FREMONT COMMUNITY SCHOOLS

H.S. TENNIS COURTS

FREMONT, INDIANA

OWNER:

FREMONT COMMUNITY SCHOOLS
1100 W TOLEDO ST.
FREMONT, INDIANA 46737

PROJECT LOCATION:

701 W TOLEDO ST.
FREMONT, INDIANA 46737

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SCOPE OF WORK:

CONSTRUCTION OF (2) NEW TENNIS COURTS, INCLUDING DEMOLITION AND NEW SITE WORK. ALSO CONSTRUCTION OF NEW 2-STORY PRESS BOX WITH UPPER LEVEL PRESS ROOM AND LOWER LEVEL STORAGE.

AREA MAP:



CD SET FOR BIDDING
07-20-2026

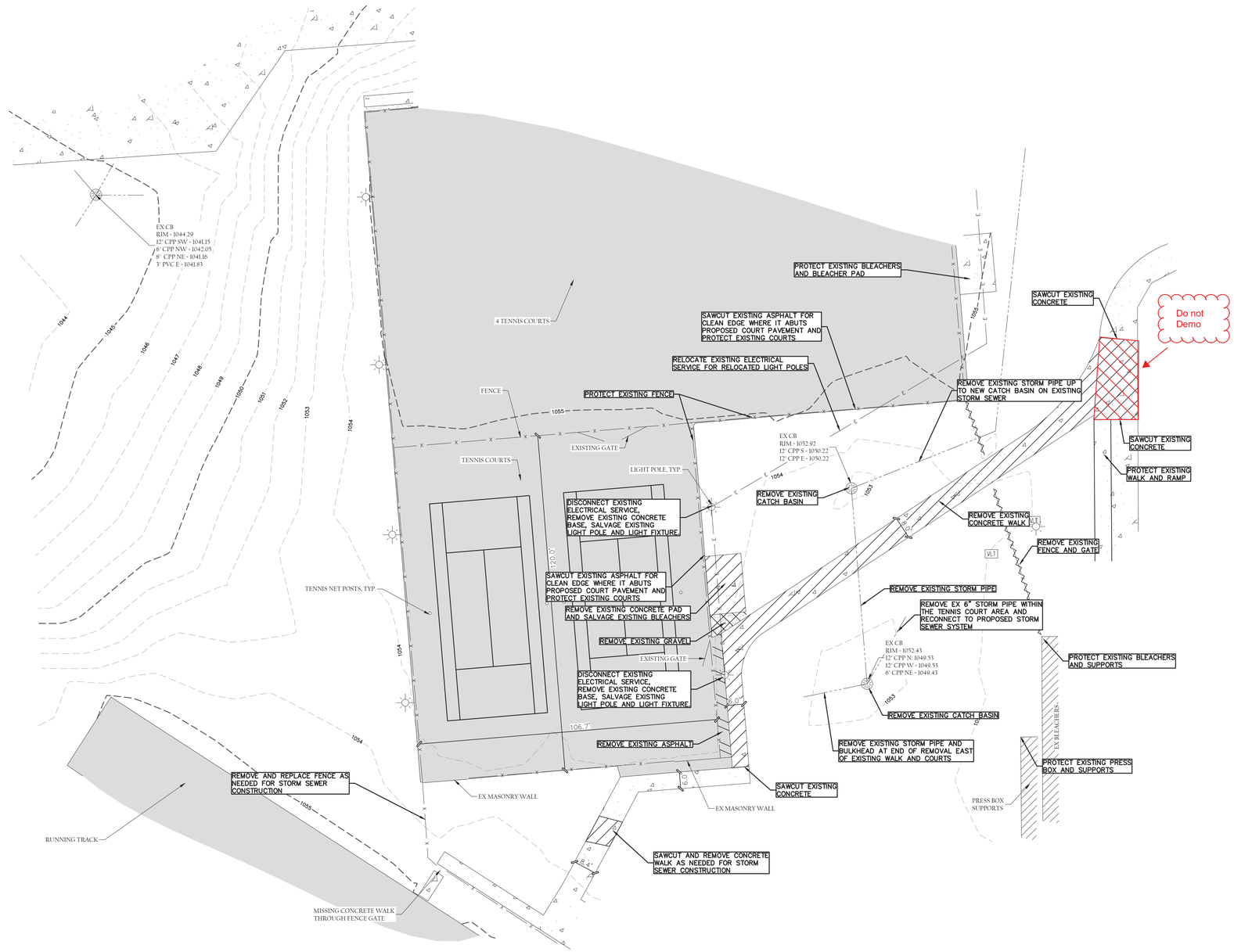
TONY C. LEININGER
REGISTERED
NO.
00910097
STATE OF
INDIANA
ARCHITECT

CARMI design group inc
architecture+design

210 E. MAIN STREET; P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

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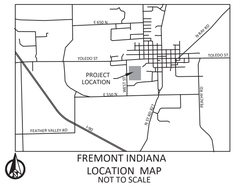
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Vriesman & Korhorn
Byron Center, MI (616) 277-2185
Kalamazoo, MI (269) 697-7120
www.VKcivil.com

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.683.5073

SCALE: 1" = 20'
0' 10' 20' 30' 40'



FREMONT INDIANA
LOCATION MAP
NOT TO SCALE

BRIEF TAX DESCRIPTION PER STEUBAN COUNTY GIS:
NE PT E 1/2 NE 1/4 SEC 29

PARCEL NUMBER: 76-02-29-110-104.000-004
& 76-02-29-110-104.010-004

SYMBOL LEGEND

- EXISTING TREE
- TREE STUMP
- SIGN
- MAILBOX
- BOLLARD
- LIGHT POLE
- POWER POLE
- GUYWIRE
- T / E / COM/ELEC STRUCTURE
- GAS METER
- VALVE
- HYDRANT
- WELL
- CLEANOUT
- SANITARY SEWER MANHOLE
- STORM CATCH BASIN
- STORM MANHOLE
- STORM FLARED END SECTION
- RIP RAP
- FLOW DIRECTION ARROW
- SECTION CORNER
- PROPERTY CORNER – SET
- PROPERTY CORNER – FOUND
- BENCHMARK/CONTROL POINT
- SOIL BORING

LINE LEGEND

- OH — EXISTING OVERHEAD ELECTRIC
- E — EXISTING ELECTRIC
- GAS — EXISTING GAS
- C — EXISTING COMMUNICATIONS
- X — EXISTING FENCE
- RIGHT OF WAY
- EASEMENT
- EXISTING GRAVEL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- FM — EXISTING FORCEMAIN
- EXISTING WATERMAIN

HATCH LEGEND

- EXISTING HOT MIXED ASPHALT
- EXISTING GRAVEL
- EXISTING CONCRETE
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRAVEL
- REMOVE EXISTING ASPHALT

COLIN M. FINCH
REGISTERED
No. PE 11500358
STATE OF INDIANA
PROFESSIONAL ENGINEER

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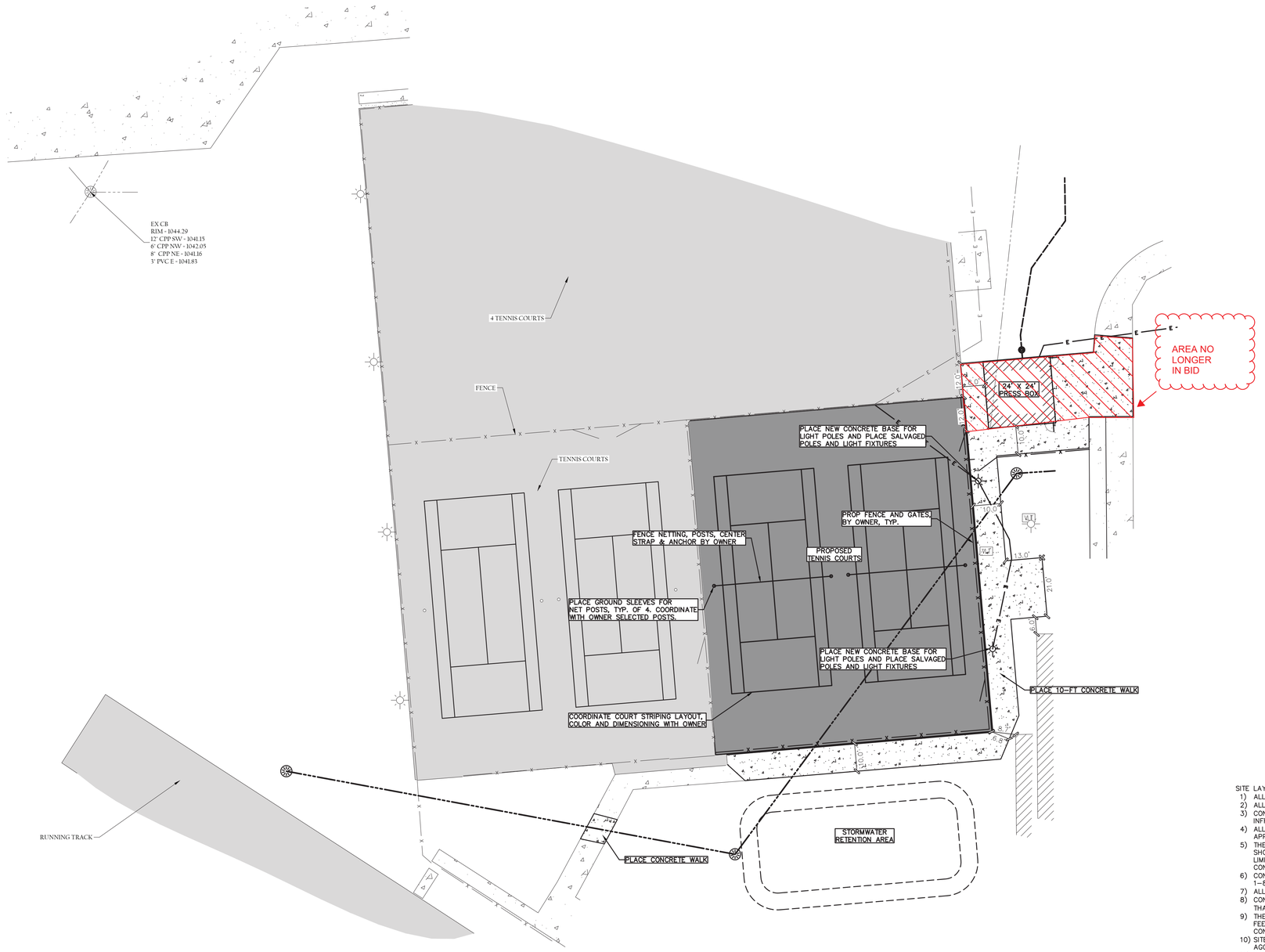
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EXISTING CONDITIONS/ DEMO PLAN

C1.0



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HATCH LEGEND

- EXISTING HOT MIXED ASPHALT
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- EXISTING CONCRETE
- PROPOSED CONCRETE
- EXISTING GRAVEL
- PROPOSED GRAVEL

SITE LAYOUT NOTES:
1) ALL WORK SHALL BE DONE TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.
2) ALL WORK WITHIN ROW SHALL BE DONE IN ACCORDANCE WITH LOCAL ROADWAY JURISDICTION REQUIREMENTS.
3) CONTRACTOR SHALL RESTORE ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE, AND OTHER INFRASTRUCTURE DISTURBED OR DAMAGED DUE TO CONSTRUCTION ACTIVITIES TO MATCH EXISTING CONDITIONS.
4) ALL DEBRIS SHALL BE REMOVED FROM THE SITE, AND NO STOCKPILING ON SITE SHALL BE ALLOWED UNLESS APPROVED BY OWNER.
5) THE CONTRACTOR SHALL LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE REQUIRED OR AS SHOWN. ALL PAVEMENTS TO BE REMOVED SHALL BE SAWCUT AND REMOVED TO FULL DEPTH AT ALL PAVEMENT LIMITS OR EXISTING JOINTS. IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR AT NO ADDITIONAL COST.
6) CONTRACTOR SHALL CONTACT MISS DIG THREE WORKING DAYS BEFORE YOU DIG. CALL MISS DIG AT 1-800-482-7171 OR 811.
7) ALL WORK SHALL BE DONE TO THE HANDICAPPED ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
8) CONTRACTOR SHALL ENSURE ALL ADA RAMPS AND ACCESS MEET CURRENT ADA STANDARDS. IF IT IS DISCOVERED THAT ANY ITEMS WILL NOT MEET ADA STANDARDS IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, DEMOLITION PERMITS, TAP FEES, ASSESSMENTS, UTILITY PERMITS, ROW PERMITS, BONDS, INSURANCE, OR OTHER FEES ASSOCIATED WITH CONSTRUCTION.
10) SITE CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF A MINIMUM 4000 PSI AND SHALL HAVE LIMESTONE AGGREGATE AND SHALL HAVE A 5.5%-8% AIR ENTRAINMENT WITH A BROOM FINISH.
11) INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE CONCRETE ABUTS HMA PAVEMENT.
12) CONTRACTOR SHALL REVIEW THE GEOTECHNICAL AND ENVIRONMENTAL REPORTS FOR THE SITE AND INCORPORATE INTO THEIR CONSTRUCTION MEANS AND METHODS.
13) THESE PLANS HAVE BEEN DEVELOPED FOR ELECTRONIC FIELD SURVEY LAYOUT. DIMENSIONS SHOWN ARE FOR GRAPHIC PRESENTATION ONLY AND SHOULD NOT BE USED FOR LAYOUT. CONTACT THE ENGINEER IF ANY DISCREPANCIES BETWEEN THE PLAN AND ELECTRONIC DATA ARE DISCOVERED.
14) THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LIGHTS, BARRICADES, FLAGMEN, ETC. AS REQUIRED TO PERFORM THE WORK. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.
15) THE CONTRACTOR SHALL PROTECT LOCATION OF ALL PROPERTY MARKERS AND BENCHMARKS.
16) THE CONTRACTOR IS RESPONSIBLE FOR ALL SIGNS, BARRICADES, AND SAFETY FENCES TO DETER PEOPLE FROM ENTERING THE WORK AREA AND FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROLS SHALL BE COORDINATED WITH THE LOCAL POLICE DEPARTMENT AND MUNICIPALITY.
17) PRIOR TO CONSTRUCTION OR GRADING A PROTECTIVE BARRIER, FENCE, POST, AND SIGNS CLEARLY INDICATING LIMITS OF DISTURBANCE SHALL BE INSTALLED INDICATING NO TREE REMOVAL OR DISTURBANCES OUTSIDE LIMITS.
18) NO PARKING OF CONTRACTOR OR SUBCONTRACTORS SHALL BE ALLOWED ON PUBLIC STREETS WITHOUT PRIOR APPROVAL.
19) NO BUILDING MATERIAL, EQUIPMENT, VEHICLES, OR CHEMICALS SHALL BE STORED OR PLACED OUTSIDE OF THE LIMITS OF DISTURBANCE.
20) CONSTRUCTION NOISE SHALL BE KEPT TO A MINIMUM DURING NIGHTTIME HOURS AND MUST COMPLY WITH LOCAL MUNICIPAL ORDINANCES.

CARMI design group inc
architecture+design
210 E. MAIN STREET; P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.683.5073

COLIN M. FINCH
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No. PE 11500358
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PROFESSIONAL ENGINEER

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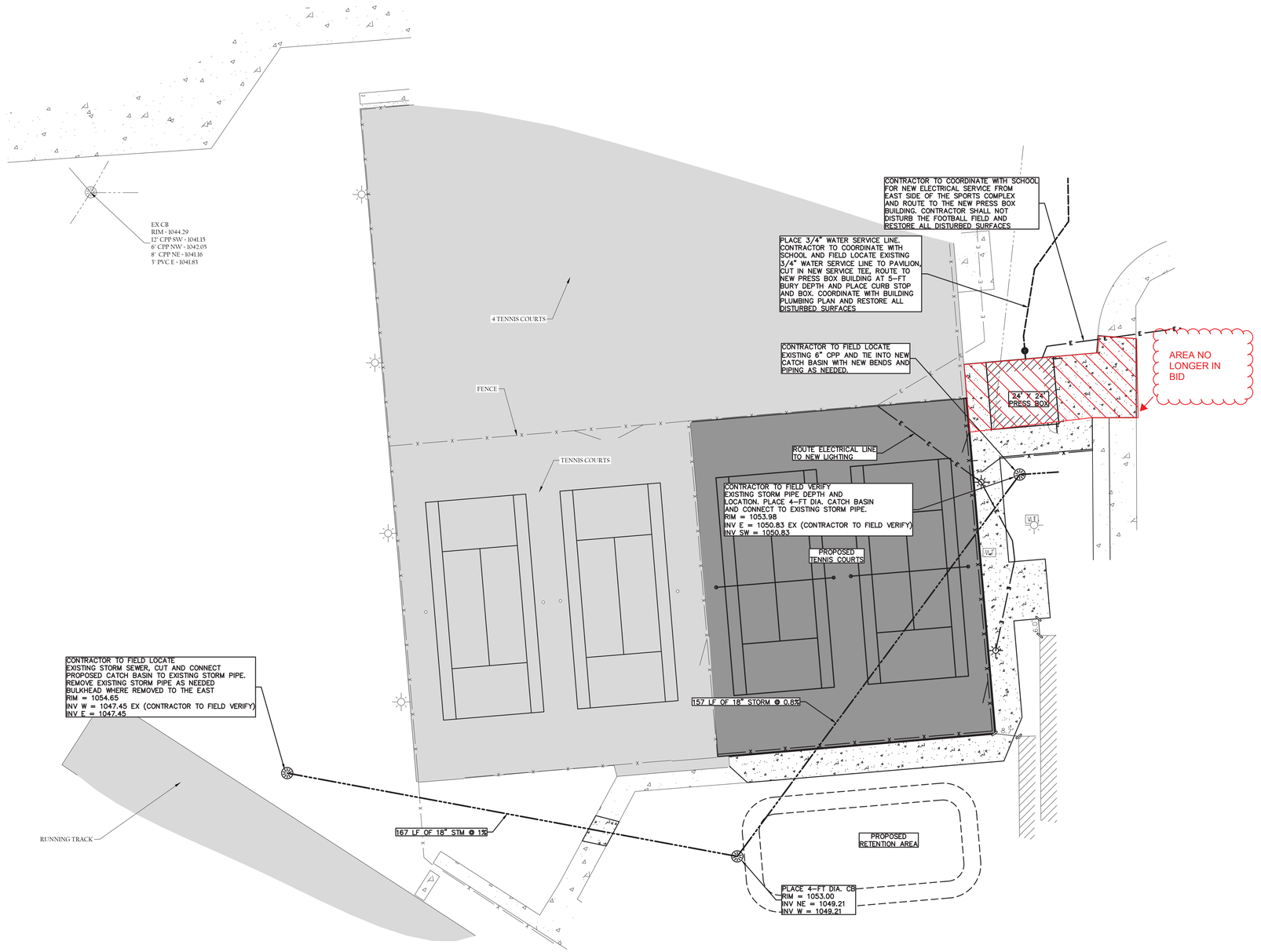
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NO.	ISSUED	DATE
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PROJECT #	2025-020C
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NEF	CMF

SITE PLAN

C2.0



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UTILITY PLAN NOTES:
1) CONTRACTOR SHALL CONTACT PRIVATE AND PUBLIC UTILITY COMPANIES IF ANY COORDINATION IS NEEDED BETWEEN PROPOSED WORK AND EXISTING UTILITIES.
2) UTILITIES SHOWN (IF ANY) ARE APPROXIMATE LOCATIONS DERIVED FROM MEASUREMENTS OR AVAILABLE RECORDS. THIS MAP IS NOT TO BE INTERPRETED AS SHOWING EXACT LOCATIONS OR SHOWING ALL UTILITIES IN THE AREA. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITY INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY FOR ACCURACY, LOCATION, AND CONDITION.
3) ALL WATERMAIN TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL WATER UTILITY STANDARDS AND INDEQ STANDARDS.
4) ALL SANITARY SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL SANITARY SEWER UTILITY STANDARDS AND INDEQ STANDARDS.
5) ALL 6" UNDERDRAIN TO BE CORRUGATED PLASTIC PIPE WITH SOCK, ADS N-12 OR APPROVED EQUAL.
6) ALL STORM SEWER SHALL BE SMOOTH LINED CORRUGATED PLASTIC PIPE, ADS N-12 OR EQUAL, UNLESS OTHERWISE LABELED ON THE PLANS.
7) ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD VERIFIED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED.
8) ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
9) CATCH BASINS WITHIN CONCRETE HEAD CURB SHALL HAVE EJ 7045 CASTINGS.
10) CATCH BASINS WITHIN BIT VALLEY CURB SHALL HAVE EJ 7065 CASTINGS WITH M1 GRATE.
11) CATCH BASINS WITHIN PAVED AREAS SHALL HAVE EJ 1020M1 RADIAL FLATE GRATE CASTINGS.
12) STORM SEWER MANHOLES SHALL HAVE EJ 1020 CASTINGS WITH SOLID COVERS.
13) STORM SEWER YARD DRAINS SHALL HAVE EJ 6508 CASTINGS.
14) ROOF DRAINS SHALL BE PVC SCH-40.
15) CONTRACTOR IS TO UNCOVER AND VERIFY ALL TAP LOCATIONS AND INVERTS. LOCATION AND INVERT DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR RESOLUTION PRIOR TO CONTINUING WORK.
16) SANITARY AND STORM STRUCTURES SHALL BE PRECAST AND HAVE A MAXIMUM OF 2 ADJUSTING RINGS FOR FINISH GRADE ADJUSTMENT.
17) THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICE TO ALL ADJOINING PROPERTIES.

CARMI design group inc
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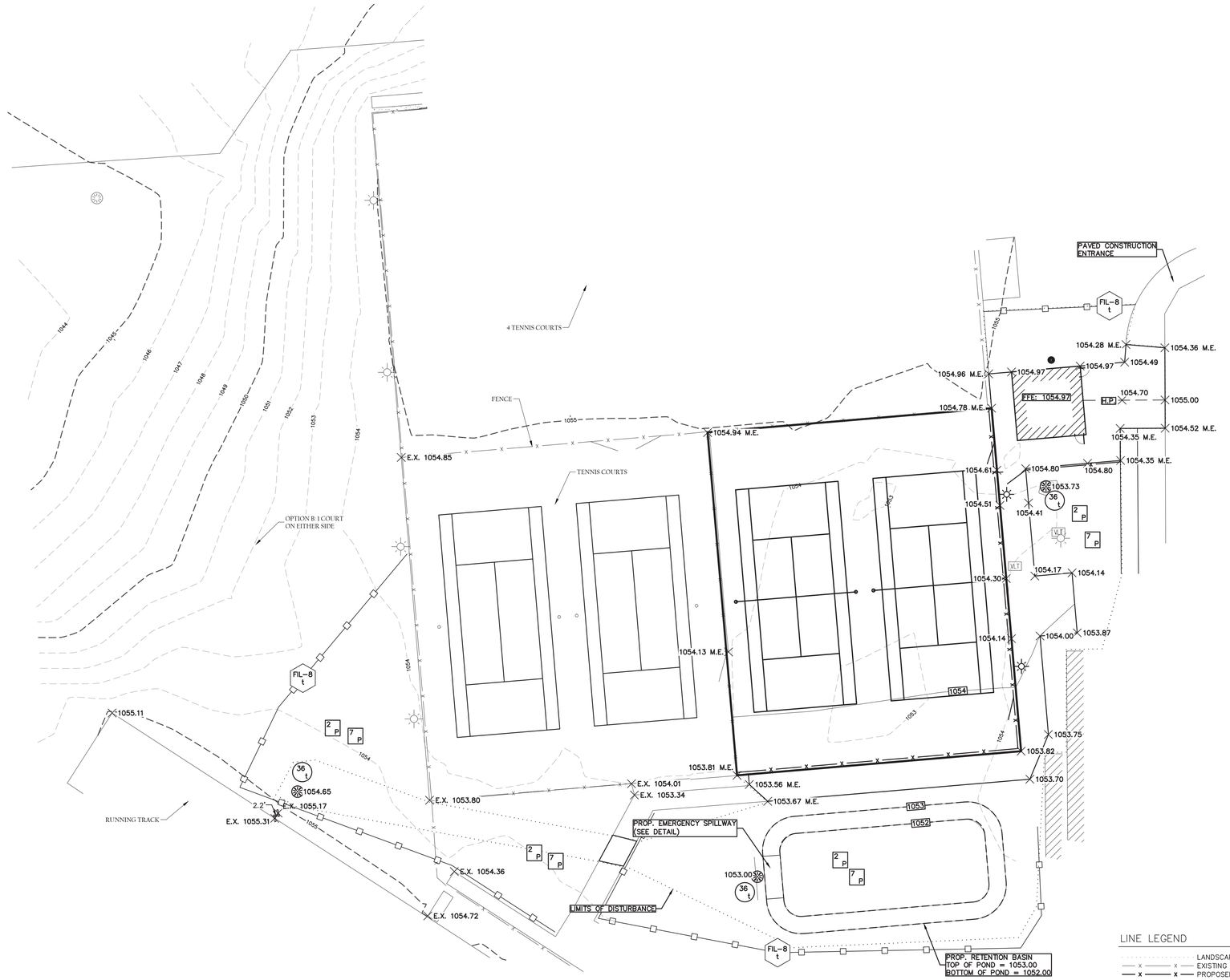
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PROJECT # 2025-020C

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UTILITY PLAN

C2.1



SCALE: 1" = 20'

0' 10' 20' 30' 40'

SYMBOL LEGEND

- EXISTING TREE
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- EASEMENT
- SETBACK
- EXISTING GRAVEL
- PROPOSED GRAVEL
- PROPOSED SWALE CENTERLINE

34 t — LEGEND
UNIFIED KEYING SYSTEM (UKS)
BEST MANAGEMENT PRACTICE (BMP)

t — TEMPORARY CONTROL MEASURE (DURING CONSTRUCTION AND UNTIL PERMANENT MEASURES ARE ESTABLISHED

P — PERMANENT CONTROL MEASURE

GENERAL SOIL EROSION MEASURES (APPLICABLE TO ENTIRE SITE)

7 P | 15 P | FIL-8 t
14 t | 36 t | TP

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GRADING PLAN 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 MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC, AND REPLACE WITH COMPACTED GRANULAR FILL.
3) ALL CONSTRUCTION METHODS SHALL BE DONE IN COMPLIANCE WITH INDOT-ENDEQ. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE COUNTY AND A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM INDEQ IF APPLICABLE, PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE COUNTY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUESTED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND SHALL NOT RELIEVE THE CONTRACTORS RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
4) AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER, THESE COVER AREAS ACT AS SEDIMENT FILTERS.
5) ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
6) GEOTEXTILE SILT FENCE SHALL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSE WHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING SHALL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
7) CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF THIS OCCURS.
8) ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 20 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.
9) ALL SOIL EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO THE START OF ANY GRADING.
10) ALL NON PAVED AREAS TO BE TOPSOILED (6" MIN.) & SEEDED.
11) VARIATION IN EXISTING SOIL CONDITIONS MAY IMPACT THE EARTHWORK QUANTITIES IF UNUSABLE SOILS ARE ENCOUNTERED DURING CONSTRUCTION.
12) DUST CONTROL: THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL ORDINANCES OF THE TOWNSHIP, COUNTY, EGLE OR ANY OTHER GOVERNMENT AGENCY.
13) IF MUD, SOIL OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE WORK DAY.
14) STORMWATER POLLUTION PREVENTION ITEMS SHALL BE IN PLACE PRIOR TO COMMENCING CLEARING OPERATIONS, EARTHWORK GRADING, OR ANY OTHER TYPE OF CONSTRUCTION ACTIVITY.
15) CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE SOIL EROSIONS AND SEDIMENT CONTROL PERMIT.
16) PLACE TEMPORARY EROSION CONTROL MEASURES PRIOR TO EARTH MOVING ACTIVITIES.
17) MULCH BLANKETS SHALL BE PLACED, STAPLED, AND OVERLAPPED ON ALL SLOPES THAT ARE 1 ON 3 OR GREATER AFTER.
18) CONTRACTOR TO INSTALL SILT SACK IN ALL CATCH BASINS ONCE THEY ARE CONSTRUCTED.
19) ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY A CERTIFIED STORM WATER OPERATOR AND MAINTAINED BY CONTRACTOR EVERY 7 DAYS AND AFTER EVERY SIGNIFICANT RAIN EVENT IN ACCORDANCE WITH NPDES PERMIT BY RULE REQUIREMENTS IF APPLICABLE.
20) EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED.
21) BEST MANAGEMENT PRACTICES WILL BE UTILIZED DURING AND AFTER CONSTRUCTION OF THE PROJECT. MEASURES WILL INCLUDE THE USE OF SILT FENCING, SEEDING AND MULCHING, SEDIMENT INLET FILTERS, COMPACTION AND PAVING. THE OWNER OF THE SUBJECT PARCEL SHALL HAVE THE RESPONSIBILITY TO MAINTAIN THE PERMANENT SOIL EROSION PROTECTION MEASURES.
22) ANY POND AREA LABELED AS 'INFILTRATION' OR 'RETENTION' SHALL BE CONSTRUCTED IN A MANNER AS TO MINIMIZE COMPACTION OF EXISTING SUBGRADE. CONTRACTOR SHALL PROTECT AREA FROM COMPACTION PRIOR TO INSTALLATION AND THROUGHOUT CONSTRUCTION. IF NECESSARY, EXCAVATE BASIN BOTTOM TO AN UNCOMPACTED SUBGRADE FREE OF ROCKS AND DEBRIS AND ENSURE A SANDY BOTTOM. DO NOT COMPACT SUBGRADE. SEED AND STABILIZE THE BASIN WITH AN MDOT TDS SEED MIXTURE OR MEADOW MIX AS APPROVED BY THE ENGINEER.

CONTROL MEASURE KEY

- 2 P — SELECTIVE GRADING & SHAPING, PERMANENT
- 7 P — HYDROSEEDING, PERMANENT. TYPICAL IN ALL NON-PAVED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES
- 14 t — AGGREGATE COVER, TEMPORARY. TYPICAL ON ALL STREETS DISTURBED BY CONSTRUCTION ACTIVITIES
- 15 P — PAVING, PERMANENT, TYPICAL ON ALL STREETS DISTURBED BY CONSTRUCTION ACTIVITIES.
- FIL-2 t — SEDIMENT BASIN BMP EXHIBIT 2, SEDIMENT BASIN, TEMPORARY REQUIRED FOR DE-WATERING ACTIVITIES, SEVERE SLOPES, AND LARGE DISTURBED AREAS.
- 36 t — SILTSACK, TEMPORARY, TYPICAL AT ALL CATCH BASINS WITHIN OR DISTURBED BY CONSTRUCTION ACTIVITIES
- 43 t — CULVERT SEDIMENT TRAP, TEMPORARY. TYPICAL AT ALL STORM OUTLETS AND STREAMS DISTURBED BY CONSTRUCTION ACTIVITIES
- FIL-8 t — FILTER BMP EXHIBIT 8A, SILT FENCE, TEMPORARY. TYPICAL IN ALL AREAS, ESPECIALLY ADJACENT TO STREAMS, PONDS, ETC. AND ALONG PROJECT UNITS.
- TP — TREE PROTECTION, INCLUDES TUNNELING UNDER TREES, TYPICAL FOR ALL TREES ENCOUNTERED UNLESS TREE REMOVAL IS DIRECTED BY THE ENGINEER.
- GA — DENOTES GRAVEL ACCESS APPROACH. APPROACH SHALL BE INSTALLED TO PROVIDE STABLE ACCESS TO ROADWAYS AND MINIMIZE DUST AND TRACKING OF MATERIALS ONTO PUBLIC STREETS AND HIGHWAYS. THE APPROACH SHALL BE A MIN. OF 12' WIDE, 6" DEEP, AND CONSIST OF 2"-4" AGGREGATE.

NOTE:

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES INDICATED ARE KNOWN OR ANTICIPATED CONTROL MEASURES NEEDED DURING TYPICAL CONSTRUCTION ACTIVITIES. ADDITIONAL CONTROL MEASURES MAY BE REQUIRED DUE TO CONSTRUCTION ACTIVITY, LOCATION, SOIL TYPE, WEATHER EVENT, ETC. ANY ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT.

Vriesman & Korhorn
Byron Center, MI (616) 277-2185
Kalamazoo, MI (269) 697-7120
www.VKcivil.com

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.683.5073

COLIN M. FINCH — REGISTERED — No. PE 11500358 — STATE OF INDIANA — PROFESSIONAL ENGINEER

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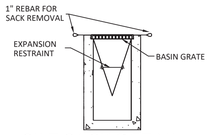
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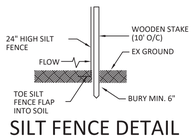
GRADING PLAN

C3.0



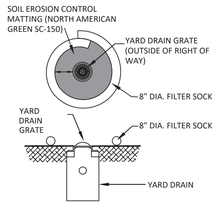
SILT SACK DETAIL

NOT TO SCALE



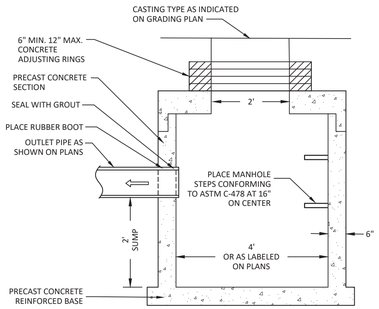
SILT FENCE DETAIL

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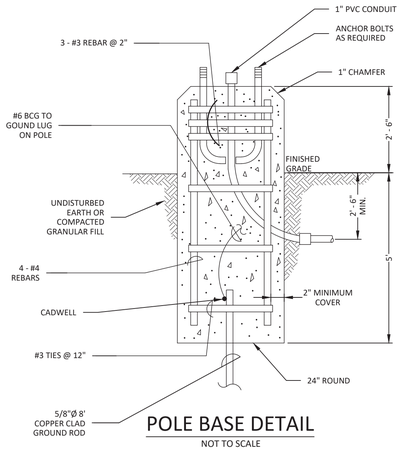
INLET PROTECTION DETAIL

NOT TO SCALE



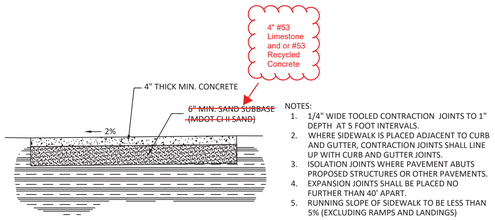
CATCH BASIN DETAIL

NOT TO SCALE



POLE BASE DETAIL

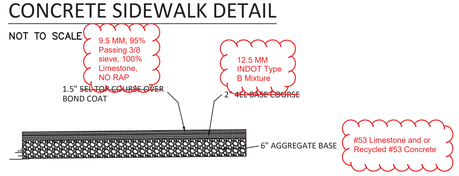
NOT TO SCALE



NOTES:
1. 1/4" WIDE TOOLED CONTRACTION JOINTS TO 1" DEPTH AT 5 FOOT INTERVALS.
2. WHERE SIDEWALK IS PLACED ADJACENT TO CURB AND GUTTER, CONTRACTION JOINTS SHALL LINE UP WITH CURB AND GUTTER JOINTS.
3. ISOLATION JOINTS WHERE PAVEMENT ABUTS PROPOSED STRUCTURES OR OTHER PAVEMENTS.
4. EXPANSION JOINTS SHALL BE PLACED NO FURTHER THAN 40' APART.
5. RUNNING SLOPE OF SIDEWALK TO BE LESS THAN 5% (EXCLUDING RAMPS AND LANDINGS)

CONCRETE SIDEWALK DETAIL

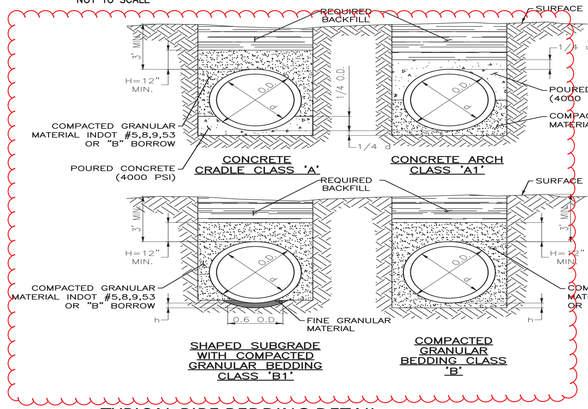
NOT TO SCALE



TENNIS COURT PAVING DETAIL

NOT TO SCALE

Revised Pipe Details



DEPTH OF BEDDING MATERIAL BELOW PIPE	
D	d (MIN.)
27" & SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"

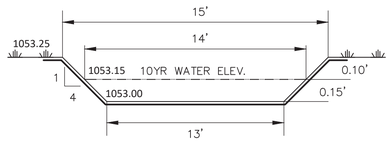
NOTES:
FOR ROCK OR OTHER NON-COMPRESSIVE MATERIAL: THE TRENCH SHOULD BE OVER-EXCAVATED A MINIMUM OF 6" AND REFILLED WITH GRANULAR MATERIAL

LIMITS OF EXCAVATION SHALL BE O.D. + 30" MAX.

LEGEND
O.D.= OUTSIDE DIAMETER
H = BACKFILL COVER ABOVE TOP OF PIPE
d = INSIDE DIAMETER
h = 0.6 O.D. ; 4" MINIMUM

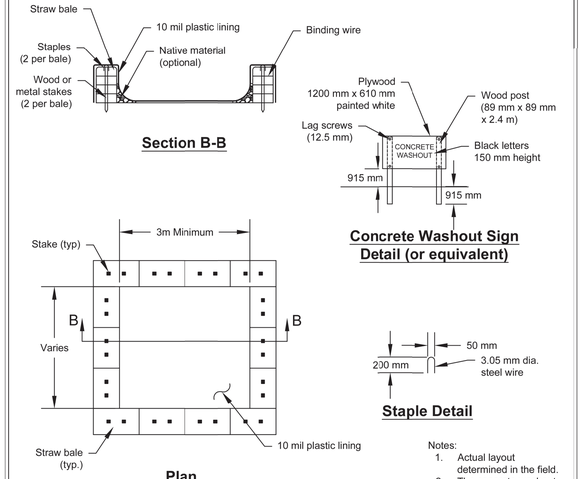
TYPICAL PIPE BEDDING DETAIL

NOT TO SCALE



RETENTION BASIN EMERGENCY SPILLWAY

NOT TO SCALE



Notes:
1. Actual layout determined in the field.
2. The concrete washout sign shall be installed within 10 m of the temporary concrete washout facility.

Type "Above Grade" with Straw Bales

NOT TO SCALE

DEPARTMENT OF ECOLOGY
State of Washington

Figure II-4.1.7b
Concrete Washout Area

Revised June 2015

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VK CIVIL
Vriesman & Korhorn
www.VKcivil.com
Byron Center, MI (616) 277-2185
Kalamazoo, MI (269) 697-7120

CARMI design group inc
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NILES, MICHIGAN 49120
P: 269.683.5073

COLIN M. FINCH
REGISTERED
No. PE 11500358
STATE OF INDIANA
PROFESSIONAL ENGINEER

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FREMONT COMMUNITY SCHOOLS

H.S. TENNIS COURTS

FREMONT, INDIANA

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PROJECT #	2025-020C
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NEF	CMF

PROJECT DETAILS

C4.0

Fremont Community Schools High School Tennis Court

701 Toledo St, Fremont, IN 46737

Construction Stormwater General Permit Index

The proposed project located at 701 Toledo St Fremont, Indiana consists of removal of existing sidewalk and construction of storm sewer, proposed tennis courts, installing a water service, constructing new press box, and constructing new concrete sidewalk. These improvements will be made at the south side of the parcel. Existing site runoff flows south to a catch basin system and releases in the low aera to the west. Proposed construction will not change the location of site runoff.

General Plan Components (Section A)

A1 – Index of the location of required plan elements in the construction plan
- Provided on Sheet C5.0

A2 – A vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads
- See Sheet C1.0

A3 – Narrative of the nature and purpose of the project
- See narrative on this Sheet

A4 – Latitude and Longitude to the nearest fifteen seconds
- N41°43'41", W84°56'22"

A5 – Legal Description of the project site
- See Sheet C1.0

A6 – 11 X 17–inch plat showing building lot numbers/boundaries and road layout/names
- N/A

A7 – Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways
- N/A

A8 – Land use of all adjacent properties
- School use to the west, Commerical to the east and south, residential to the north.

A9 – Identification of a U.S. EPA approved or established TMDL
- N/A

A10 – Name(s) of the receiving water(s)
- Unnamed pond 715 feet from proposed disturbance.

A11 – Identification of discharges to a water on the current 303(d) list of impaired waters and the pollutant(s) for which it is impaired
- N/A

A12 – Soils map of the predominate soil types
- According to NRCS Soil Survey the soils on site are Udorthents, Loamy.

A13 – Identification and location of all known wetlands, lakes, and water courses on or adjacent to the project site (construction plan, existing site layout)
- None on project site.

A14 – Identification of any other state or federal water quality permits or authorizations that are required for construction activities
- N/A

A15 – Identification and delineation of existing cover, including natural buffers
- See Sheet C1.0 for existing site. Site is partially grassy, with some areas covered with paved tennis courts, and an area of existing sidewalk.

A16 – Existing site topography at an interval appropriate to indicate drainage patterns
- See Sheet C1.0

A17 – Location(s) where run–off enters the project site
- See Sheet C1.0 for existing grading. Stormwater enters the project site from the northeast.

A18 – Location(s) where run–off discharges from the project site prior to land disturbance
- See Sheet C1.0, the existing site flows off to the southwest and west and ultimately to the unnamed pond.

A19 – Location of all existing structures on the project site
- See Sheet C1.0.

A20 – Existing permanent retention or detention facilities, including manmade wetlands, designed for the purpose of stormwater management
- None, see Sheet C1.0 for Existing Site

A21 – Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features
- N/A, see Sheet C1.0 for Existing Site

A22 – Size of the project area expressed in acres
- See Sheet C1.0 – (0.65 acres)

A23 – Total expected land disturbance expressed in acres
- See Sheet C3.0 – (0.65 acres)

A24 – Proposed final topography
- See Sheet C3.0

A25 – Locations and approximate boundaries of all disturbed areas
- See Sheet C3.0 for limits of disturbance

A26 – Locations, size, and dimensions of all stormwater drainage system such as culverts, stormwater sewer, and conveyance channels
- See Sheet C3.0

A27 – Locations of specific points where stormwater and non–stormwater discharges will leave the project site
- See Sheet C3.0 – Sheet flow generally to the southwest to the unnamed pond.

A28 – Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas
- See Sheet C2.0 and C2.1

A29 – Location of all on–site and off–site soil stockpiles and borrow areas
- N/A

A30 – Construction support activities that are expected to be part of the project
- N/A

A31 – Location of any in–stream activities that are planned for the project including, but not limited to, stream crossings and pump arounds
- N/A

Stormwater Pollution Prevention – Construction Component (Section B)

B1 – Description of the potential pollutant generating sources and pollutants, including all potential non–stormwater discharges
- Potential pollutants include eroding soils in disturbed areas, construction traffic, construction vehicles oils, gas, trash and materials.

B2 – Stable construction entrance locations and specifications
- See Sheet C3.0 for paved construction entrance location. Access through existing pavement areas

B3 – Specifications for temporary and permanent stabilization
- See Sheet C3.0

B4 – Sediment control measures for concentrated flow areas
- See Sheet C3.0

B5 – Sediment control measure for sheet flow areas
- See Sheet C3.0 for silt fence and silt sack locations and details.

B6 – Run–off control measures
- See Sheet C3.0 for silt fence and silt sack locations and details.

B7 – Stormwater outlet protection location and specification
- N/A

B8 – Grade stabilization structure locations and specifications
- N/A

B9 – Dewatering applications and management methods
- N/A

B10 – Measures utilized for work within waterbodies
- N/A

B11 – Maintenance guidelines for each proposed stormwater quality measure
- Clean out silt sacks and silt fence weekly and after every storm event.

B12 – Planned construction sequence that describes the implementation of stormwater quality measures in relation to land disturbance
1. Place silt fencing and silt sacks.
2. Demo existing sidewalk, pavement, and storm strucutres.
3. Install utilities including storm sewer, retention basin and water service..
4. Construct building.
5. Construct tennis courts.
6. Construct concrete sidewalks.
7. Site stabilization.
8. Remove temporary erosion control measures.

B13 – Provisions for erosion and sediment control on individual residential building lots regulated under the proposed project
- N/A

B14 – Material handling and spill prevention and spill response plan meeting the requirements in 327 IAC 2–6.1:

1. Material Handling & Spill Prevention

1.1. Hazard Identification and Risk Areas – Petroleum Products (Diesel, Gasoline, Hydraulic Fluids, Oils, Gear Oils)
1.2. Engineering Controls & Secondary Containment
1.2.1. Ensure containment systems prevent leaks from reaching soil or storm water. Where applicable, seal or reroute floor drains, avoiding direct discharge to storm drains.
1.3. Storage and Handling Procedures
1.3.1. Store only required amounts; avoid stockpiling excess materials, keep hazardous materials away from high–traffic zones.
1.4. Inspections and Maintenance
1.4.1. Conduct regular inspections of storage areas, containment systems and spill equipment. Document inspections, noting condition, improvements or needed repairs.
1.5. Training & Documentation
1.5.1. Train employees regularly on spill prevention protocols, proper handling, inspection findings and spill response actions.

2. Spill Response Procedures

2.1. Immediate Containment
2.1.1. Promptly damming, blocking or otherwise restraining a spill to prevent it from entering the onsite storm sewer system. Train staff to act immediately using available spill kits, absorbents, barriers or dikes.
2.2. Elimination or Neutralization
2.2.1. Once contained, promptly remove or neutralize fee material, use appropriate cleaning agents or absorbents based on spilled material.
2.3. Emergency response procedures
2.3.1. Clarify that emergency response actions take precedence – even if they delay reporting. (Justification must be documented.)
2.4. Coordination
2.4.1. If the spill exceeds in–house capacity, contact qualified spill contractors. Maintain pre–vetted contact lists for rapid deployment.
2.5. Cleanup & Disposal
2.5.1. Dispose of spill materials in compliance with state/federal regulations; segregate hazardous wastes and not disposal documentation. Document cleanup steps thoroughly, including timelines, methods and disposal paths.

3. Reporting & Compliance

3.1. Determine Reportability
3.1.1. Compliance with permits, report spills that include those that: damage waters, occur within protected zones, exceed thresholds, any unresponded spill, regardless of size or type.
3.2. Reporting Protocol
3.2.1. Contain and initiate response
3.2.2. Call IDEM Emergency Response at 1–888–233–7745 (in–state toll–free) or (317) 233–7745.
3.3. Additional Notification
3.3.1. Follow any relevant local ordinances or laws (e.g., notifying downstream users, county health officials) where required.
3.4. Record keeping & Compliance Assurance
3.4.1. Maintain documentation of all spill reports, updates and written submissions.
3.4.2. After an incident, review and adjust procedures as needed; document lessons learned and improvements.

B15 – Material handling and storage procedures associated with construction activity

1. Material Handling and Storage Procedures

1.1. Goal: Prevent releases of petroleum, hazardous chemicals and other objectionable substances into soil, storm water or waters of the state
1.2. Scope: Applies to all employees, contractors and subcontractors handling or storing regulated materials onsite.
1.3. Responsibility: Site supervisor ensures compliance; all personal follow posted handling and storage instructions.

2. Handling Procedures by Material Type

2.1. Petroleum Products (Diesel, Gasoline, Hydraulic Fluids, Oils, Gear Oils)
2.1.1. Refuel in designated refueling zones with spill mats or drip pans beneath nozzles.
2.1.2. Position equipment away from drainage inlets, ditches, or waterways.
2.1.3. Use approved, labeled fuel containers with spill–proof spouts.
2.1.4. Inspect hoses, fittings, and caps daily; repair or replace at first sign of wear.
2.2. Construction Chemicals (Concrete Washout Water, Form Release Agents, Curing Compounds, Epoxies, Adhesives)
2.2.1. Post clear signage; prohibit washing outside designated areas.
2.2.2. Keep containers sealed when not in use; store in covered, contained areas.
2.2.3. Mix and apply chemicals away from storm drain inlets; use drop cloths or berms to catch drips.
2.3. Hazardous or Regulated Materials (Solvents, Thinners, Acids/Alkalis, Paints, Coatings)
2.3.1. Store in original containers with intact manufacturer labels.
2.3.2. Keep in flammable–liquid storage cabinets or weather–protected areas with spill pallets.
2.3.3. Transfer over containment trays; use funnels to prevent splashes.
2.3.4. Segregate hazardous waste from general trash; label waste containers with "Hazardous Waste"and contents.
- Town of Fremont Fire Department: (260) 495–3805

Stormwater Pollution Prevention – Post–construction Component (Section C)

C1 – Description of pollutants and their sources associated with the proposed land use
- Trash and debris from the outdoor recreation area.
- Sediment, leaf and vegetation debris from planting and green areas.

C2 – Description of proposed post–construction stormwater measures
- Proposed catch basin and retention basin.

C3 – Plan details for each stormwater measures
- See Sheet C2.1 for locations.

C4 – Sequence describing stormwater measure implementation
- Place silt fencing
- Remove existing stormwater system.
- Place new stormwater catch basins and pipes.
- Place silt sacks.
- Excavate proposed retention area.
- Remove temporary erosion control measures.

C5 – Maintenance guidelines for proposed post–construction stormwater measures
1. Remove trash and floatable debris. From catch basin rims and sums as well as retention basin bottom.
2. Inspect and restore any erosion around catch basins and piping and retention basin.
3. Remove sediment accumulation within catch basins and retention basin.

C6 – Entity that will be responsible for operation and maintenance of the post–construction stormwater measures
- Fremont Community Schools

Vriesman & Korhorn
Byron Center, MI (616) 277-2185
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www.VKcivil.com

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P: 269.683.5073

COLIN M. FINCH
REGISTERED
No. PE 11500358
STATE OF INDIANA
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DRAWN BY	CHECKED BY
NEF	CMF

STORMWATER POLLUTION PREVENTION PLAN

C5.0

GENERAL/STRUCTURAL NOTES

A. GENERAL

1. ALL WORK SHALL COMPLY WITH THE 2015 INTERNATIONAL BUILDING CODE, AND ALL OTHER LOCAL OR STATE AGENCIES HAVING JURISDICTION ON THIS PROJECT.
2. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
3. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD (AOR) PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR AOR.
4. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO CONSTRUCTION. START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE AOR SHALL BE NOTIFIED FOR CLARIFICATION.
5. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.
6. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL AND ELECTRICAL DESIGN.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE AOR PRIOR TO PROCEEDING WITH THE WORK.
8. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSIONS WITH AOR.
9. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
10. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE AOR SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES OF THE ABOVE.
11. REFER TO ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF/FLOOR OPENINGS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
12. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.
13. NO HOLES, NOTCHES, BLOCKOUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ARCHITECT
14. PENETRATIONS SHALL BE CAST-IN-PLACE AND SHALL NOT BE PERMITTED EXCEPT AS SHOWN IN THE STRUCTURAL DRAWINGS.
15. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, EACH PARTY SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH CONDITIONS IN FIELD, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT, ETC. THE PROPOSAL SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK.
16. THE CONTRACTOR SHALL COMPLY WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS FOR MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION FOR ALL STRUCTURAL SYSTEMS WHICH ARE COMPOSED OF COMPONENTS TO BE FIELD ERECTED.
17. ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS NOTED OTHERWISE.
18. UNLESS OTHERWISE INDICATED, ALL ITEMS TO BE DEMOLISHED SHALL BECOME THE CONTRACTOR'S PROPERTY AND BE REMOVED FROM THE SITE.

B. DESIGN CRITERIA AND LOADS

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH:
   ASCE 7-10
   ACI 318-14
   ACI 530-13
   AISC 360-10
   AISI S100-12
   AWS D1.1, D1.3 AND D1.8
   TWS 402/602-13
2. RISK CATEGORY: III
3. SNOW:

GROUND SNOW	50 PSF
SNOW EXPOSURE FACTOR	1.0
THERMAL FACTOR	1.0
IMPORTANCE FACTOR	1.1
FLAT-ROOF SNOW	39 PSF
DESIGN SNOW	50 PSF

4. SEISMIC:

SEISMIC DESIGN CATEGORY:	B
IMPORTANCE FACTOR:	1.25
SOIL CLASSIFICATION:	D
S_S	0.092 g
S_1	0.054 g
S_{MS}	0.098 g
S_{M1}	0.087 g

5. WIND:

BASIC WIND SPEED:	V ULT = 120 MPH
EXPOSURE CLASS:	B
INTERNAL PRESSURE COEFFICIENT, GCpi	±0.18
BASE SHEAR, STRENGTH LEVEL	V = 23K KIPS, E-W V = 36K KIPS, N-S

6. WOOD:
   NDS-2012
7. SERVICEABILITY DEFLECTION REQUIREMENTS USED IN THE DESIGN OF THIS STRUCTURE:
   a. FLOOR LIVE LOAD: L/360
   B. FLOOR TOTAL LOAD: L/240
   c. ROOF LIVE LOAD: L/240
   d. ROOF TOTAL LOAD: L/180

C. EXISTING CONDITIONS / DEMOLITION

1. ALL DEMOLITION SHALL BE CARRIED OUT IN SUCH A WAY SO AS TO NOT DAMAGE EXISTING ELEMENTS WHICH ARE TO REMAIN.
2. ALL ELEMENTS WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING DEMOLITION WORK SHALL BE REPLACED AT NO ADDED COST. EXISTING ELEMENTS ARE TO BE PROTECTED TO THE FULLEST EXTENT POSSIBLE TO REDUCE SUCH DAMAGE TO A MINIMUM.

D. EARTHWORK

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT ON FILE WITH THE ARCHITECT.
2. SOIL PROPERTIES PER THE GEOTECHNICAL REPORT:
   ALLOWABLE NET SOIL BEARING PRESSURE:
   FOOTINGS: 2,000 PSF
   ANTICIPATE DEPTH TO ALLOWABLE SOIL BEARING
   FROST DEPTH 3' - 6"
3. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING/BASEMENT WALLS BEFORE CONCRETE HAS ATTAINED SPECIFIED COMPRESSIVE STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED 7-DAY STRENGTH MINIMUM. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB TOP AND BOTTOM IS IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OR SHORING AND/OR SHEETING.
4. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE. FREE GROUND WATER WAS NOT ENCOUNTERED IN THE BORINGS. DETAILS OF GROUND WATER INFORMATION CAN BE OBTAINED FROM THE ABOVE-MENTIONED GEOTECHNICAL REPORT. IF GROUND WATER SHOULD OCCUR DURING EXCAVATION, SPECIAL PROCEDURES SHALL BE IMPLEMENTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
5. WHERE THERE IS NOT SUFFICIENT SPACE FOR SLOPED EMBANKMENTS, SHORING WILL BE REQUIRED. SEE THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING THE DESIGN AND INSTALLATION OF THE SHORING. SHORING THAT IS NOT PART OF THE PERMANENT BUILDING SUPPORT IS THE CONTRACTOR'S RESPONSIBILITY AND OUTSIDE THIS PERMIT.
6. CARE SHALL BE EXERCISED WHEN EXCAVATING OR GRADING ADJACENT TO EXISTING STRUCTURES OR IMPROVEMENTS TO NOT DAMAGE OR UNDERMINE FOUNDATIONS, WALLS, SLABS, UTILITIES, ETC.
7. ALL FOOTINGS AND SLABS ON GRADE SHALL BE PLACED ONTO FIRM UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL, REMOVING ANY EXISTING FILL, ORGANIC MATERIAL, OR UNSUITABLE SOILS, AS RECOMMENDED BY THE GEOTECHNICAL REPORT. EXPOSED NATURAL SOIL SHALL BE PROOF ROLLED BELOW SLABS ON GRADE.
8. THE PREPARATION OF THE SUBGRADE FOR THE SLAB ON GRADE SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT REFERENCED ABOVE. THE CONTRACTOR SHALL DIRECT QUESTIONS REGARDING THE SUBGRADE PREPARATION REQUIREMENTS TO THE GEOTECHNICAL ENGINEER.
9. FOUNDATION ELEVATIONS SHOWN DESIGNATE A MINIMUM DEPTH WHERE AN ADEQUATE SOIL BEARING PRESSURE IS EXPECTED. FOOTINGS, PIERS AND/OR WALLS SHALL BE LOWERED OR EXTENDED AS REQUIRED TO REACH SOIL MEETING THE DESIGN BEARING PRESSURE.
10. THE MOISTURE CONTENT OF ONSITE CLAYEY SOILS AT THE TIME OF COMPACTION SHALL BE BETWEEN 2-3% ABOVE OPTIMUM MOISTURE CONTENT.
11. ANY REQUIRED IMPORT FILL SOIL SHALL HAVE A LOW POTENTIAL FOR EXPANSION AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTING.

E. REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE AMERICAN CONCRETE INSTITUTE "ACI DETAILING MANUAL" (SP-066) EXCEPT AS OTHERWISE SHOWN, NOTED OR SPECIFIED.
2. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:

DEFORMED BARS	ASTM A615, GR60	F_V = 60 KSI
WELDED WIRE REINFORCING	ASTM A1064	F_V = 65 KSI

3. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS OR LARGER	2"
#5 BARS OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, JOISTS AND WALLS WITH #14 AND #18 BARS	1 1/2"
SLABS, JOISTS AND WALLS WITH #11 BARS OR SMALLER	3/4"
BEAMS, COLUMNS, PEDESTALS AND TENSION TIES	1 1/2"
COLUMN VERTICAL BARS	2"
BOUNDARY ELEMENTS	1 1/2"

4. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH AWS D1.4.
5. SUPPORTS FOR REINFORCEMENT SHALL HAVE CLASS 2 PROTECTION AS DEFINED IN THE CRSI MANUAL OF STANDARD PRACTICE, UNLESS OTHERWISE NOTED.
6. ALL WELDED WIRE REINFORCING (WWR) SHALL BE LAPPED 2 PANELS AT EDGES AND ENDS.
7. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY, UNLESS OTHERWISE NOTED. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND SPACING OF WALL OR COLUMN REINFORCEMENT. EXTEND DOWELS A LAP SPLICE LENGTH INTO WALL OR COLUMN AND TERMINATE WITH STANDARD HOOK AT BOTTOM OF FOOTING, UNLESS OTHERWISE NOTED.
8. REINFORCING IN WALL FOOTINGS AND GRADE BEAMS BETWEEN COLUMNS SHALL BE DEVELOPED (Ld) INTO COLUMN FOOTINGS.
9. CUTTING OF REINFORCING WHICH CONFLICTS WITH EMBEDDED OBJECTS OR SLEEVES IS NOT ACCEPTABLE.
10. REINFORCING BARS SHALL BE BENT COLD, AND NO METHOD OF FABRICATION SHALL BE USED WHICH WOULD BE INJURIOUS TO THE MATERIAL. HEATING OF BARS FOR BENDING IS NOT PERMITTED.
11. FIELD WELDING OR BENDING OF REINFORCING IS NOT PERMITTED EXCEPT AS INDICATED ON THE DRAWINGS OR AS APPROVED BY THE SEOR.
12. USE TEMPLATES TO SET ALL EMBEDDED ANCHOR BOLTS, LEVELING PLATES, AND DOWEL BARS AS REQUIRED OR INDICATED ON THE DRAWINGS.
13. SUBMIT SHOP DRAWINGS FOR FABRICATION AND PLACEMENT OF REINFORCING STEEL. INCLUDE SCHEDULES AND DIAGRAMS OF BENT BARS AND SHOW ARRANGEMENT OF REINFORCEMENT, INCLUDING CONCRETE COVER. STRUCTURAL ENGINEER'S REVIEW WILL BE FOR COMPLIANCE WITH DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND QUANTITIES.
14. ALL CONCRETE NOT OTHERWISE SPECIFIED SHALL BE REINFORCED TO THE MINIMUM REQUIREMENT OF ACI 318.

F. CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: AC1 117, AC1 301, ACI 305.1, ACI 306.1, ACI 308.1, ACI 316 AND SP-066, UNLESS NOTED OTHERWISE.
2. CONCRETE MATERIALS SHALL CONFORM TO:

CEMENT	ASTM
C150, TYPE I OR II	
FLY ASH	ASTM
C618, TYPE C OR F	
FINE AND COARSE AGGREGATE	ASTM C33
LIGHTWEIGHT AGGREGATE	ASTM C330
WATER	
POTABLE	
AIR-ENTRAINING ADMIXTURE	ASTM C260
WATER-REDUCING ADMIXTURE	ASTM C494

3. CONCRETE STRENGTHS SHALL CONFORM TO:

INTENDED USE	STRENGTH (PSI)	EXPOSURE CLASS
FOOTINGS	3000	N/A
FOUNDATIONS	4000	N/A
SLAB-ON-GRADE	4000	N/A
UNLESS NOTED OTHERWISE	4000	N/A

NORMAL WEIGHT 28-DAY STRENGTH UNLESS NOTED OTHERWISE.

4. DRYPACK OR GROUT SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 7,000 PSI.
5. SLAB ON GRADE CONSTRUCTION:
   LOCATE SAW CUT CONTROL JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED PER THE TABLE BELOW, U.N.O.
   SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5:1.
   PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS.
   SEE PLAN FOR SPECIAL CASES.

THICKNESS (IN)	MAX. JOINT SPACING (FT.)
4	12
5	13
6	15
8	16
10	20
12	22

6. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ENSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, AND EDGES OF WALLS/FOUNDATIONS PRIOR TO PLACING CONCRETE.
7. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS.
8. CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED TO 1/4" AMPLITUDE BY SAND BLASTING OR MECHANICAL MEANS. CLEAN BEFORE POUR. LOCATION TO BE APPROVED BY THE STRUCTURAL ENGINEER. SUBMIT LOCATION PLAN OF ALL PROPOSED JOINTS NOT INDICATED ON DRAWINGS FOR APPROVAL PRIOR TO BEGINNING WORK.
9. PRIOR TO PLACING CONCRETE, THE CONTRACTOR SHALL ENSURE ALL REINFORCING AND EMBEDMENTS, INCLUDING COLUMN ANCHOR BOLTS, ARE PROPERLY LOCATED AND SECURELY TIED IN PLACE.
10. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL PENETRATIONS THROUGH CONCRETE BEFORE PLACING. SECURE SLEEVES TO PREVENT MOVEMENT DURING PLACING OPERATIONS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS.
11. CONDUIT, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO REQUIREMENTS OF ACI 318, SECTIONS 20.7 AND 26.8.
12. DO NOT PLACE VERTICAL CONDUIT IN CONCRETE COLUMNS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
13. NO ALUMINUM SHALL BE ALLOWED IN THE CONCRETE WORK UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION.
14. WATERSTOPS SHALL BE A FLEXIBLE BENTONITE PVC PRODUCT. ACCEPTABLE PRODUCTS INCLUDE: CETCO WATERSTOP-RX AND GREENSTREAK SWELLSTOP, WESTIC BARRIER TECHNOLOGIES TPE-R WATERSTOP AND GREENSTREAK PVC WATERSTOP.
15. SLOPE SLABS TO DRAINS OR FOR POSITIVE DRAINAGE IF NO DRAINS ARE PRESENT AND PROVIDE DEPRESSIONS WHERE SHOWN ON THE STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS WITHOUT REDUCING THE THICKNESS OF SLAB INDICATED. FOR SLAB-ON-GRADE DEPRESSIONS GREATER THAN 1 INCH, SEE DETAILS FOR ADDITIONAL REINFORCING.
16. INTERNALLY VIBRATE ALL CAST-IN-PLACE CONCRETE EXCEPT SLABS-ON-GRADE WHICH NEED ONLY BE VIBRATED AROUND UNDER FLOOR DUCTS AND OTHER EMBEDDED ITEMS. VIBRATE TOPS OF COLUMNS.
17. CONCRETE SHALL NOT BE PERMITTED TO DROP MORE THAN 5 FEET.
18. IF CONCRETE IS PLACED BY PUMPING, SUPPORT SHALL BE PROVIDED FOR THE HOSE. THE HOSE SHALL NOT BE ALLOWED TO RIDE ON THE REINFORCING AND OTHER EMBEDDED ITEMS.
19. CONCRETE SLABS SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 7 DAYS. FORMS FOR CONCRETE WALLS SHALL BE LEFT IN PLACE FOR 7 DAYS OR MAY BE STRIPPED AFTER 3 DAYS AND COATED WITH AN APPROVED CURING COMPOUND.
20. NOTIFY THE ARCHITECT 48 HOURS MINIMUM PRIOR TO ALL POURS.
21. CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS.
22. THE DESIGN AND ENGINEERING OF FORMWORK, SHORING AND RESHORING, AS WELL AS THEIR CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMS SHALL BE DESIGNED TO HAVE SUFFICIENT STRENGTH TO SAFELY WITHSTAND THE LOADS RESULTING FROM PLACEMENT AND VIBRATION OF THE CONCRETE AND SHALL ALSO BE DESIGNED FOR SUFFICIENT RIGIDITY TO MAINTAIN SPECIFIED TOLERANCES. CONTRACTOR SHALL SUBMIT DETAILED FORMWORK SHOP DRAWINGS TO THE ARCHITECT TO BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT ONLY.
23. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS MINIMUM THICKNESS. NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
24. NO CONCRETE SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, ICE OR SNOW.
25. DURING WINTER CONSTRUCTION, ALL FOOTINGS SHALL BE PROTECTED FROM FROST PENETRATION UNTIL THE BUILDING IS ENCLOSED AND TEMPORARY HEAT IS PROVIDED.
26. GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR SIZE, LOCATION AND HEIGHT OF MECHANICAL EQUIPMENT PADS ON CONCRETE SLAB ON STEEL DECK AND SLAB-ON-GRADE.

G. FOUNDATIONS

1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL CAPABLE OF SUPPORTING THE DESIGN MINIMUM SOIL BEARING PRESSURE SPECIFIED IN THE "DESIGN CRITERIA" SECTION OF THESE STRUCTURAL NOTES. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.
2. CONTRACTOR SHALL STRIP ALL UNSUITABLE SOIL FROM BELOW BUILDING. FILL MATERIAL UNDER THE FOUNDATION SHALL BE COMPACTED TO 100% OF STANDARD PROCTOR IN 8" MAXIMUM LIFTS.
3. CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN THE "CAST-IN-PLACE CONCRETE" SECTION OF THESE STRUCTURAL NOTES.
4. TOP OF FOOTING ELEVATIONS SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS. NOTIFY ARCHITECT IF FIELD CONDITIONS WARRANT A CHANGE.
5. IF FOOTINGS CANNOT BE PLACED IMMEDIATELY AFTER EXCAVATIONS ARE MADE, PROTECT SOIL FROM MOISTURE DAMAGE BY INSTALLING A 2" THICK SEAL OF LEAN CONCRETE.
6. ALL FOUNDATIONS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION.
7. ANY REQUIRED WATER STOPS SHALL BE SECURED IN PLACE TO AVOID DISPLACEMENT WHEN CONCRETE IS POURED.
8. CONSTRUCTION JOINTS IN FOUNDATION WALLS & STRIP FOOTINGS MAY BE LOCATED AT THE DISCRETION OF THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. REINFORCING SHALL BE CONTINUOUS ACROSS JOINTS. CONSTRUCTION JOINTS IN SPREAD AND MAT FOOTINGS ARE PROHIBITED WITHOUT THE ARCHITECT'S APPROVAL.
9. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION OF ALL REQUIRED SLEEVES AND INSERTS AND AS NEEDED FOR ANY EXISTING UTILITIES.
10. DEPRESS FOUNDATION WALLS AT DOOR OPENINGS 8" UNLESS NOTED OTHERWISE. VERIFY ALL DOOR OPENING LOCATIONS WITH THE ARCHITECTURAL PLANS.

H. SLAB-ON-GRADE

1. CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN THE "CAST-IN-PLACE CONCRETE" SECTION OF THESE STRUCTURAL NOTES.
2. PROVIDE INTERIOR CONCRETE SLABS OVER A 6 MIL POLYETHYLENE VAPOR BARRIER & PROVIDE 4" OF POROUS SUBGRADE OR POROUS FILL, COMPACTED TO 95% OF STANDARD PROCTOR, UNDER POLYETHYLENE BARRIER.
3. ALL POROUS FILL MATERIAL SHALL BE CLEAN GRANULAR MATERIAL WITH 100% PASSING A 1-1/2 INCH SIEVE AND NO MORE THAN 5% PASSING A NO. 4 SIEVE.
4. UNLESS OTHERWISE NOTED, ALL SLABS-ON GRADE SHALL BE 4 INCHES THICK.
5. CONSTRUCTION JOINTS SHALL BE SAWN AS SOON AS POSSIBLE AFTER THE SLAB IS POURED WITHOUT SPALLING THE JOINT EDGES. JOINTS SHALL BE DETAILED AND LOCATED AS SHOWN ON THE STRUCTURAL DRAWINGS.
6. FILL SAWN SLAB JOINTS WITH EPOXY RESIN. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS THEN FILL IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
7. THE MAXIMUM SPACING OF JOINTS SHALL BE 24 TIMES THE SLAB THICKNESS.
8. SEE THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.
9. PROVIDE EXPANSION JOINTS BETWEEN EXTERIOR SLABS-ON-GRADE AND THE BUILDING.

I. WOOD FRAMING

1. THE ALL WOOD FRAMING MATERIAL SHALL BE SURFACE DRY AND USED AT 19% MAXIMUM MOISTURE CONTENT. ALLOWABLE STRESS REQUIREMENTS OF ALL MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THIS SECTION.
2. UNLESS OTHERWISE NOTED; JOISTS, RAFTERS, EXTERIOR WALL STUDS, LOAD BEARING INTERIOR WALL STUDS AND MISCELLANEOUS FRAMING SHALL BE NO. 1 GRADE SPRUCE-PINE-FIR OR BETTER WITH THE FOLLOWING MINIMUM PROPERTIES:

   F/b = 875 PSI; F/t = 450 PSI; F/v = 135 PSI;
   F/c, PARALLEL = 1,150 PSI; F/c, PERP. = 425 PSI; E = 1,400 PSI

3. JOISTS, RAFTERS, EXTERIOR WALL STUDS, LOAD BEARING INTERIOR WALL STUDS AND MISCELLANEOUS FRAMING NOTED AS SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING MINIMUM PROPERTIES:

   2-4 INCHES THICK, 2-4 INCHES WIDE
   F/b = 1,500 PSI; F/t = 1,000 PSI; F/v = 175 PSI;
   F/c, PARALLEL = 1,650 PSI; F/c, PERP. = 565 PSI; E = 1,600 PSI

   2-4 INCHES THICK, 5-6 INCHES WIDE
   F/b = 1,350 PSI; F/t = 875 PSI; F/v = 175 PSI;
   F/c. PARALLEL = 1,550 PSI; F/c, PERP. = 565 PSI; E = 1,600 PSI

   2-4 INCHES THICK, 8 INCHES WIDE
   F/b = 1,250 PSI; F/t = 800 PSI; F/v = 175 PSI;
   F/c, PARALLEL = 1,500 PSI; F/c, PERP. = 565 PSI; E = 1,600 PSI

   2-4 INCHES THICK, 10 INCHES WIDE
   F/b = 1,050 PSI; F/t = 700 PSI; F/v = 175 PSI;
   F/c, PARALLEL = 1,450 PSI; F/c, PERP. = 565 PSI; E = 1,600 PSI

   2-4 INCHES THICK, 12 INCHES WIDE
   F/b = 1,000 PSI; F/t = 650 PSI; F/v = 175 PSI;
   F/c, PARALLEL = 1,400 PSI; F/c, PERP. = 565 PSI; E = 1,600 PSI

4. ALL FRAMING EXPOSED TO THE WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION SPECIFICATIONS. WHERE POSSIBLE, ALL CUTS AND HOLES SHOULD BE COMPLETED BEFORE TREATMENT. CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE BRUSHED WITH TWO COATS OF COPPER NAPHTHENATE SOLUTION CONTAINING A MINIMUM 2% METALLIC COPPER IN SOLUTION PER AWWA STD. M4.
5. THE CONTRACTOR SHALL CAREFULLY SELECT LUMBER TO BE USED IN LOAD BEARING APPLICATIONS. THE LENGTH OF SPLIT ON THE WIDE FACE OF 2" NOMINAL LOAD BEARING FRAMING SHALL BE LIMITED TO LESS THAN 1/2 OF THE WIDE FACE DIMENSION. THE LENGTH OF SPLIT ON THE WIDE FACE OF 3 INCHES (NOMINAL) AND THICKER LUMBER SHALL BE LIMITED TO 1/2 OF THE NARROW FACE DIMENSION.
6. PROVIDE DOUBLE JOISTS UNDER PARTITIONS WHICH RUN PARALLEL WITH JOISTS AND UNDER ALL CONCENTRATED LOADS FROM THE FRAMING ABOVE.
7. PROVIDE HEADER BEAMS OF THE SAME SIZE AS JOISTS OR RAFTERS TO FRAME AROUND OPENINGS IN THE PLYWOOD DECK UNLESS OTHERWISE NOTED.

CARMI design group inc
architecture+design
210 E. MAIN STREET; P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER
REGISTERED NO. 00910097
STATE OF INDIANA
ARCHITECT

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H.S. TENNIS COURTS

FREMONT, INDIANA

NO.	ISSUED	DATE
	CD SET FOR BIDDING	07-20-2026

PROJECT # 2025-020C

DRAWN BY CDG | CHECKED BY TCL

GENERAL/STRUCTURAL NOTES

S1.0

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1 ARCHITECTURAL SITE PLAN
1" = 30'-0"

N

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
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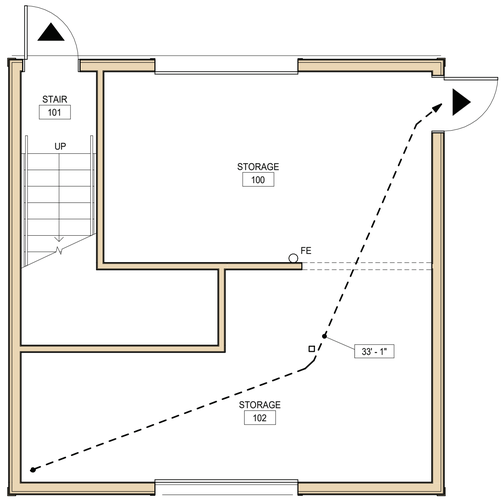
NO.	ISSUED	DATE
	CD SET FOR BIDDING	07-20-2026

PROJECT #	2025-020C
DRAWN BY	CHECKED BY
CDG	TCL

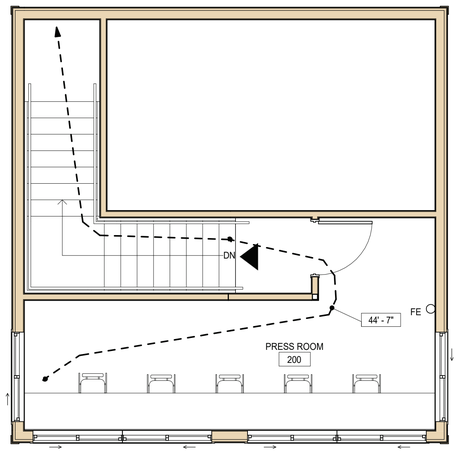
ARCHITECTURAL SITE PLAN

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1 LIFE SAFETY PLAN - FIRST FLOOR
1/4" = 1'-0"
288 SF
N



2 LIFE SAFETY PLAN - SECOND FLOOR
1/4" = 1'-0"
288 SF
N

CODE INFO:

APPLICABLE CODES:
2015 INTERNATIONAL BUILDING CODE (IBC)
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2017 NATIONAL ELECTRIC CODE (NEC)
2015 INTERNATIONAL EXISTING BUILDINGS CODE (IEBC)
2015 INTERNATIONAL FUEL GAS CODE (IFGC)
2015 INTERNATIONAL MECHANICAL CODE (IMC)
2015 INTERNATIONAL PLUMBING CODE (IPC)

SCOPE OF PROJECT:
PRESS BOX AND STORAGE ROOMS FOR EXISTING RUNNING TRACK

BUILDING OCCUPANCY CLASSIFICATION:
S STORAGE (FIRST FLOOR)
B BUSINESS (SECOND FLOOR)

CONSTRUCTION TYPE:
V-B (WOOD CONSTRUCTION, COMBUSTIBLE MATERIALS)

ALLOWABLE AREA (S AND B OCCUPANCY):
S2: ALLOWABLE AREA = 9,000 SF (ACTUAL AREA = 422 SF TOTAL)
B: ALLOWABLE AREA = 9,000 SF (ACTUAL AREA = 220 SF TOTAL)

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):
TYPE V-B = 0

SPRINKLER SYSTEMS (SECTION 903):
SPRINKLER SYSTEM NOT REQUIRED (SECTION 903)

FIRE ALARM AND DETECTIONS SYSTEMS (SECTION 907):
NOT REQUIRED (SECTION 907.2.1)
OCCUPANT LOAD UNDER 300

EXITS REQUIRED (SECTION 1006.2):
ONE (1) EXIT REQUIRED FROM EACH FLOOR

TRAVEL DISTANCE TO EXITS (SECTION 1017.2):
B OCCUPANCY
MAXIMUM 200' FOR BUILDING WITHOUT SPRINKLER SYSTEM
NO TRAVEL DISTANCE EXCEEDS THIS (SEE PLAN FOR ACTUAL DISTANCES)

LEGEND

◀	EXIT; REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNS, DISCHARGE LIGHTING AND EMERGENCY LIGHTING
●---→	TRAVEL DISTANCE
○ FE	FIRE EXTINGUISHER

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TODD C. LEININGER
REGISTERED NO. 00910097
STATE OF INDIANA
ARCHITECT

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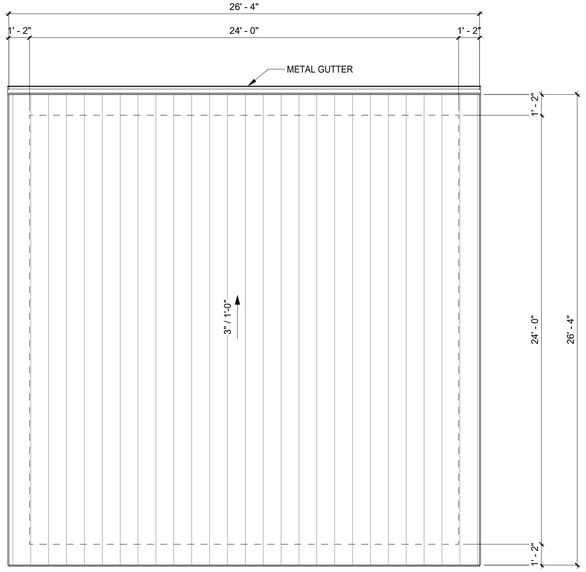
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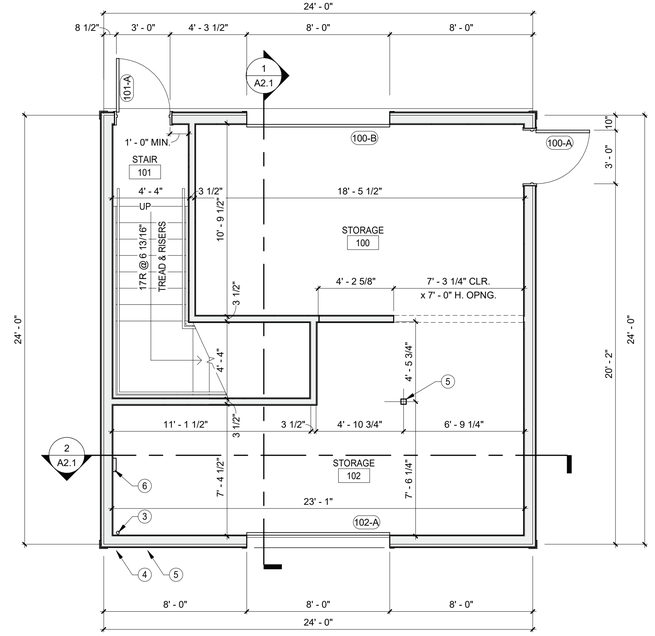
LIFE SAFETY PLAN

A0.1

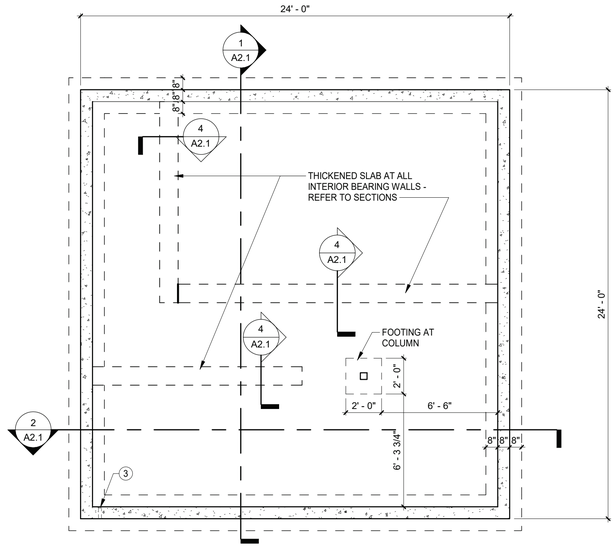
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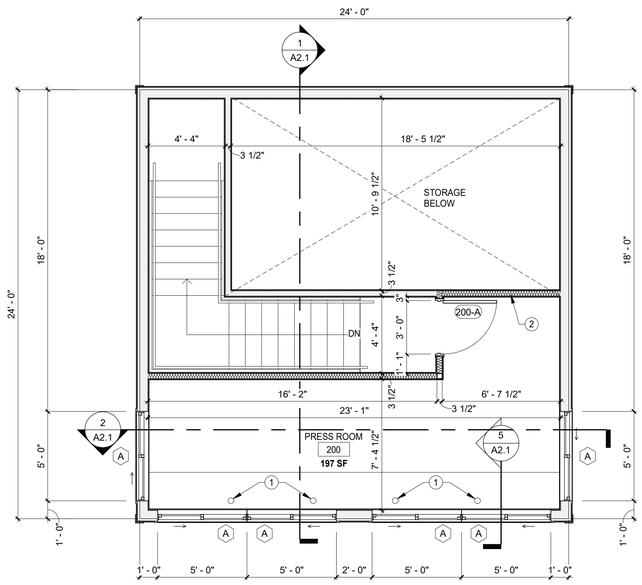
3 ROOF PLAN
1/4" = 1'-0"



1 FIRST FLOOR PLAN
1/4" = 1'-0"



4 FOUNDATION PLAN
1/4" = 1'-0"



2 SECOND FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

A. TOP OF SLAB ELEVATION 100.0'

B. DIMENSIONS SHOWN ARE, UNLESS NOTED OTHERWISE, TO FACE OF STUD IN FRAME WALLS

C. PROVIDE ADEQUATE BLOCKING WHERE REQUIRED FOR ANCHORAGE OF SHELVING, GRAB BARS, HANDRAIL, COUNTERTOPS, SINK, ETC.

D. ALL SIGNAGE TO BE FURNISHED AND INSTALLED BY OWNER UNLESS NOTED OTHERWISE.

E. PROVIDE (2) PVC CONDUIT UP TO PRESSBOX FOR FUTURE SCOREBOARD, ETC. LOCATION TO BE VERIFIED WITH OWNER.

F. PROVIDE 2 INCH PVC CONDUIT THROUGH CONCRETE FLOOR NAD FOOTING/FOUNDATION FOR ADDITIONAL ITEMS [TIME TRACKER WIRING AND STAT BOARD, ETC.]

CONSTRUCTION KEYNOTES

1. 4" PORTS THROUGH COUNTER. DIRECTLY ABOVE THE RECEPTACLES.
2. R12 WALL INSULATION @ PRESS ROOM WALLS
3. 2" PVC CONDUIT FOR FUTURE WIRING.
4. PRACTICE FIELD WATERLINES WITH SHUT-OFFS AND WINTERIZING VALVES.
5. 1" WATER LINE WITH VALVE AND WATER HOSE BIB TO BE ON OUTSIDE OF BUILDING. COORDINATE WITH OWNER.
6. IRRIGATION PANEL
7. 4" x 4" WOOD POST

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER
REGISTERED NO. 00910097
STATE OF INDIANA
ARCHITECT

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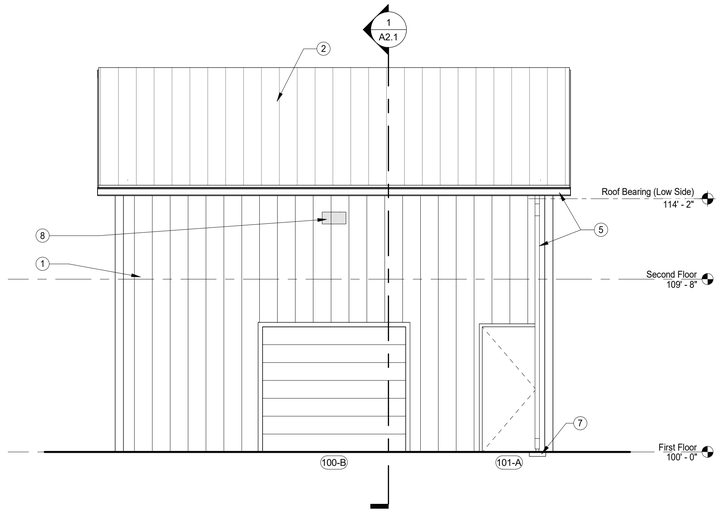
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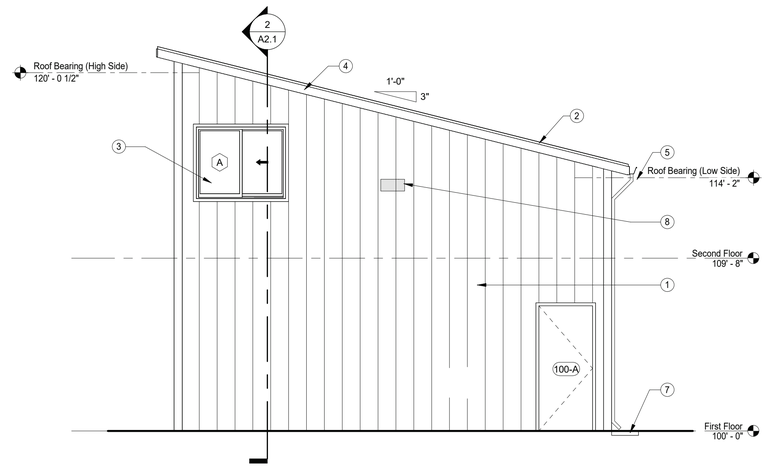
PRESS BOX PLANS

A1.0

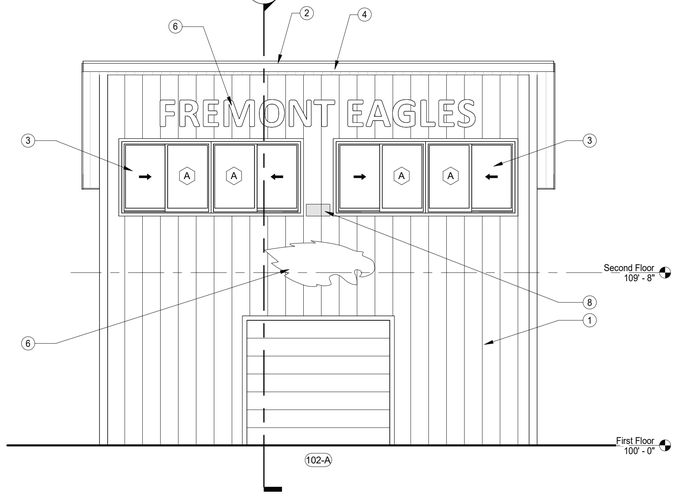
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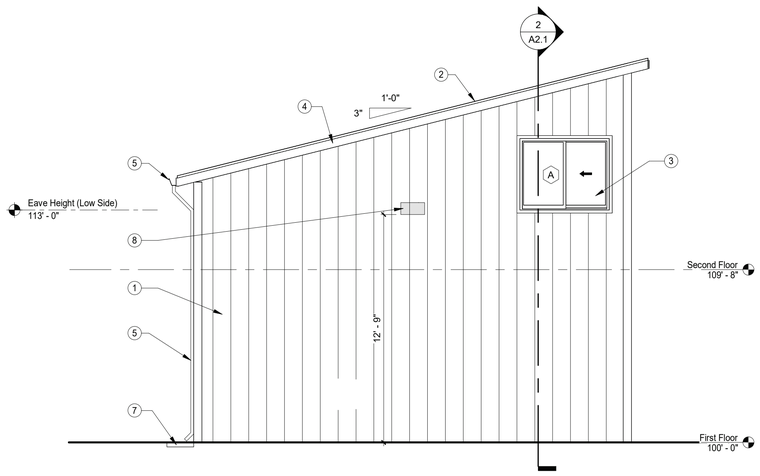
1 PRESSBOX - NORTH ELEVATION
1/4" = 1'-0"



2 PRESSBOX - EAST ELEVATION
1/4" = 1'-0"



3 PRESSBOX - SOUTH ELEVATION
1/4" = 1'-0"



4 PRESSBOX - WEST ELEVATION
1/4" = 1'-0"

KEYNOTES

1. PRE-FIN. MTL SIDING
2. STANDING SEAM METAL ROOF OVER ROOF SHEATHING OVER 2x12 WOOD RAFTERS.
3. OPERABLE WINDOW. SEE WINDOW ELEVATIONS.
4. PREFINISHED MTL FASCIA & SOFFIT
5. MTL GUTTER & DOWNSPOUT
6. CUSTOM FABRICATED ALUMINUM "FREMONT EAGLES" SIGNAGE & LOGO BY OWNER.
7. CONCRETE SPILLWAY
8. WALL MOUNT LIGHT FIXTURE

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER
REGISTERED NO. 00910097
STATE OF INDIANA
ARCHITECT

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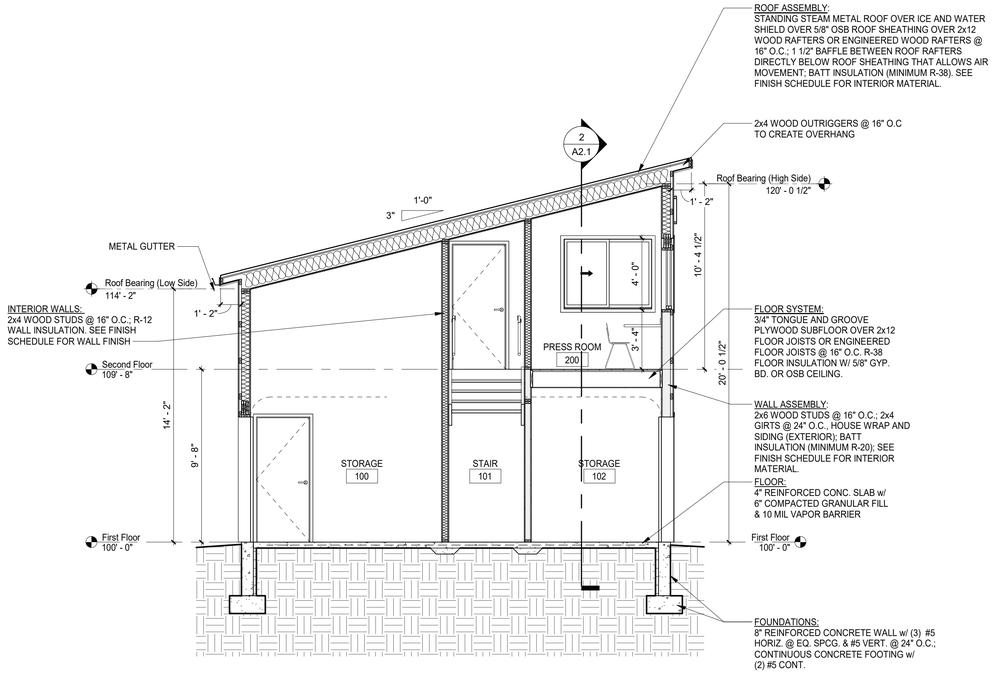
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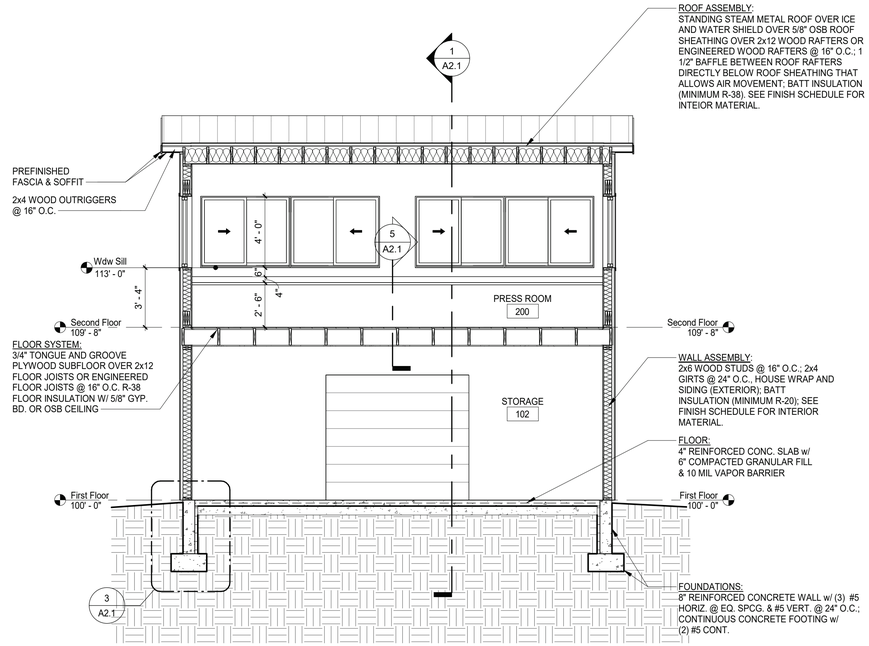
EXTERIOR ELEVATIONS

A2.0

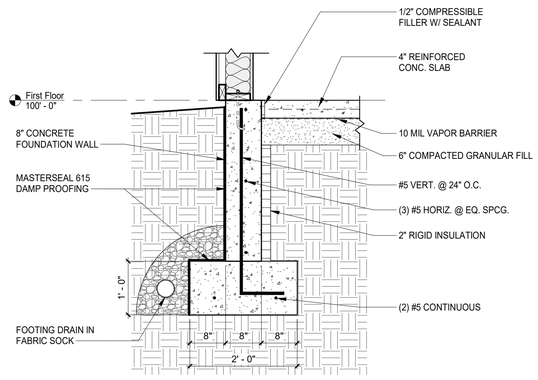
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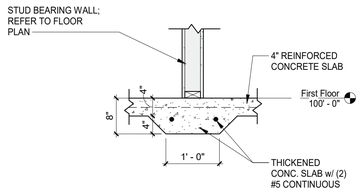
1 BUILDING SECTION
1/4" = 1'-0"



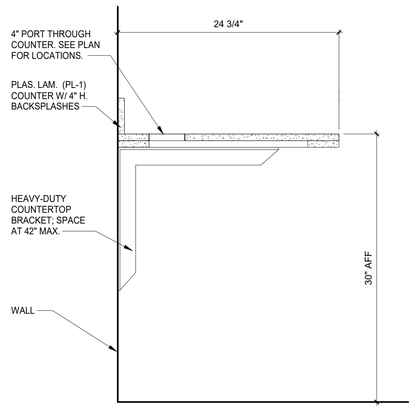
2 BUILDING SECTION
1/4" = 1'-0"



3 FOUNDATION DETAIL
3/4" = 1'-0"



4 THICKENED SLAB DETAIL
3/4" = 1'-0"



5 SECTION AT COUNTER
1 1/2" = 1'-0"

NOTE: CONDUIT TO BE RUN FOR FUTURE DATA, HIGH ON WALL ON FRONT AND BACK WALLS OF PRESS ROOM.

CARMI design group inc
architecture+design
210 E. MAIN STREET; P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER REGISTERED NO. 00910097 STATE OF INDIANA ARCHITECT

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SECTIONS & DETAILS

A2.1

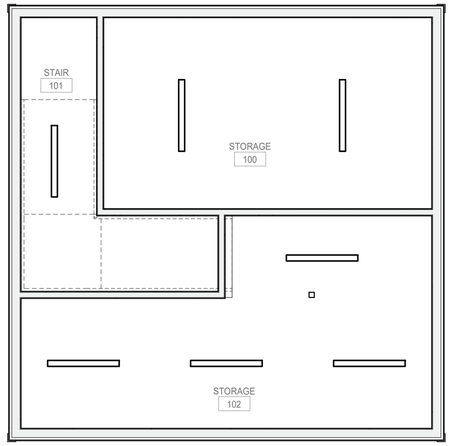
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ROOM FINISH SCHEDULE

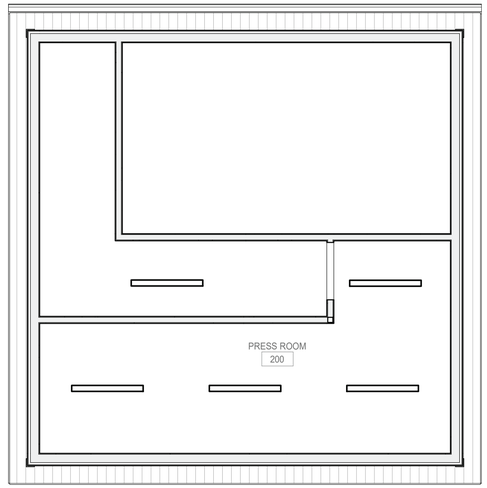
ROOM NO.	ROOM NAME	FLOOR FINISH	WALL BASE	WALLS				CEILINGS	DOORS		NOTES
				NORTH	EAST	SOUTH	WEST	FINISH	DOOR MATL.	FRAME MATL.	
100	STORAGE	SEALED CONC.	--	PRE-FIN. MTL LINER PANEL	PRE-FIN. MTL LINER PANEL	PRE-FIN. MTL LINER PANEL	PRE-FIN. MTL LINER PANEL	LINER PANEL	HM	HM	1,2
101	STAIR	LVT	VINYL/RUBBER	OSB OR GYP. BD.	OSB OR GYP. BD.	OSB OR GYP. BD.	OSB OR GYP. BD.	LINER PANEL	HM	HM	1,2
102	STORAGE	SEALED CONC.	--	PREFIN. MTL LINER PANEL	PRE-FIN. MTL LINER PANEL	PRE-FIN. MTL LINER PANEL	PRE-FIN. MTL LINER PANEL	LINER PANEL	--	--	1,2
200	PRESS ROOM	LVT	VINYL/RUBBER	OSB OR GYP. BD.	OSB OR GYP. BD.	OSB OR GYP. BD.	OSB OR GYP. BD.	LINER PANEL	--	--	1,2

GENERAL FINISH NOTES

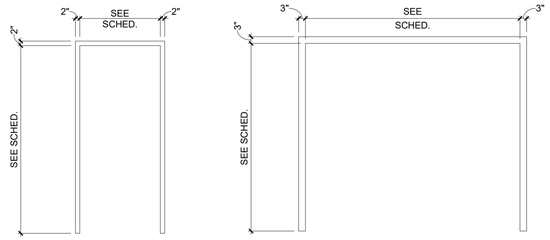
1. ALL COLORS TO BE SELECTED BY OWNER.
2. CEILINGS TO BE EXPOSED STRUCTURE, PAINTED.



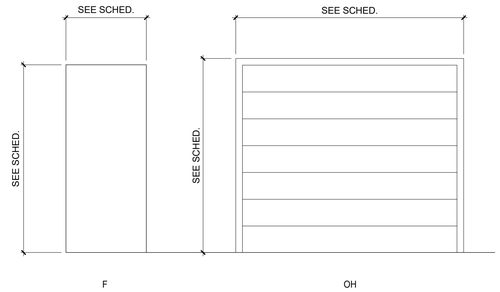
1 FIRST FLOOR RCP
1/4" = 1'-0"



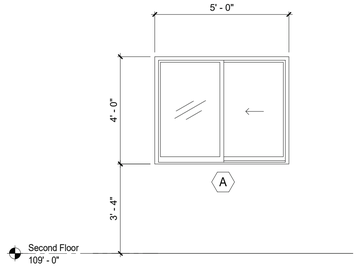
2 SECOND FLOOR RCP
1/4" = 1'-0"



FRAME ELEVATIONS
3/8" = 1'-0"



DOOR ELEVATIONS
3/8" = 1'-0"



WINDOW ELEVATION
3/8" = 1'-0"

A WOJAN 3 1/4" M-950 SERIES HORIZONTAL SLIDER; OR EQUAL.

HARDWARE SETS

ALL DOOR HARDWARE BY OWNER THROUGH CENTRAL INDIANA HARDWARE.

DOOR & FRAME SCHEDULE

MARK	TYPE	DOOR WIDTH	DOOR HGT	DOOR THK	DOOR MATL	DOOR FINISH	FRAME MATL.	FRAME EL.	FIRE RATING	HARDWARE SET NO.	NOTES
100-A	F	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	I			1
100-B	OH	8' - 0"	7' - 0"	1 3/4"	STL.	MFR	HM	II			1
101-A	F	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	I			1
102-A	OH	8' - 0"	7' - 0"	1 3/4"	STL.	MFR	HM	II			1
200-A	F	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	I			1

NOTES:
1. ALL EXTERIOR DOORS TO BE INSULATED.

RCP LEGEND

NEW SURFACE-MOUNTED LIGHT FIXTURE; REFER TO ELECTRICAL PLANS

RCP GENERAL NOTES

A. ATTACH LIGHT FIXTURES TO BOTTOM OF STRUCTURE

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER REGISTERED NO. 00910097 STATE OF INDIANA ARCHITECT

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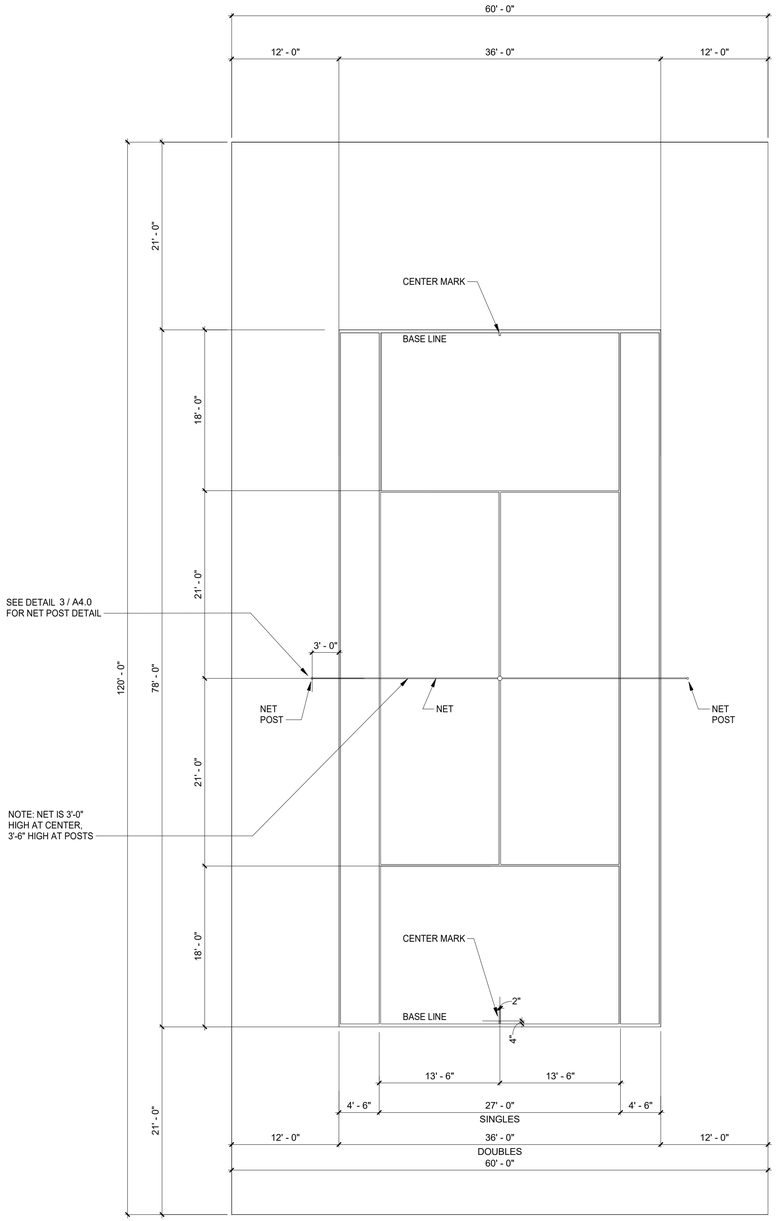
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REFLECTED CEILING PLANS & SCHEDULES

A3.0

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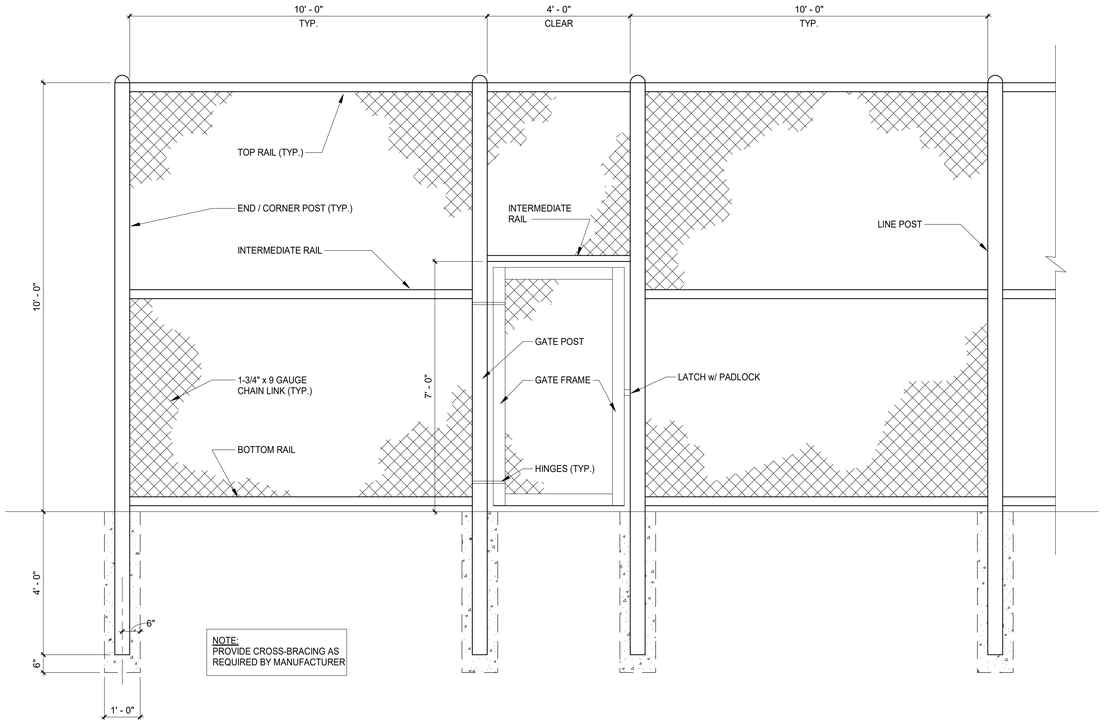


1 ENLARGED TYPICAL TENNIS COURT LAYOUT
1/8" = 1'-0"

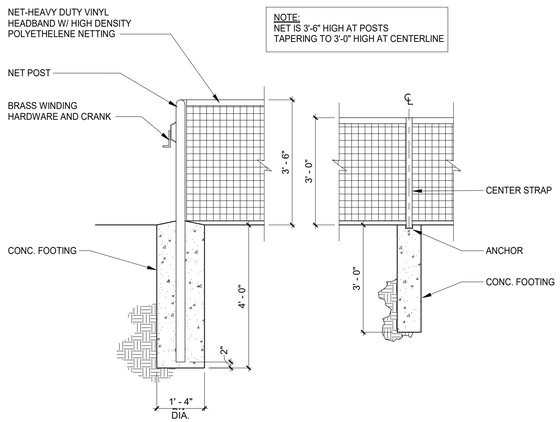
NOTES:

1. PAINT ALL LINES WHITE, BASE LINE TO BE 4" WIDE; ALL OTHERS 2" WIDE

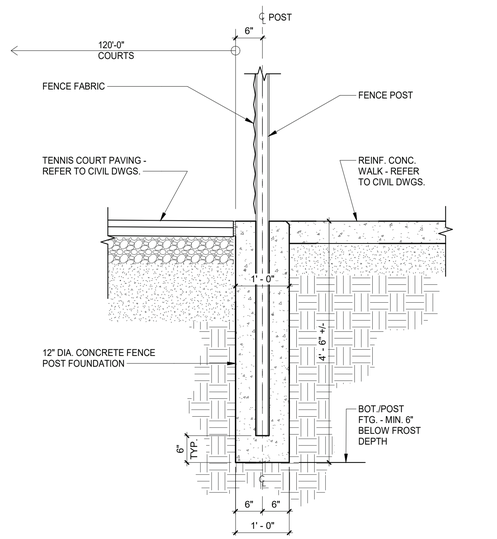
2. TENNIS COURT NETS, NET POSTS AND TIE DOWNS ARE BY OWNER



2 CHAIN LINK FENCING
1/2" = 1'-0"



3 TENNIS NET DETAIL
1/2" = 1'-0"



4 TYPICAL FENCE POST SECTION
3/4" = 1'-0"

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER
REGISTERED NO. 00910097
STATE OF INDIANA
ARCHITECT

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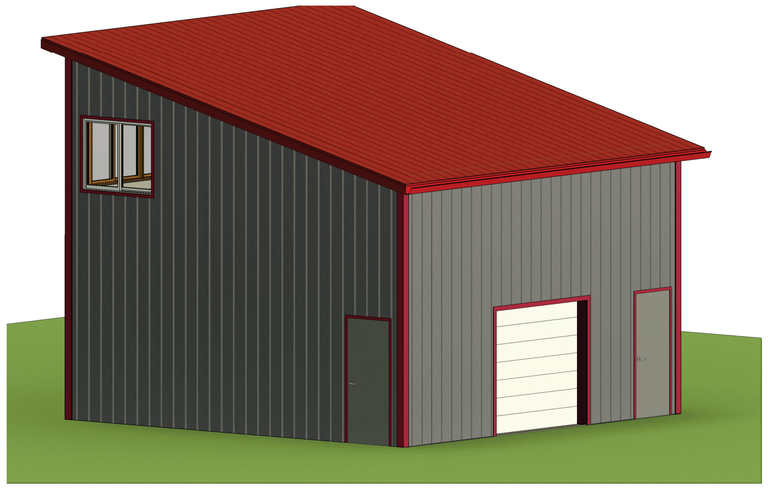
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TENNIS COURT DETAILS

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1 3D VIEW 1



2 3D VIEW 2

GENERAL NOTES

A. ALL FINAL COLOR SELECTIONS BY OWNER.

B. ALL SIGNAGE TO BE BY OWNER.

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architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

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3D VIEWS

3D1.0

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LUMINAIRE SCHEDULE					
SYMBOL	TYPE	DESCRIPTION	VOLT	LAMP	MANUFACTURER
	LA	4'L SURFACE MOUNTED FIXTURE, CURVED FROSTED ACRYLIC LENS, 0-10V DIMMING, 14 WATT POWER SUPPLY WHERE 'EM' INDICATED.	M-VOLT	4500 LUMEN LED 3500K 80 CRI 34 WATT	COLUMBIA: CRW SERIES OR EQUIVALENT
	LB	COMPACT WALL MOUNTED TRAPEZOID EXTERIOR FIXTURE, DIE-CAST ALUMINUM HOUSING, FULL CUT-OFF TYPE III DISTRIBUTION, INTEGRAL DUSK-DAWN PHOTOCELL, 13 WATT EMERGENCY POWER SUPPLY, WHERE 'EM' INDICATED.	M-VOLT	10,300 LUMEN LED 4000K 80 CRI 85 WATT	CURRENT LIGHTING: TRP2 SERIES OR EQUIVALENT
	X	UNIVERSAL MOUNT EXIT SIGN, WHITE POLYCARBONATE HOUSING, RED LETTERS, 90 MINUTE NICAD BATTERY.	M-VOLT	LED	COMPASS: CE SERIES OR EQUIVALENT

ELECTRICAL ABBREVIATION LIST

ABBREVATION	DESCRIPTION
A	AMPHERE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
AIC	AMPS INTERRUPTING CAPACITY
BKR	BREAKER
BPS	BOLTED PRESSURE SWITCH
CB	CIRCUIT BREAKER
CIR/CKT	CIRCUIT
CLG	CEILING
CP	CIRCULATION PUMP
CUH	CABINET UNIT HEATER
DED	DEDICATED
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
DWG	DRAWING
EBU	EMERGENCY BATTERY UNIT
EF	EXHAUST FAN
EM	EMERGENCY
EM/NL	EMERGENCY/NIGHT LIGHT
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FLA	FULL LOAD AMPS
F	FUSE

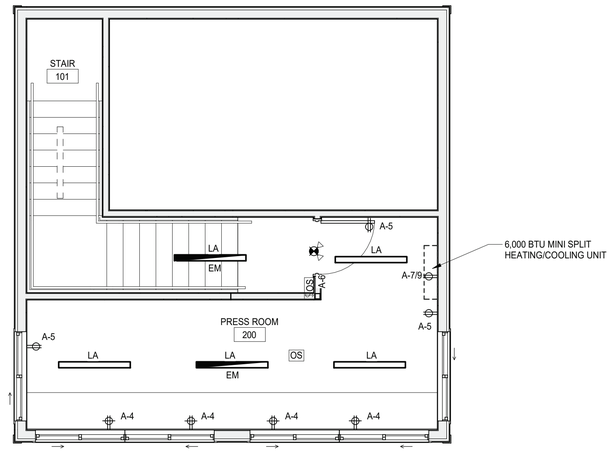
ABBREVATION	DESCRIPTION
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
GRC	GALVANIZED RIGID CONDUIT
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HZ	HERTZ
IG	ISOLATED GROUND
JB	JUNCTION BOX
KW	KILOWATT
KWH	KILOWATT - HOURS
KVA	KILO VOLT-AMPERES
LP	LIGHTING PANEL
LO	LOCK-ON
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MUA	MAKE-UP AIR UNIT

ABBREVATION	DESCRIPTION
NC	NORMALLY CLOSED
NF	NON-FUSIBLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
RECEPT.	RECEPTACLE
RP	RECEPTACLE PANEL
RTU	ROOF TOP UNIT
SD	SMOKE DETECTOR
SPEC	SPECIFICATION
TELCOM	TELECOMMUNICATIONS
TYP	TYPICAL
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
WG	WIRE GUARD
T#	TRANSFORMER
(E)	EXISTING
(R)	RELOCATED
(N)	NEW

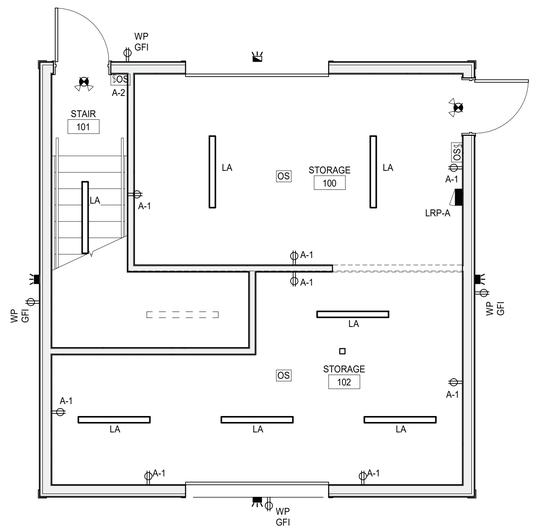
STANDARD MOUNTING HEIGHTS

CONVENIENCE AND SPECIAL PURPOSE RECEPTACLE OUTLETS AND LOW VOLTAGE SYSTEMS OUTLETS NOT OTHERWISE SPECIFIED	18" AFF TO CENTER OF BOX
CONVENIENCE AND SPECIAL PURPOSE RECEPTACLE OUTLETS AND LOW VOLTAGE SYSTEMS OUTLETS NOT OTHERWISE SPECIFIED IN CMU WALLS	24" AFF TO TOP OF BOX
LIGHT SWITCHES, MOTOR CONTROL DEVICES AND FIRE ALARM PULL STATIONS NOT OTHERWISE SPECIFIED	48" AFF TO CENTER OF BOX
FIRE ALARM HORNS, SPEAKERS, STROBES	80" AFF OR 6" BELOW CEILING, WHICHEVER IS LESS
CLOCKS AND COMBINATION DEVICES NOT OTHERWISE SPECIFIED	96" AFF OR 6" BELOW CEILING, WHICHEVER IS LESS
GFI RECEPTACLES IN TOILET ROOMS AND JANITOR CLOSETS NOT OTHERWISE SPECIFIED	42" AFF TO CENTER OF BOX
LIGHTING AND RECEPTACLE BRANCH CIRCUIT PANELBOARDS AND LIGHTING CONTROLLERS NOT OTHERWISE SPECIFIED	6'-6" AFF TO TOP OF ENCLOSURE

** COORDINATE EXACT MOUNTING HEIGHTS WITH ARCHITECT/MILLWORK PRIOR TO ROUGH-IN. **



2 SECOND FLOOR ELECTRICAL/MECH. PLAN
1/4" = 1'-0"



1 FIRST FLOOR ELECTRICAL/MECH. PLAN
1/4" = 1'-0"

GENERAL POWER NOTES:

1. ALL ELECTRICAL DEVICES AND ASSOCIATED OUTLET BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. ALL CONDUIT AND WIRING SHALL BE CONCEALED WHERE PHYSICALLY POSSIBLE, SURFACE RACEWAY SHALL ONLY BE PERMITTED WHERE NOTED.

2. PROVIDE (1) NO. 10 AWG NEUTRAL CONDUCTOR FOR ANY 20 AMP SINGLE PHASE CIRCUITS SHARING A NEUTRAL IN A SINGLE CONDUIT. WHERE MULTIWIRE BRANCH CIRCUITS ARE USED, PROVIDE SIMULTANEOUS DISCONNECTING MEANS IN PLACE OF SINGLE POLE BREAKERS.

3. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR WITHIN THE RACEWAYS ALONG WITH PHASE CONDUCTORS FOR ALL FEEDERS AND BRANCH CIRCUITS. CONDUIT IS NOT PERMITTED TO ACT AS AN EQUIPMENT GROUNDING CONDUCTOR UNLESS NOTED. AN ISOLATED GROUND CONDUCTOR (GREEN/WHITE) IS REQUIRED FOR ALL ISOLATED GROUND CIRCUITS.

4. WHEREVER 4 OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, E.C. SHALL INCREASE CONDUCTOR SIZE AS REQUIRED FOR DERATING PER NEC 315.B.2.9.

5. GROUND FAULT INTERRUPTING DEVICES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS AND NOT ALLOWED BEHIND FIXED IN PLACE OR UNMOVABLE EQUIPMENT. REMOTE DEVICES MAY BE REQUIRED.

6. ALL CIRCUITS SHALL USE A MINIMUM OF 12 AWG FOR 20 AMP CIRCUITS UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR SHALL CONFIRM CONDUCTOR AND CONDUIT SIZES FOR VOLTAGE DROP, A MAXIMUM OF 3% FOR BRANCH AND FEEDER AND 5% OVERALL.

7. COORDINATE WITH OTHER TRADES FOR ANY ELECTRICAL DEVICE LOCATIONS PRIOR TO ROUGH-IN. COMPLY WITH ALL APPLICABLE CODES FOR PROPER MOUNTING HEIGHTS, NFPA, NEC, ADA, ETC.

8. WHERE LOW VOLTAGE DEVICES AND RECEPTACLES ARE SHOWN NEXT TO EACH OTHER, INSTALL AS CLOSE AS POSSIBLE, DO NOT SCALE DRAWINGS.

9. ALL "SPECIAL SYSTEMS" WIRING AND DEVICES (IE. TELEPHONE, DATA, TV,) SHALL BE PROVIDED AND INSTALLED BY OTHERS UNLESS NOTED ON PLANS OR SPECIFICATIONS. E.C. TO PROVIDE BOXES AND RACEWAYS PER LEGEND AND SPECIFICATIONS. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER/SUPPLIER.

10. ALL DISCREPANCIES WITH THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE AOR FOR CLARIFICATION PRIOR TO BIDS. IN OTHERWISE DOING SO, THE ELECTRICAL CONTRACTOR SHALL BE LIABLE FOR ANY REQUIRED REVISIONS.

11. E.C. TO COORDINATE EXACT EQUIPMENTS OF ALL OTHER SYSTEMS WITH MANUFACTURER AND OTHER TRADES PRIOR TO ROUGH-IN AND PURCHASE OF ANY ELECTRICAL EQUIPMENT ASSOCIATED WITH SYSTEM. ANY DISCREPANCIES WITH THIS PLAN AND MANUFACTURER REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PURCHASE OR ELECTRICAL ROUGH-IN OF THIS EQUIPMENT.

12. ALL ITEMS SHOWN ON PLAN ARE NEW UNLESS MARKED AS (E) FOR EXISTING OR (R) FOR RELOCATED.

13. ALL EXISTING POWER AND ELECTRICAL CONDUIT IS TO BE REMOVED AND REPLACED WITH NEW. REUSE OF SOME EXISTING CONDUIT MAY BE CONSIDERED UPON REQUEST.

GENERAL LIGHTING NOTES:

1. FOR LUMINAIRES INFORMATION, REFER TO LUMINAIRES SCHEDULE UNLESS OTHERWISE NOTED.

2. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LUMINAIRES PRIOR TO INSTALLATION. COORDINATE ALL CEILING TRIMS AND MOUNTING HARDWARE WITH ARCHITECTURAL AND STRUCTURAL TRADES.

3. REFER TO ARCHITECTURAL DETAILS FOR ALL MOUNTING HEIGHTS OF LUMINAIRES IN EXPOSED CEILING AREAS. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS TO AVOID INTERFERENCE

4. ALL EMERGENCY AND EXIT LIGHTS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF CONTROLS, UNLESS OTHERWISE STATED. FOR LUMINAIRES SHOWN AS EMERGENCY (EM ONLY), POWER LOSS SENSING LEAD TO BE CONNECTED AHEAD OF CONTROL AND LUMINAIRES TO BE SWITCHED.

5. LUMINAIRES SHOWN AS NIGHT LIGHTS (NL ONLY) SHALL REMAIN ON 24 HOURS AND SHALL BE CONNECTED TO LOCAL CIRCUIT AHEAD OF CONTROL (UNLESS OTHERWISE NOTED).

6. LUMINAIRES SHOWN AS NL/EM OR EM/NL SHALL BE WIRED WITH EMERGENCY BATTERY AND SHALL REMAIN ON 24 HOURS CONNECTED TO LOCAL CIRCUIT AHEAD OF CONTROL (UNLESS OTHERWISE NOTED).

7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROL REQUIREMENTS TO MEET ASHRAE 2013 90.1 WITH SELECTED PRODUCT MANUFACTURE FOR ALL OCCUPANCY/VACANCY SENSORS, DIMMING CONTROLS AND DAYLIGHT SENSORS REQUIRED. MANUFACTURE TO PROVIDE DOCUMENTS FOR LAYOUT AND CONNECTIONS FOR CONTROLS USING A WIRED OR WIRELESS SYSTEM.

8. ELECTRICAL CONTRACTOR TO INCLUDE COST FOR FUNCTIONAL TESTING FOR LIGHTING CONTROLS AND SHALL BE PERFORMED BY A THIRD PARTY COMMISSIONING AGENT NOT RESPONSIBLE FOR THE DESIGN. VERIFY THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA PER ASHREA 2013 9.4.3 WHEN REQUIRED BY A.H.J.

9. ALL DISCREPANCIES WITH THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE AOR FOR CLARIFICATION PRIOR TO BIDS. IN OTHERWISE DOING SO, THE ELECTRICAL CONTRACTOR SHALL BE LIABLE FOR ANY REQUIRED REVISIONS.

ELECTRICAL LEGEND

OS	CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR
	DUPLEX RECEPTACLE MOUNTED 24" AFF.
	DUPLEX RECEPTACLE
$OS	LINE VOLTAGE SWITCH W/ INTEGRAL OCCUPANCY SENSOR
	SURFACE MOUNTED FIXTURE
	UNIVERSAL MOUNT EXIT SIGN W/ EMERGENCY LIGHTING AND EXTERIOR DISCHARGE
	POWER PANEL LRP-A
	WALL MOUNT LIGHT FIXTURE
	EMERGENCY WALL MOUNT LIGHT FIXTURE

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER
REGISTERED NO. 00910097
STATE OF INDIANA
ARCHITECT

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FREMONT, INDIANA

NO.	ISSUED	DATE
	CD SET FOR BIDDING	07-20-2026

PROJECT #	2025-020C
DRAWN BY	CHECKED BY
CDG	TCL

ELECTRICAL / MECHANICAL PLANS & NOTES

EM1.0

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GENERAL RISER NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE LOCAL UTILITY COMPANY AND SUBMIT REQUIRED INFORMATION FOR PERMANENT ELECTRICAL SERVICE WHEN REQUIRED PRIOR TO CONSTRUCTION. ALL UTILITY ARRANGEMENTS SHALL BE CONFIRMED BY THE LOCAL UTILITY PRIOR TO ORDERING EQUIPMENT. ALL UTILITY EQUIPMENT LOCATIONS SHOWN ON THIS DRAWING SHALL BE VERIFIED WITH THE LOCAL UTILITY PRIOR TO INSTALLATION.

2. ALL CONCRETE PADS REQUIRED SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND MEET ALL LOCAL UTILITY AND MUNICIPALITY REQUIREMENTS.

3. ALL ITEMS SHOWN AS HATCHED SHALL BE DISCONNECTED AND REMOVED BY THE ELECTRICAL CONTRACTOR. REMOVE ASSOCIATED WIRING, TERMINATIONS AND CONDUIT BACK TO THE SOURCE.

4. ALL WIRE SIZES INDICATED ON THIS DRAWING SHALL BE COPPER WITH TEMP RATING OF 75 DEGREES C. PER 2017 NEC TABLE 310.15(B)(16) UNLESS OTHERWISE NOTED.

5. PROVIDE AND INSTALL "ARC-FLASH" LABELS IN ACCORDANCE WITH NEC 110.16.

6. ALL DISCREPANCIES WITH THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION PRIOR TO BIDS. IN OTHERWISE DOING SO, THE ELECTRICAL CONTRACTOR SHALL BE LIABLE FOR ANY REQUIRED REVISIONS.

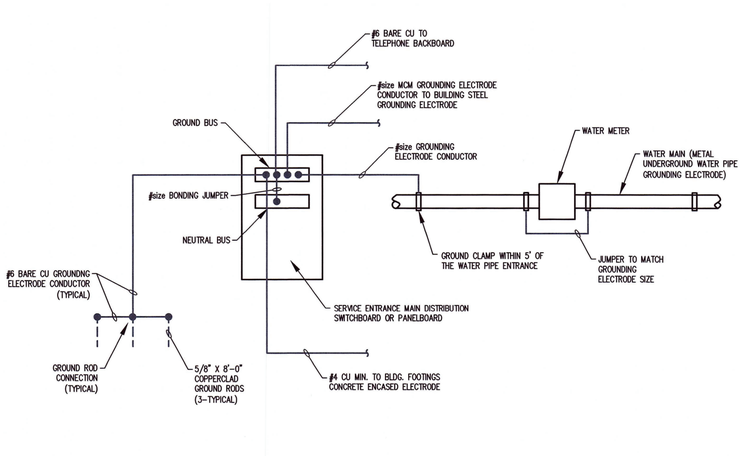
7. ALL ITEMS SHOWN ON PLAN ARE NEW UNLESS MARKED AS (E) FOR EXISTING OR (R) FOR RELOCATED.

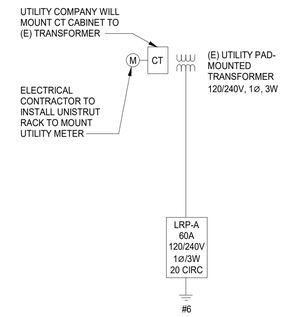
8. WHERE MAIN G.F.I. IS SHOWN FOR PROJECT, E.C. TO PROVIDE PROPER SETTINGS FOR MAIN G.F.I. RELAY TRIP SETTINGS AND TIME DELAY PERFORMED BY AN INDEPENDENT TESTING COMPANY INCLUDED IN E.C. CONTRACT. PROVIDE ACTUAL DOCUMENTATION AT THE COMPLETION OF THE PROJECT FROM THE INDEPENDENT TESTING COMPANY.

9. E.C. TO COORDINATE EXACT EQUIPMENTS OF ALL OTHER SYSTEMS (INCLUDING ELEVATORS AND HVAC EQUIPMENT) WITH MANUFACTURER AND OTHER TRADES PRIOR TO ROUGH-IN AND PURCHASE OF ANY ELECTRICAL EQUIPMENT ASSOCIATED WITH SYSTEM. ANY DISCREPANCIES WITH THIS PLAN AND MANUFACTURER REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO PURCHASE OR ELECTRICAL ROUGH-IN OF THIS EQUIPMENT.

LRP-A PANELBOARD SCHEDULE — VOLT MAIN BREAKER SIZE — AMP-60 — 120/240V — 1Ø / 2W

CKT NO	USEAGE	QTY	VA PHASE A	BRKR A/PLS	CKT NO	USEAGE	QTY	VA PHASE A	BRKR A/PLS
1	STORAGE OUTLETS	8	1440	20/1	2	STAIR LIGHTING	2	250	20/1
3	STORAGE LIGHTING	6	750	20/1	4	PRESS COUNTER OUTLETS	4	720	20/1
5	PRESS GEN. OUTLETS	3	540	20/1	6	PRESS LIGHTING	4	500	20/1
7	MINI SPLIT	1	220 VAC	DBL PULL	8	EXTERIOR OUTLETS	4	720	20/1
9	MINI SPLIT				10	EMERGENCY LIGHTING	2	250	20/1
11	EXTERIOR LIGHTING				12	SPARE			
13	SPARE				14	SPARE			
15	SPARE				16	SPARE			
						TOTAL RECEPTACLES		2.7 KVA	7.56 AMPS
						TOTAL LIGHTING		2.0 KVA	5.60 AMPS
						TOTAL MISC.		2.3 KVA	6.44 AMPS
						TOTAL CONNECTED		7.0 KVA	19.60 AMPS
						TOTAL DEMAND		6.5 KVA	18.23 AMPS





1 ELECTRICAL ONE-LINE DIAGRAM
1 1/2" = 1'-0"

CARMI design group inc
architecture+design
210 E. MAIN STREET, P.O. BOX 487
NILES, MICHIGAN 49120
P: 269.663.5073

TONY C. LEININGER REGISTERED NO. 00910097 STATE OF INDIANA ARCHITECT

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ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHEDULES

EM1.1

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