	No	No	No	2.0	-
101C	101	STORAGE	-	-	OHS	STL	FACTORY FINISH	12' - 0"	10' - 0"	-	STL	-	5 / AA 301	-	-	-	No	No	No	No	No	2.0	-
101D	101	STORAGE	-	-	F	STL	FACTORY FINISH	3' - 0"	7' - 2"	1	НМ	PAINT	-	-	-	-	No	No	No	No	No	-	-

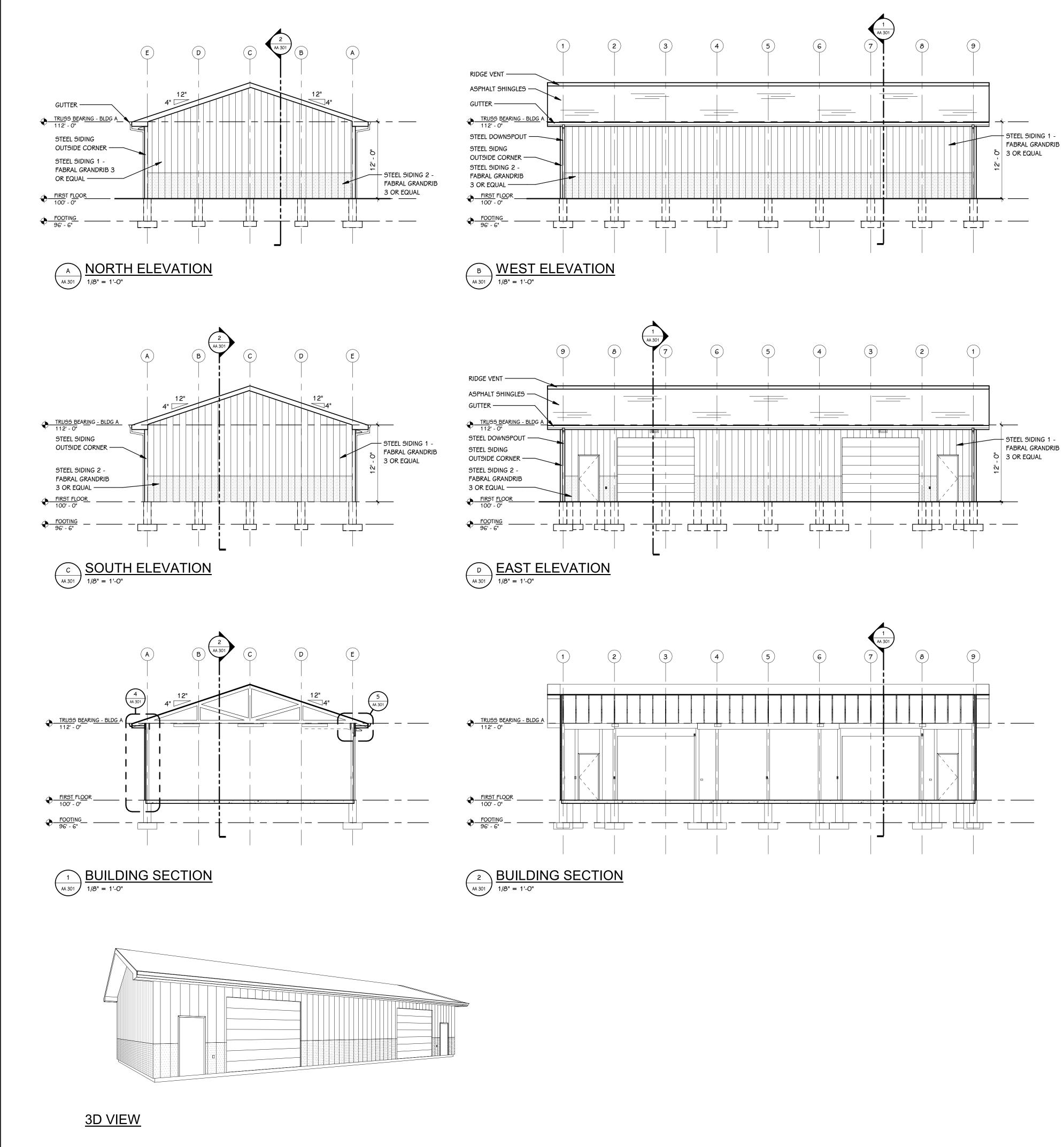




GENERAL	NOTES

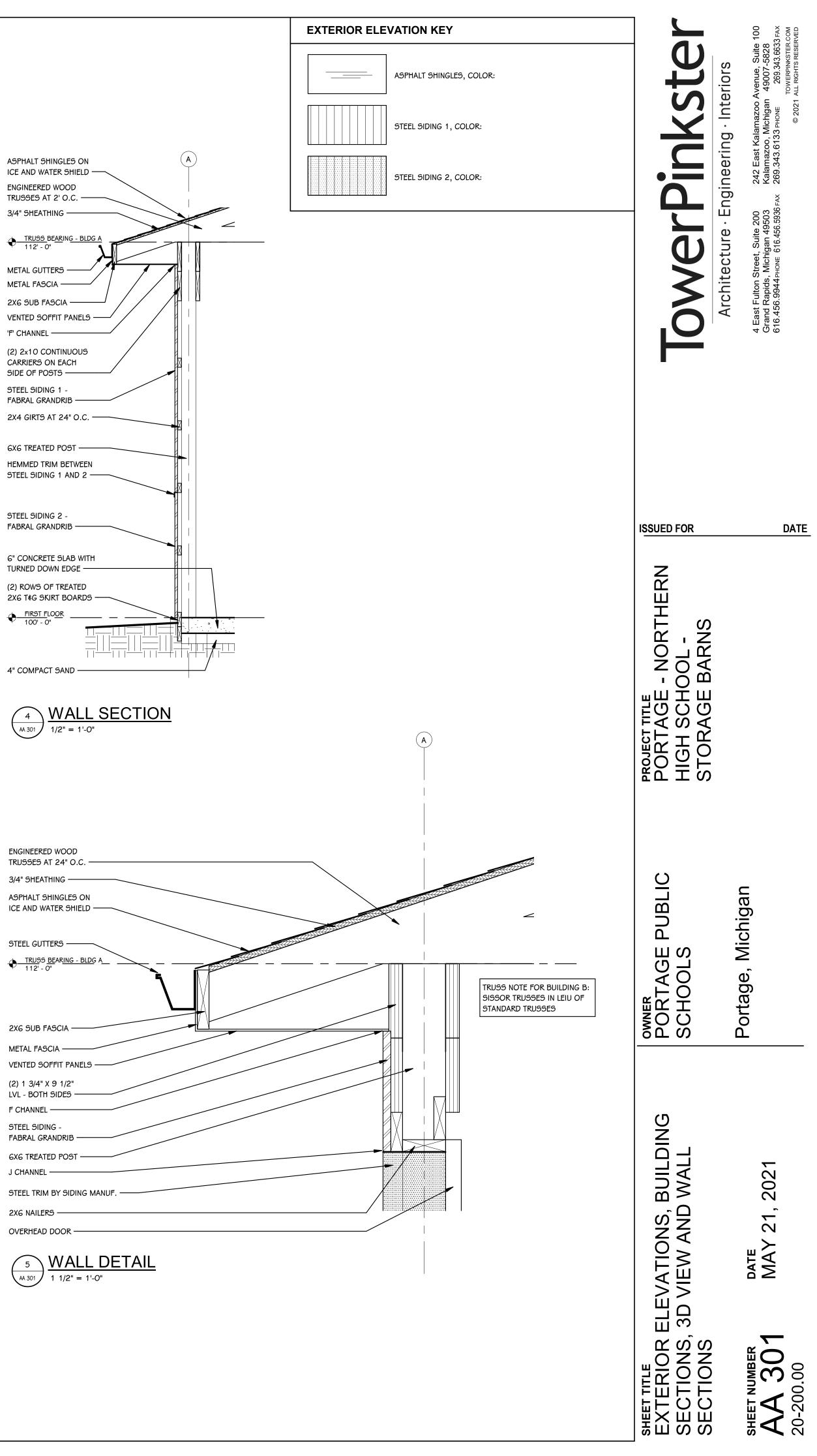
- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- . REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- . REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

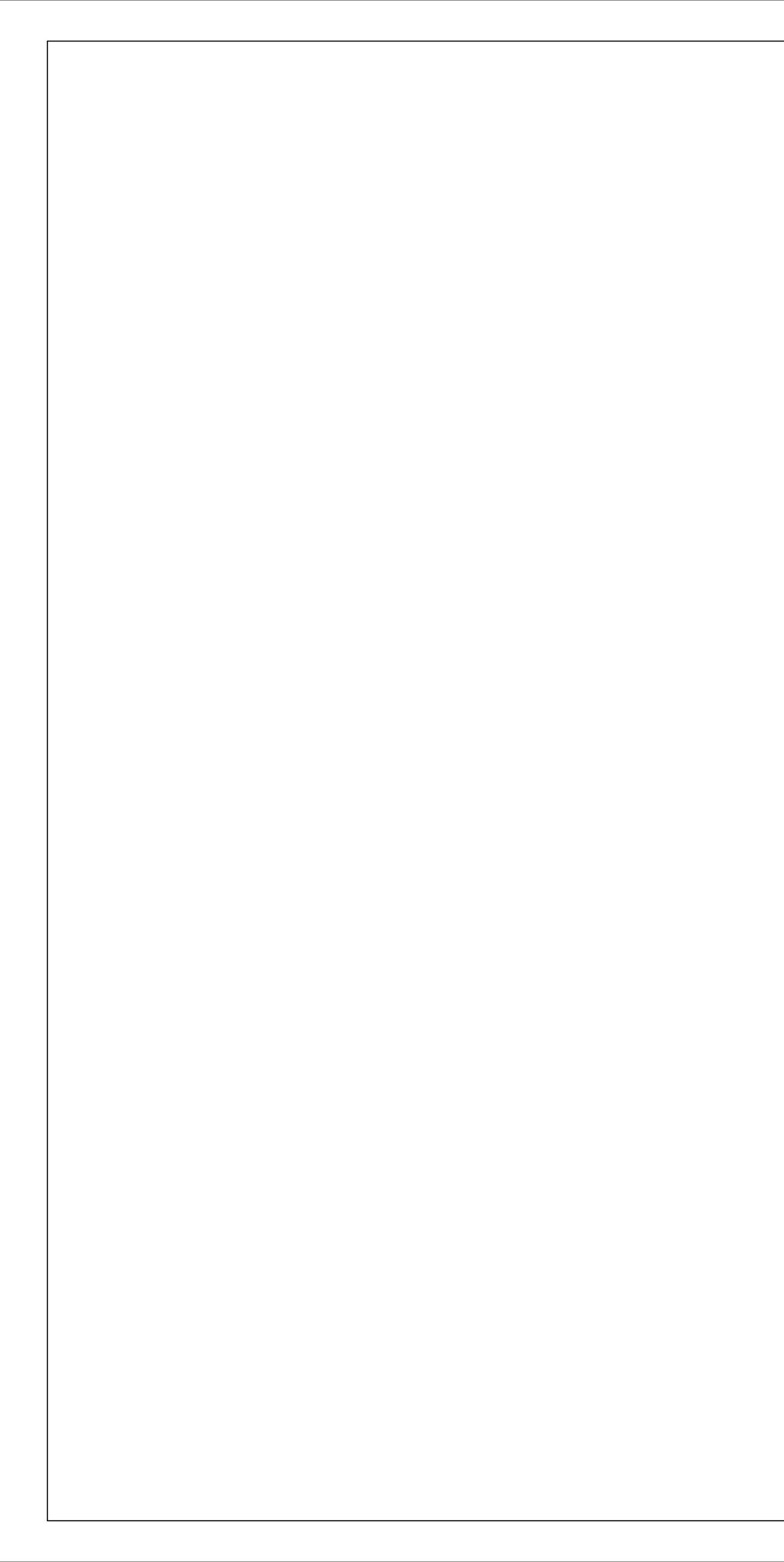


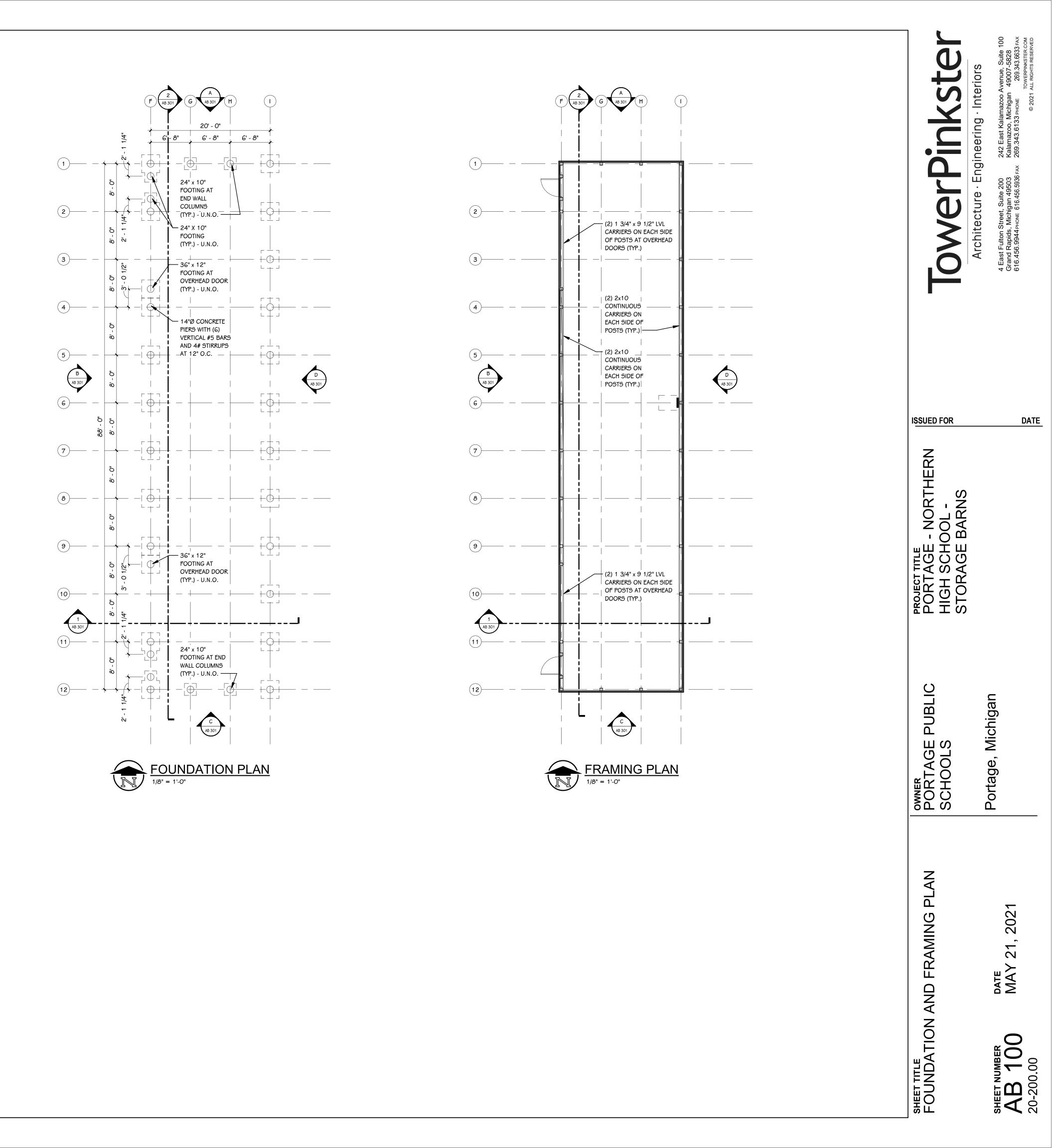


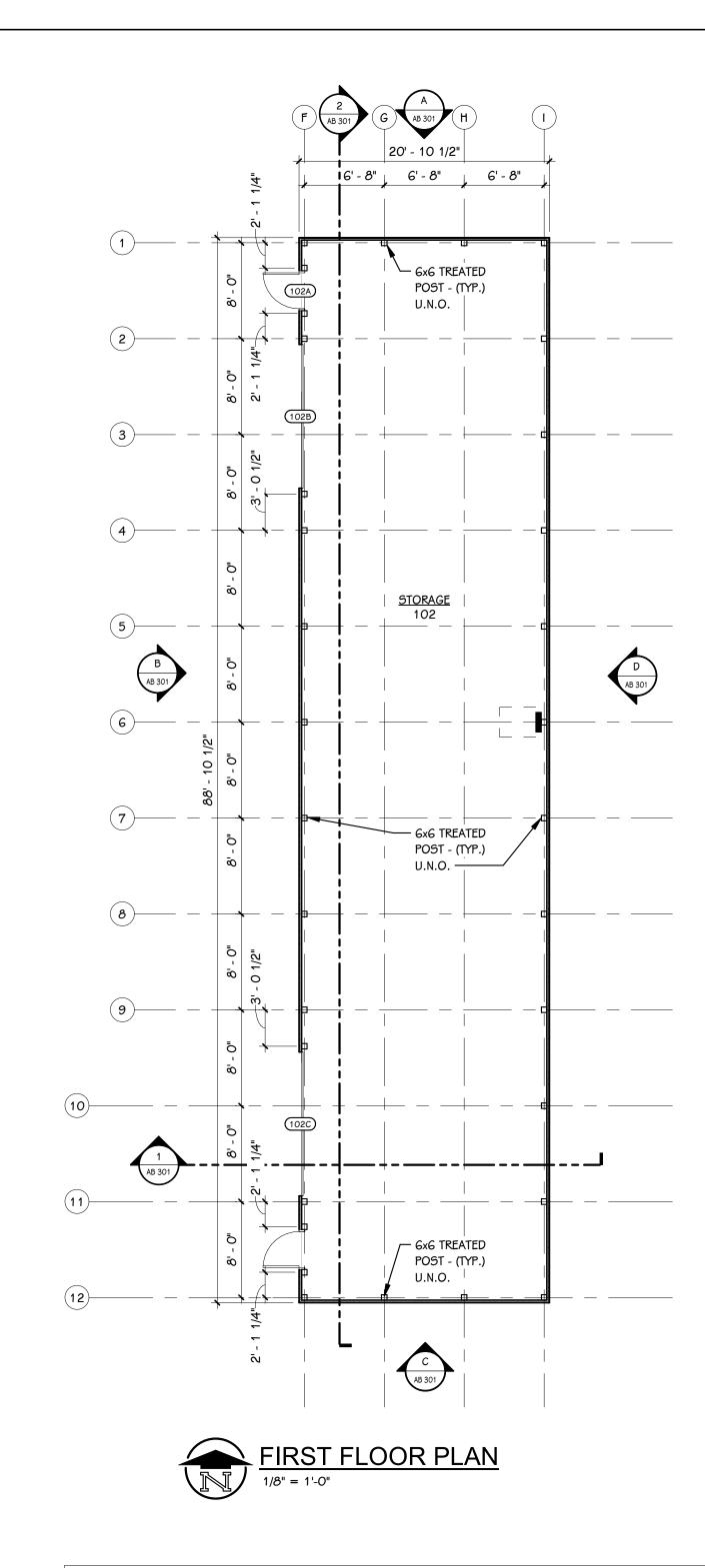
SPHALT SHINGLES ON CE AND WATER SHIELD
NGINEERED WOOD RUSSES AT 2' O.C.
6/4" SHEATHING
TRUSS BEARING - BLDG A
NETAL GUTTERS
NETAL FASCIA
XAG SUB FASCIA
VENTED SOFFIT PANELS
CHANNEL
2) 2x10 CONTINUOUS CARRIERS ON EACH DIDE OF POSTS
DTEEL SIDING 1 - ABRAL GRANDRIB
2X4 GIRTS AT 24" O.C.
EXG TREATED POST
DTEEL SIDING 2 - ABRAL GRANDRIB
" CONCRETE SLAB WITH URNED DOWN EDGE
2) ROWS OF TREATED 2XG T&G SKIRT BOARDS
▶ <u>FIRST FLOOR</u>
" Compact Sand
$\underbrace{4}_{AA 301} \underbrace{WALL SEC}_{1/2"} = 1'-0"$

3/4" SHEATHING
ASPHALT SHINGLES ON ICE AND WATER SHIELD
STEEL GUTTERS
STELE GUTTERS
• TRUSS <u>BEARING - BLDG</u> A 112' - 0"
2XG SUB FASCIA
METAL FASCIA
VENTED SOFFIT PANELS
(2) 1 3/4" X 9 1/2"
LVL - BOTH SIDES
F CHANNEL
STEEL SIDING -
FABRAL GRANDRIB
6X6 TREATED POST
J CHANNEL
STEEL TRIM BY SIDING MANUF



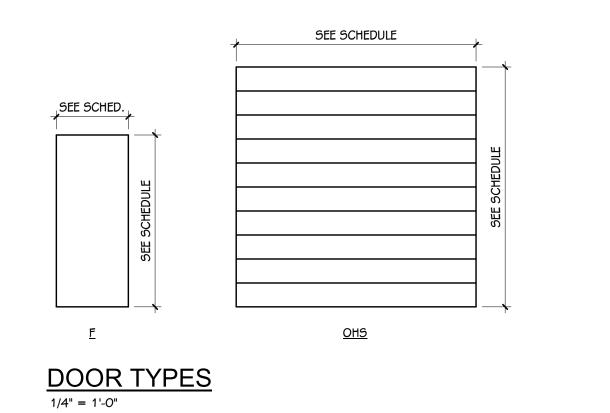






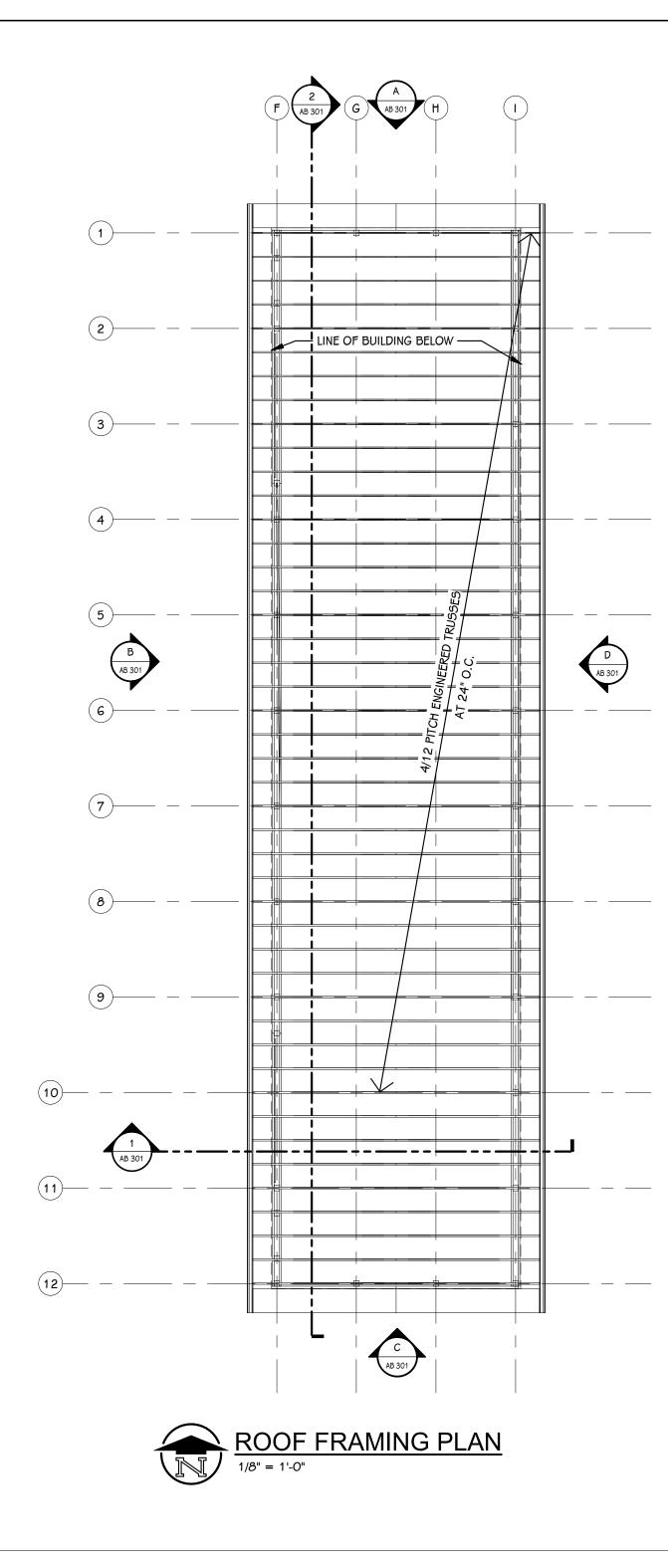
DOOR SCHEDULE - BUILDING B

				ノーレー																			
NUN	/IBER	ROOM	FIRE RATING		FIRE RATING DOOR			SIZE FRAME			DETAILS		ACCESS CONTROLS										
DOOR	ROOM	NAME	DOOR	FRAME	TYPE	MAT	FIN	WIDTH	HEIGHT	ELEV	MAT	FIN	HEAD	JAMB	SILL	GLASS	A-PHO NE	BARRIER- FREE	CARD READER	ELEC. LOCK HDWR.	MAG HOLD	HDWR. SET	REMARKS
101E	102	STORAGE	-	-	F	STL	FACTORY FINISH	3' - 0"	7' - 2"	1	НМ	PAINT	-	-	-	-	No	No	No	No	No	-	-
102A	102	STORAGE	-	-	F	STL	FACTORY FINISH	3' - 0"	7' - 2"	1	НМ	PAINT	-	-	-	-	No	No	No	No	No	1.0	-
102B	102	STORAGE	-	-	OHS	STL	FACTORY FINISH	12' - 0"	12' - 0"	-	STL	-	5 / AB 301	-	-	-	No	No	No	No	No	2.0	-
102C	102	STORAGE	-	-	OHS	STL	FACTORY FINISH	12' - 0"	12' - 0"	-	STL	-	5 / AB 301	-	-	-	No	No	No	No	No	2.0	-



2" TYP. SEE SCHED. 2" TYP. 1

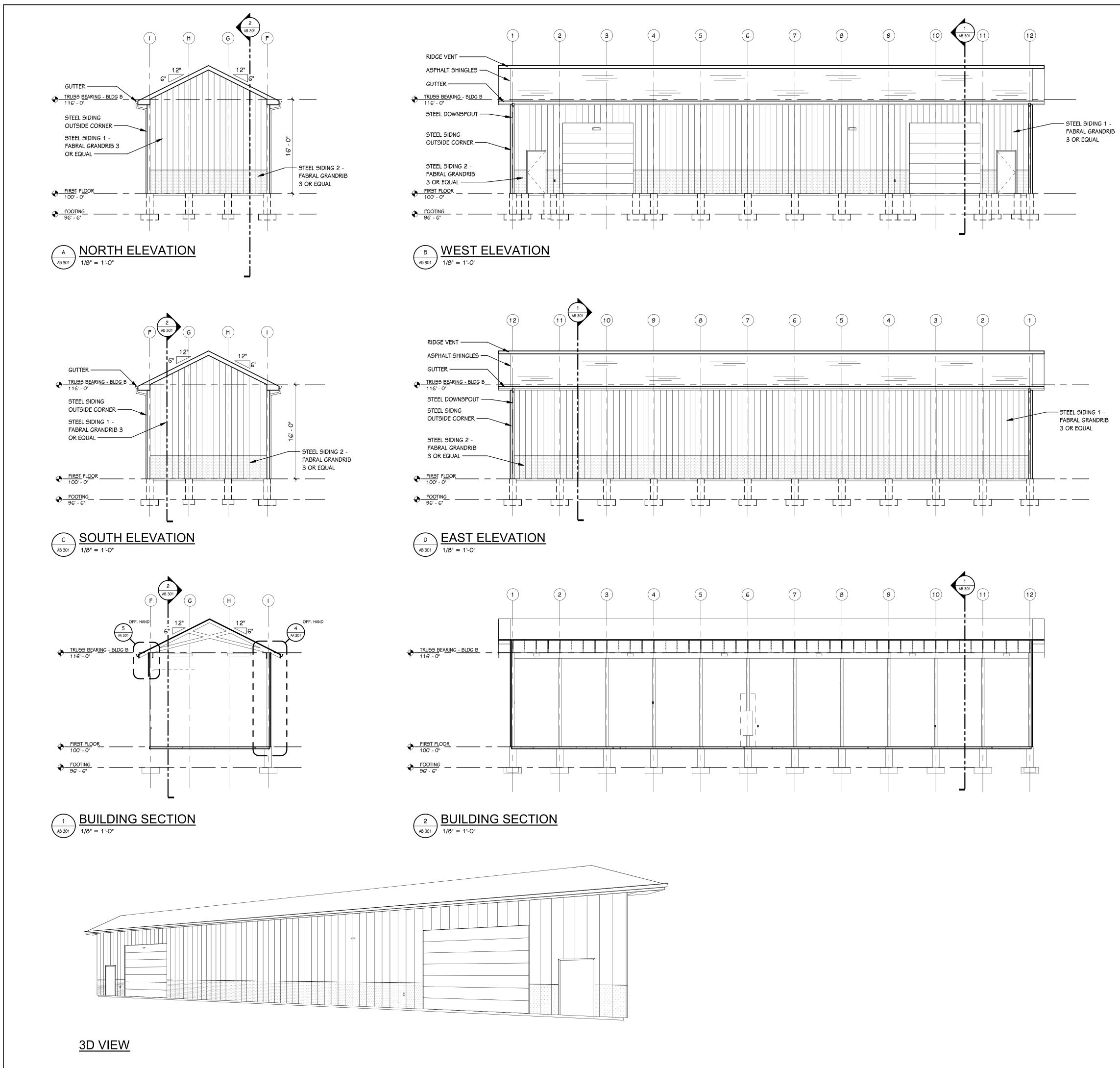
FRAME ELEVATION



GEN	IERAL	. NO	TES

- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- . REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- . REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.





EXTERIOR ELEVATION KEY Image:	TowerPinkster Architecture · Engineering · Interiors	4 East Fulton Street, Suite 200 242 East Kalamazoo Avenue, Suite 100 Grand Rapids, Michigan 49503 Kalamazoo, Michigan 49007-5828 616.456.9944 PHONE 616.456.5936 FAX 269.343.6133 PHONE 269.343.6633 FAX ТОWERPINKSTER.COM
	PORTAGE - NORTHERN FOR FOR FOR STORAGE BARNS	DATE
	PUBLIC	Ichigan

Portage, Michigan

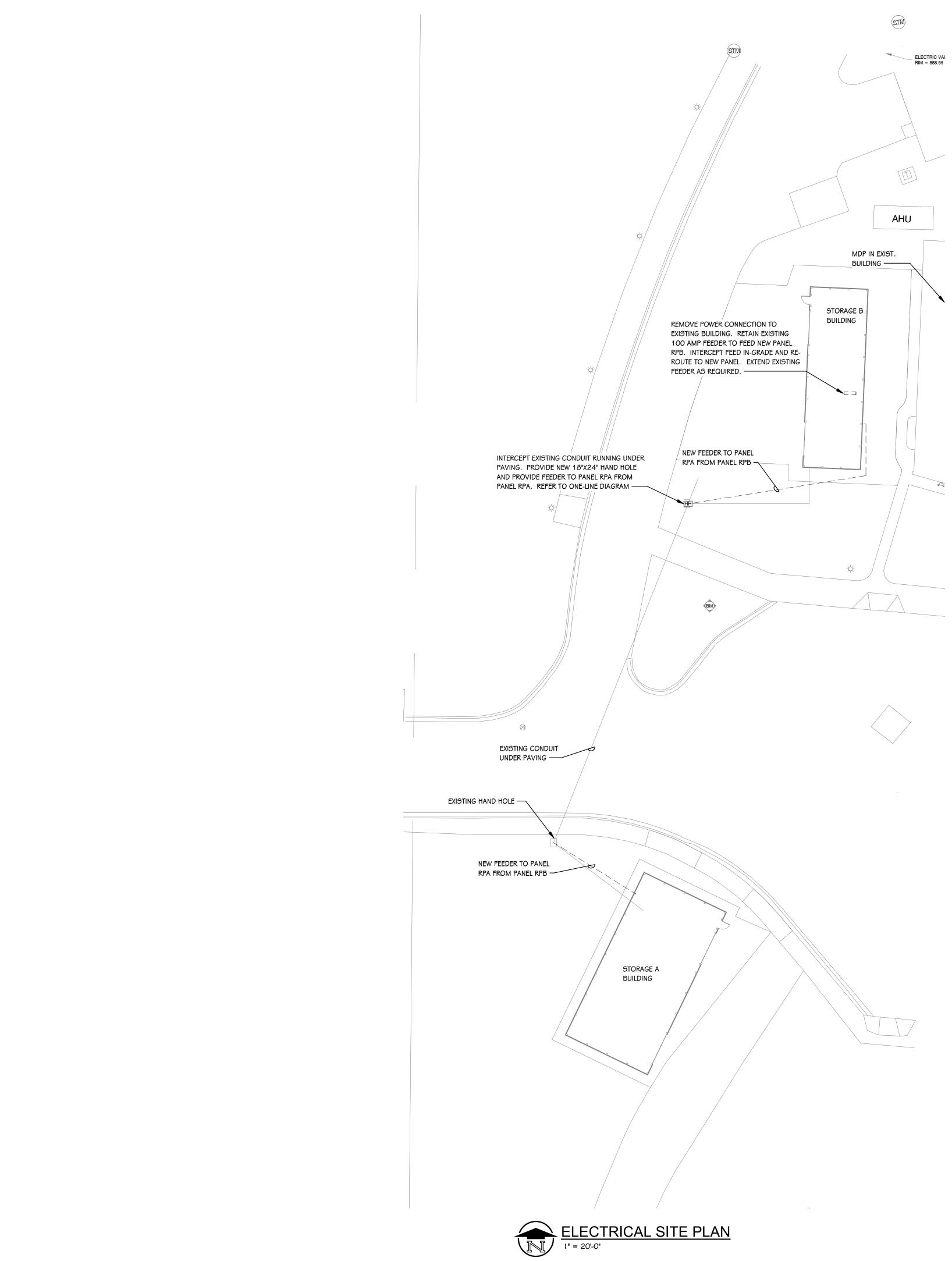
рате МАҮ 21, 2021

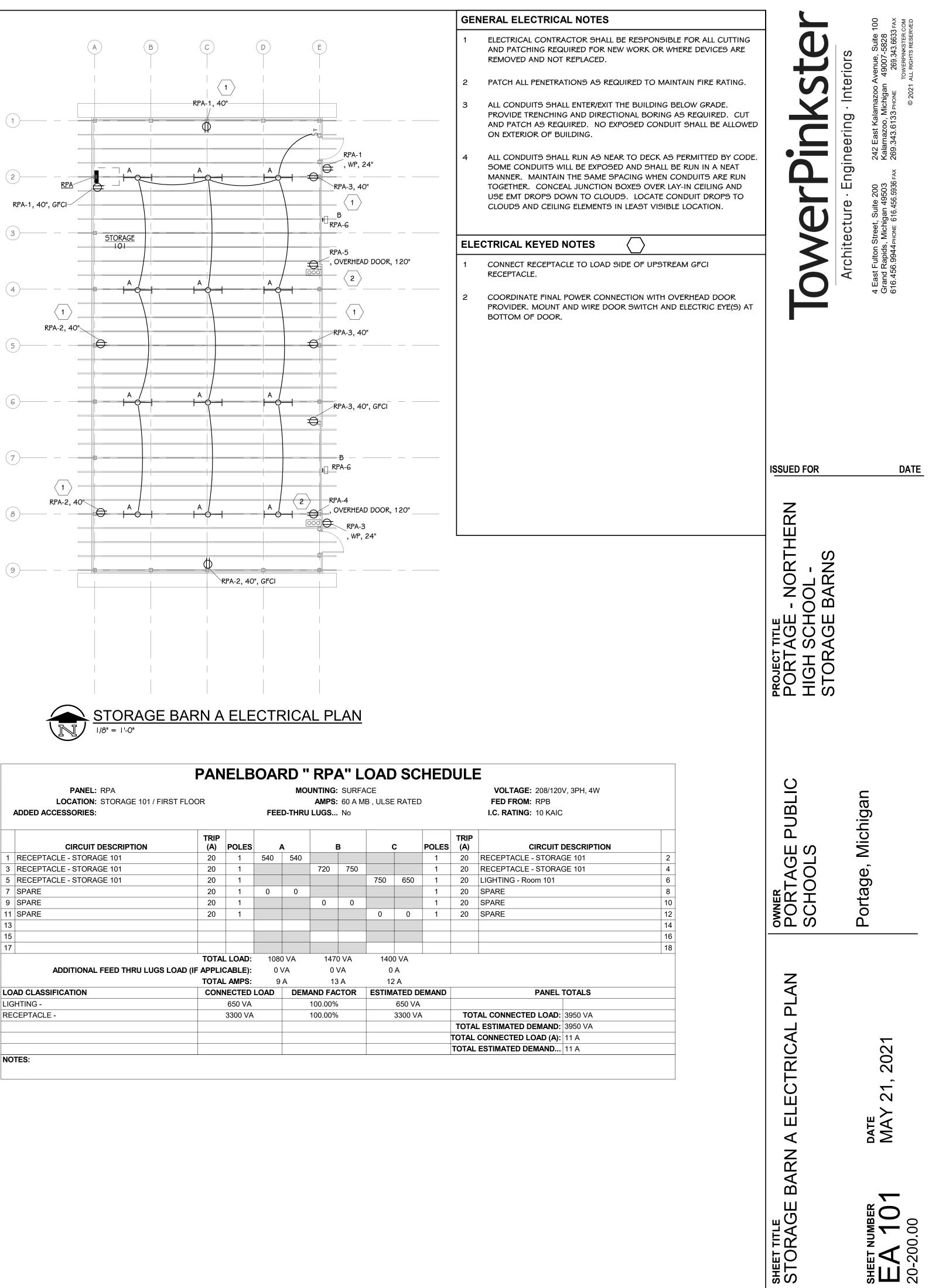
AB 301 20-200.00

OWNER PORTAGE SCHOOLS

BUILDING

SHEET TITLE EXTERIOR ELEVATIONS, SECTIONS, AND 3D VIEW





	PANEL: RPA	FAN		UAI	мо	ם NUN	
	LOCATION: STORAGE 101 / FIRS ADDED ACCESSORIES:	T FLOOR		FEE	D-THRU		
	CIRCUIT DESCRIPTION	TRIP (A)	POLES	Α			
1	RECEPTACLE - STORAGE 101	20	1	540	540		
3	RECEPTACLE - STORAGE 101	20	1				
5	RECEPTACLE - STORAGE 101	20	1				
7	SPARE	20	1	0	0		
9	SPARE	20	1				
11	SPARE	20	1				
13							
15							
17							
		ΤΟΤΑ	LLOAD:	108	0 VA		
	ADDITIONAL FEED THRU LUGS LO	DAD (IF APPLI	CABLE):	0	VA		
		TOTA	_ AMPS:	9	A		
LO	AD CLASSIFICATION	CON	CONNECTED LOAD			DEMAN	
LIG	HTING -		650 VA			100	
RECEPTACLE -			3300 VA			100	
NO	TES:						

TYPE DESCRIPTION INDUSTRIAL STRIP WALL LED WALL PACK

MOUNT CHAIN

ELECTRICAL SYMBOLS

SYMBOL DESCRIPTION LIGHTING SYMBOLS

DIMMER SWITCH SD

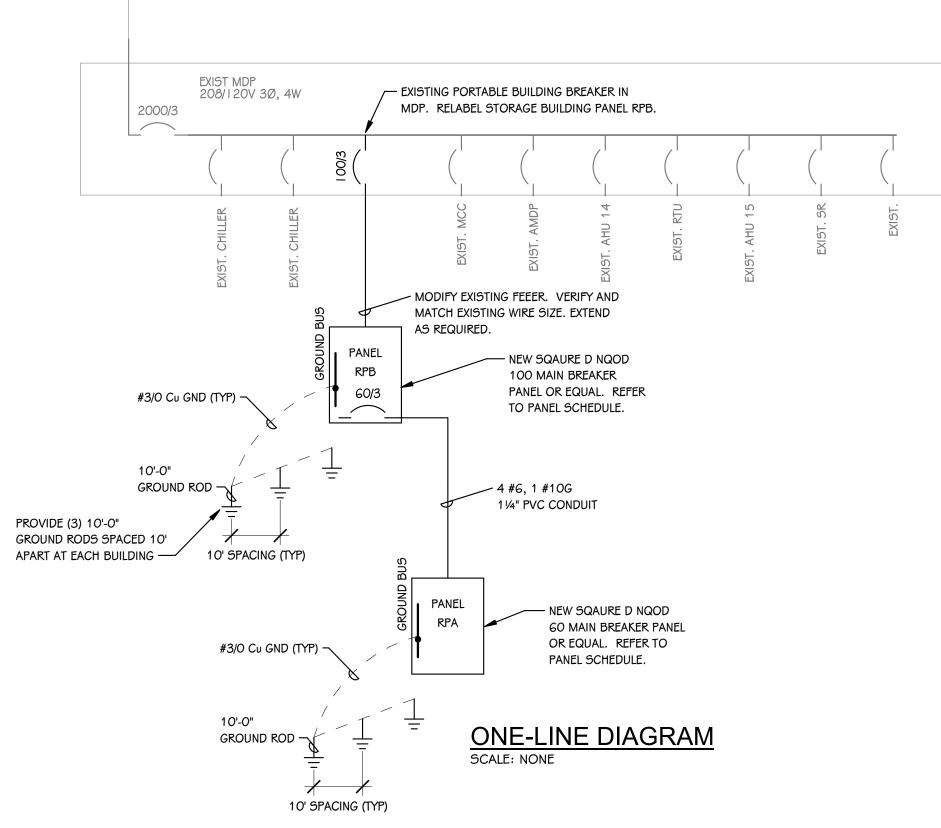
WALL MTD. LIGHT FIXTURE Ю INDUSTRIAL LIGHT FIXTURE

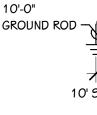
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RECEPTACLE SYMBOLS

€ DUPLEX RECEPTACLE DUPLEX RECEPTACLE - WITH GFI \oplus^{WP} DUPLEX RECEPTACLE - WET LOCATION ENCLOSURE WITH GFI

PANEL: RPB LOCATION: STORAGE 102 / FIRST FLOOR ADDED ACCESSORIES: FEE					MOUNTING: SURFACE AMPS: 100 A MB , ULSE RATED FEED-THRU LUGS No				D	VOLTAGE: 208/120V, 3PH, 4W FED FROM: MDP				
												I.C. RATING: 10 KAIC		
	CIRCUIT DESCRIPTION	TRIP (A)	POLES		A	E	3		C	POLES	TRIP (A)	CIRCUIT I	DESCRIPTION	
1	RECEPTACLE - STORAGE 102	20	1	720	540					1	20	RECEPTACLE - STORA	GE 102	
3	RECEPTACLE - STORAGE 102	20	1			540	750			1	20	RECEPTACLE - STORA	GE 102	
5	RECEPTACLE - STORAGE 102	20	1					750	650	1	20	LIGHTING - Room 102		
7	SPARE	20	1	0	0					1	20	SPARE		
9	SPARE	20	1			0	0			1	20	SPARE		
11	SPARE	20	1					0	0	1	20	SPARE		
13	SPARE	20	1	0	0					1	20	SPARE		
15	SPARE	20	1			0								
17														
19					1080					3	60	RPA		
21							1470							
23									1400					
		ΤΟΤΑ	LOAD:	234	0 VA	2760) VA	280) VA					
ADDITIONAL FEED THRU LUGS LOAD (IF			F APPLICABLE): 0 \			VA 0 VA		/A 0 A						
		TOTA	_ AMPS:	20) A	24	A	24	A					
	D CLASSIFICATION	CON	CONNECTED LOAD		DEMAND FACTOR		CTOR	ESTIMATED DEMAND		EMAND		PANEL	TOTALS	
LIG	ITING -		1300 VA		100.00%		,	1300 VA		۱				
REC	EPTACLE -		6600 VA		100.00%		6600 VA		۱	тот	AL CONNECTED LOAD:	7900 VA		
											TOTAL	ESTIMATED DEMAND:	7900 VA	
											TOTAL	CONNECTED LOAD (A):	22 A	
												ESTIMATED DEMAND		
	ES:	1			1			1					L	

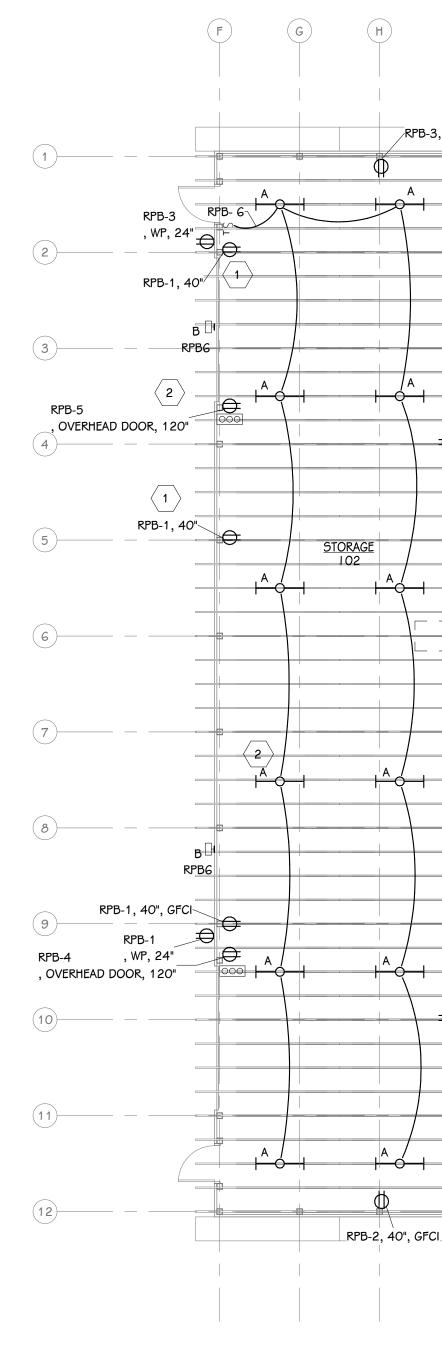




				_			
LIGHT FIXTURE SCHEDULE							
OUNTING	WATTS		MANUFACTURER	-			
IAIN	AIN 50 VA LITHONIA: CLX-L48-7000-SEF-WDL-WD-MVOLT-GZ10-40K-80CRI-WH-HC36						
LL 25 VA LITHONIA: # WST-LED-P2-40K-VF-MVOLT-PIH-COLOR							
L <u>S</u> <u>mountin</u>	<u>IG HEIGHTS</u>						
		POWER	<u>SYMBOLS</u>				
	40"		PANELBOARD	72" TO TOP			
			CIRCUIT BREAKER				
		000	PUSH-BUTTON STATION - 3 HOLE	40"			

	H비 FLUSH IN-GRADE HAND HOLE
16" 16"	NOTES: MOUNT DEVICES AT HEIGHTS INDICATED UNLESS INDICATED OTHERWISE ON PLANS. HEIGHTS ARE TO BOTTOM OF DEVICE.
24"	

PANELBOARD " RPB" LOAD SCHEDULE



	GENERAL ELECTRICAL NOTES		100 3 Fax com eved
$ \begin{pmatrix} F \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	1 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR NEW WORK OR WHERE DEVICES ARE REMOVED AND NOT REPLACED.		Suite 5828 3.663 KSTER RESEF
	2 PATCH ALL PENETRATIONS AS REQUIRED TO MAINTAIN FIRE RATING.		IFILEFTOLS azoo Avenue, { higan 49007-{ one 269.34 TowerPin
RPB-3, 40", GFCI	3 ALL CONDUITS SHALL ENTER/EXIT THE BUILDING BELOW GRADE.		242 East Kalamazoo A Kalamazoo, Michigan 269.343.6133 PHONE 269.343.013
	PROVIDE TRENCHING AND DIRECTIONAL BORING AS REQUIRED. CUT AND PATCH AS REQUIRED. NO EXPOSED CONDUIT SHALL BE ALLOWED ON EXTERIOR OF BUILDING.		TINU Ist Kala azoo, N 3.6133
RPB-3 RPB-6 , WP, 24"	4 ALL CONDUITS SHALL RUN AS NEAR TO DECK AS PERMITTED BY CODE.		П ССІ Хаlатк 269.34
RPB-1, 40"	SOME CONDUITS WILL BE EXPOSED AND SHALL BE RUN IN A NEAT MANNER. MAINTAIN THE SAME SPACING WHEN CONDUITS ARE RUN		LAX LAX
	TOGETHER. CONCEAL JUNCTION BOXES OVER LAY-IN CEILING AND USE EMT DROPS DOWN TO CLOUDS. LOCATE CONDUIT DROPS TO CLOUDS AND CEILING ELEMENTS IN LEAST VISIBLE LOCATION.		C • D ite 200 49503 456.593
RPBG			Archildeclure • E 4 East Fulton Street, Suite 200 Grand Rapids, Michigan 49503 616.456.9944 PHONE 616.456.5936
	ELECTRICAL KEYED NOTES		DILE ton Str bids, M 944 PHO
ERHEAD DOOR, 120" RPB-3, 40"	1 CONNECT RECEPTACLE TO LOAD SIDE OF UPSTREAM GFCI RECEPTACLE.		AIC ast Ful 3.456.9
	2 COORDINATE FINAL POWER CONNECTION WITH OVERHEAD DOOR PROVIDER. MOUNT AND WIRE DOOR SWITCH AND ELECTRIC EYE(S) AT		4 616 616
RPB-1, 40"	BOTTOM OF DOOR.		
RPB-2, 40" 1			
		ISSUED FOR	DATE
B RPB6		N N N	
RPB-1, 40", GFCI		HERN	
RPB-1		ORT L - RNS	
HEAD DOOR, 120" A / A / A / A / A / A / A / A / A / A		ZO∢	
		ш Ц Ц Ц Ц Ц Ц Ц Ц Ц	
		GH OR OR	
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STORAGE BARN B ELECTRICAL PLAN			Portage, Michigan
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