# **PORTAGE - NORTHERN HIGH SCHOOL -**STORAGE BARNS

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

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

**CIVIL CONSULTANT** 

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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** 

РО

OWNER PORTAGE SCHOOLS

DATE

| PROJECT TITLE<br>PORTAGE - NORTHERN<br>HIGH SCHOOL -<br>STORAGE BARNS |
|---|
| BLIC  |

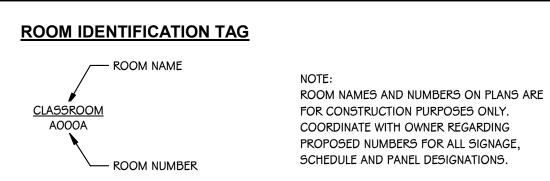
TowerPinkster Architecture · Engineering · Interiors



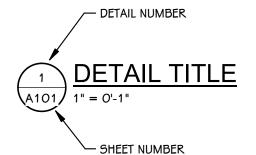
Portage, Michigan

**G 001** 20-200.00

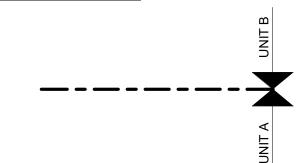




#### DETAIL TITLE

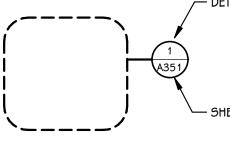


#### UNIT MATCHLINES



#### **TYPICAL NOTATION SYMBOLS**

CALLOUT REFERENCE BUBBLE



- DETAIL NUMBER - SHEET NUMBER

EXTERIOR ELEVATION REFERENCE BUBBLE

INTERIOR ELEVATION REFERENCE BUBBLE

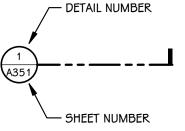
- ELEVATION LETTER

- SHEET NUMBER

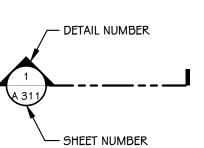
- ELEVATION NUMBER

- 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

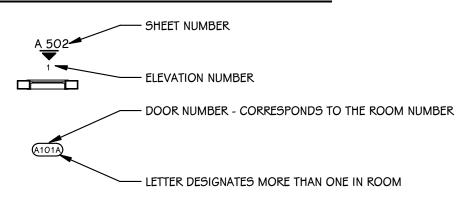
AND BUILDING SECTIONS

REFLECTED CEILING PLANS

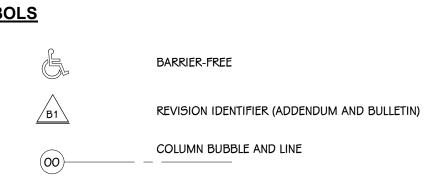
AND BUILDING SECTIONS

REFLECTED CEILING PLANS

#### BORROWED LIGHT AND DOOR IDENTIFICATION



## SYMBOLS



# GENERAL DEMOLITION NOTES

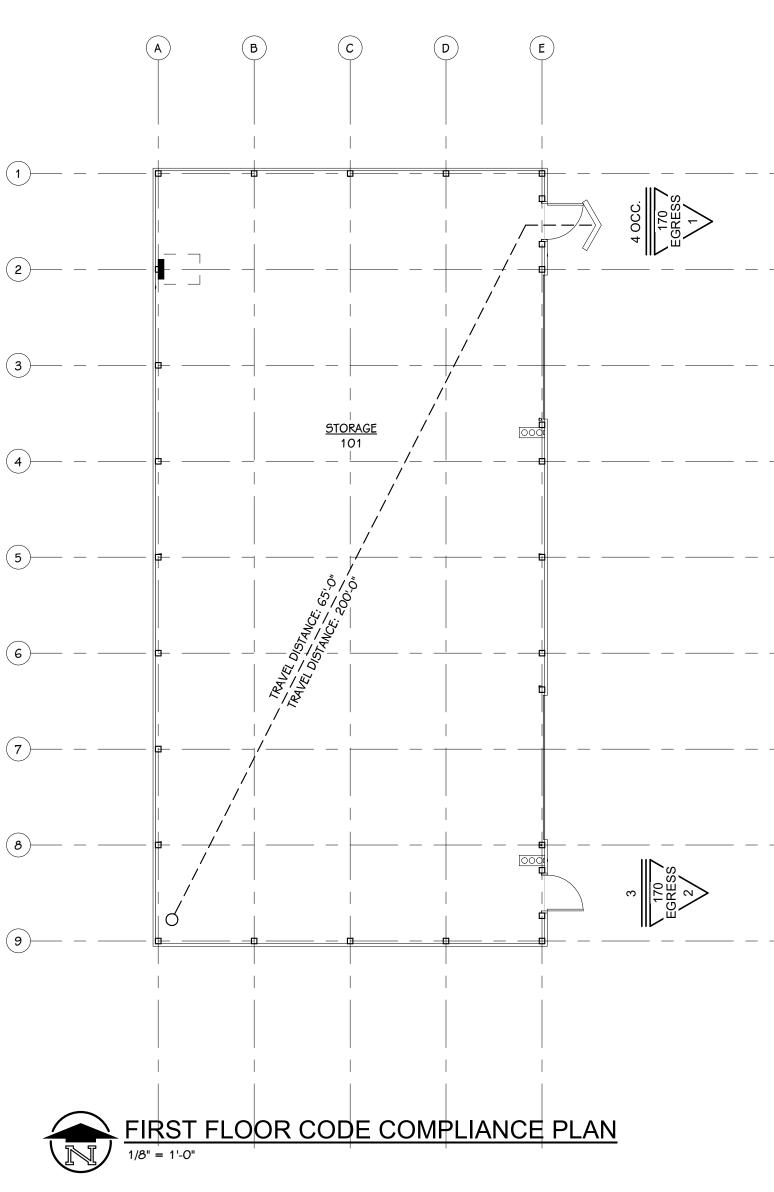
- 1. CONTRACTORS ARE REQUIRED TO INSPECT/REVIEW THE EXISTIN RELATED DEMOLITION WORK. UNLESS NOTED OTHERWISE, REM FLOOR OR CEILING INCLUDES ALL GENERAL MECHANICAL AND WHICH ARE A PART OF, OR ATTACHED TO IT.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING JOB SITE CONDITION AND BE RESPONSIBLE FOR THE SAME. ADVISE 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**

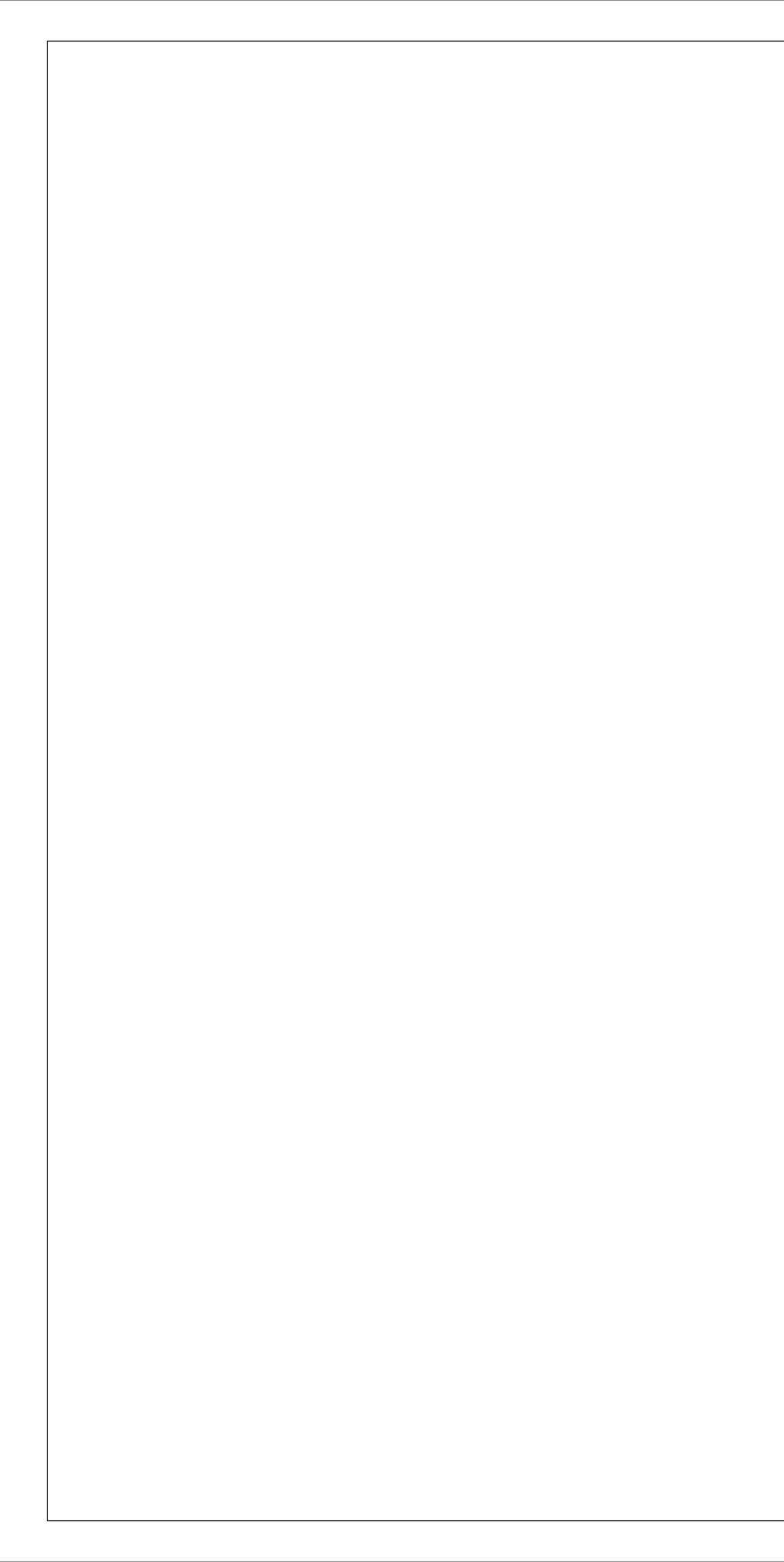
- 1. THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEM FROM TO COMMENCEMENT OF CONTRACTED DEMOLITION WORK.
- 2. ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED BEFORE
- 3. DIMENSIONS GIVEN ARE ACTUAL AND ARE TO THE FACE OF MA THE FACE OF STUD FRAMING, UNLESS NOTED OTHERWISE.
- 4. DETAILS SHOWN ILLUSTRATE 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.

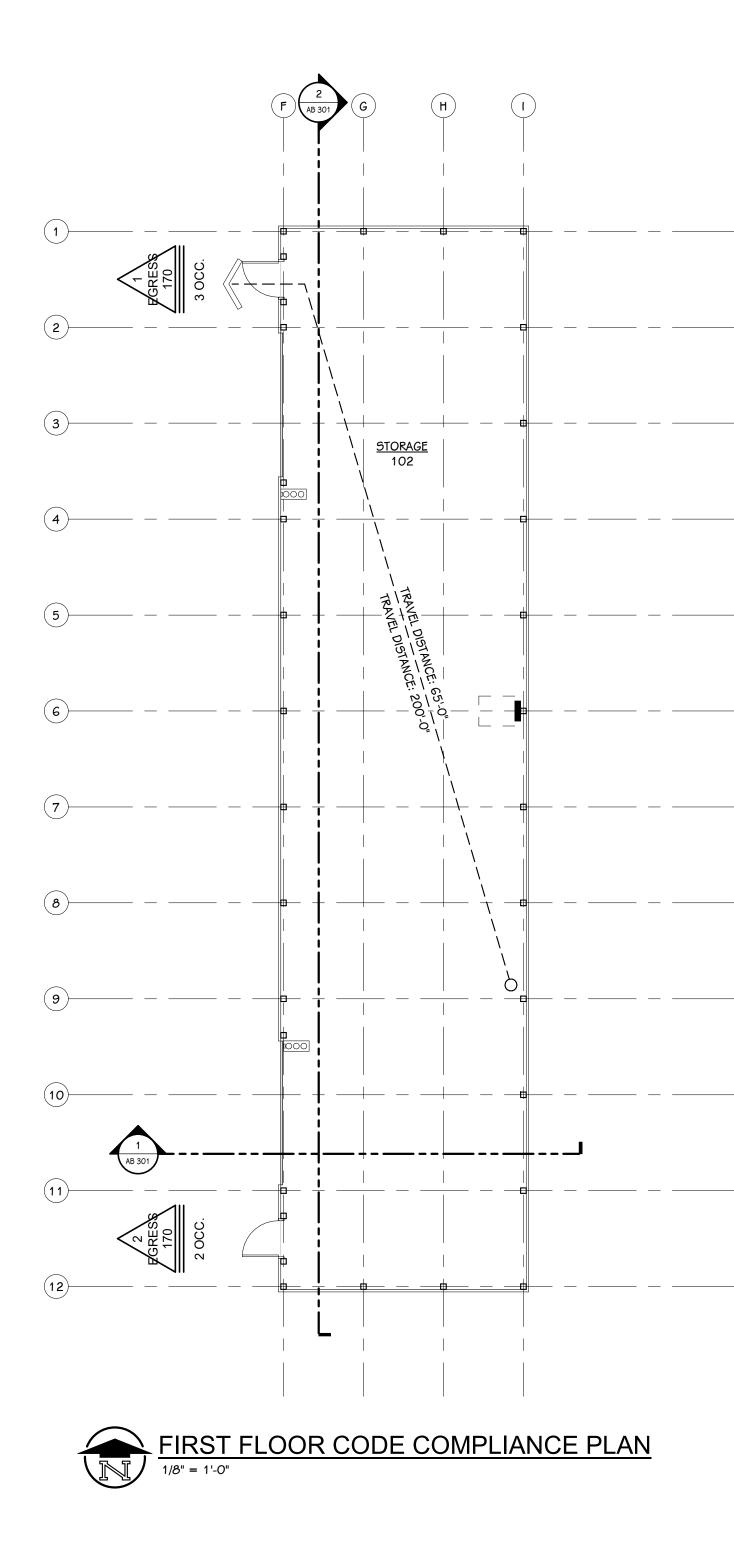
| ING BUILDING PRIOR TO<br>EMOVAL OF ANY WALL,<br>DELECTRICAL ITEMS |   |
|---|---|
| DNS AND DIMENSIONS<br>DN MANAGER OF ANY                           |   |
| NSTRUCTION AND  | ( |
|   | ( |
| FOR ADDITIONAL  |   |
| RICAL PLANS FOR   | ( |
| ONSTRUCTION, IF   |   |
| ATTACHED TO THE WALL<br>ES, MARKERBOARDS,                         | ( |

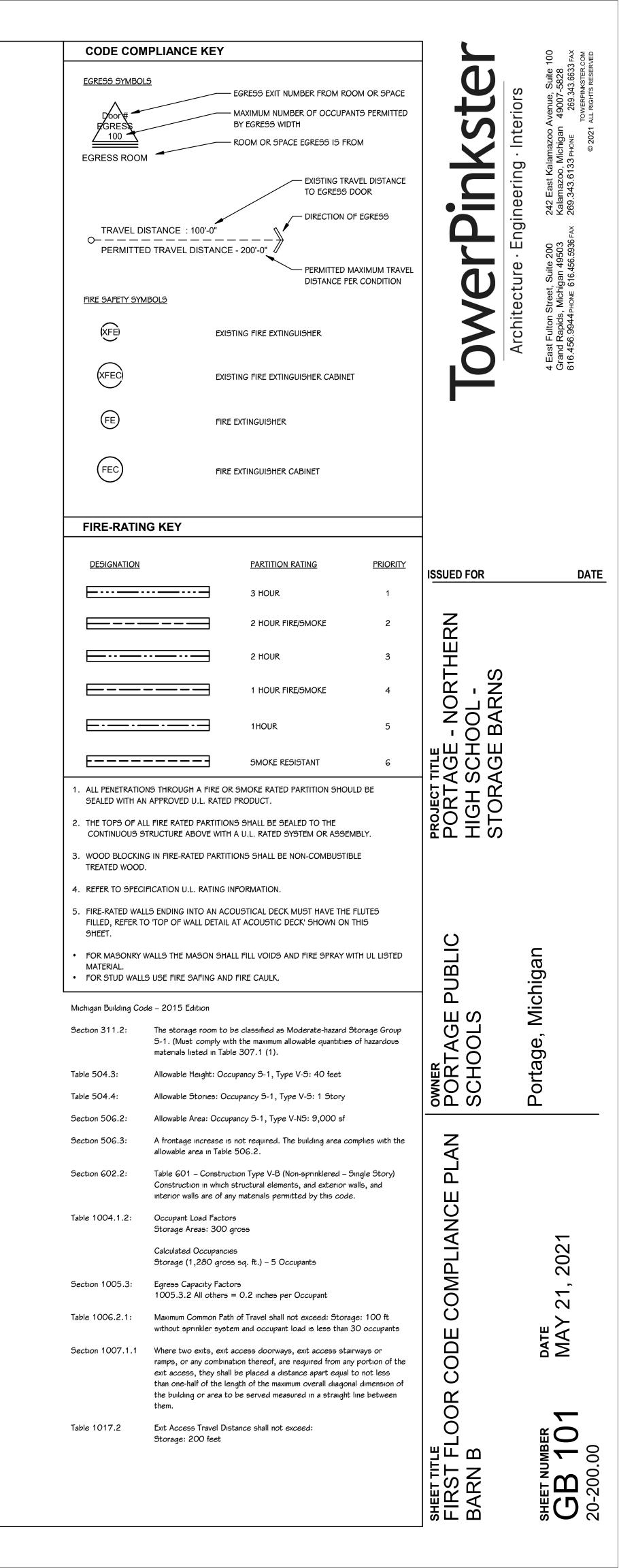
| M THE PROJECT PRIOR  |  |  |
|--|--|--|
| RE WORK BEGINS.  |  |  |
| IASONRY UNITS OR TO  |  |  |
| Ble Conditions. For<br>fion in Question.<br>Ructure/Deck Above                     |  |  |
| IU WALL ASSEMBLIES AT<br>DOOR JAMBS, UNLESS<br>E CORNERS AT ALL<br>S (AGOO SHEETS) |  |  |
| ALL BULLNOSE BLOCK   |  |  |
| IINIMUM OF 20 GAGE.  |  |  |



| EGRESS SYMBO<br>Door<br>FGRESS<br>100<br>EGRESS ROOM |   | EGRESS EXIT NUMBER FROM RG<br>MAXIMUM NUMBER OF OCCUP/<br>BY EGRESS WIDTH<br>ROOM OR SPACE EGRESS IS FI<br>EXISTING TR<br>TO EGRESS<br>DIRECTION<br>NCE - 200'-0"<br>PERMITTED                                | ANTS PERMITTED<br>ROM<br>AVEL DISTANCE<br>DOOR                       | r<br>Pink  | Architecture • Engineering • Interiors<br>4 East Fulton Street, Suite 200 242 East Kalamazoo Avenue, Suite 100<br>Grand Rapids, Michigan 49503 Kalamazoo, Michigan 49007-5828<br>616.456.9944 PHONE 616.456.5936 FAX 269.343.6133 PHONE 269.343.6633 FAX<br>TOWERPINKSTER.COM |
|--|---|---|--|--|---|
| FIRE SAFETY SYN                                      | MBOLS   | DISTANCE  |  |  | CCCC<br>Street, (<br>Michig<br>PHONE 6:   |
| (XFE)  |   | EXISTING FIRE EXTINGUISHER  |  |  | Architectur<br>ist Fulton Street, Sui<br>od Rapids, Michigan<br>456.9944 PHONE 616.4  |
| (XFEC)   |   | EXISTING FIRE EXTINGUISHER CABINI   | ET   |  | A Eas<br>Granc<br>616.4   |
| FE   |   | FIRE EXTINGUISHER   |  |  |   |
| FEC  |   | FIRE EXTINGUISHER CABINET   |  |  |   |
| FIRE-RATIN   | NG KEY  |   |  | -  |   |
| DESIGNATION  |   | PARTITION RATING  | PRIORITY   | ISSUED FOR   | DATE  |
| <u> </u>   | ···· — ··· —  | 3 HOUR  | 1  |  |   |
|  |   | 2 HOUR FIRE/SMOKE   | 2  |  |   |
| <u> </u>   | ••••••  | 2 HOUR  | 3  | LHE S  |   |
|  |   | 1 HOUR FIRE/SMOKE   | 4  | RN - N   |   |
| <u> </u>   |   | 1 HOUR  | 5  | BAO'N  |   |
| E  |   | SMOKE RESISTANT   | 6  |  |   |
|  | DNS THROUGH A FIF<br>N APPROVED U.L. R  | RE OR SMOKE RATED PARTITION SHO<br>ATED PRODUCT.  | ULD BE   | H S H  |   |
|  |   | TIONS SHALL BE SEALED TO THE<br>WITH A U.L. RATED SYSTEM OR ASSE  | EMBLY.   | PORT<br>HIGH<br>STOR                                 |   |
| 3. WOOD BLOCKIN                                      | NG IN FIRE-RATED PA   | ARTITIONS SHALL BE NON-COMBUSTI   |  |  |   |
| TREATED WOOD<br>4. REFER TO SPEC                     |   | ING INFORMATION.  |  |  |   |
|  |   | N ACOUSTICAL DECK MUST HAVE THI<br>TAIL AT ACOUSTIC DECK' SHOWN ON  |  |  |   |
| FOR MASONRY     MATERIAL.                            | WALLS THE MASON<br>LS USE FIRE SAFING   | SHALL FILL VOIDS AND FIRE SPRAY   | MITH UL LISTED   | PUBLIC   | iigan   |
| Michigan Building Co                                 | ode - 2015 Edition  |   |  | ы<br>П<br>П<br>П<br>П<br>П                           | Aich  |
| Section 311.2:                                       | S-1. (Must comp   | n to be classified as Moderate-hazard<br>Ny with the maximum allowable quantitie<br>1 Table 307.1 (1).  |  | TAG  | Portage, Michigan   |
| Table 504.3:<br>Table 504.4:                         | -   | : Occupancy S-1, Type V-S: 40 feet<br>5: Occupancy S-1, Type V-S: 1 Story   |  | POR<br>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<br>Table 506.2.  | omplies with the   | PLAN   |   |
| Section 602.2:                                       | Construction in w   | struction Type V-B (Non-sprinklered –<br>hich structural elements, and exterior<br>of any materials permitted by this cod   | walls, and   |  |   |
| Table 1004.1.2:                                      | Occupant Load F<br>Storage Areas: 3   |   |  |  | <b>~</b>  |
|  | Calculated Occup<br>Storage (2,048  | pancies<br>gross sq. ft.) - 7 Occupants   |  |  | 202   |
| Section 1005.3:                                      | Egress Capacity<br>1005.3.2 All ot  | Factors<br>hers = 0.2 inches per Occupant   |  |  |   |
| Table 1006.2.1:                                      |   | n Path of Travel shall not exceed: Stor<br>system and occupant load is less than  | •  | YMB<br>YMB   | ц<br>Ч  |
| Section 1007.1.1                                     | Where two exits,<br>ramps, or any co<br>exit access, they<br>than one-half of t | exit access doorways, exit access sta<br>mbination thereof, are required from an<br>shall be placed a distance apart equa<br>he length of the maximum overall diago<br>rea to be served measured in a straigh | airways or<br>ny portion of the<br>I to not less<br>nal dimension of | OR CODE<br>(PICAL S'<br>VOTES                        | DATE  |
| Table 1017.2   | Exit Access Trave<br>Storage: 200 fe  | el Distance shall not exceed:<br>et   |  | SHEET TITLE<br>FIRST FLOO<br>BARN A, TY<br>GENERAL N | SHEET NUMBER<br>GA 10'<br>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.
- 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.
- CONTACT "MISS DIG" 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 "MISS DIG" ALERT SYSTEM. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- 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.

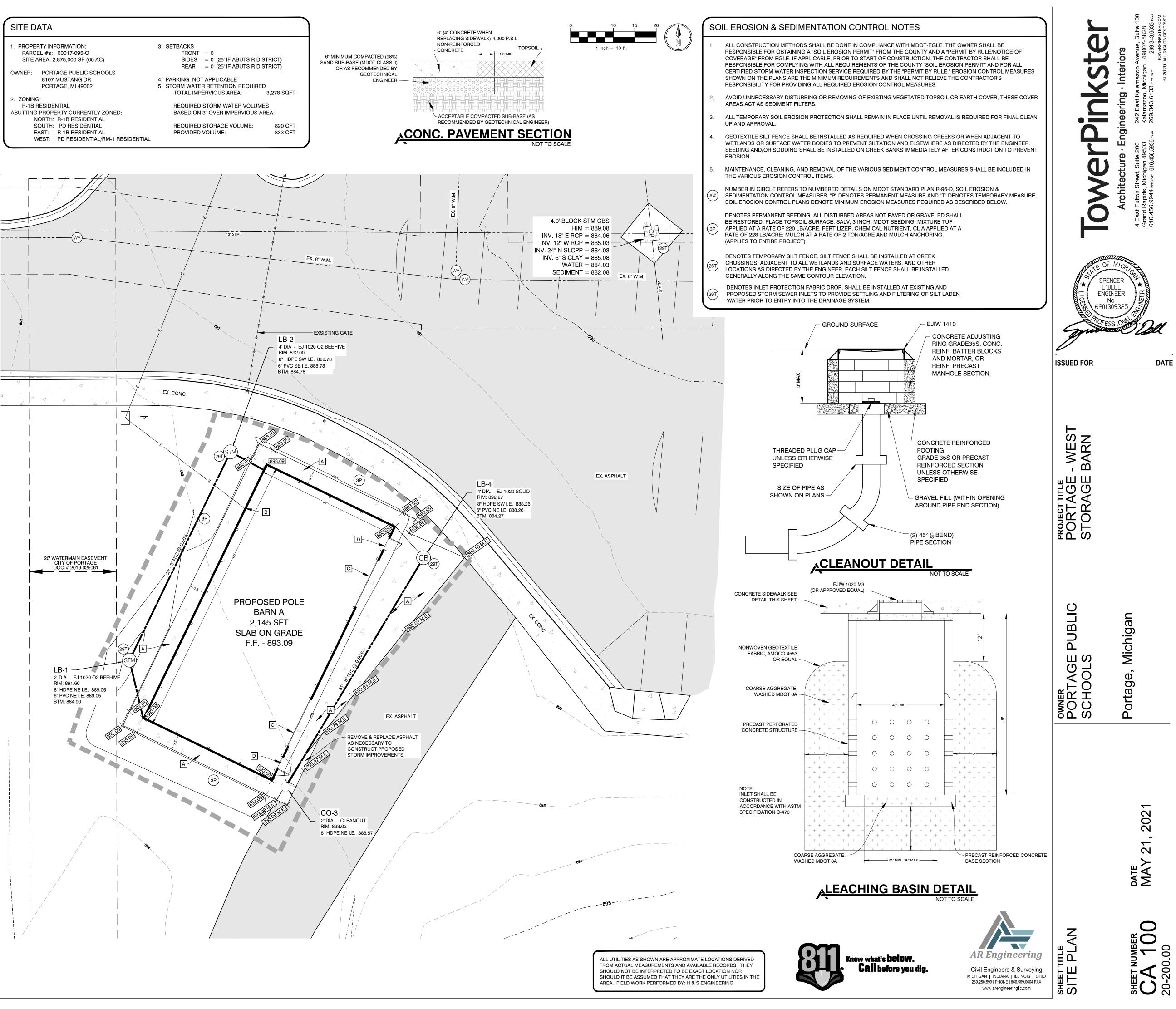
#### **GENERAL NOTES**

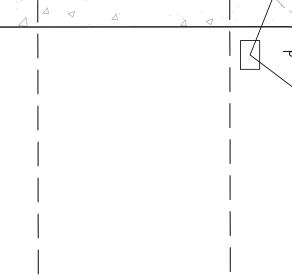
- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- . IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

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

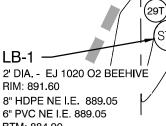
- SITE AREA: 2,875,000 SF (66 AC)
- 8107 MUSTANG DR

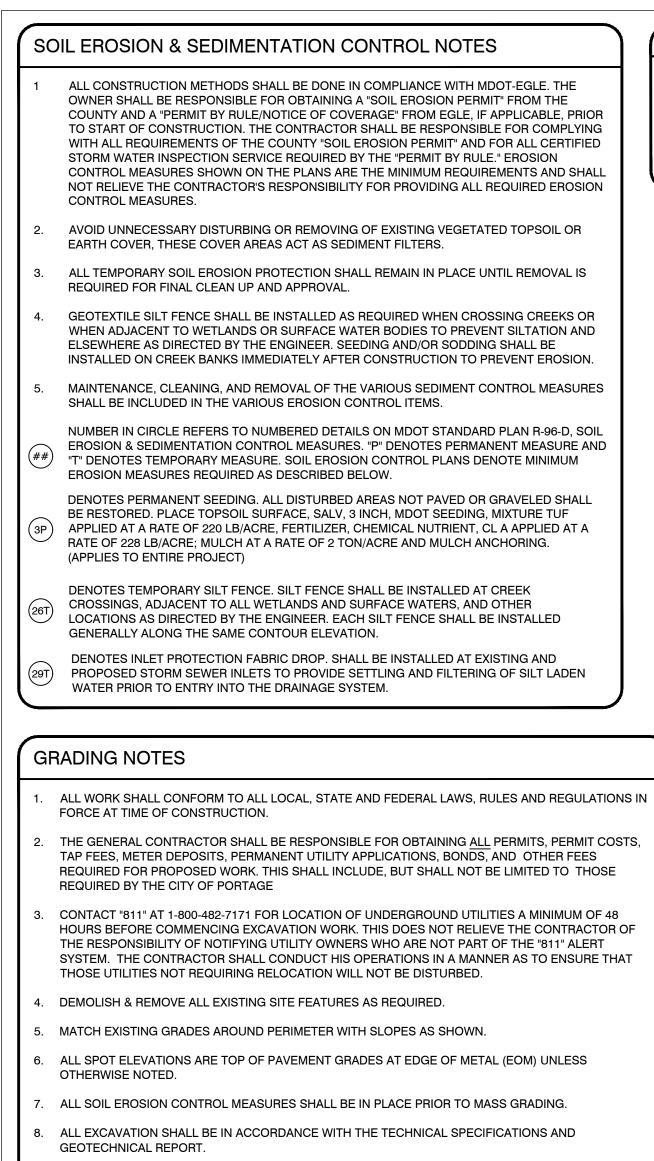
R-1B RESIDENTIAL NORTH: R-1B RESIDENTIAL SOUTH: PD RESIDENTIAL











- 9. ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
- 10. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF OCCURS.
- 11. 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

- 1. 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.
- 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING <u>ALL</u> PERMITS, PERMIT COSTS, TAP FEES, METER DEPOSITS, PERMANENT UTILITY APPLICATIONS, BONDS, AND OTHER FEES REQUIRED FOR PROPOSED WORK.
- 4. CONTACT "MISS DIG" 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 "MISS DIG" ALERT SYSTEM. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- 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:

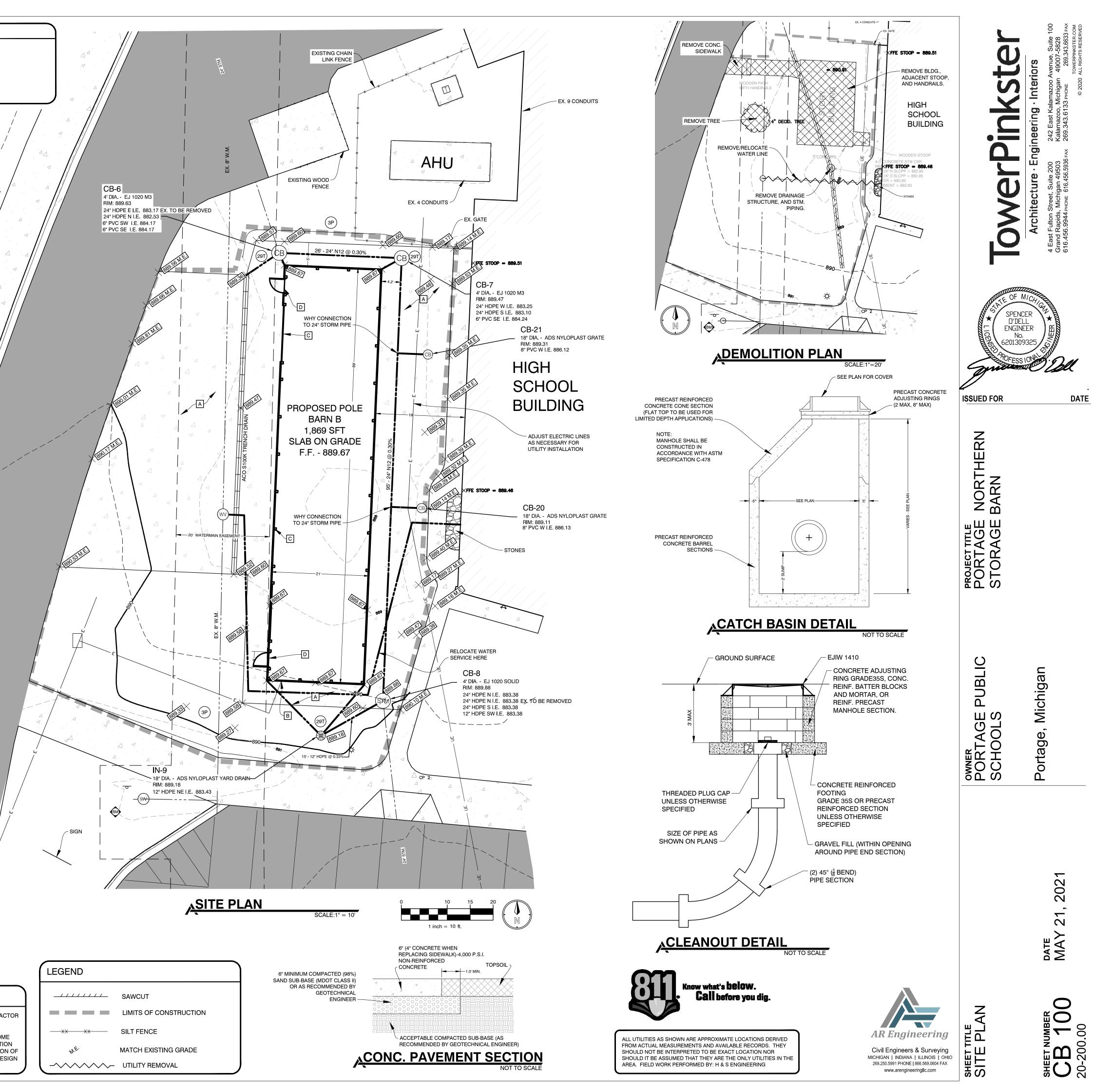
- 1. SOILS EXPOSED IN THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGES IN CONDITION SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. SURFACE RUN-OFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATION AND NOT ALLOWED TO POND. IF POSSIBLE, ALL FOOTING CONCRETE SHOULD BE POURED THE SAME DAY THE EXCAVATION IS MADE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED.
- 2. REMOVE ALL SUBGRADE GRADE MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC. AND REPLACE WITH COMPACTED GRANULAR FILL.
- 3. THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
- 4. 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.
- 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.

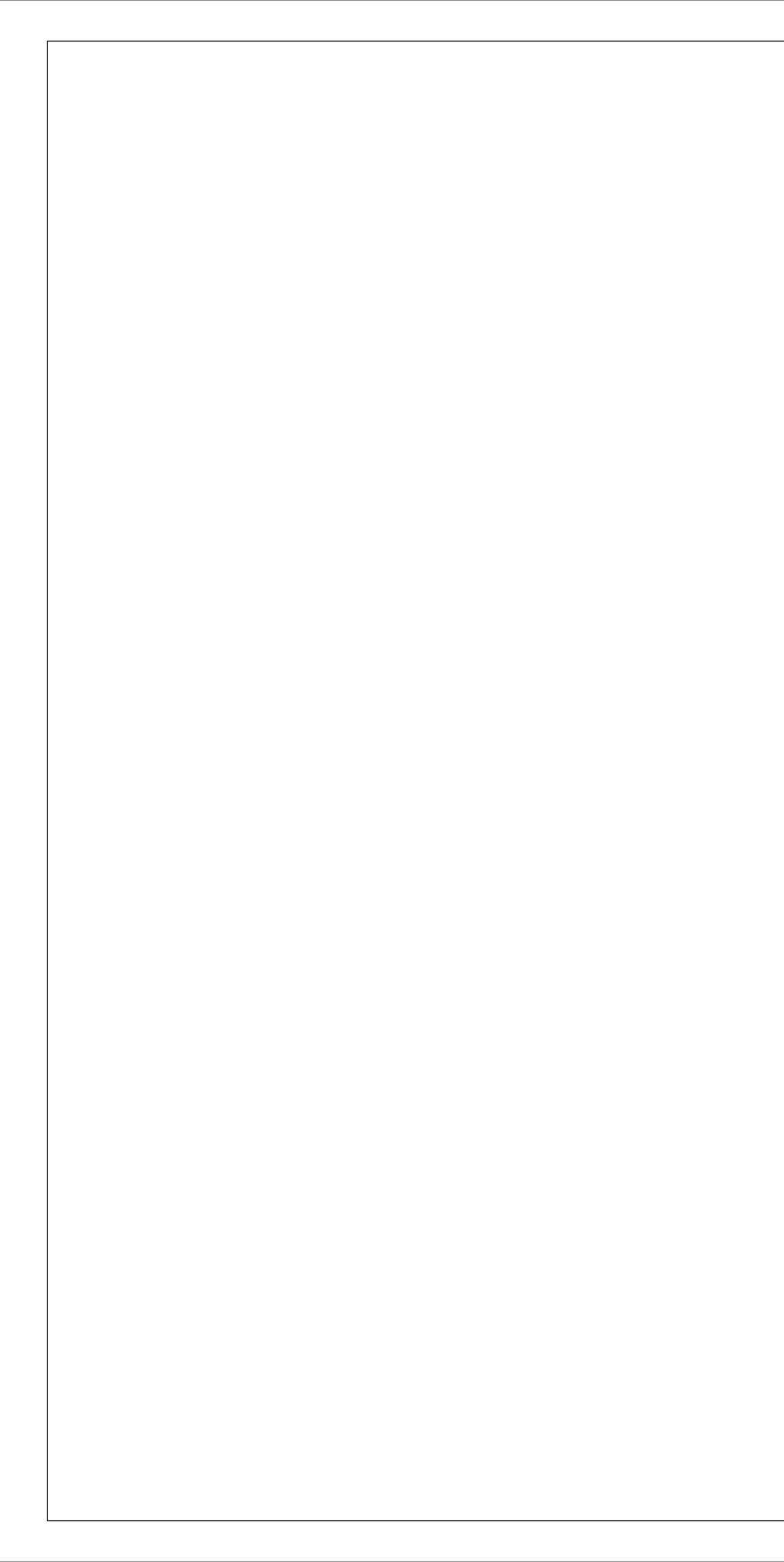
SITE PLAN NOTES

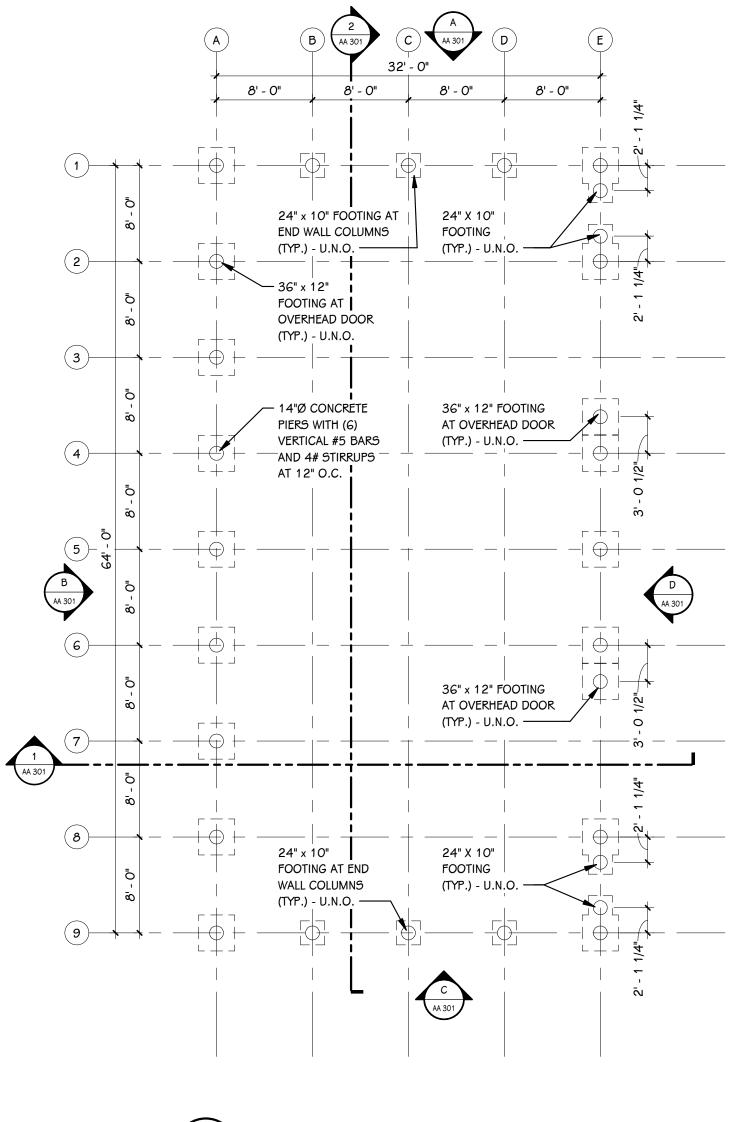
- A. 6" CONCRETE PAVEMENT (SEE DETAIL THIS SHEET)
- B. CONNECT ELECTRIC SERVICE AND METER, COORDINATE WITH UTILITY PROVIDER
- C. 10' OVERHEAD DOOR
- D. MAN DOOR

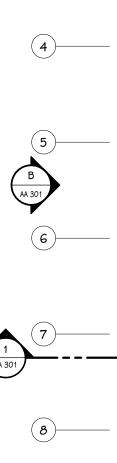
**GENERAL NOTES** 

- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- 2. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.









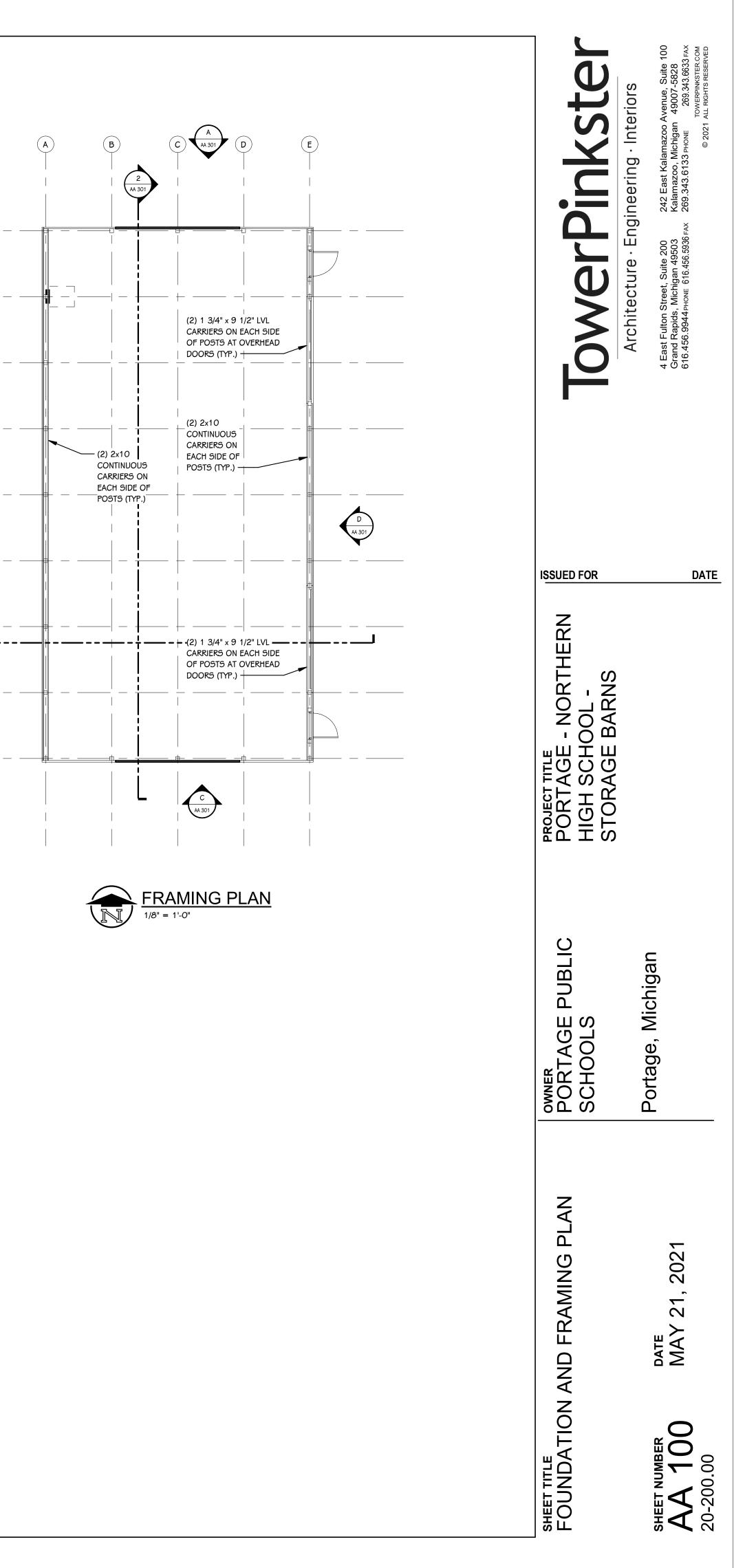
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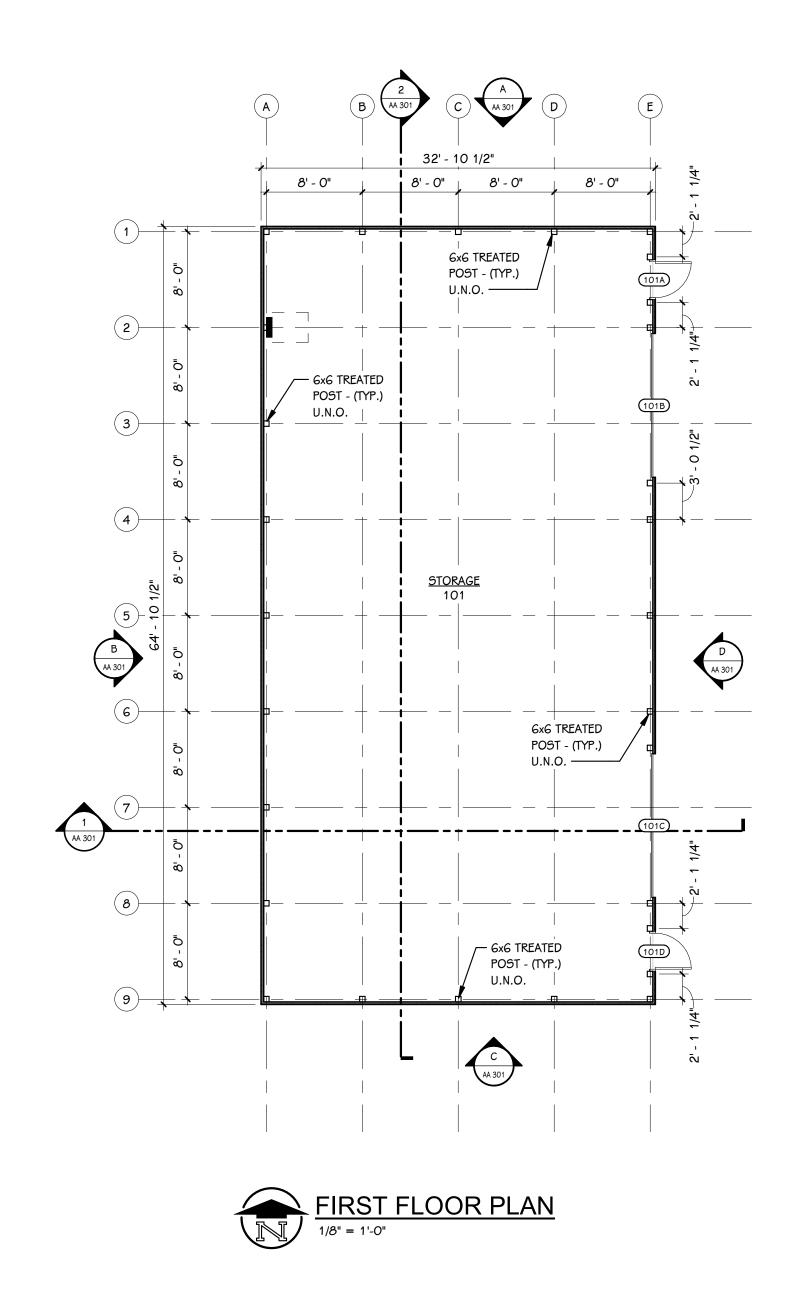
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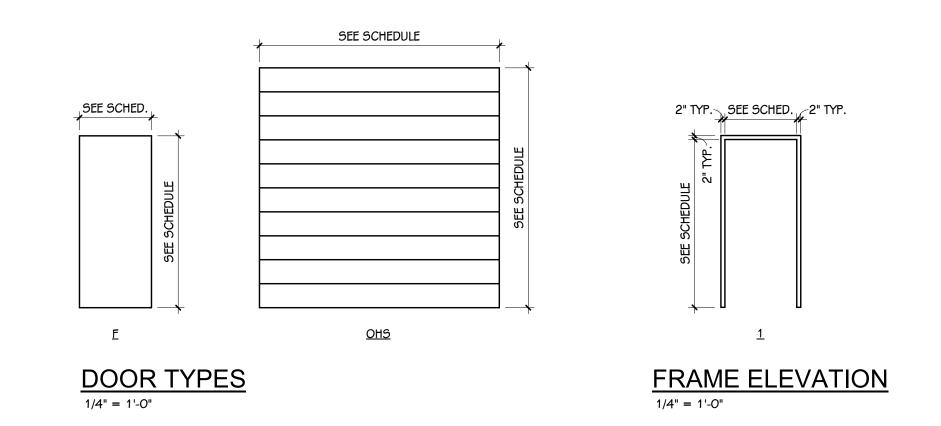
3)-

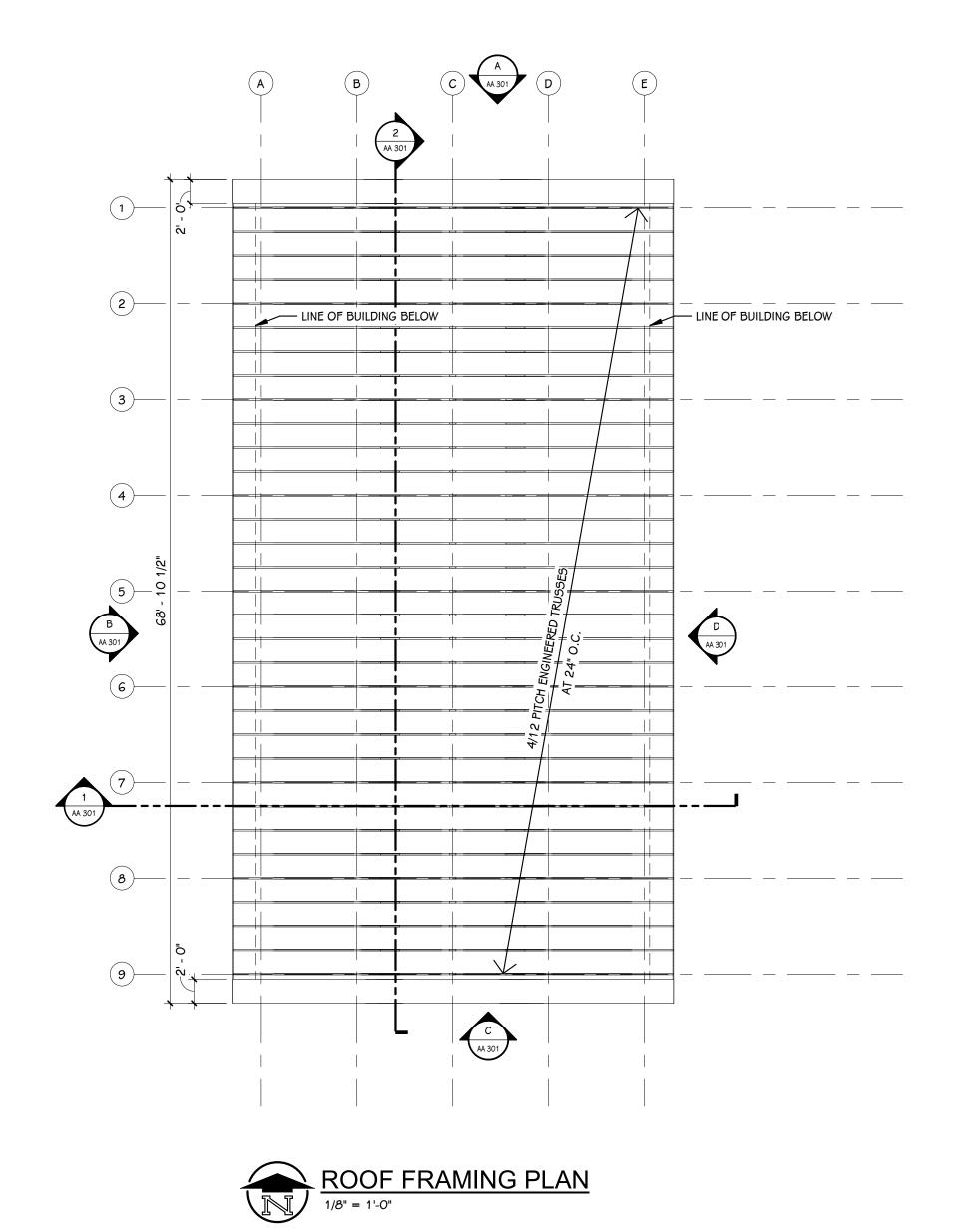
FOUNDATION PLAN 1/8" = 1'-0"





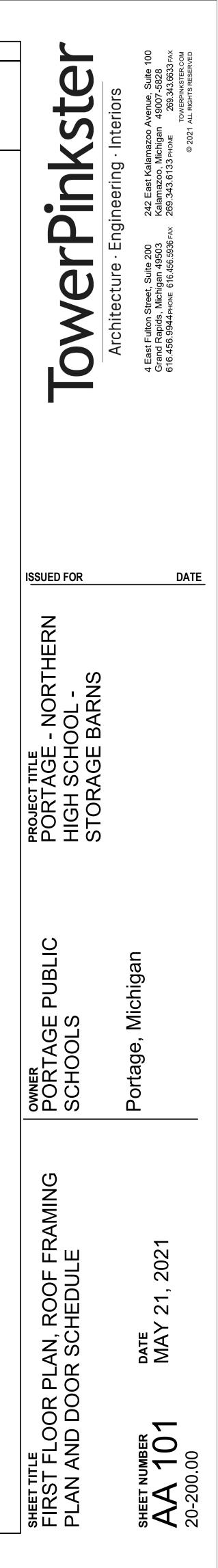
| DOOF   | R SCH | EDUL         | E - Bl | JILDIN      | IG A |      |                |          |          |      |       |       |            |         |      |       |             |                  |                |                     |             |              |         |
|--------|-------|--------------|--------|-------------|------|------|----------------|----------|----------|------|-------|-------|------------|---------|------|-------|-------------|------------------|----------------|---------------------|-------------|--------------|---------|
| NUMBER |       | FIRE RATING  |        | FIRE RATING |      | DOOR |                | SI       | ZE       |      | FRAME |       |            | DETAILS |      |       |             | ACO              | CESS CONT      | TROLS               |             |              |         |
| DOOR   | ROOM  | ROOM<br>NAME | DOOR   | FRAME       | TYPE | MAT  | FIN            | WIDTH    | HEIGHT   | ELEV | MAT   | FIN   | HEAD       | JAMB    | SILL | GLASS | A-PHO<br>NE | BARRIER-<br>FREE | CARD<br>READER | ELEC. LOCK<br>HDWR. | MAG<br>HOLD | HDWR.<br>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          | -            | -       |

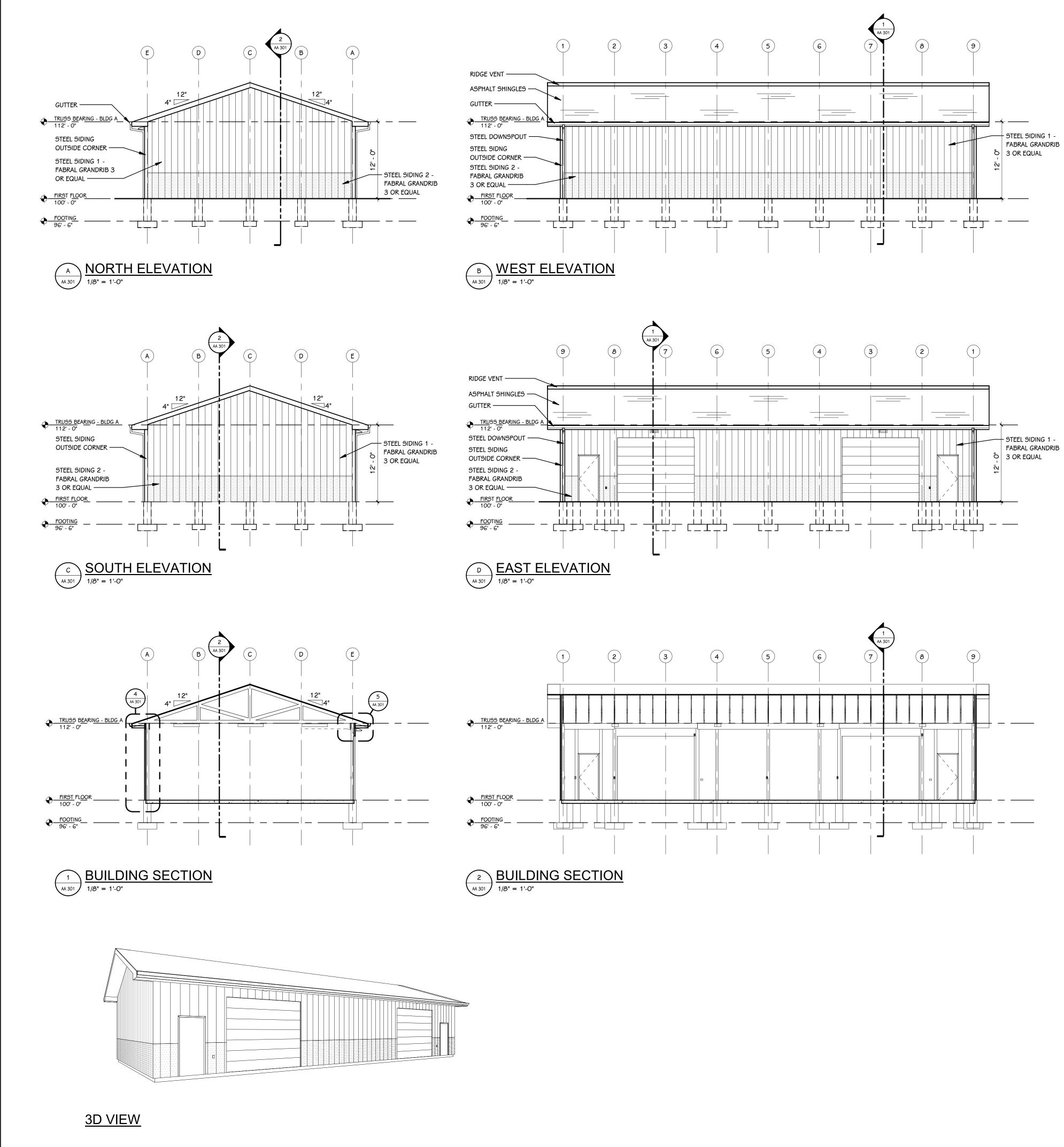




| GENERAL | NOTES |
|---------|-------|
|         |       |

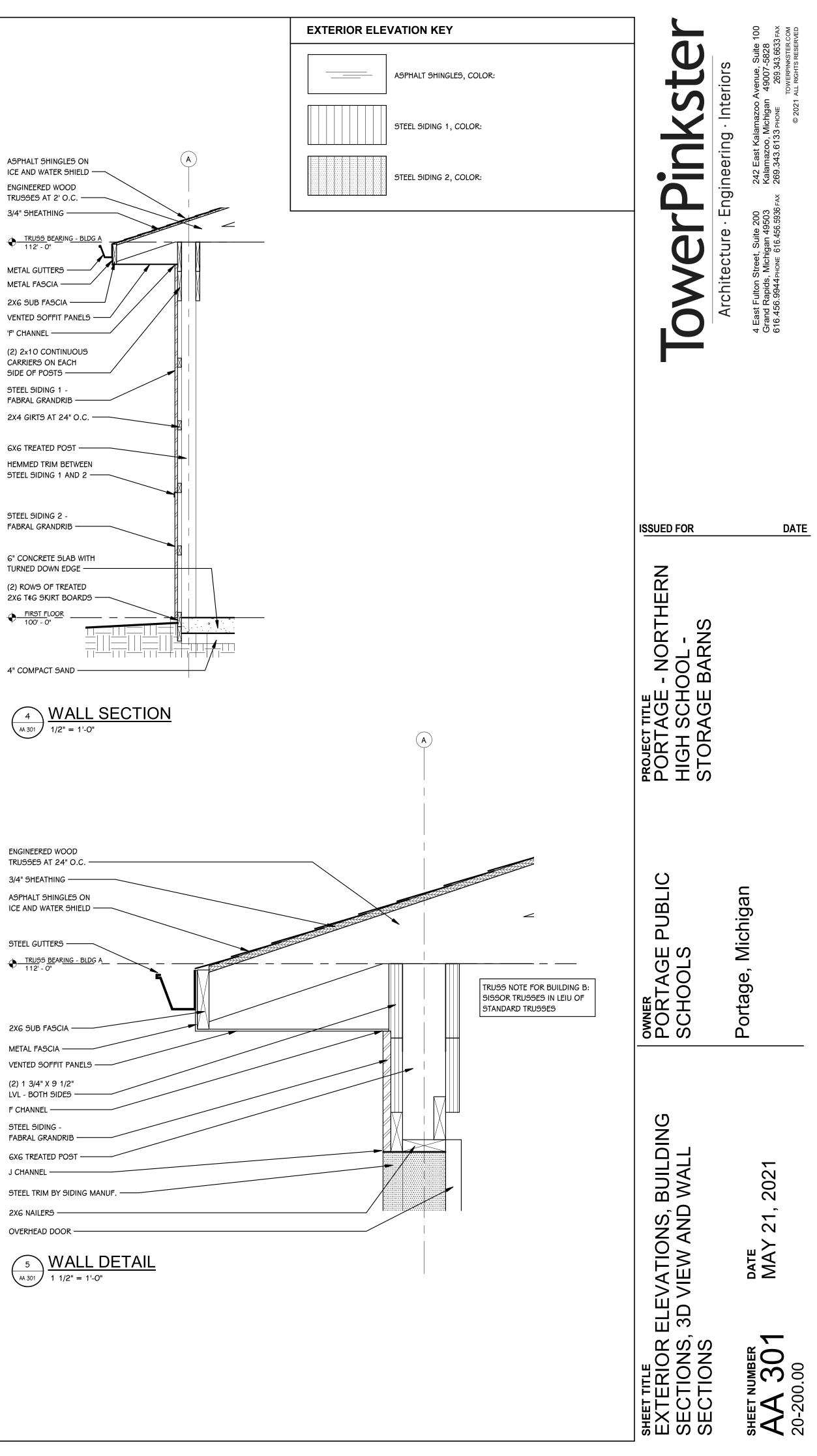
- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- . REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- . REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

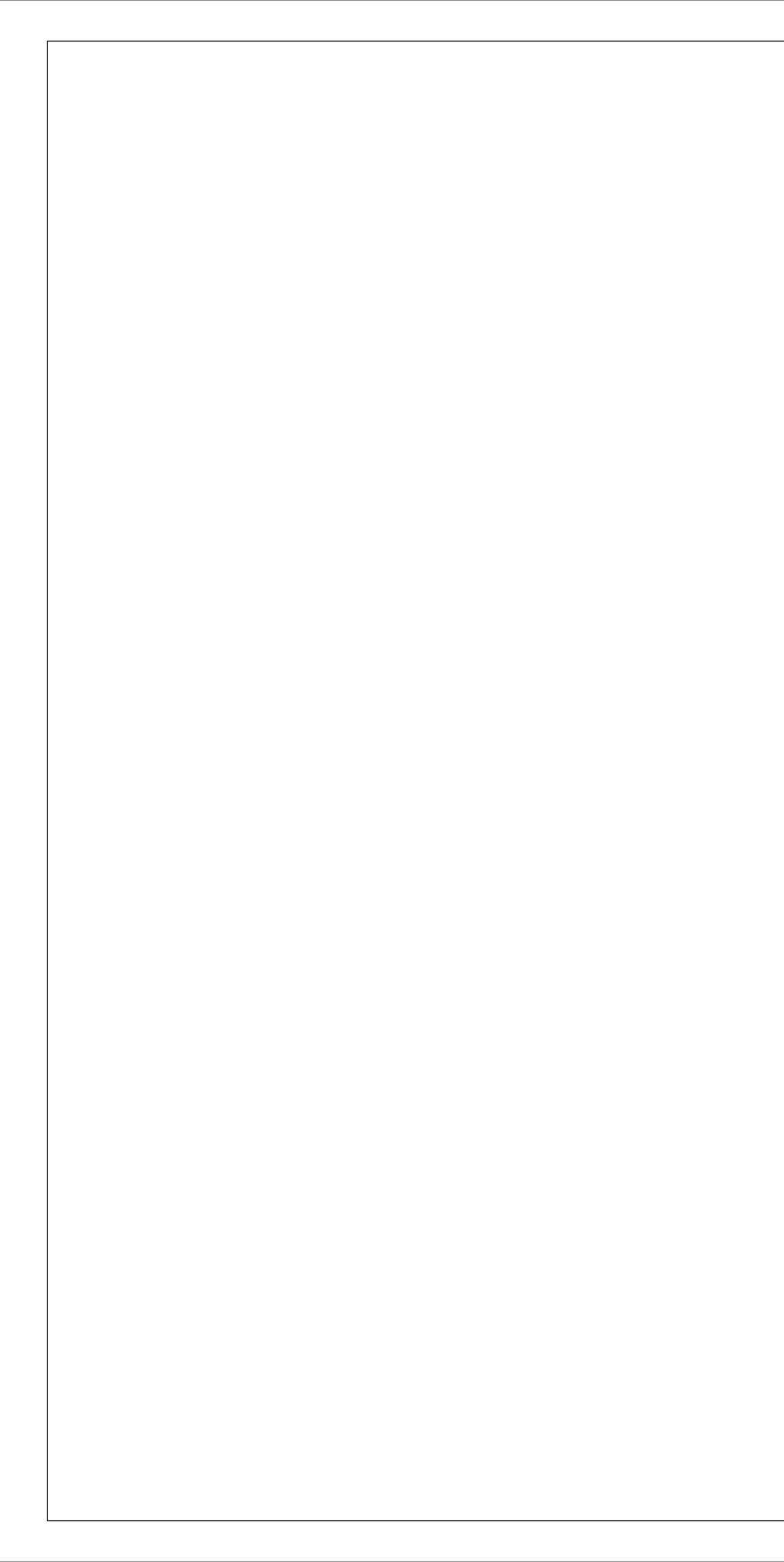


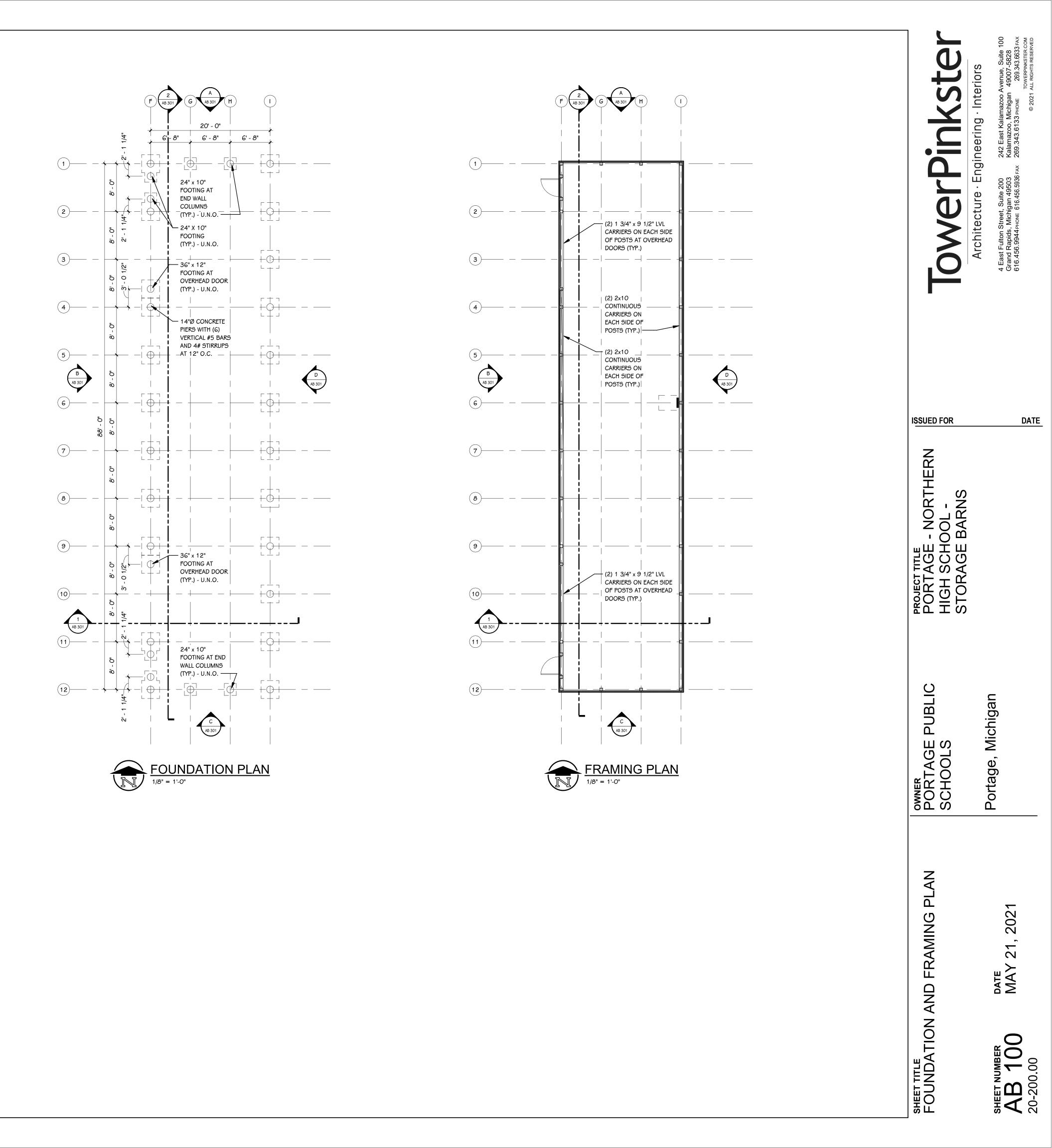


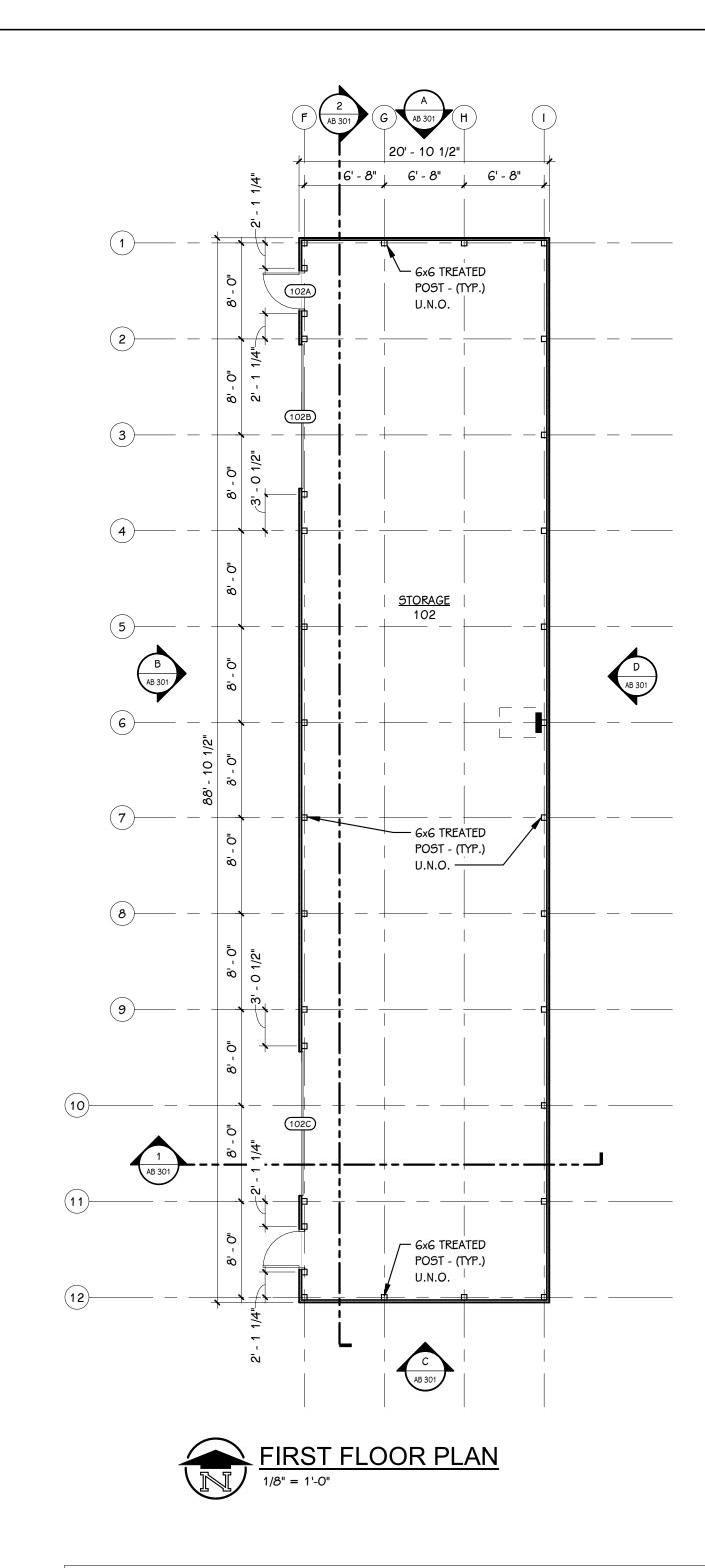
| SPHALT SHINGLES ON<br>CE AND WATER SHIELD                      |
|--|
| NGINEERED WOOD<br>RUSSES AT 2' O.C.                            |
| 6/4" SHEATHING   |
| TRUSS BEARING - BLDG A   |
| NETAL GUTTERS  |
| NETAL FASCIA   |
| XAG SUB FASCIA   |
| VENTED SOFFIT PANELS   |
| CHANNEL  |
| 2) 2x10 CONTINUOUS<br>CARRIERS ON EACH<br>DIDE OF POSTS        |
| DTEEL SIDING 1 -<br>ABRAL GRANDRIB                             |
| 2X4 GIRTS AT 24" O.C.  |
| EXG TREATED POST   |
| DTEEL SIDING 2 -<br>ABRAL GRANDRIB                             |
| " CONCRETE SLAB WITH<br>URNED DOWN EDGE                        |
| 2) ROWS OF TREATED<br>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<br>ICE AND WATER SHIELD  |
| STEEL GUTTERS                                |
| STELE GUTTERS                                |
| • TRUSS <u>BEARING - BLDG</u> A<br>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                   |
|  |



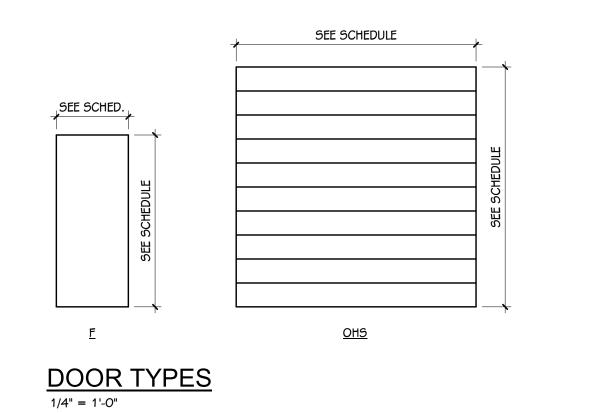






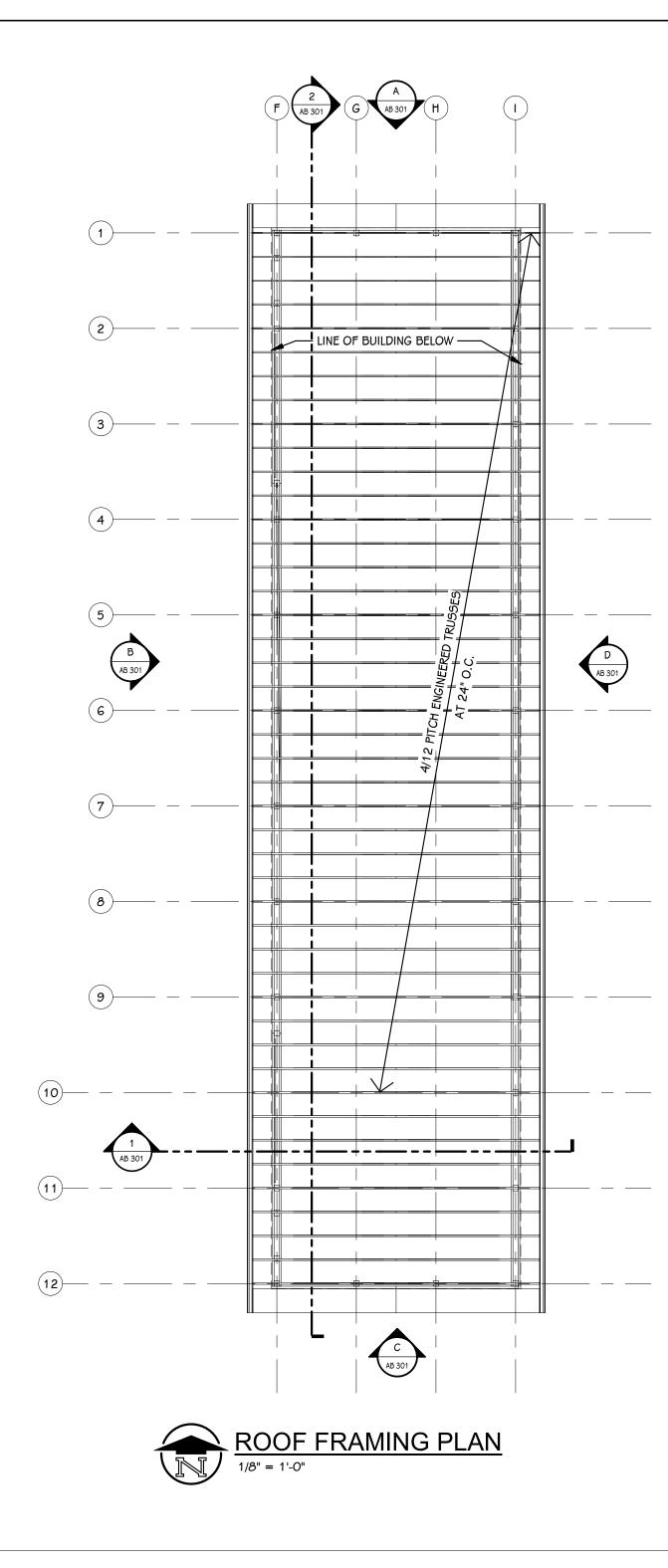
# **DOOR SCHEDULE - BUILDING B**

|      |       |         |             | 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<br>NE | BARRIER-<br>FREE | CARD<br>READER | ELEC. LOCK<br>HDWR. | MAG<br>HOLD | HDWR.<br>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          | -       |



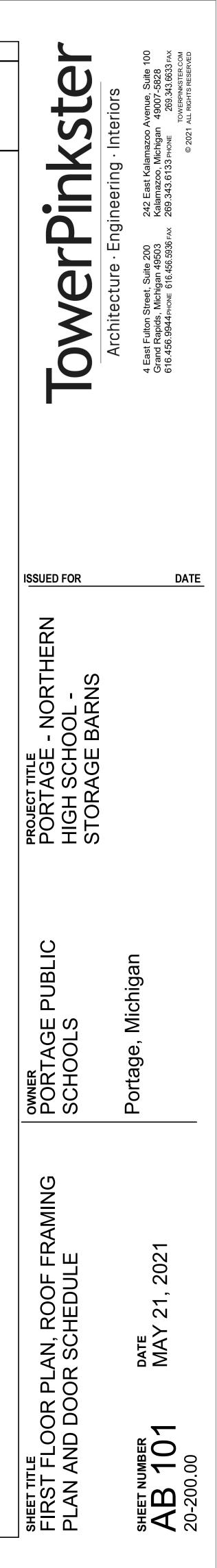
2" TYP. SEE SCHED. 2" TYP. 1

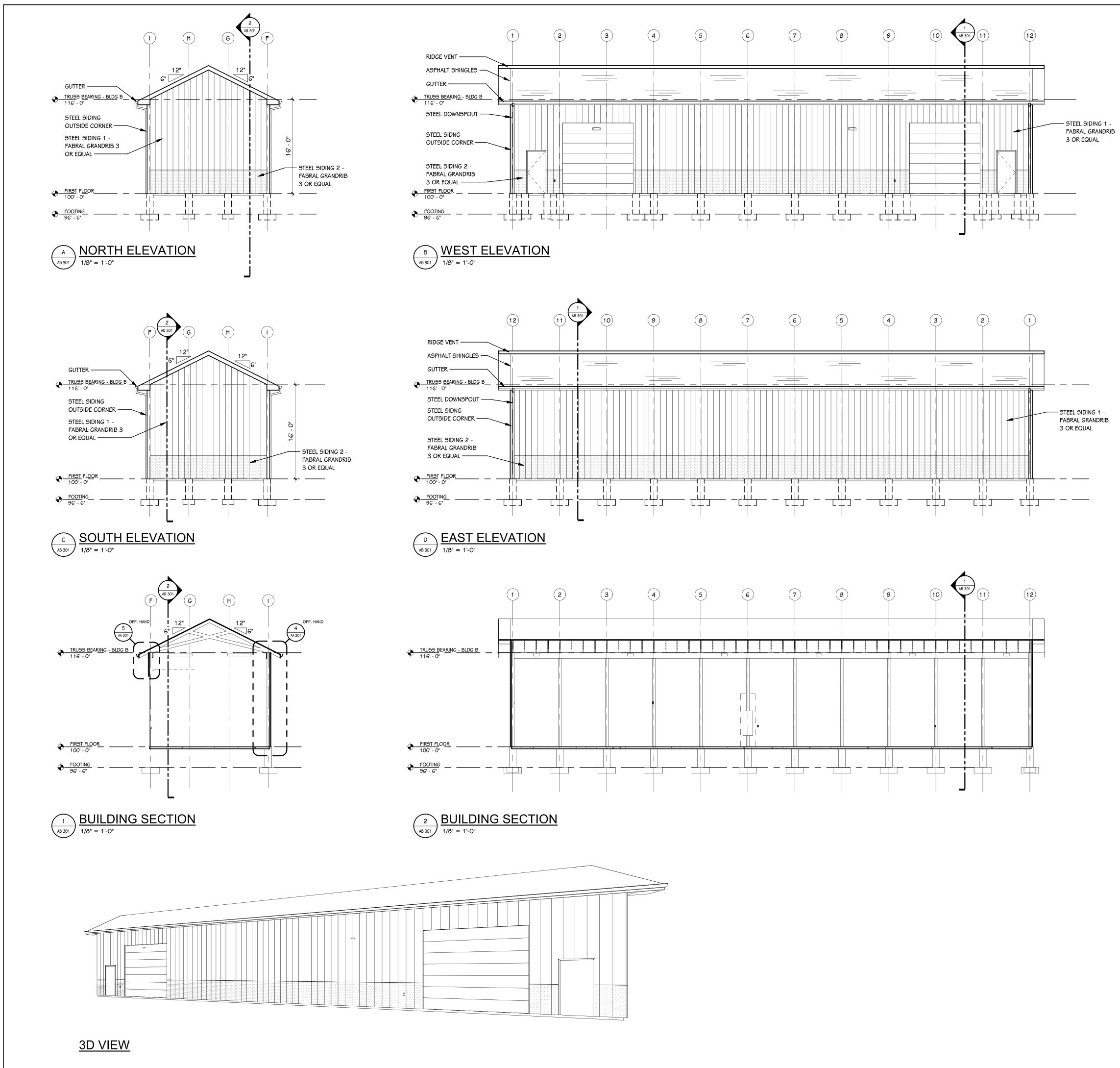
FRAME ELEVATION



| 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<br>Architecture · Engineering · Interiors | 4 East Fulton Street, Suite 200 242 East Kalamazoo Avenue, Suite 100<br>Grand Rapids, Michigan 49503 Kalamazoo, Michigan 49007-5828<br>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

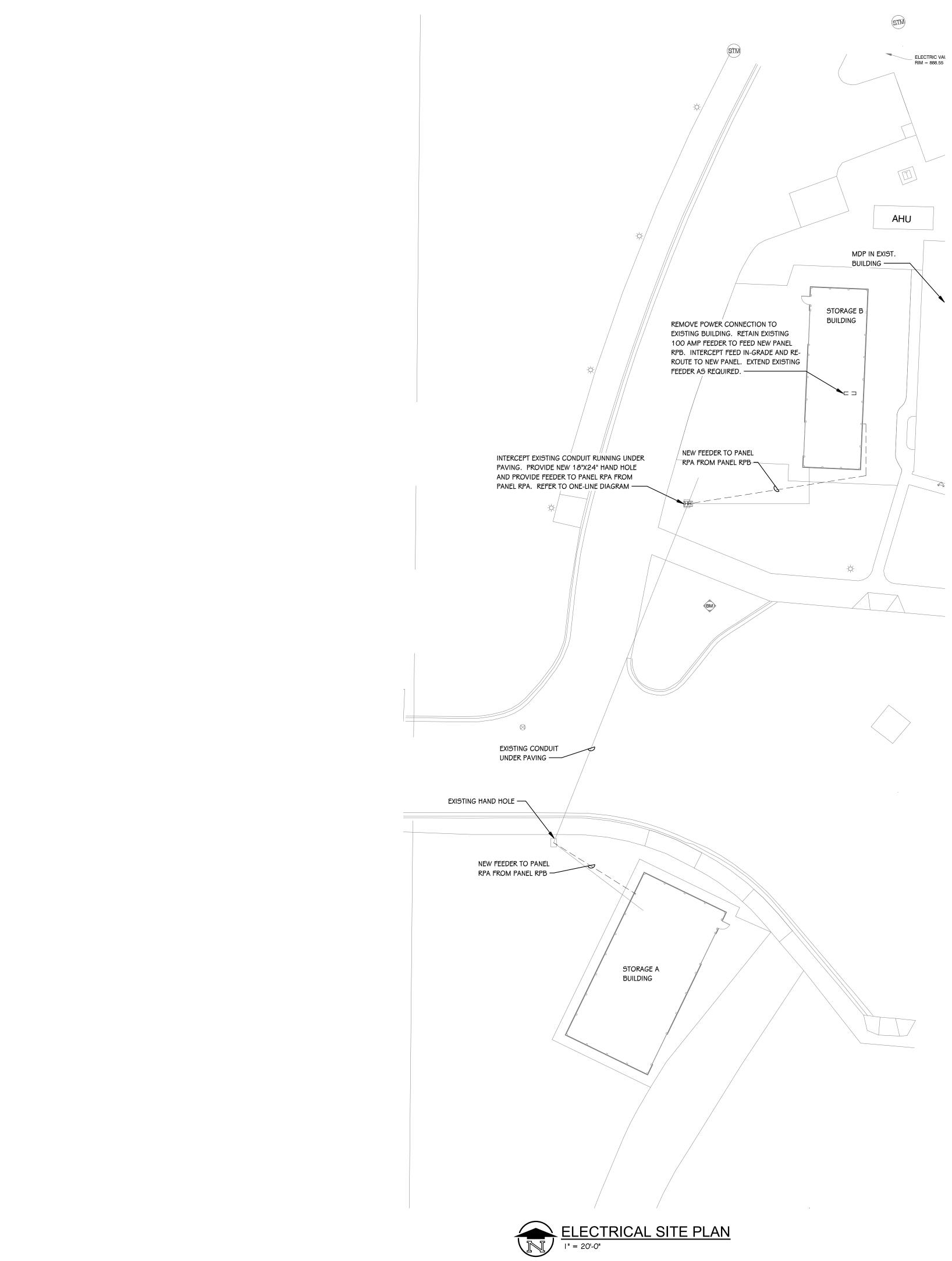
рате МАҮ 21, 2021

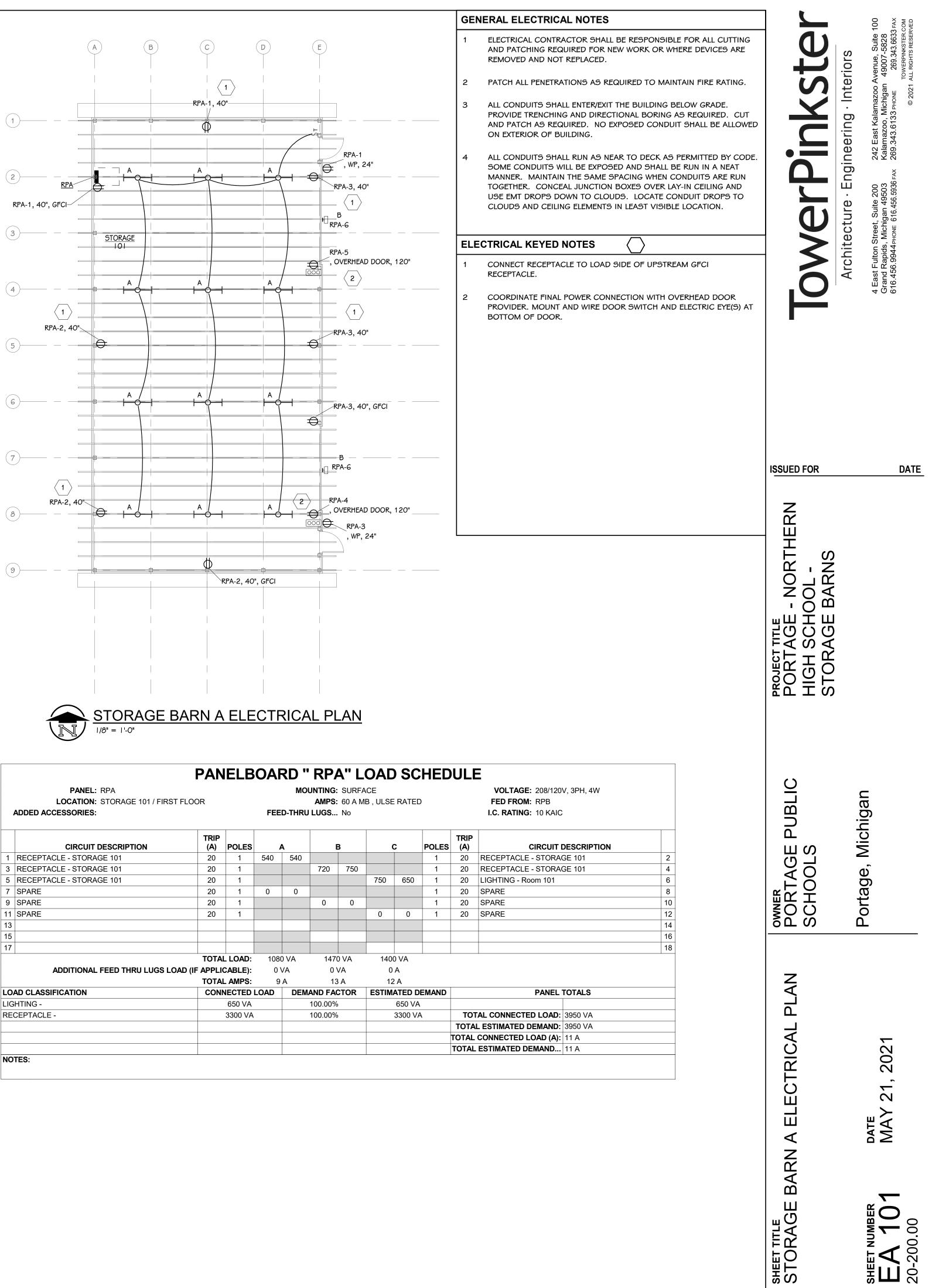
**AB 301** 20-200.00

OWNER PORTAGE SCHOOLS

BUILDING

SHEET TITLE EXTERIOR ELEVATIONS, SECTIONS, AND 3D VIEW





|              | PANEL: RPA   | FAN           |                | UAI | мо     | ם<br>NUN |  |
|--------------|--|---------------|----------------|-----|--------|----------|--|
|              | LOCATION: STORAGE 101 / FIRS<br>ADDED ACCESSORIES: | T FLOOR       |                | FEE | D-THRU |          |  |
|              | CIRCUIT DESCRIPTION                                | TRIP<br>(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

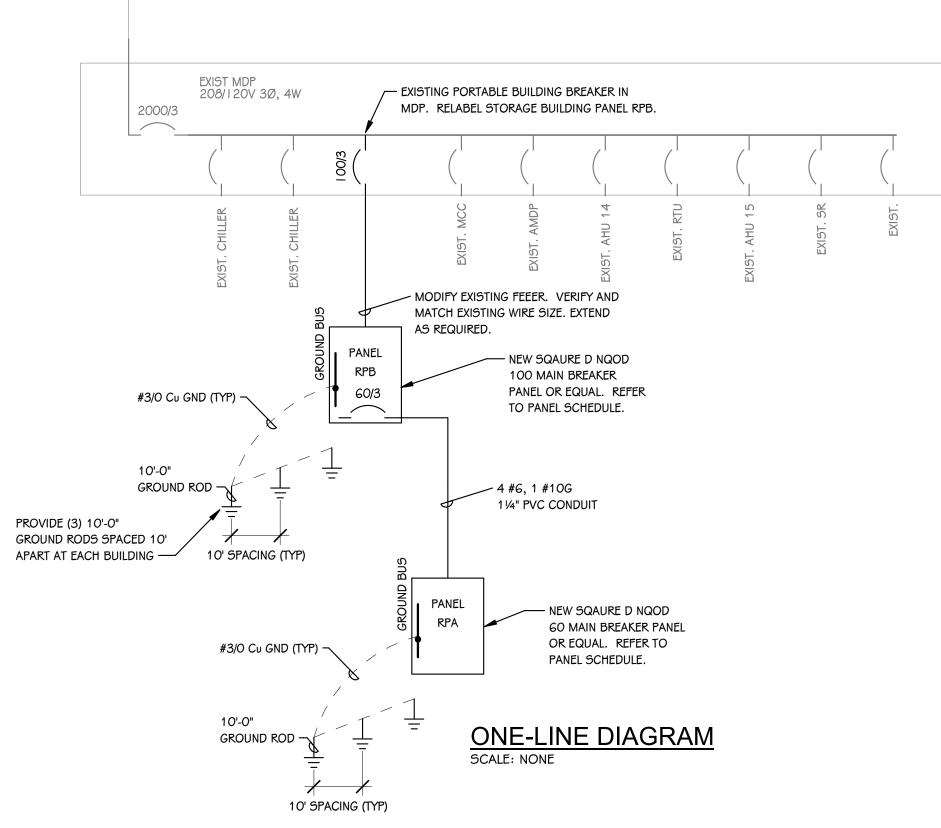
WALL MTD. LIGHT FIXTURE Ю INDUSTRIAL LIGHT FIXTURE

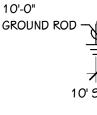
 $\vdash \rightarrow \vdash$ 

#### RECEPTACLE SYMBOLS

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

| PANEL: RPB<br>LOCATION: STORAGE 102 / FIRST FLOOR<br>ADDED ACCESSORIES: FEE |                          |             |                    |     | MOUNTING: SURFACE<br>AMPS: 100 A MB , ULSE RATED<br>FEED-THRU LUGS No |         |         |                  | D    | VOLTAGE: 208/120V, 3PH, 4W<br>FED FROM: MDP |                    |                      |             |  |
|---|--------------------------|-------------|--------------------|-----|---|---------|---------|------------------|------|---|--------------------|----------------------|-------------|--|
|   |                          |             |                    |     |   |         |         |                  |      |   |                    | I.C. RATING: 10 KAIC |             |  |
|   | CIRCUIT DESCRIPTION      | TRIP<br>(A) | POLES              |     | A   | E       | 3       |                  | C    | POLES                                       | TRIP<br>(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           |  |

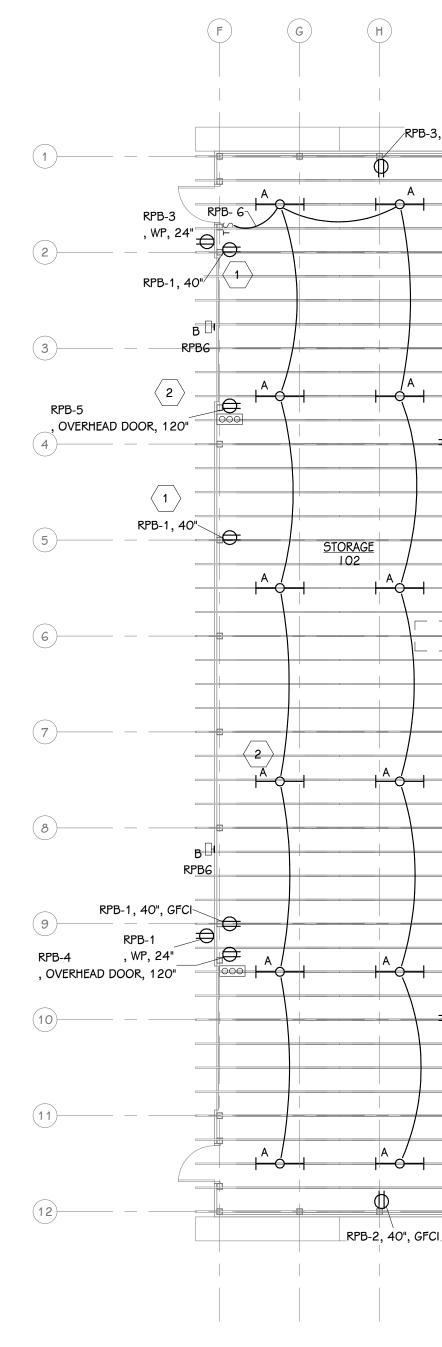




|  |  |       |                              | _          |  |  |  |
|--|--|-------|------------------------------|------------|--|--|--|
| LIGHT FIXTURE SCHEDULE                                 |  |       |                              |            |  |  |  |
| OUNTING  | WATTS  |       | MANUFACTURER                 | -          |  |  |  |
| 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><br><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"<br>16" | NOTES:<br>MOUNT DEVICES AT HEIGHTS INDICATED UNLESS INDICATED<br>OTHERWISE ON PLANS. HEIGHTS ARE TO BOTTOM OF DEVICE. |
| 24"        |   |

#### PANELBOARD " RPB" LOAD SCHEDULE



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