

POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX (RE-BID)

LIST OF UTILITIES AND EMERGENCY CONTACT INFORMATION	
FIRE DEPARTMENT:	EVESHAM FIRE- RESCUE CARL BITTENBENDER, FIRE CHIEF 26 EAST MAIN STREET EVESHAM, NJ 08053 (856)-797-2069
POLICE DEPARTMENT:	EVESHAM POLICE DEPARTMENT THOMAS REINHOLT, ACTING CHIEF OF POLICE 984 TUCKERTON ROAD MARLTON, NJ 08053 (856)-983-1111
PUBLIC WORKS:	EVESHAM TOWNSHIP PUBLIC WORKS DEPARTMENT DAVE PFEIFFER, ASSISTANT SUPERINTENDENT 100 SHARP ROAD MARLTON, NJ 08053 (856)-983-2798
WATER: SEWER:	EVESHAM TOWNSHIP MUA 100 SHARP ROAD MARLTON, NJ 08053 (856)-983-1878
ELECTRIC:	PSE&G 300 NEW ALBANY ROAD MOORESTOWN, NJ 08057 (609) 778-6860 J.H. THOMAS, ENGINEERING MANAGER
CABLE:	COMCAST 1250 HADDONFIELD-BERLIN ROAD CHERRY HILL, NJ 08034 (856)-354-1880
GAS:	PSE&G 300 CONNECTICUT DRIVE BURLINGTON, NJ 08016 (609) 530-9906 JOE MARTILLOTTI, AREA DISTRIBUTION MANAGER
TELEPHONE:	VERIZON, INC. 1490 PROSPECT STREET TRENTON, NJ 08638 (609) 530-9906 RONALD A. NATRIELLO, SENIOR R.O.W. AGENT



PROJECT LOCATION MAP

 $1'' = 50$

FUNDING SOURCE

CAPITAL



New Jersey One Call
CALL BEFORE YOU DIG
811 or 1-800-272-1000
IT'S THE LAW

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT NJ ONE CALL PRIOR TO THE START OF CONSTRUCTION. CALL FOR MARKOUTS THREE (3) FULL BUSINESS DAYS IN ADVANCE AND BEGIN EXCAVATION WITHIN 10 DAYS. ALL CONTRACTORS ON-SITE MUST HAVE THEIR OWN MARKOUT.

EVESHAM TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

SEPTEMBER, 2025

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EVESHAM TOWNSHIP TOWN COUNCIL
MAYOR JACLYN VEASY
DEPUTY MAYOR DR. KRYSTAL HUNTER
COUNCIL MEMBERS HEATHER COOPER JOSEPH FISICARO, JR. CHRISTIAN SMITH
TOWNSHIP CLERK REBECCA ANDREWS

RVE

1901

**REMINGTON
& VERNICK
ENGINEERS**

2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003

(856) 795-9595, FAX (856) 795-1882
WEB ADDRESS : RVE.COM

Certification of Authorization: 24 GA 289033300

Excellence • Innovation • Service

DATE:

TIMOTHY R. STASZEWSKI
NJ PROFESSIONAL ENGINEER LIC. No. 47542

DATE:

JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. No. 51487

PLANS WHICH DO NOT BEAR
AN EMBOSSED SEAL ARE NOT VALID.

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TITLE SHEET

**E-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

TOWNSHIP OF EVESHAM
BURLINGTON COUNTY
NEW JERSEY

<u>DRAWN BY :</u> CP	<u>DESIGN BY :</u> CP	<u>CHECKED BY :</u> JDH	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 03/2026		<u>SHEET No. :</u> C-001	
<u>JOB No. :</u> 0313T276			

NOTE: ALL SYMBOLS MAY NOT BE USED

<u>DRAWN BY :</u> CP	<u>DESIGN BY :</u> CP	<u>CHECKED BY :</u> JDH	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 03/2026		<u>SHEET No. :</u> C-010	
<u>JOB No. :</u> 0313T276			

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

2. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.

3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

4. ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.

5. ALL GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDDED.

6. ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED, IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.

- INCLUDING ALL APPLICABLE BASELINE DOCUMENT CHANGES AND APPENDICES. THESE DETAILS MAY BE PURCHASED THROUGH THE N.J.D.O.T. PLANS AND SPECIFICATION CENTER AT:

1035 PARKWAY AVENUE,

TRENTON, NEW JERSEY

08625-0600

(TELEPHONE: 1-609-530-2098)

9. ALL GRASS AND WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE BACKFILLED AS DIRECTED.

10. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION ALONG WITH THE 2010 STATE AID SUPPLEMENTAL SPECIFICATION AS MODIFIED SHALL GOVERN THIS PROJECT.

11. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY

12. CONTRACTOR SHALL RESTORE ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION (I.E. MAILBOXES, IRRIGATION SYSTEMS, LANDSCAPING, ETC.). ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING SITE.

13. ALL UTILITY WORK SHALL BE CONSTRUCTED TO ALLOW UNINTERRUPTED SERVICE TO ADJACENT PROPERTIES.

14. EXISTING WATER MAIN, SANITARY SEWER, GAS MAIN, STORM SEWER ALONG WITH ALL OTHER UTILITIES SHALL BE FULLY SUPPORTED AND MAINTAINED DURING INSTALLATION OF THE PROPOSED UTILITY WORK, SERVICES AND LATERALS.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PAVED CARTWAY FREE AND CLEAR OF SEDIMENT EACH DAY THE WORK PROGRESSES AND AS OFTEN AS NECESSARY TO KEEP A CLEAN BROOM SWEEP CONDITION AND OR AS DIRECTED BE THE ENGINEER.

16. THE ELEVATION OF THE EXISTING WATER MAIN AS DEPICTED ON THE DRAWINGS IS ASSUMED. CONTRACTOR SHALL CONFIRM ELEVATION OF EXISTING WATER MAIN AND LOCATION OF ALL SERVICE CONNECTION DURING CONSTRUCTION.

17. ALL CONNECTIONS TO THE EXISTING WATER MAIN SHALL BE REPLACED. THE INSTALLATION OF NEW SERVICE LATERALS SHALL INCLUDE ALL PIPING, CORPORATION STOP, CURB STOP, CURB BOX AND RECONNECTION OF EXISTING SERVICE.

18. ALL UTILITY CROSSINGS/OFFSETS SHALL INCLUDE COMPACTED STABILIZATION MATERIAL FOR FULL LENGTH OF CROSSING.

19. THE CONTRACTOR SHALL EXERCISE PARTICULAR CARE, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, IN MILLING AND CONSTRUCTION OF PAVEMENT TO PROVIDE POSITIVE FLOWING STORMWATER. ANY AREA WHERE WATER IS IMPOUNDED SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.

20. EXISTING SANITARY SEWER MAINS & LATERALS SHOWN MAY NOT BE ACCURATE DUE TO INCOMPLETE UTILITY INFORMATION. CONTRACTOR IS RESPONSIBLE FOR LOCATING, CLEANING, JETTING, AND VACUUMING ALL EXISTING SANITARY SEWER LINES INLET AND MANHOLE STRUCTURES. EXISTING CLEANOUTS AND SERVICE LATERALS SHALL BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER. CONTRACTOR SHALL PREPARE SUBMITTAL UPON PROPER FIELD LOCATION AND INVERT VERIFICATION SHOWING REVISED SEWER LAYOUT IF APPLICABLE.

21. THE COUNTY, CITY ENGINEER AND UTILITY MUST BE GIVEN 48 HOURS ADVANCE NOTICE OF SANITARY SEWER/WATER MAIN WORK AND THE REPRESENTATIVES MUST WITNESS THE WORK AND CONNECTION.

22. INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS AND CATCH BASINS SHOWN ON THE PLANS.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE PLANS AND SPECIFICATIONS.

1. IMPLEMENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
2. IMPLEMENT STANDARD MEASURE FOR CONSTRUCTION RELATED NOISE AND AIR QUALITY IMPACT CONTROLS.
3. BEST MANAGEMENT PRACTICE WILL BE UTILIZED DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING STORM WATER INLETS AND ENVIRONMENTALLY SENSITIVE AREAS.

1. IMPLEMENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
2. IMPLEMENT STANDARD MEASURE FOR CONSTRUCTION RELATED NOISE AND AIR QUALITY IMPACT CONTROLS.
3. BEST MANAGEMENT PRACTICE WILL BE UTILIZED DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING STORM WATER INLETS AND ENVIRONMENTALLY SENSITIVE AREAS.



**REMINGTON
& VERNICK
ENGINEERS**

2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003

Certification of Authorization: 24 GA 28003300

Excellence • Innovation • Service

DATE:

TIMOTHY R STASZEWSK

NJ PROFESSIONAL ENGINEER LIC. No. 4754

DATE:

JESSICA D. HAUBER

NJ PROFESSIONAL ENGINEER LIC. No. 5148

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

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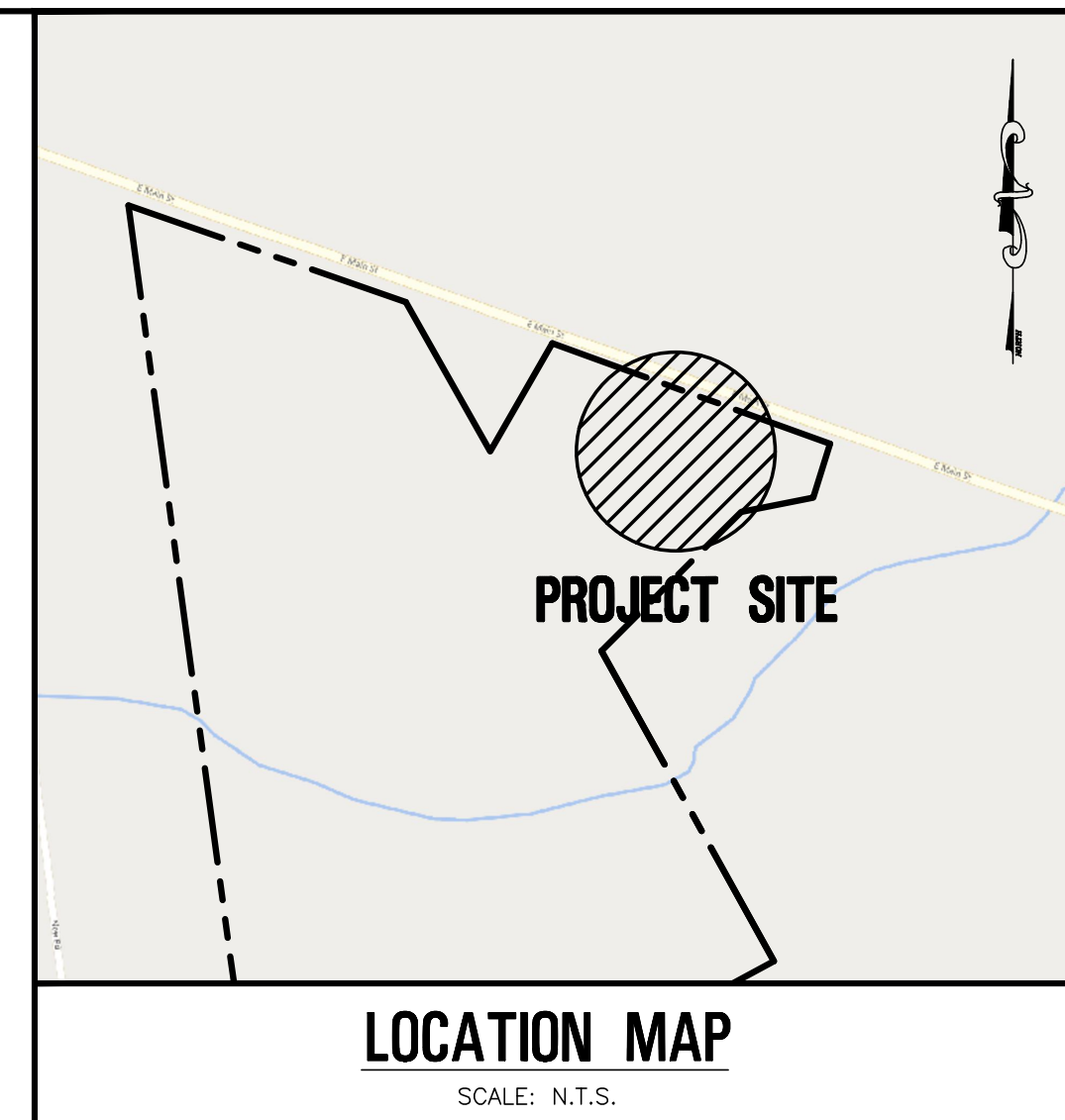
GENERAL NOTES

**EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

<u>DRAWN BY :</u> CP	<u>DESIGN BY :</u> CP	<u>CHECKED BY :</u> JDH	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 03/2026		<u>SHEET No. :</u> C-020	
<u>JOB No. :</u> 0313T276			



1. THE HORIZONTAL DATUM IS BASED ON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD-1983 / 2011 ADJ.) AND THE VERTICAL DATUM IS BASED ON NAVD-1988 / GEOID 2018 (ADD 1.18 FEET TO THESE ELEVATIONS TO CONVERT TO NGVD-1929 DATUM).
2. PROPERTY AND RIGHT-OF-WAY LINES SHOWN ON THESE PLANS ARE APPROXIMATE LOCATIONS BASED ON THE CURRENT TAX MAPS OF THE TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY. ADJOINING PROPERTY AND RIGHT-OF-WAY LINES ARE SHOWN FOR GRAPHICAL INFORMATION ONLY AND HAVE NOT BEEN FIELD VERIFIED.
3. EXISTING TOPOGRAPHIC CONDITIONS SHOWN ON THE PLAN ARE BASED ON AERIAL MAPPING PREPARED BY COOPER NOR EAST MAPPING, DATE OF FLIGHT FEBRUARY 12, 2022 AND WERE FIELD EDITED AND VERIFIED BY REMINGTON & VERNICK ENGINEERS UNDER THE SUPERVISION OF CHARLES E. ADAMSON, N.J.P.L.S. LICENSE NO. 42627. THE SURVEY WORK WAS COMPLETED ON MAY 29, 2025.
4. THIS PLAN AND SURVEY DOES NOT CERTIFY TO THE LOCATION, BOTH HORIZONTAL AND VERTICAL OF ANY UNDERGROUND UTILITY OR STRUCTURE THAT WAS NOT EXPOSED FOR DIRECT MEASUREMENT.



DATE: _____
TIMOTHY R. STASZEWSKI
NJ PROFESSIONAL ENGINEER LIC. No. 47542

DATE: _____
CHARLES E. ADAMSON
 NJ PROFESSIONAL LAND SURVEYOR LIC. No. 42627

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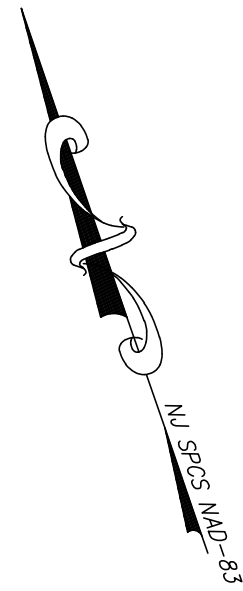
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EXISTING TOPOGRAPHIC CONDITIONS PLAN

EVESHAM TOWNSHIP PARKS AND RECREATION	
RE-BID - POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX	
TOWNSHIP OF EVESHAM	BURLINGTON COUNTY NEW JERSEY

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<u>DATE :</u> 03/2026		<u>SHEET No. :</u> C-101	
<u>JOB No. :</u> 0313T276			



TE: _____
ESSICA D. HAUBER
 PROFESSIONAL ENGINEER LIC. No. 5148

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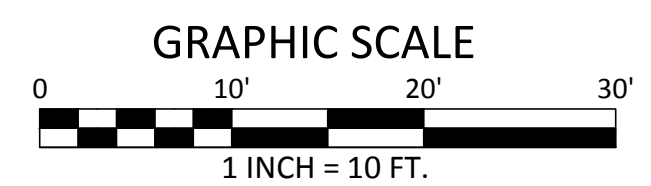
SITE DEMOLITION PLAN

EYESHAM TOWNSHIP PARKS AND RECREATION

RE-BID - POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX

TOWNSHIP OF EYESHAM, NEW JERSEY
BURLINGTON COUNTY

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<u>DATE:</u> 03/2026		<u>SHEET No.:</u> C-102	
<u>JOB No.:</u> 0313T276			





TE: _____
ESSICA D. HAUBER
 PROFESSIONAL ENGINEER LIC. No. 5148

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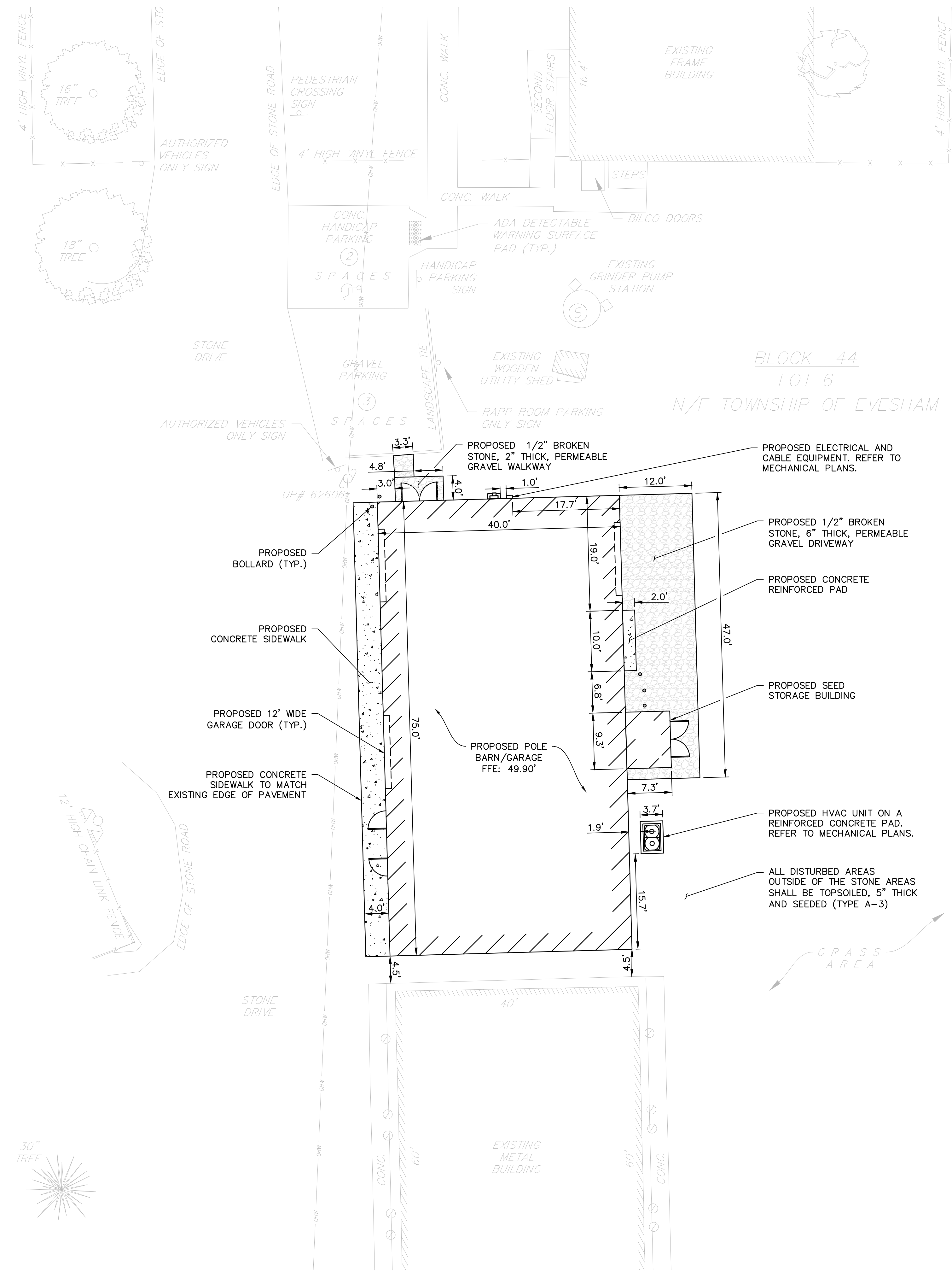
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SITE LAYOUT PLAN

**RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

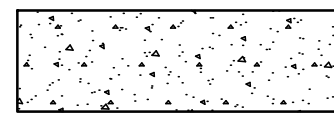
TOWNSHIP OF EVESHAM
BURLINGTON COUNTY
NEW JERSEY

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<u>JOB No. :</u> 0313T276			

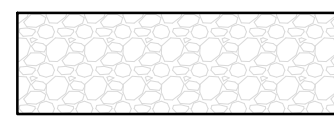


PROPOSED SURFACE LEGEND

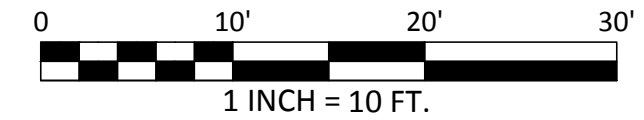
CONCRETE



GRAVEL



GRAPHIC SCALE





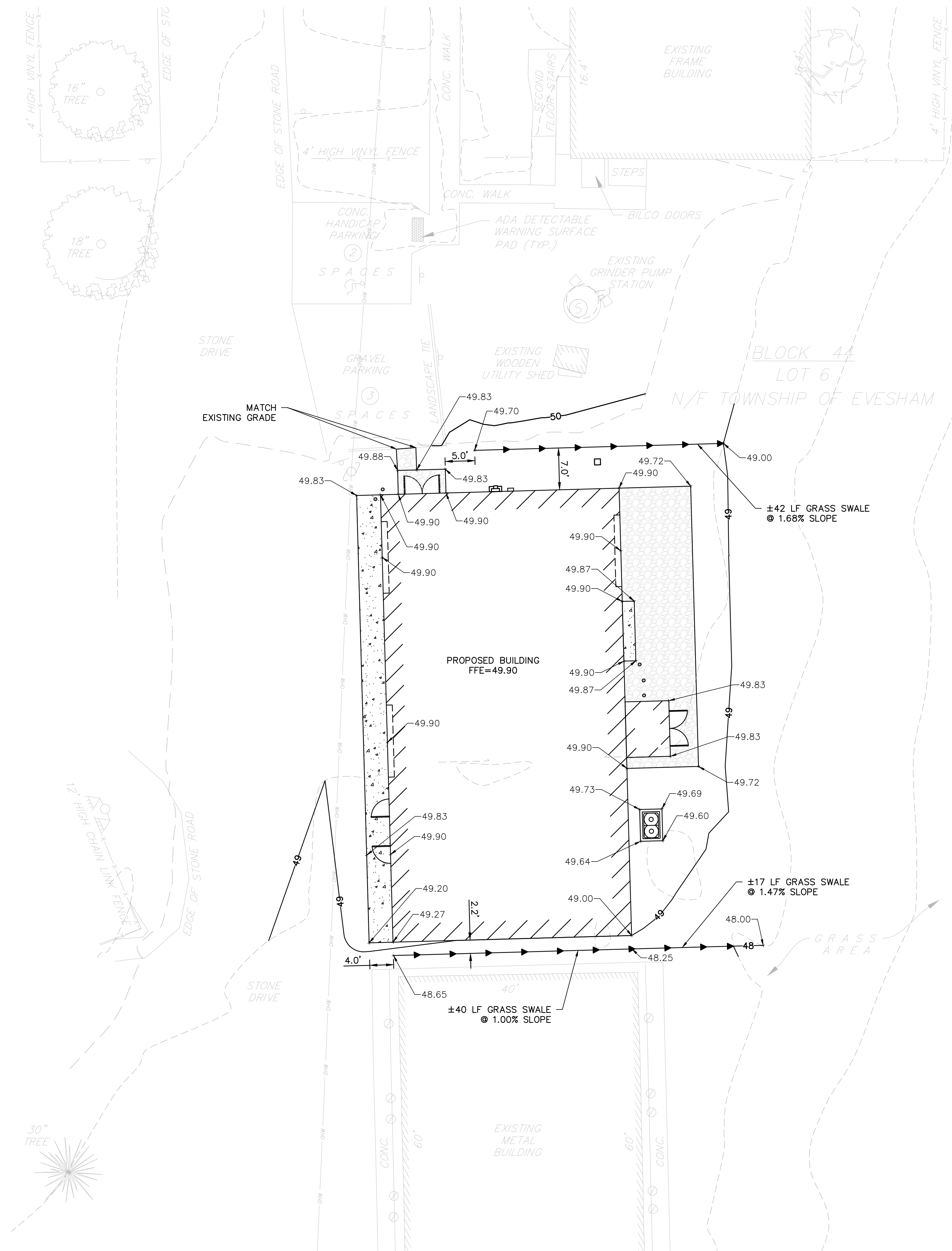
DATE: _____
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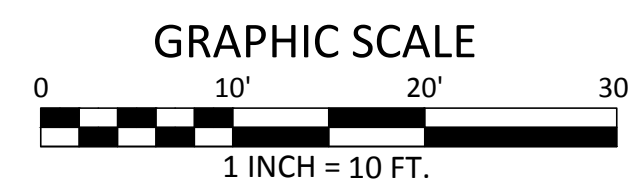
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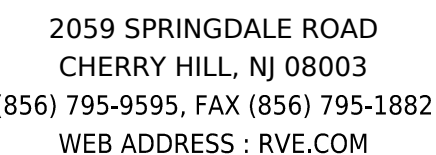
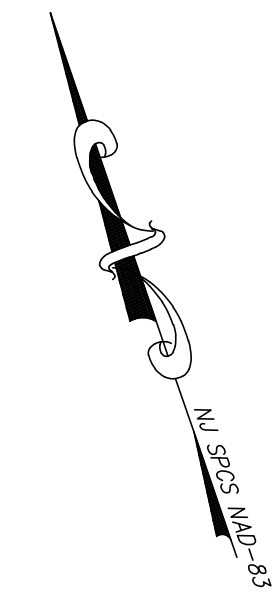
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<u>DATE :</u> 03/2026		<u>SHEET No. :</u> C-121	
<u>JOB No. :</u> 0313T276			



NOTES:

1. ALL EXTERIOR GROUND AREAS WITHIN THE AREA OF DISTURBANCE SHALL BE TOPSOILED (5" THICK) BY OTHERS UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR GROUND AREAS WITHIN THE AREA OF DISTURBANCE SHALL BE FERTILIZED AND SEEDED (TYPE A-3) BY OTHERS UNLESS OTHERWISE NOTED.





TIMOTHY R. STASZEWSKI
NJ PROFESSIONAL ENGINEER LIC. No. 4754

JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. No. 5148

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SHALL BE INDISTINGUISHABLY RESPONSIBLE FOR ALL
VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS,
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R E S U L T I N G T H E R E F R O M

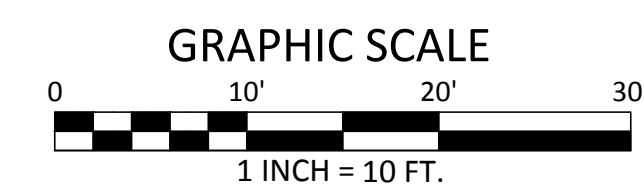
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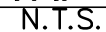
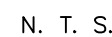
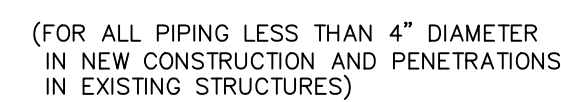
TOWNSHIP OF EVESHAM
BURLINGTON COUNTY
NEW JERSEY

<u>DRAWN BY:</u> CP	<u>DESIGN BY:</u> CP	<u>CHECKED BY:</u> JDH	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 03/20/2026		<u>SHEET No.:</u> C-131	
<u>JOB No.:</u> 0313T276			

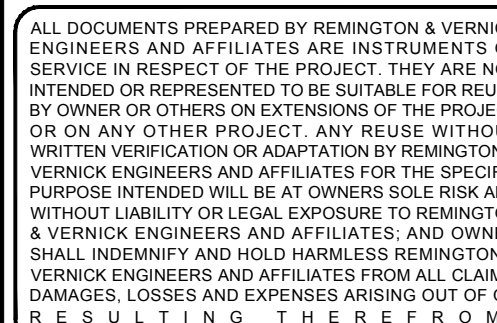
NOTES:

1. VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
2. ALL TRENCHES FOR PIPE INSTALLATION SHALL BE BACKFILLED DAILY.





NOTE: BEDDING MATERIAL (SAND OR GRAVEL)
TO BE SPREAD UNIFORMLY AND
COMPACTED UNDER PIPE TO PROPER
GRADIENT.



No.	REVISION	DATE	BY	CHK

TOWNSHIP OF EVESHAM
BURLINGTON COUNTY
NEW JERSEY

TABLE:
NOTED



DATE: _____
JESSICA D. HAUBER
NJ PROFESSIONAL ENGINEER LIC. No. 5148

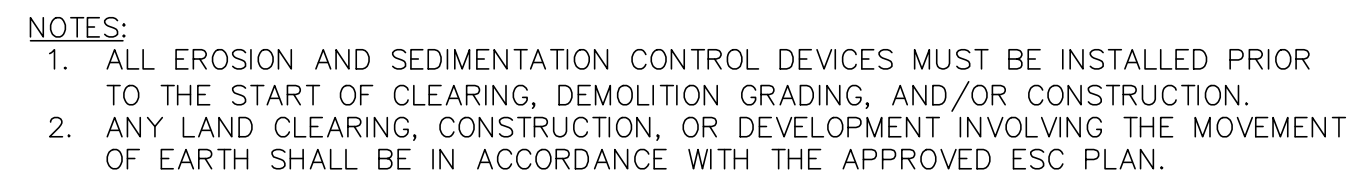
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[illegible]

**EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

TOWNSHIP OF EVERHAM
BRIDGINGTON COUNTY
NEW JERSEY

<u>DRAWN BY:</u> CP	<u>DESIGN BY:</u> CP	<u>CHECKED BY:</u> JDH	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 03/2026		<u>SHEET No.:</u> C-701	
<u>JOB No.:</u> 0313T276			

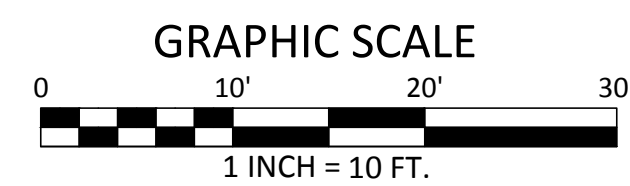


LIMIT OF DISTURBANCE (TYPICAL)

SILT FENCE (TYPICAL)

STABILIZED CONSTRUCTION ENTRANCE (TYPICAL)

TEMPORARY SOIL STOCKPILE WITH SILT FENCE

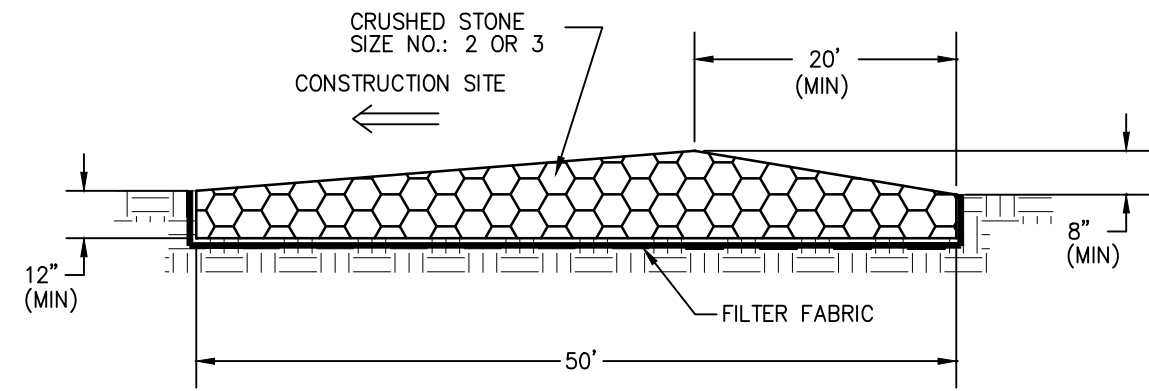


1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
3. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
4. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE STANDARDS. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE STANDARDS.
5. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH IN ACCORDANCE WITH THE STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.
6. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
7. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
8. STOCK PILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE. PROPOSED LOCATIONS MUST BE DELINEATED ON THE PLANS.
9. A CRUSHED STONE TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE RIP RAP PAD MUST BE 100 FEET IN LENGTH AND THE STONE MUST BE 1.5" - 4" IN SIZE, PLACED 12" THICK AND THE FULL WIDTH OF THE ENTRANCE. IT SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC FIBER FABRIC AND MAINTAINED. THE STRUCTURE MUST BE DELINEATED AND DETAILED ON THE PLANS.
10. IF A STONE CONSTRUCTION ACCESS IS TO BE USED AS AN EXIT ONTO A MAJOR HIGHWAY, A THIRTY (30) FOOT PAVED TRANSITION AREA SHALL BE INSTALLED.
11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 1/2" CRUSHED STONE OR SUB BASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
13. ALL CATCH BASIN INLETS WILL BE PROTECTED DURING CONSTRUCTION (FILTER DETAILS APPEAR ON PLAN).
14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
15. ALL DOWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTRATION DEVICE. THE SEDIMENT FILTER MUST BE PLACED SO AS NOT TO CAUSE EROSION OF THE DOWSTREAM AREA. FIELD PLACEMENT AND USE OF THE STRUCTURE MUST BE APPROVED BY THE DISTRICT EROSION CONTROL INSPECTOR PRIOR TO COMMENCEMENT OF DOWATERING ACTIVITIES.
16. THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE.
17. SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE MUST BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE BEFORE SEEDBED PREPARATION.
18. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES AT THE REQUEST OF THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT.
19. N.J.S.A. 4:24-39, ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
20. N.J.S.A. 4:24-39, ET SEQ. REQUIRES THAT UPON PERMANENT SITE STABILIZATION AND COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL APPLY TO THE SOIL CONSERVATION DISTRICT FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES.
21. OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE DISTRICT EROSION CONTROL INSPECTOR.
22. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
23. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ALL SUBSEQUENT OWNERS.
24. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING TOPSOIL, THE STOCKPILE SHALL BE SEEDDED WITH TEMPORARY VEGETATION. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE ESTABLISHMENT OF TEMPORARY SEED.
25. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1.
27. THE DISTRICT EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL MEASURES TO BE INSTALLED.
28. IMMEDIATELY PRIOR TO TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING. SEE DETAILS.
29. N.J.S.A. 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE COMPLETION OF A SOIL COMPACTION MITIGATION VERIFICATION FORM AND CONFIRMATION BY THE DISTRICT INSPECTOR THAT THE COMPACTION MITIGATION REQUIREMENTS IN THE STANDARD FOR LAND GRADING HAVE BEEN SUFFICIENTLY ADDRESSED.
30. THE RESPONSIBILITY FOR EROSION CONTROLS FOR INDIVIDUAL LOTS WILL TRANSFER TO SUBSEQUENT OWNERS OF THE LOT. THIS RESPONSIBILITY WILL BE DESCRIBED IN THE DEED, AND A SINGLE FAMILY HOME PLAN CONTAINING ALL NECESSARY EROSION CONTROLS WILL BE PROVIDED TO THE OWNER.
31. CONCRETE TRUCK WASHOUT AREAS WILL BE MAINTAINED ON A CONTINUAL BASIS AND AS NEEDED.
32. THE STORMWATER POLLUTION PREVENTION PLAN AND THE SPILL RESPONSE PLAN SHALL BE AVAILABLE ON SITE FOR REVIEW BY THE SCD INSPECTOR AND/OR THE NJDEP INSPECTOR.
33. THE SCD INSPECTOR OR NJDEP INSPECTOR MAY REQUIRE ADDITIONAL MEASURES FOR STORMWATER POLLUTION PREVENTION TO BE INSTALLED.
34. INSPECTIONS OF ALL STORMWATER POLLUTION PREVENTION PLAN MEASURES WILL BE CONDUCTED AND DOCUMENTED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
35. WASTE COLLECTION CONTAINERS WILL NOT BE PERMITTED TO OVERFLOW.
36. ANY SPILLS OF HAZARDOUS OR SANITARY WASTES WILL BE CLEANED UP IMMEDIATELY, AND IN ACCORDANCE WITH THE SPILL RESPONSE PLAN. SPILL KITS MUST BE AVAILABLE ONSITE OR ADJACENT TO THE SITE.
37. ANY HAZARDOUS SUBSTANCE RELEASES IN EXCESS OF REPORTABLE QUANTITIES (RQ) ESTABLISHED UNDER 40 C.F.R. 110, 117 AND 302 THAT OCCUR WITHIN A 24 HOUR PERIOD MUST BE REPORTED THE NATIONAL RESPONSE CENTER (800 424-8802).

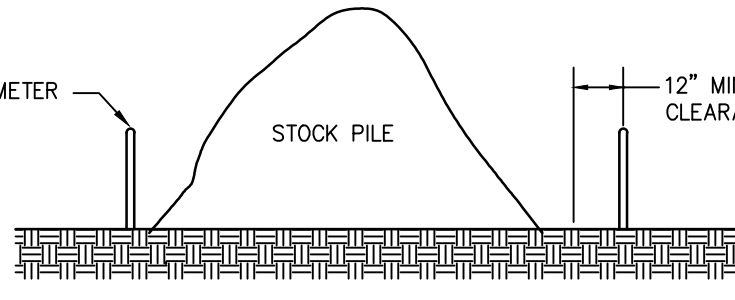
TEMPORARY STABILIZATION - ALL EXPOSED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 30 DAYS SHOULD BE TEMPORARILY STABILIZED.

PERMANENT STABILIZATION - ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHOULD BE SEEDED WITHIN 10 DAYS OF FINAL GRADING ACCORDING TO THE STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION.

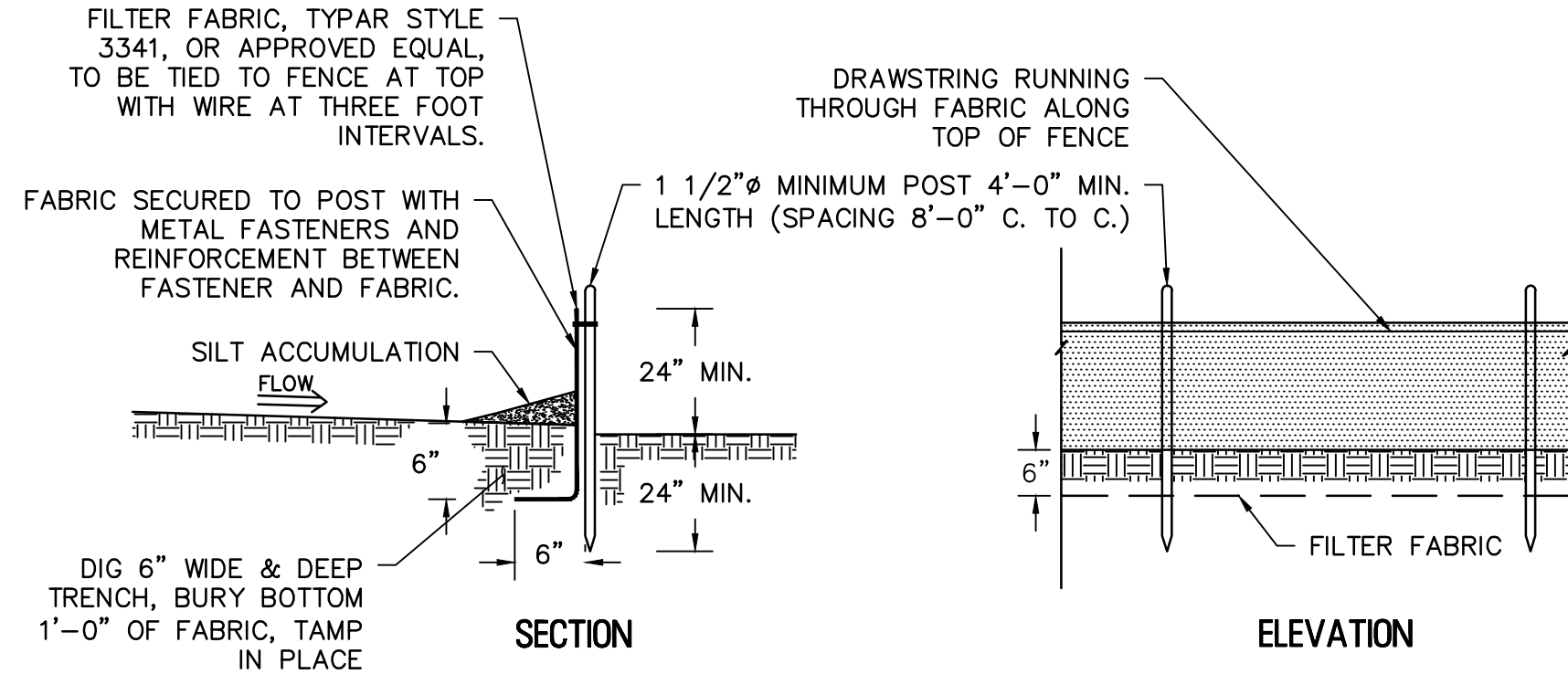
TOTAL AREA OF DISTURBANCE = ±7,293 SF (±0.167 ACRES)



STABILIZED CONSTRUCTION ENTRANCE
(SEE PLAN FOR WIDTH)
N.T.S.



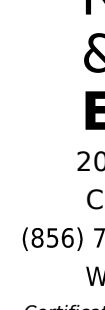
SOIL STOCKPILE DETAIL



SILT FENCE DETAIL
N.T.S.

THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARING THE SEEDBED, APPLYING NUTRIENTS, MULCH AND OTHER MANAGEMENT PRACTICES, ABILITY TO MAINTAIN PERMANENT VEGETATION, AND THE SEEDING RATE ARE ALL FACTORS THAT CAN AFFECT THE PERMANENCY OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN APPLICATION RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO REQUESTING A REPORT OF COMPLIANCE FROM THE DISTRICT. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER (OF THE SEEDED SPECIES) AND MOWED ONCE. THIS DESIGNATION OF MOWED ONCE DOES NOT GUARANTEE THE PERMANENCY OF THE TURF SHOULD OTHER MAINTENANCE FACTORS BE NEGLECTED OR OTHERWISE MISMANAGED.

	DURATION WEEKS
INSTALL STABILIZED CONSTRUCTION ENTRANCE. INSTALL SILT FENCE AT LIMITS OF DISTURBANCE. INSTALL INLET PROTECTION WHERE APPLICABLE.	1
CLEAR CONSTRUCTION AREAS. INSTALL STORMWATER SYSTEM COMPONENTS AND UTILITIES. INSTALL SEDIMENT PROTECTION AT INLETS IMMEDIATELY AFTER INSTALLATION.	2-3
CONSTRUCT BUILDING ADDITION	4-COMPLETION
INSTALL SIDEWALKS AND PAVEMENT BASE COURSES. STABILIZE ALL LAWN AREAS.	UPON BUILDING COMPLETION
INSTALL PAVEMENT SURFACE COURSE AND PAVEMENT MARKINGS.	UPON BUILDING COMPLETION
REMOVE SOIL EROSION CONTROLS.	UPON FULL SITE STABILIZATION

 REMINGTON & VERNICK ENGINEERS 2059 SPRINGDALE ROAD CHERRY HILL, NJ 08003 (856) 795-9595, FAX (856) 795-1882 WEB ADDRESS : RVE.COM <i>Certification of Authorization: 24 GA 28003300</i> <i>Excellence • Innovation • Service</i>													
DATE:													
TIMOTHY R. STASZEWSKI													
NJ PROFESSIONAL ENGINEER LIC. No. 47542													
DATE:													
JESSICA D. HAUBER													
NJ PROFESSIONAL ENGINEER LIC. No. 51487													
PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.													
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EVESHAM TOWNSHIP PARKS AND RECREATION RE-BID - POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX TOWNSHIP OF EVESHAM BURLINGTON COUNTY NEW JERSEY													
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DATE: 03/20/26		SHEET NO.: C-702											
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DESIGN CRITERIA

1. LIVE I

- A. FLOOR LOADING= 100 PSF
 - B. FUTURE SOLAR PANELS= 5 PSF
 - C. LOFT STORAGE= 125 PSF
 - D. ROOF LIVE LOADING= 20 PSF
2. DEAD LOAD:
- A. STRUCTURAL AND BUILDING COMPONENTS SELF WEIGHT
3. WIND LOADING PER IBC 2021 – NEW JERSEY EDITION:
- A. BASIC WIND VELOCITY (V): 127 MPH
- B. EXPOSURE CATEGORY: B
- C. RISK CATEGORY: II
4. SEISMIC LOADING PER IBC 2021 – NEW JERSEY EDITION:
- A. RESPONSE ACCELERATOR:
- $S_s = 0.174$ $S_{ps} = 0.186$
- $S_1 = 0.046$ $S_{p1} = 0.074$
- B. SEISMIC DESIGN CATEGORY: B
- C. SEISMIC SITE CLASSIFICATION: D
- D. IMPORTANCE FACTOR I_e : 1.0
5. SNOW LOADING PER IBC 2021 – NEW JERSEY EDITION:
- A. GROUND SNOW LOAD: 25 PSF
- B. IMPORTANCE FACTOR: 1.25

FOUNDATIONS

3. ALL EXISTING FILL MATERIALS, CONSISTING OF GRAVEL, BRICK FRAGMENTS, CONCRETE CHIPS, WOOD CHIPS, AND DEMOLITION DEBRIS SHALL BE REMOVED IN THE REGIONS OF ALL FOUNDATIONS.
4. THE SLAB ON GRADE SHALL REST ON A MINIMUM OF 6 INCHES OF COMPACTED GRANULAR FILL.
5. PROOF ROLL SLAB SUBGRADE UNDER THE DIRECTION OF THE INSPECTION AGENCY. REMOVE ALL UNSUITABLE AREAS AND REPLACE WITH COMPACTED STRUCTURAL FILL MATERIALS. COMPACT FILL TO AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE ASTM D 1557 MODIFIED PROCTOR TEST.
6. SHALLOW FOUNDATIONS SHALL BE FOOTINGS TO BEAR ON UNDISTURBED SOIL, HAVING A MINIMUM SAFE BEARING CAPACITY OF **1.5 KSF**. THE TESTING AND INSPECTION AGENCY SHALL VERIFY SOIL BEARING CAPACITY AT EACH WALL FOOTING PRIOR TO INSTALLATION OF FOOTING. NOTIFY ENGINEER OF ANY VARIATION FROM ANTICIPATED BEARING CAPACITY FOR APPROPRIATE REDESIGN OF FOOTING.
7. THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE **3'-0"** MINIMUM BELOW FINISHED GRADE.
8. EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT FOOTING OR EXCAVATION.
9. ALL ADJACENT COLUMN FOOTINGS THAT ABUT SHALL BE SEPARATED BY A PAPER JOINT.
10. BACKFILLING AGAINST WALLS SHALL NOT BE DONE UNTIL CONCRETE HAS BEEN CURED TO ATTAIN SUFFICIENT STRENGTH (7 DAYS MINIMUM) AND WALLS ARE PROPERLY SHORED AND/OR BRACED. BACKFILL FOUNDATION WALLS WITH EARTH ON BOTH SIDES OF THE WALL BY ALTERNATELY PLACING BACKFILL ON EACH SIDE SO THAT HEIGHT OF BACKFILL DOES NOT DIFFER BY MORE THAN 1'-6" FROM OTHER SIDE.
11. THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS AND ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER.
12. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER.
13. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS OF TRENCHES, PITS, CONDUITS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

FOUNDATION CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT STRUCTURAL CONCRETE HAVING A DESIGN COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
 - A. FOOTINGS 4,000 PSI
 - B. WALLS AND PIERS 4,000 PSI
 - C. SLAB-ON-GRADE 4,000 PSI
2. NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE NOTED ABOVE AND HAVE BEEN APPROVED BY THE ENGINEER.
3. REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A 615, GRADE 60. LAP BARS 40 DIAMETER UNLESS OTHERWISE SHOWN. ALL HOOKS SHALL BE STANDARD HOOKS, UNLESS OTHERWISE NOTED.
4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
5. ALL MESH SHALL BE SPLICED SO THAT THE OVERLAP OF THE OUTERMOST CROSS WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES PLUS 2 INCHES UNLESS NOTED OTHERWISE.
6. FOR ALL SLABS ON GRADE WHERE NOT OTHERWISE SPECIFIED, USE 6x6-W2.9xW2.9 W.W.F.
7. MINIMUM STEEL PROTECTION, UNLESS OTHERWISE SHOWN, SHALL BE 1-INCH FOR INTERIOR FACE OF WALLS, 2 INCHES FOR EXTERIOR FACE OF WALLS, 3 INCHES FOR FOOTINGS AND OTHER STRUCTURAL CONCRETE DEPOSITED AGAINST GROUND, 2 INCHES FOR CONCRETE PERMANENTLY EXPOSED TO EARTH OR WEATHER.
8. ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS, SUCH AS DAY'S POUR JOINTS, SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE. CONTRACTOR SHALL SUBMIT DRAWING INDICATING CONSTRUCTION JOINT LOCATIONS FOR APPROVAL.
9. NO CONCRETE SHALL BE PLACED IN WATER.
10. ALL SLABS ON GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS SHOWN OR AS REQUIRED BY VARIOUS TRADES.
11. REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR CONCRETE FINISHES.
12. FOR ADDITIONAL CONCRETE WORK NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION:
 - A. STRUCTURAL STEEL SHAPES ASTM A992 HAVING A MINIMUM YIELD STRENGTH OF 50 KSI.
 - B. MISC SHAPES, BARS, AND PLATES – A 36 HAVING A MINIMUM YIELD STRENGTH OF 36 KSI.
 - C. ROUND PIPE – A 53, GRADE B HAVING A MINIMUM YIELD STRENGTH OF 35 KSI.
 - D. SQUARE AND RECTANGULAR TUBING – A 500, GRADE B HAVING A MINIMUM YIELD STRENGTH OF 46 KSI.
2. BOLTS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS: HIGH STRENGTH BOLTS–A 325 OR A 490; ANCHOR BOLTS–F1554; STANDARD FASTENERS–A 307.
3. ALL WELDING ELECTRODES SHALL CONFORM TO THE E-70 SERIES OF THE SPECIFICATION FOR MILD STEEL ARC WELDING ELECTRODES ASTM A 233.
4. ALL BOLTS SHALL BE 3/4-INCH DIAMETER, OPEN HOLES 13/16-INCH DIAMETER, UNLESS OTHERWISE SHOWN OR NOTED.
5. ALL SHOP CONNECTIONS MAY BE HIGH STRENGTH BOLTED OR WELDED.
6. ALL FIELD CONNECTIONS MAY BE HIGH STRENGTH BOLTED EXCEPT WHERE DETAILS INDICATE WELDING.
7. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS.
8. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE FULLY PRE-TENSIONED UNLESS NOTED OTHERWISE.
9. ALL HIGH STRENGTH BOLTED IN OVERSIZED HOLES SHALL BE SLIP CRITICAL.
10. ALL HIGH STRENGTH BOLTED CONNECTIONS USED FOR KICKERS AND BRACING MEMBERS WHICH ARE FABRICATED WITH SLOTTED HOLES SHALL USE SLIP-CRITICAL BOLTS. IF STANDARD HOLES ARE USED, BOLTS SHALL BE FULLY PRE-TENSIONED.
11. NO PENETRATIONS ARE PERMITTED THROUGH STRUCTURAL STEEL MEMBERS UNLESS INDICATED ON STRUCTURAL DRAWINGS OR APPROVED BY ENGINEER.
12. APPROVAL OF THE ENGINEER SHALL BE MANDATORY FOR THE USE OF CUTTING TORCH IN THE FIELD.
13. DURING ERECTION, STRUCTURAL STEEL FRAME SHALL BE ADEQUATELY BRACED IN ALL LINES, TWO WAYS.
14. CONNECTIONS SHALL BE DESIGNED PER AISC TO CARRY FULL CAPACITY OF UNIFORMLY LOADED MEMBER, UNLESS NOTED OTHERWISE. REACTIONS GREATER THAN FULL MEMBER CAPACITY ARE INDICATED THUS (60K) ON PLAN.
15. ALL GROUT UNDER STEEL PLATES SHALL BE NON-SHRINK "PRE-MIX" TYPE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI.
16. FOR ALL MISCELLANEOUS STEEL CONSTRUCTION NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
17. EXPANSION BOLTS SHALL BE 3/4-INCH DIAMETER KWIK BOLT ANCHORS AS MANUFACTURED BY HILTI OR APPROVED EQUIVALENT AS APPROVED BY THE ENGINEER, AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
18. ALL STEEL COLUMN BASE PLATES SHALL INCLUDE LEVELING PLATES AS REQUIRED FOR CONSTRUCTION.
19. ALL EXPOSED / EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

LIGHT GAGE METAL FRAMING

1. ALL GALVANIZED MATERIAL SHALL CONFORM TO THE FOLLOWING:
 - A. STUDS AND JOISTS OF 12, 14, AND 16 GAGE: ASTM A 446, GRADE D, FY=50,000 PSI MINIMUM
 - B. STUDS AND JOISTS OF 18 AND 20 GAGE, TRACKS, BRIDGING, AND ACCESSORIES: ASTM 446, GRADE A, FY=33,000 PSI MINIMUM.
2. ALL GALVANIZED MATERIAL SHALL BE FORMED FROM STEEL HAVING A MINIMUM G-60 GALVANIZED COATING CONFORMING TO ASTM A 525.

PRE-ENGINEERED BUILDING

1. PRE-ENGINEERED BUILDING SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS AND DETAILED IN THE SPECIFICATIONS.
2. THE PRE-ENGINEERED BUILDING SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
3. BUILDING DESIGN SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, PLUMBING, AND MISCELLANEOUS LOADING.
4. BUILDING DESIGN SHALL ALSO INCLUDE ALL ADDITIONAL LOADS FROM FLOORS AND ADJACENT STRUCTURE AS SHOWN ON THE PLANS.
5. RIDGE VENTS SHALL BE COORDINATED WITH THE PRE-FABRICATED BUILDING MANUFACTURER.
6. NECESSARY CURB DETAILS AND EAVE DETAIL SHALL BE COORDINATED BY THE CONTRACTOR WITH THE PRE-FABRICATED BUILDING MANUFACTURER.
7. CONTRACTOR SHALL COORDINATE ALL OPENINGS WITH MEP DRAWINGS, INCLUDING BUT NOT LIMITED TO LOUVERS, FANS, AND ROOF PENETRATIONS.
8. ALL PRE-FABRICATED METAL BUILDINGS SHALL HAVE SNOW GUARDS FURNISHED AND INSTALLED BY THE CONTRACTOR.

WOOD FRAMING

1. PROVIDE ALL WOOD FRAMING MATERIALS AS SHOWN ON THE PLANS FOR COMPLETE CONSTRUCTION.
2. PROVIDE ALL MISCELLANEOUS WOOD FRAMING AND/OR BRACING AS REQUIRED FOR SUPPORT OF MECHANICAL, ELECTRICAL, PLUMBING OR MISCELLANEOUS APPURTENANCES.
3. ALL WOOD SHALL BE MINIMUM OF GRADE NO. 2 OR BETTER UNLESS OTHERWISE SHOWN.
4. ALL ROOF SHEATHING SHALL BE INSTALLED WITH PANEL CLIPS.
5. PRE-MANUFACTURED WOOD ROOF TRUSSES SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS TO MEET REQUIRED OPENINGS FOR MISCELLANEOUS EQUIPMENT. TRUSS MANUFACTURER SHALL SUBMIT DESIGN DRAWINGS AND CALCULATIONS THAT COMPLY WITH REQUIRED DESIGN STANDARDS FOR APPROVAL PRIOR TO CONSTRUCTION PLANS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY LICENSED NEW JERSEY PROFESSIONAL ENGINEER.

DEMOLITION NOTES

1. REMOVE EXISTING CONSTRUCTION AS SHOWN ON PLANS. SEE SECTIONS AND DETAILS FOR EXTENT OF STRUCTURE TO BE REMOVED.
2. EXISTING STRUCTURAL STEEL FRAMING SHALL REMAIN UNLESS SPECIFICALLY NOTED ON PLAN TO BE REMOVED.
3. CONCRETE ENCASEMENT AROUND REMAINING STEEL WILL REMAIN, UNLESS NOTED OTHERWISE.
4. IF FIELD CONDITIONS DIFFER FROM THOSE SHOWN ON DRAWINGS, NOTIFY ENGINEER BEFORE PROCEEDING WITH DEMOLITION.

EXISTING CONSTRUCTION

1. ALL DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS ARE OBTAINED FROM AVAILABLE SOURCES AND ARE NOT GUARANTEED TO BE TRUE AND EXACT. THE CONTRACTOR SHALL VERIFY THESE DIMENSIONS AND ELEVATIONS BY ACTUAL FIELD MEASUREMENTS PRIOR TO FABRICATION OF ANY MATERIALS AND START OF WORK AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE ENGINEER.

MISCELLANEOUS

1. CONTRACTOR SHALL VERIFY CONDITIONS IN THE FIELD AND IMMEDIATELY NOTIFY ENGINEER OF ANY CONDITIONS NOT AS ASSUMED; HE SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR SAME.
2. CONTRACTOR SHALL COORDINATE WITH ALL RELATED TRADES FOR DETAILING, FABRICATION, AND ERECTION PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.
3. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC. REQUIREMENTS. DISCREPANCIES AND/OR INTERFERENCE SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. GENERAL CONTRACTOR TO PROVIDE APPROPRIATE NUMBER OF COPIES OF ONE COMPLETE COORDINATED DRAWING SHOWING ALL SLEEVES, CONDUIT BOXOUT, DUCT OPENINGS, ETC. AS REQUIRED FOR ALL TRADES FOR ENGINEER'S APPROVAL. THIS SHALL BE DONE A MINIMUM OF TWO WEEKS PRIOR TO POURING AFFECTED SLABS, COLUMNS, OR FOOTINGS.
5. NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS OR OTHER APPROVAL FROM THE ENGINEER.
6. SUPPORT DETAILS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT IS BASED UPON AVAILABLE INFORMATION OF MANUFACTURER. CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ACTUAL EQUIPMENT AND SHALL PROVIDE ANY ADDITIONAL REQUIRED FRAMING.

ABBREVIATIONS	
E.F.	EACH FACE
WF1	WALL FOOTING
CMU	CONCRETE MASONRY UNIT
V.I.F.	VERIFY IN THE FIELD
O.C.	ON CENTER
E.W.	EACH WAY
T&B	TOP & BOTTOM
AL	ALUMINUM
CS	CARBON STEEL
SS	STAINLESS STEEL
CL	CENTER LINE
GALV.	GALVANIZED
T.O.M.	TOP OF MASONRY

STRUCTURAL DRAWING LIST	
DRAWING #	DRAWING TITLE
S-1	STRUCTURAL COVER SHEET
S-2	FOUNDATION / TOP SLAB FLOOR PLANS
S-3	FLOOR / CEILING TRUSS FLOOR PLANS
S-4	EXTERIOR BUILDING ELEVATIONS
S-5	STRUCTURAL SECTIONS & DETAILS
S-6	STRUCTURAL SECTIONS & DETAILS

SPECIAL INSPECTION AND TESTS	
1	SPECIAL INSPECTIONS WILL BE CONDUCTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2021 NEW JERSEY EDITION, BY THE ENGINEER, INCLUDING BUT NOT LIMITED TO FOLLOWING BUILDING CONSTRUCTION AND OPERATIONS. CONTRACTOR SHALL COORDINATE WITH AND PROVIDE ACCESS FOR THE ENGINEER TO CONDUCT THE INSPECTION. – IBC CHAPTER 17
B	CONCRETE CONSTRUCTION – IBC 1705.3, 1705.3.1, 1705.3.2
C	MASONRY CONSTRUCTION – IBC 1705.4, 1705.4.1
D	WOOD CONSTRUCTION – IBC 1705.5, 1705.5.1
E	SOILS – IBC 1705.6
F	WIND RESISTANCE – IBC 1705.12, 1705.12.2, 1705.12.3

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DATE:												
TIMOTHY R. STASZEWSKI NJ PROFESSIONAL ENGINEER LIC. No. 47542												
DATE:												
JACQUELINE D. TROVATO NJ PROFESSIONAL ENGINEER LIC. No. 51944												
PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID												
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												BY CHK
												DATE
												REVISION
											No.	
STRUCTURAL COVER SHEET EVESHAM TOWNSHIP PARKS AND RECREATION RE-BID - POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX NEW JERSEY BURLINGTON COUNTY TOWNSHIP OF EVESHAM												
DRAWN BY: JG	DESIGNED BY: CG	CHECKED BY: CK	SCALE: AS NOTED									
DATE: 9-2025 (JOB NO.) 03137276		SHEET No.: S-1										



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DATE _____

TIMOTHY D. STASZEWSKI

NJ PROFESSIONAL ENGINEER LIC. No. 4754

DATE _____

JACQUELINE D. TROVATO

NJ PROFESSIONAL ENGINEER LIC. No. 5194

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FOUNDATION / TOP SLAB
FLOOR PLANS

EVESHAM TOWNSHIP PARKS AND RECREATION

PRE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX

TOWNSHIP OF EVESHAM
BURLINGTON COUNTY
NEW JERSEY

<u>DRAWN BY:</u> JG	<u>DESIGN BY:</u> CG	<u>CHECKED BY:</u> CK	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 9-2025		<u>SHEET No.:</u> S-2	
<u>JOB No.:</u> 0313T276			



THE POLE BUILDING CONTRACTOR SHALL SUPPLY THE REQUIRED DESIGN INFORMATION THAT IS NOT PROVIDED BY THE PLANS, INCLUDING INFORMATION PERTAINING TO THE SIZES AND LOCATIONS OF TIMBER COLUMNS AND FRAMING, BRACING AND CONNECTIONS, AS WELL AS ANY OTHER INFORMATION REQUIRED BY THE ENGINEER, PRIOR TO START OF CONSTRUCTION. NO WORK SHALL PROCEED UNTIL THE ENGINEER HAS APPROVED THESE SUBMITTALS, AND NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.



LEGEND

EXPANSION JOINT= F.

CONTROL JOINT= CT.

SLAB ON GRADE SCHEDULE

SLAB-1

6" THICK S.O.G. 6X6-W1.7XW1.7
10 MIL VAPOR BARRIER AND 6"
COMPACTED



ACQUELINE D. TROVATO
PROFESSIONAL ENGINEER LIC. No. 5194

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX

<u>DRAWN BY :</u> JG	<u>DESIGN BY :</u> CG	<u>CHECKED BY :</u> CK	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 9-2025 <u>JOB No. :</u> 0313T276		<u>SHEET No. :</u> S-3	



GENERAL NOTES:

CEILING FRAMING PLAN
SCALE: 3/16"=1'

DECKING
D-1
5/8" PLYWOOD DECKING



ACQUELINE D. TROVATO
PROFESSIONAL ENGINEER LIC. No. 51944

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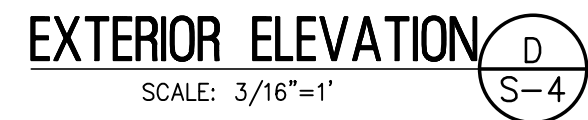
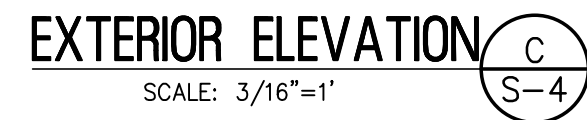
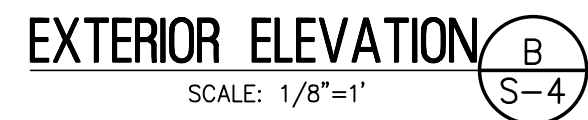
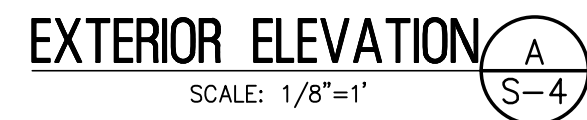
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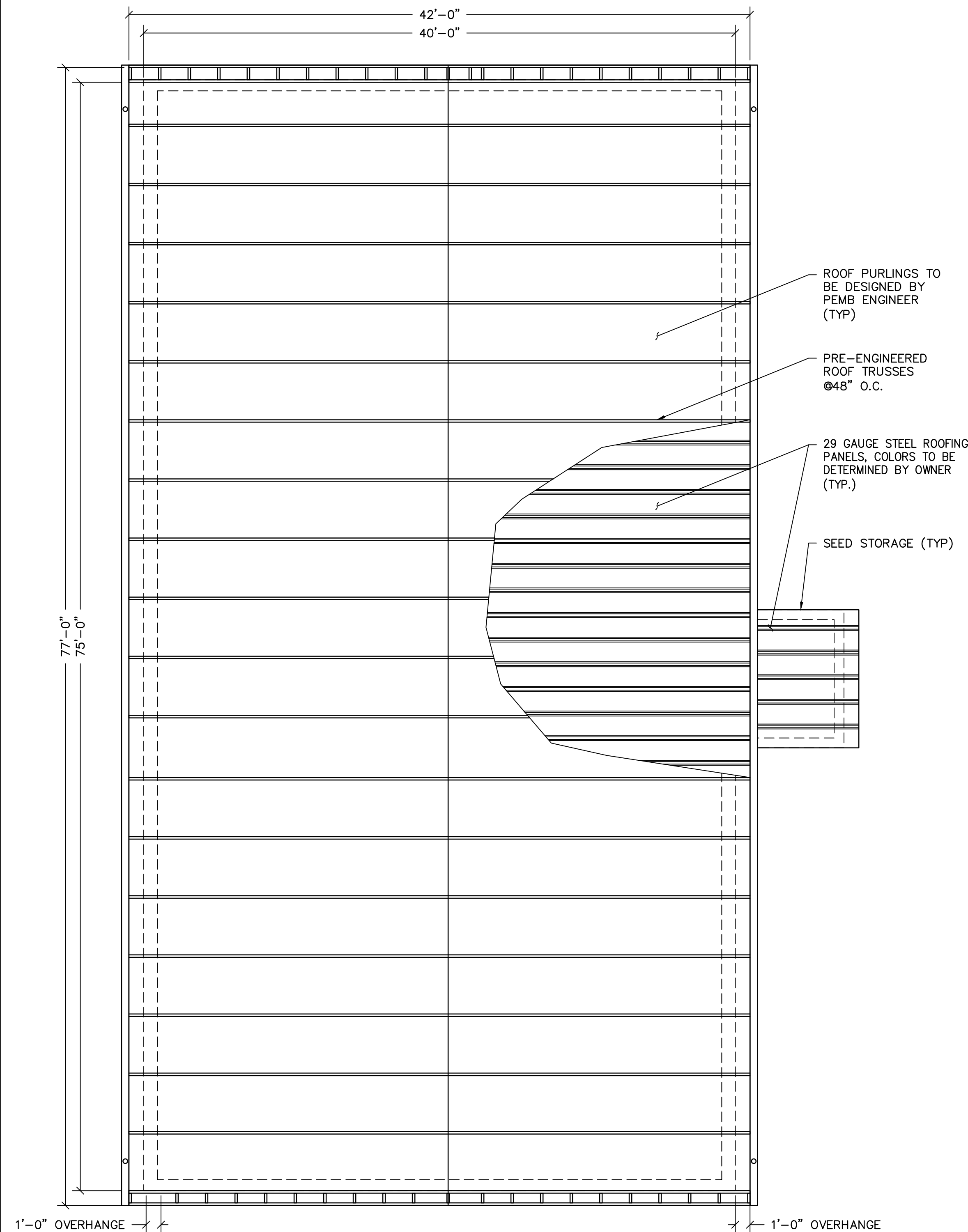
EVESHAM TOWNSHIP PARKS AND RECREATION

RE-BID - POLE BARN GARAGE IMPROVEMENTS

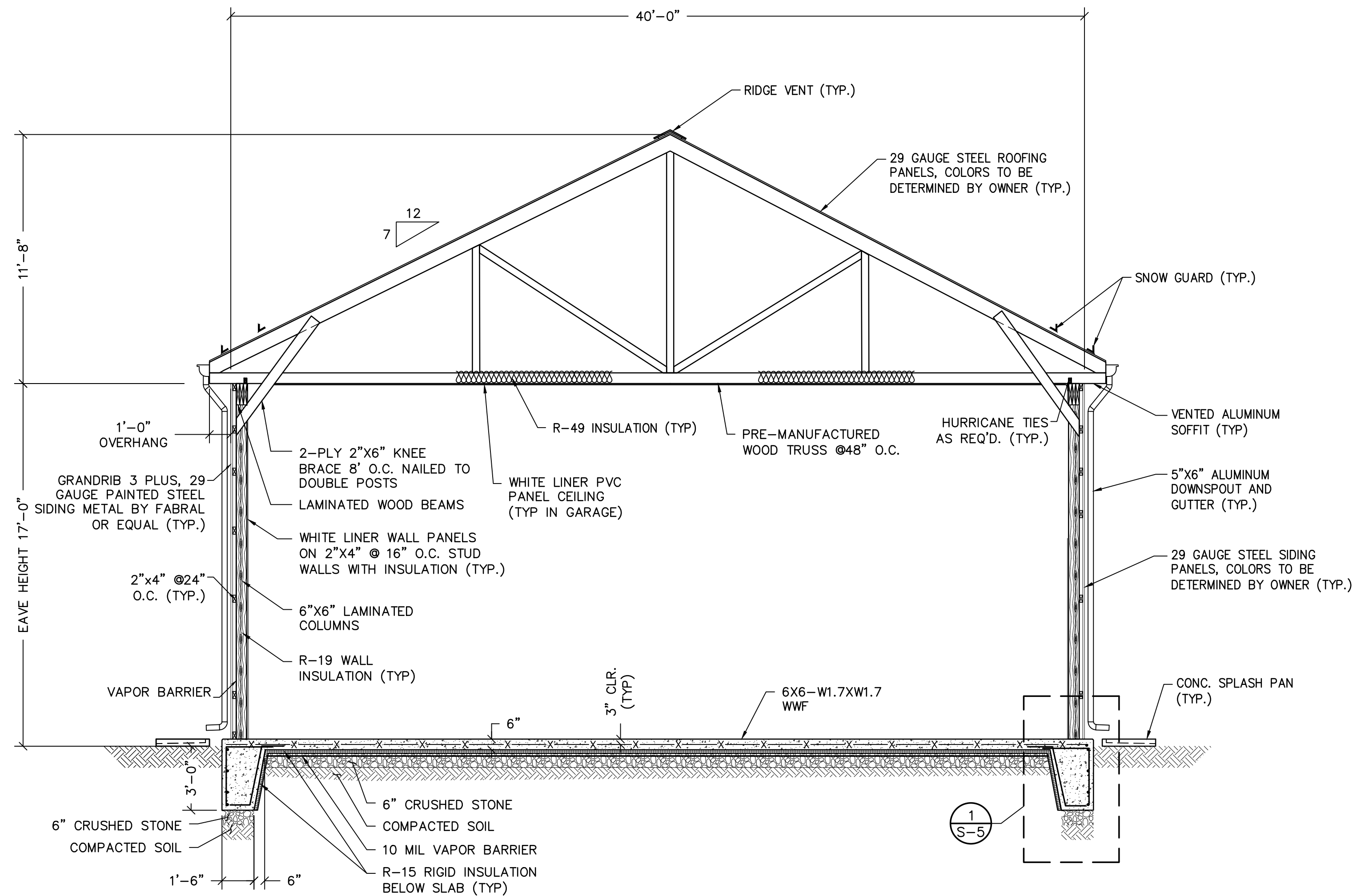
AT MEMORIAL SPORTS COMPLEX

<u>RAWN BY:</u> JG	<u>DESIGN BY:</u> CG	<u>CHECKED BY:</u> CK	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 9-2025		<u>SHEET No.:</u> S-4	
<u>JOB No.:</u> 0313T276			



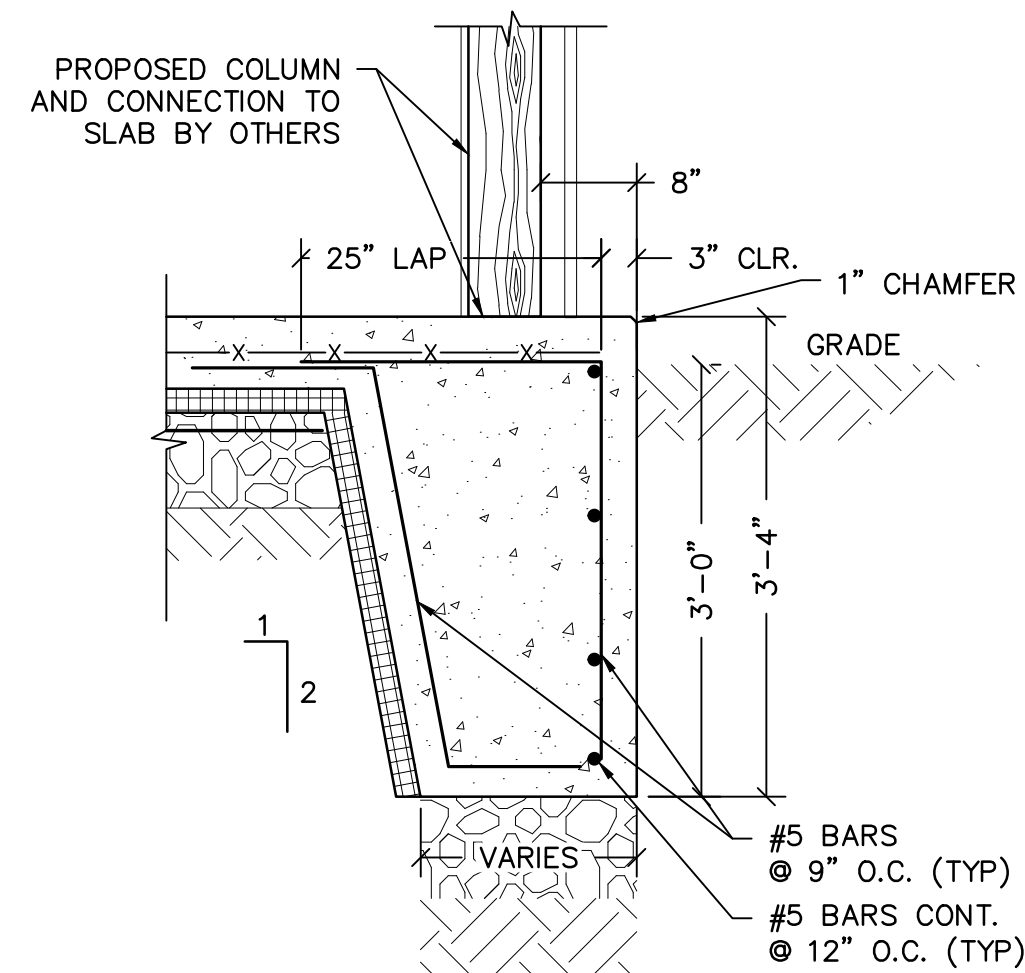


ROOF FRAMING PLAN
SCALE: 3/16"=1'

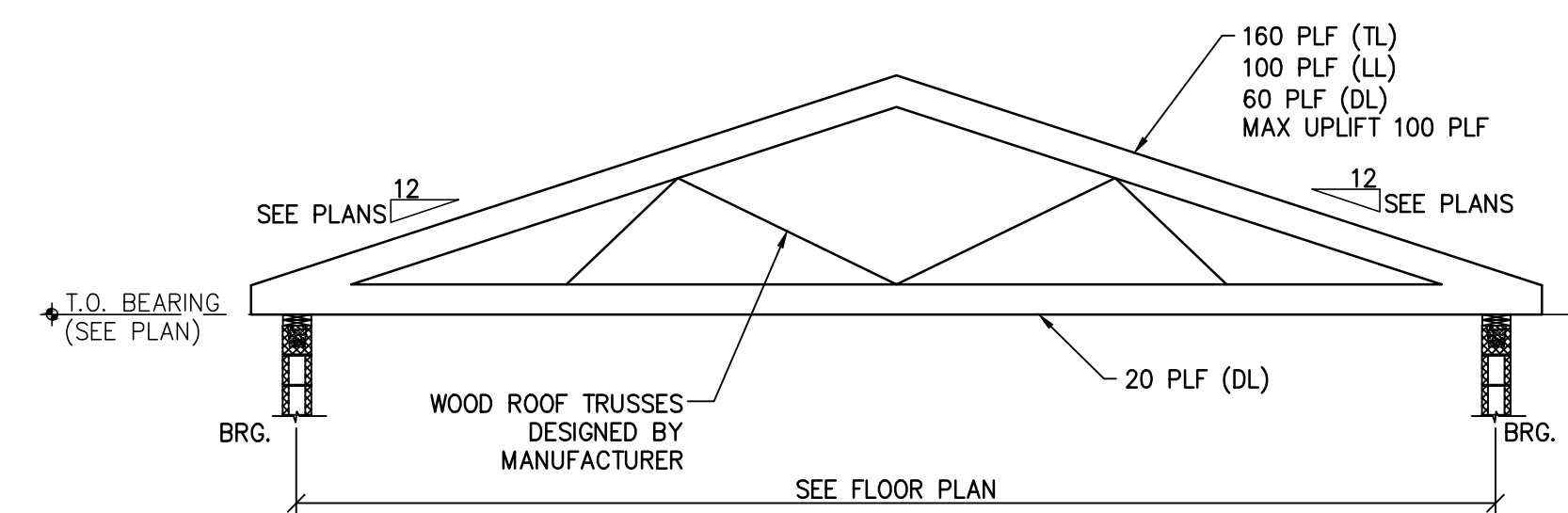


BUILDING SECTION A
SCALE: 1/4"=1'

NOTE:
1. SIZES ARE NOT FINAL AND SHALL BE PROVIDED BY BUILDING MANUFACTURER AND COMPLY TO ALL APPLICABLE BUILDING CODES.



TURN-DOWN SLAB DETAIL 1
SCALE: 3/4"=1'



TRUSS SECTION
N.T.S.



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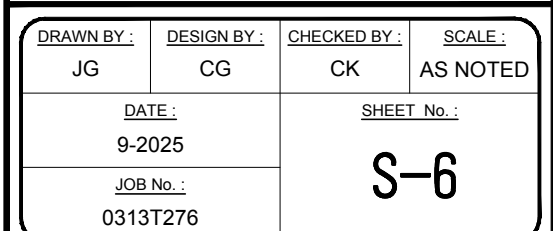
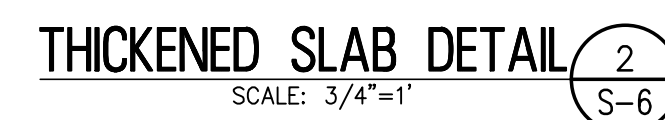
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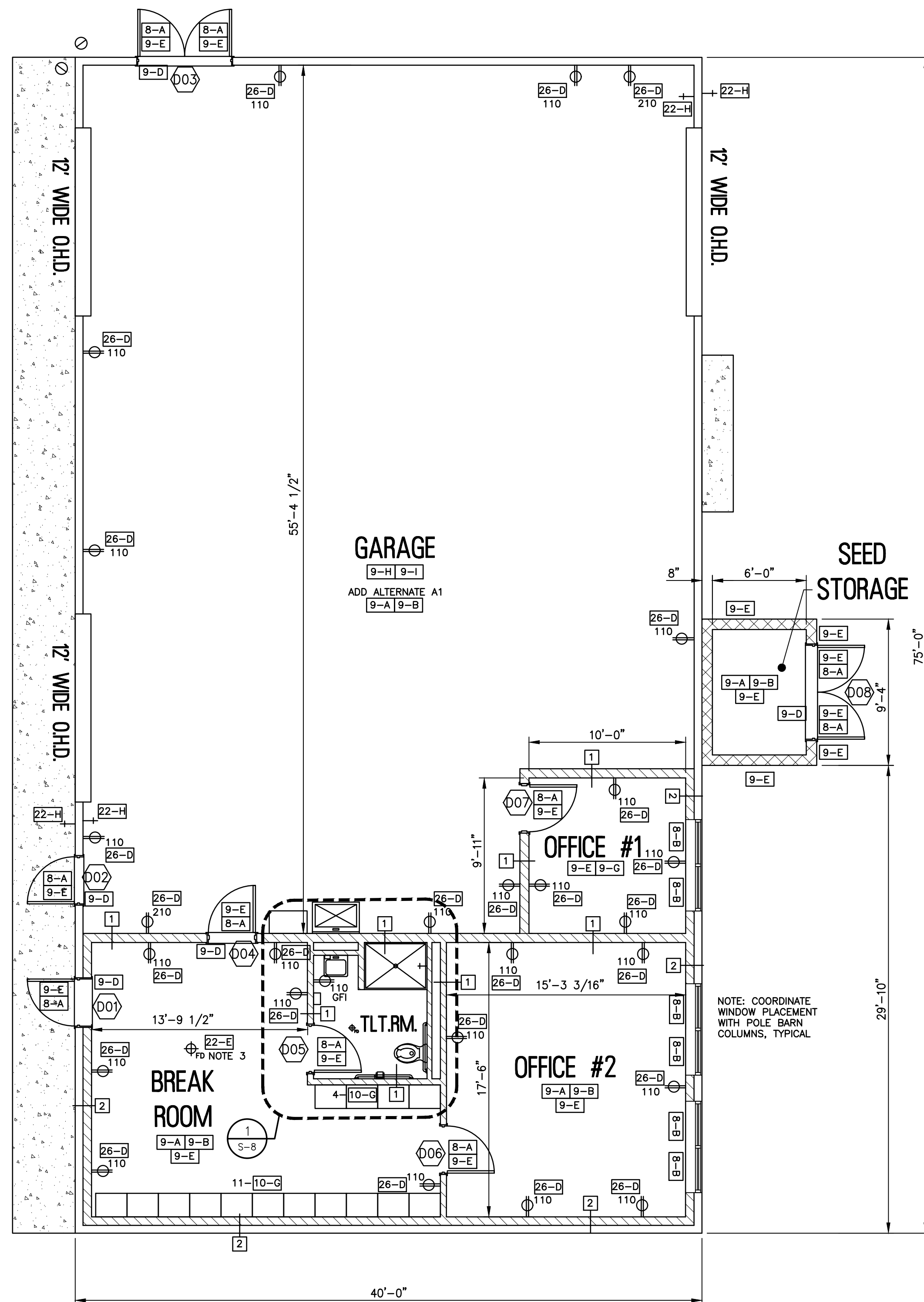
STRUCTURAL SECTIONS & DETAILS

EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX
TOWNSHIP OF EVESHAM BURLINGTON COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
JG	CG	CK	AS NOTED
DATE:			
9-2025			
JOB No.:			
03131276			

S-5





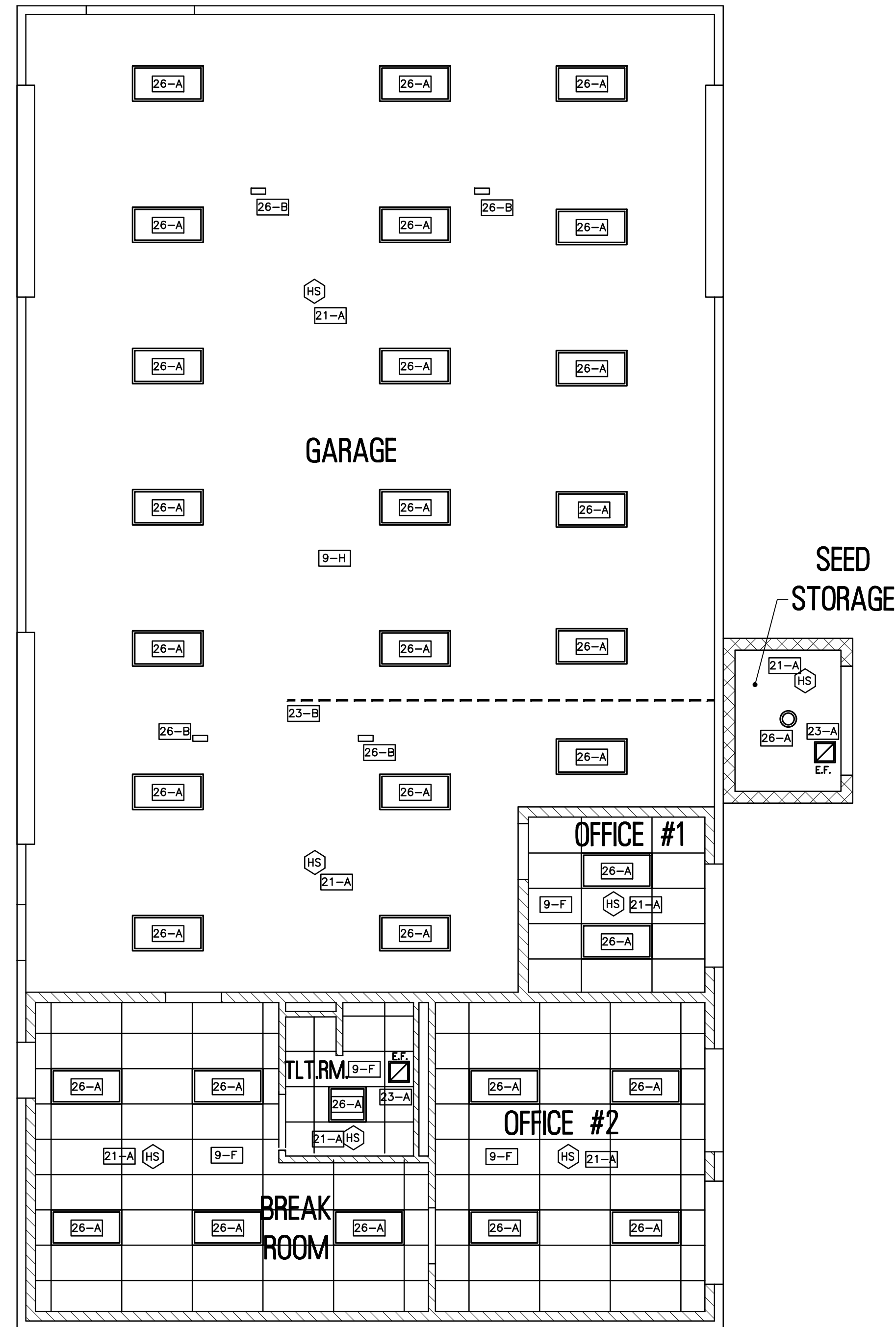
PROPOSED INTERIOR FLOOR PLAN

SCALE: $\frac{3}{16}'' = 1'-0''$

1
S-7

MATERIAL KEYNOTES

- | | | | |
|------|---|------|---|
| 8 | DOORS AND WINDOWS | 21-A | NEW SMOKE/HEAT DETECTOR. SEE ELECTRICAL DRAWINGS. |
| 8-A | HOLLOW METAL DOOR FRAME, PRIMED AND PAINTED, SIZED TO MATCH DOOR | 21-B | NEW FIRE STROBE. SEE ELECTRICAL DRAWINGS. |
| 8-B | VINYL DOUBLE HUNG WINDOW AS PER POLE BARN MANUFACTURER'S STANDARDS | 22 | PLUMBING |
| 9 | FINISHES | 22-A | BARRIER-FREE WATER-CLOSET. SEE PLUMBING DRAWINGS. |
| 9-A | 100% SOLIDS, LOW-VISCOSITY EPOXY PRIMER, BASE BID: BREAK ROOM AND OFFICES. ADD ALTERNATE A1: GARAGE. | 22-B | BARRIER-FREE LAVATORY, FAUCET & PIPING, COMPLETE, ADA COMPLIANT. SEE PLUMBING DRAWINGS, INCLUSIVE OF FLOOR MOUNTED, CONCEALED ARM CARRIER AND NECESSARY BLOCKING. |
| 9-B | POURED EPOXY FLOORING WITH INTEGRAL BASE. BASE BID: BREAK ROOM AND OFFICES. ADD ALTERNATE A1: GARAGE. | 22-C | NEW ADA 36"x48" SHOWER STALL INSERT, COMPLETE WITH FAUCET, DRAIN, PIPING & ACCESSORIES. SEE PLUMBING DRAWINGS. |
| 9-C | ITEM NOT USED | 22-D | 36"x24" WALL MOUNTED STAINLESS STEEL UTILITY SINK AND FAUCET. SEE PLUMBING DRAWINGS. |
| 9-D | ALUMINUM THRESHOLD | 22-E | FLOOR DRAIN AND COVER. SEE PLUMBING DRAWINGS. |
| 9-E | PRIME & PAINT ALL EXPOSED GWB AND CMU WALLS, DOORS, DOOR FRAMES, ETC. | 22-F | HOT WATER HEATER. SEE PLUMBING DRAWINGS. |
| 9-F | 2'-0"x4'-0" ACOUSTICAL TILE CEILING AND GRID. | 22-G | EXISTING EYEWASH (AS MANUFACTURED BY SPERIAN). COORDINATE WITH CLIENT. |
| 9-G | ITEM NOT USED | 22-H | FREEZE FREE ANTI-SIPHON HOSE BIB. SEE PLUMBING DRAWINGS. |
| 9-H | WHITE LINER PANEL, BASIS OF DESIGN 0.039" PRO-TURF INTERIOR PVC LINER PANEL, OR APPROVED EQUAL | 23 | HVAC SYSTEMS |
| 9-I | CONCRETE SLAB SEALANT. BASIS OF DESIGN: SPGX ONE PART POLYUREA COATING, AS MANUFACTURED BY ARMOR PROXY, OR APPROVED EQUAL. | 23-A | NEW EXHAUST FAN. SEE MECHANICAL DRAWINGS |
| 10 | SPECIALTIES | 23-B | NEW AIR LINE AND REEL FROM EXISTING COMPRESSOR. SEE MECHANICAL DRAWINGS |
| 10-A | 1 1/2"Ø METAL GRAB BARS | 26 | ELECTRICAL |
| 10-B | UNDER COUNTER PIPE INSULATION | 26-A | NEW LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS |
| 10-C | WALL MOUNTED MIRROR | 26-B | NEW RETRACTABLE CEILING MOUNTED ELECTRICAL OUTLET REELS. SEE ELECTRICAL DRAWINGS. |
| 10-D | TOILET PAPER DISPENSER | 26-C | NEW EXHAUST FAN. SEE ELECTRICAL DRAWINGS. |
| 10-E | PAPER TOWEL DISPENSER | 26-D | NEW RECEPTACLE. SEE ELECTRICAL DRAWINGS FOR INFORMATION. NUMBER INDICATES VOLTAGE. |
| 10-F | SOAP DISPENSER | | |
| 10-G | 24"Wx18"Dx72"H WIDE OPEN GEAR STEEL LOCKER. BASIS OF DESIGN: H-6893, AS MANUFACTURED BY ULINE INDUSTRIES, https://www.uline.com/ | | |
| 10-H | WALL MOUNTED STAINLESS STEEL TOWEL HOOK | | |
| 10-I | WALL MOUNTED EXTRA HEAVY DUTY SHOWER CURTAIN ROD. BASIS OF DESIGN: B-6047x48, AS MANUFACTURED BY BOBBICK. | | |



PROPOSED INTERIOR REFLECTED CEILING PLAN

PROPOSED GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE AND OBLIGATED TO SUCCESSFULLY COMPLETE THE ENTIRE PROJECT AND TO COMPLETE EACH AND EVERY NECESSARY DETAIL OF EVERY ITEM SPECIFIED AND / OR IS REQUIRED TO COMPLETE THE SPECIFIED WORK REGARDLESS OF WHETHER OR NOT A DETAIL IS SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS.
3. DRAWINGS ON THIS SHEET ARE FOR LAYOUT AND FINISHES. SOME ITEMS MAY NOT BE SHOWN ON ALL SHEETS. THE INTENT IS THAT ALL DRAWING SHEETS MAKE UP A FULLY COMPREHENSIVE SET. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR FIXTURE, EQUIPMENT AND SYSTEMS INFORMATION AND SPECIFICATIONS.
- 3.1. ALL ITEMS SHALL BE INCLUDED WITHIN THE BID TOTAL.
4. FINISHES SHOWN WITHIN THE ROOMS AND/OR SPACES SHALL BE TYPICAL FOR ALL APPROPRIATE EXPOSED SURFACES REGARDLESS IF NOTED ON THE PLANS.
5. CONTRACTOR SHALL INSTALL ALL FIXTURES, EQUIPMENT AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED. ALL REQUIRED BLOCKING SHALL BE INCLUDED FOR ALL ITEMS.

LEGEND

- | | |
|---|---|
|  | INDICATES CONSTRUCTION OF NEW CMU WALLS |
|  | INDICATES CONSTRUCTION OF NEW GWB WALLS |
|  | INDICATES WALL TYPE. SEE SHEET S-6.0 FOR DETAILS. SEE SHEET S-4 FOR BUILDING SECTIONS |

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AN EMBOSSED SEAL ARE NOT VALID

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PROPOSED INTERIOR PLANS

**EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

<u>DRAWN BY:</u>	<u>DESIGN BY:</u>	<u>CHECKED BY:</u>	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 03/2026		<u>SHEET No.:</u> S-7	
<u>JOB No.:</u> 0313T276			

8 DOORS AND WINDOWS

8-A HOLLOW METAL DOOR FRAME, PRIMED AND PAINTED, SIZED TO MATCH DOOR

8-B VINYL DOUBLE HUNG WINDOW AS PER POLE BARN MANUFACTURER'S STANDARDS

9 FINISHES

9-A 100% SOLIDS, LOW-VISCOSITY EPOXY PRIMER, BASE BID: BREAK ROOM AND OFFICES. ADD ALTERNATE A1: GARAGE.

9-B POURED EPOXY FLOORING WITH INTEGRAL BASE. BASE BID: BREAK ROOM AND OFFICES. ADD ALTERNATE A1: GARAGE.

9-C ITEM NOT USED

9-D ALUMINUM THRESHOLD

9-E PRIME & PAINT ALL EXPOSED GWB AND CMU WALLS, DOORS, DOOR FRAMES, ETC.

9-F 2'-0"x4'-0" ACOUSTICAL TILE CEILING AND GRID.

9-G ITEM NOT USED

9-H WHITE LINER PANEL, BASIS OF DESIGN 0.039" PRO-TURF INTERIOR PVC LINER PANEL, OR APPROVED EQUAL

9-I CONCRETE SLAB SEALANT, BASIS OF DESIGN: SPGX ONE PART POLYUREA COATING, AS MANUFACTURED BY ARMOR PROXY, OR APPROVED EQUAL.

10-A	1 1/2"ø METAL GRAB BARS
10-B	UNDER COUNTER PIPE INSULATION
10-C	WALL MOUNTED MIRROR
10-D	TOILET PAPER DISPENSER
10-E	PAPER TOWEL DISPENSER
10-F	SOAP DISPENSER
10-G	24"Wx18"Dx72"H WIDE OPEN GEAR STEEL LOCKER. BASIS OF DESIGN: H-6893, AS MANUFACTURED BY ULINE INDUSTRIES, https://www.uline.com/
10-H	WALL MOUNTED STAINLESS STEEL TOWEL HOOK
10-I	WALL MOUNTED EXTRA HEAVY DUTY SHOWER CURTAIN ROD. BASIS OF DESIGN: B-6047x48 AS MANUFACTURED BY BOBRICK.

21-A NEW SMOKE/HEAT DETECTOR. SEE ELECTRICAL DRAWINGS
21-B NEW FIRE STROBE. SEE ELECTRICAL DRAWINGS.

22-A PLUMBING

22-B BARRIER—FREE WATER—CLOSET. SEE PLUMBING DRAWINGS.

22-B BARRIER—FREE LAVATORY. FAUCET & PIPING, COMPLETE, ADA COMPLIANT. SEE PLUMBING DRAWINGS. INCLUSIVE OF FLOOR MOUNTED, CONCEALED ARM CARRIER AND NECESSARY BLOCKING.

22-C NEW ADA 36"x48" SHOWER STALL INSERT, COMPLETE WITH FAUCET, DRAIN, PIPING & ACCESSORIES. SEE PLUMBING DRAWINGS.

22-D 36"x24" WALL MOUNTED STAINLESS STEEL UTILITY SINK AND FAUCET. SEE PLUMBING DRAWINGS.

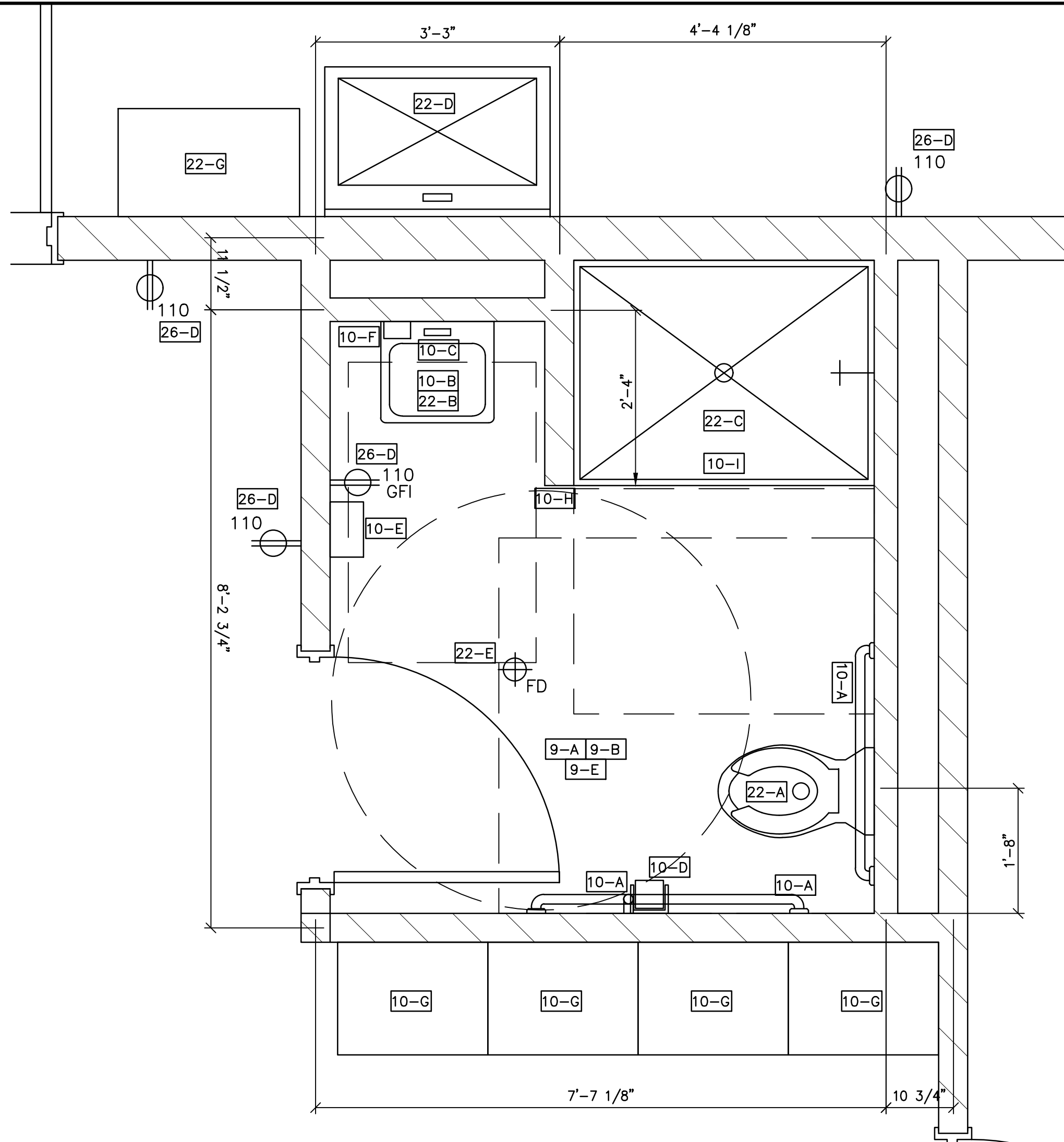
22-E FLOOR DRAIN AND COVER. SEE PLUMBING DRAWINGS.

22-F HOT WATER HEATER. SEE PLUMBING DRAWINGS.

22-G EXISTING EYEWASH (AS MANUFACTURED BY SPERIAN). COORDINATE WITH CLIENT.

22-H FREEZE FREE ANTI-SIPHON HOSE BIB. SEE PLUMBING DRAWINGS.

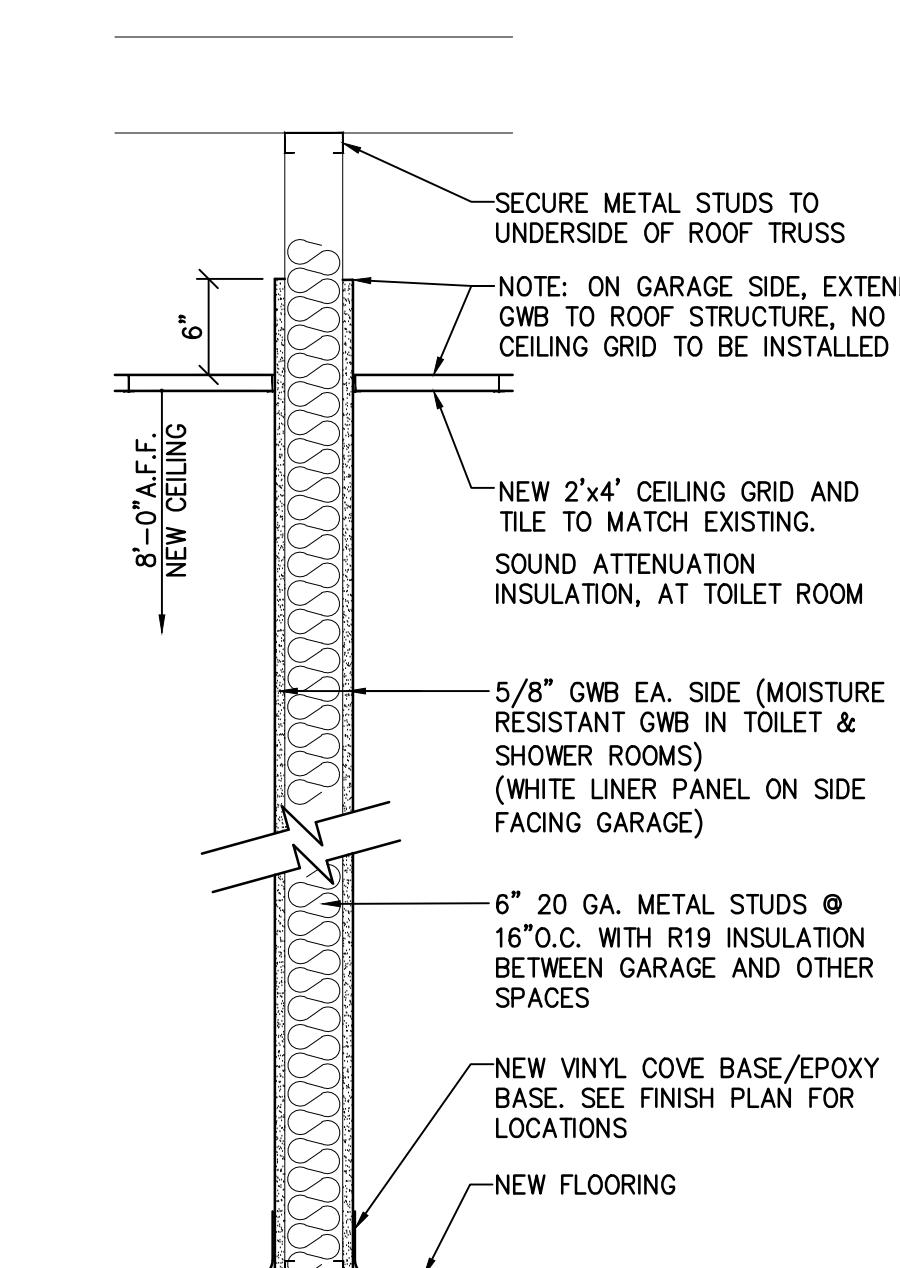
23	HVAC SYSTEMS
23-A	NEW EXHAUST FAN. SEE MECHANICAL DRAWINGS
23-B	NEW AIR LINE AND REEL FROM EXISTING COMPRESSOR. SEE MECHANICAL DRAWINGS
26	ELECTRICAL
26-A	NEW LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
26-B	NEW RETRACTABLE CEILING MOUNTED ELECTRICAL OUTLET REELS. SEE ELECTRICAL DRAWINGS.
26-C	NEW EXHAUST FAN. SEE ELECTRICAL DRAWINGS.
26-D	NEW RECEPTACLE. SEE ELECTRICAL DRAWINGS FOR INFORMATION. NUMBER INDICATES PAGE



ENLARGED TOILET ROOM PLAN

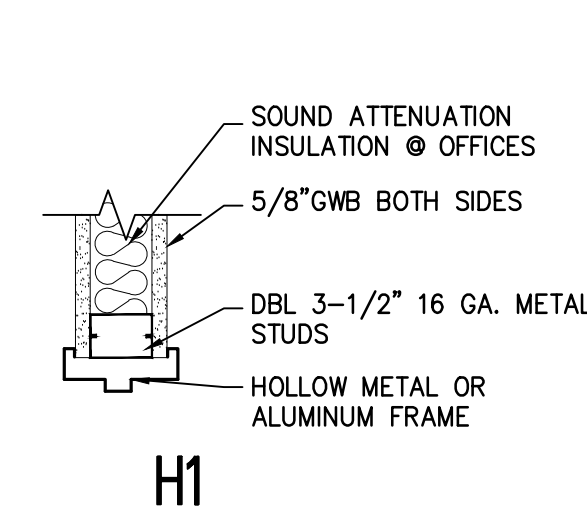
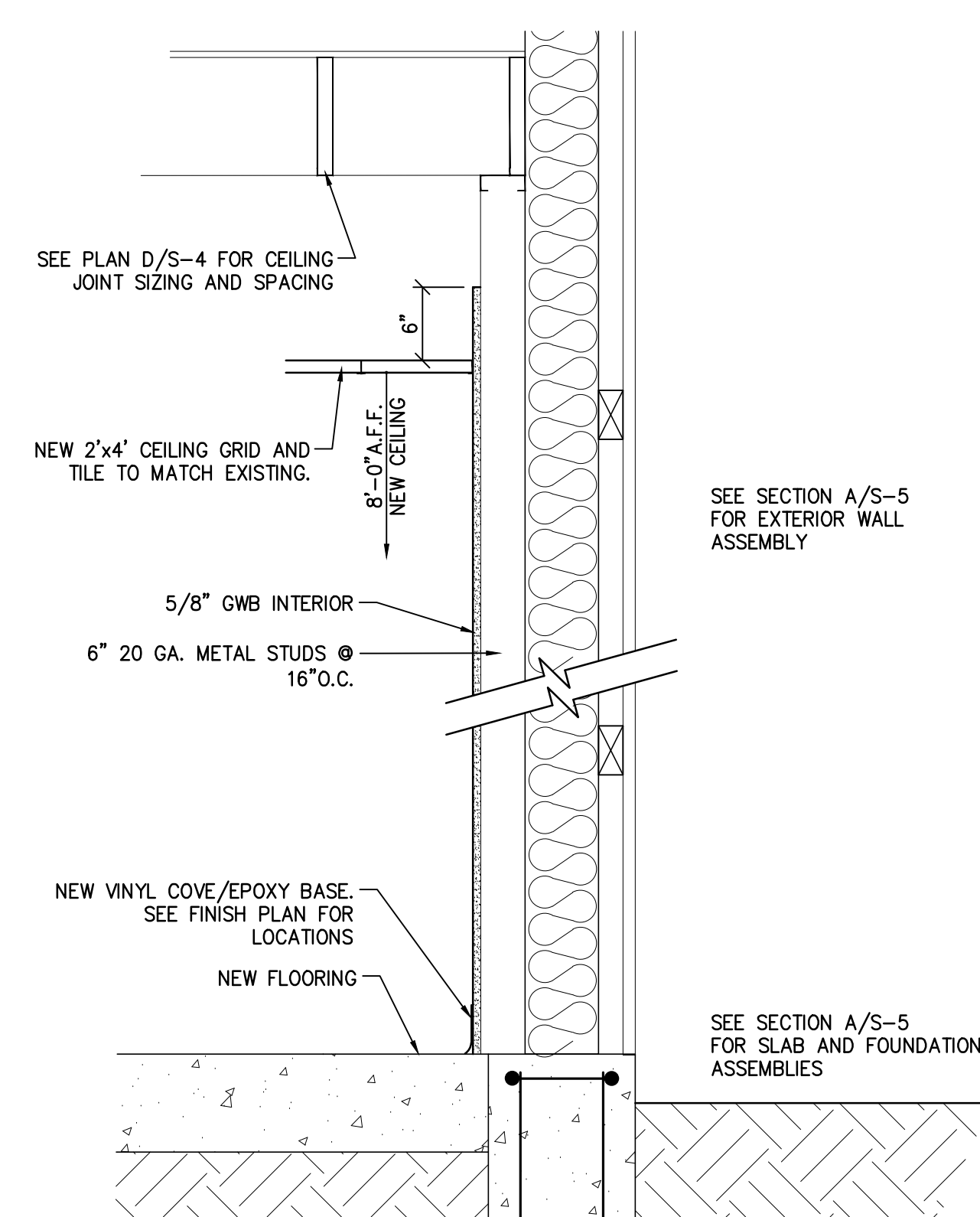
SCALE: 3/4" = 1'-0"

1
S-8

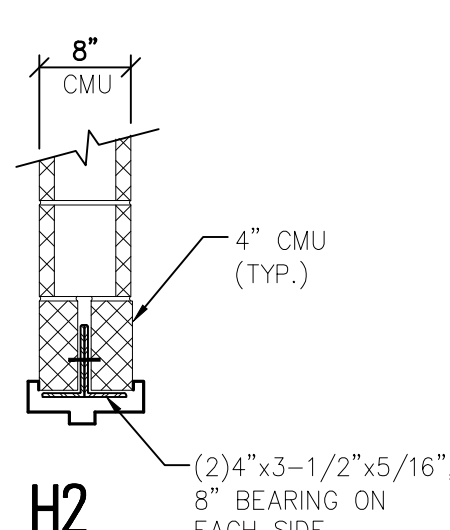


WALL TYPES

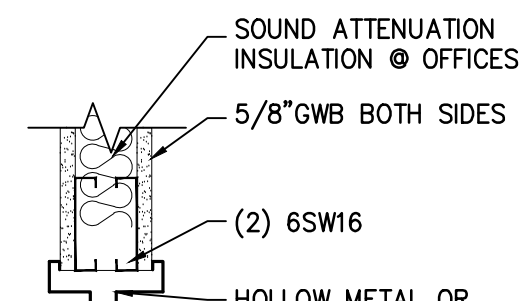
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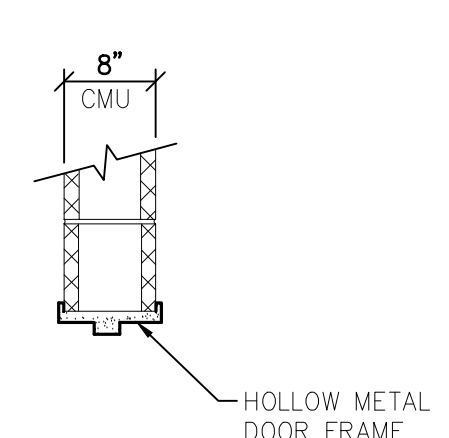
HEAD DETAILS



H2

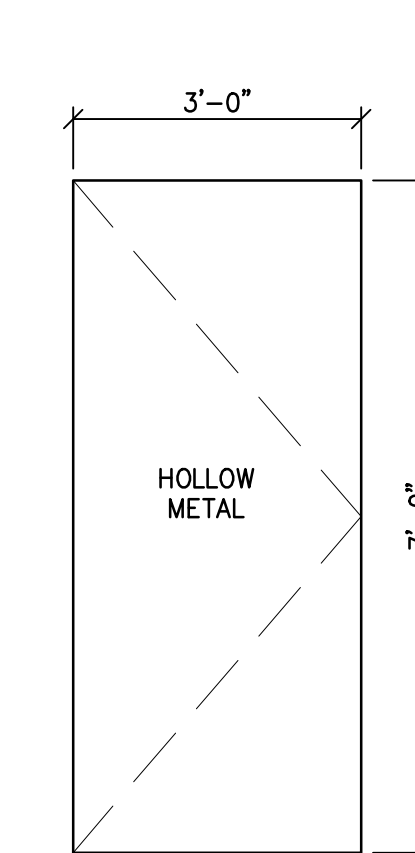


J1



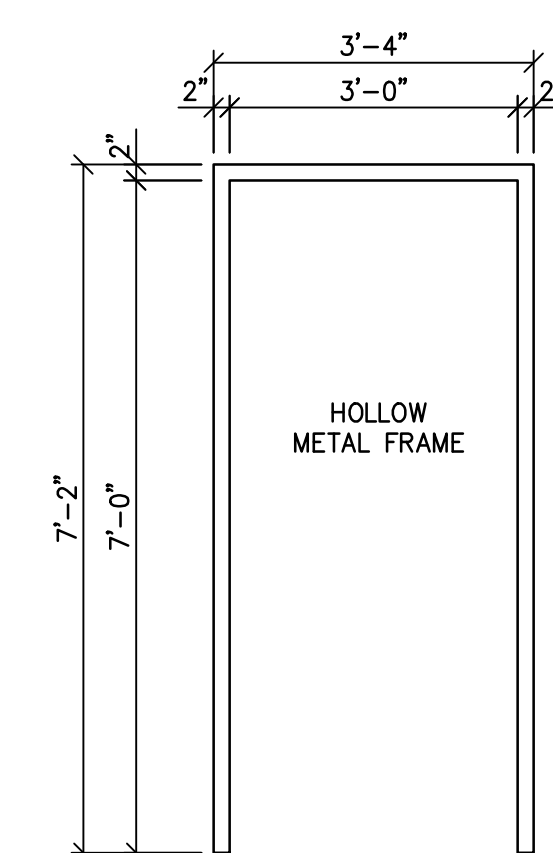
J2

JAMB DETAILS



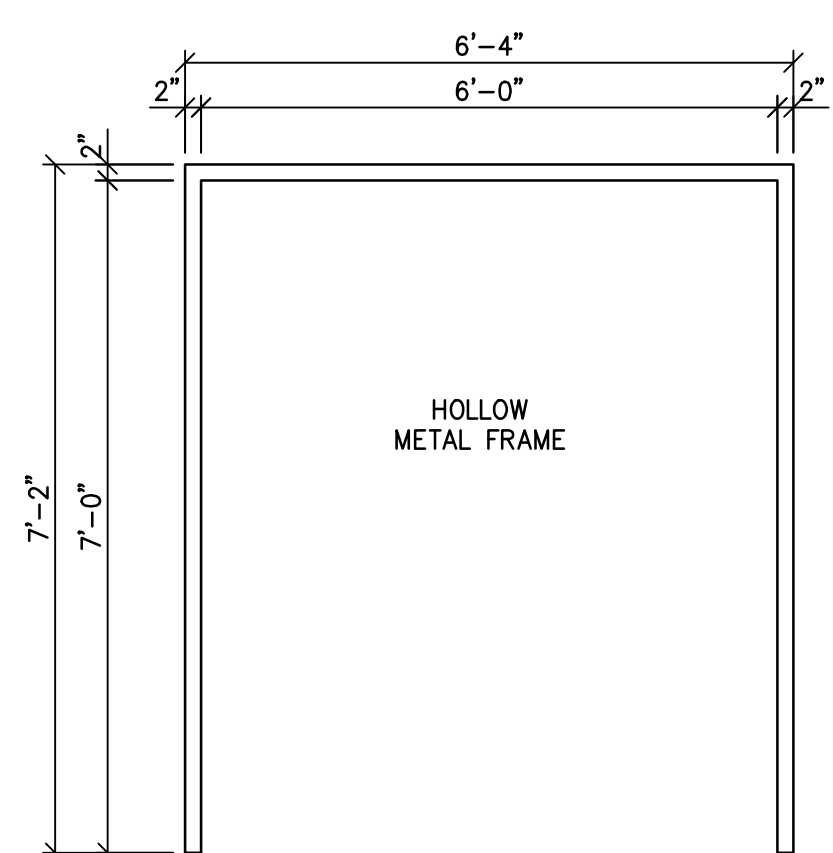
A

DOOR TYPE
SCALE: 1/2" = 1' 0"



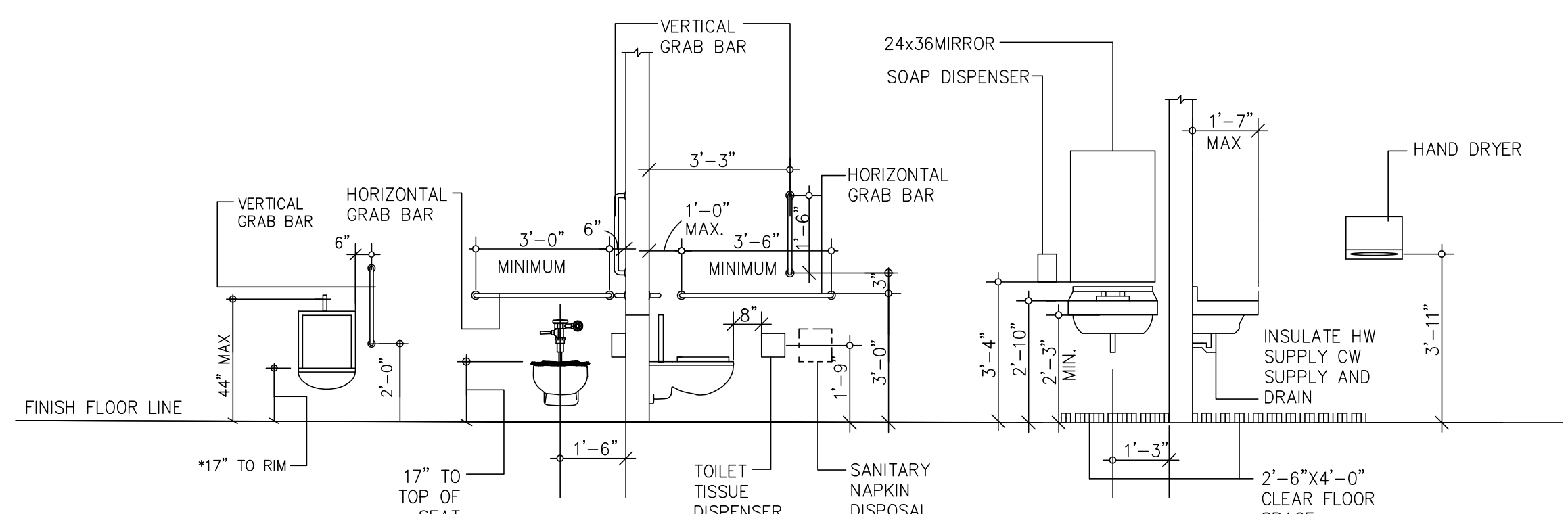
1

FRAME TYPES



2

FRAME TYPES



*NOTE: ALL STANDARD INSTALLATION HEIGHTS TO BE THE SAME AS ADA HEIGHTS EXCEPT WALL HUNG URINALS - STANDARD HEIGHT TO THE RIM OF THE NON-ADA URINAL SHALL BE 28" A.F.F.

ADA HEIGHT REQUIREMENTS

1. CONTRACTOR SHALL BE RESPONSIBLE AND OBLIGATED TO SUCCESSFULLY COMPLETE THE ENTIRE PROJECT AND TO COMPLETE EACH AND EVERY NECESSARY DETAIL OF EVERY ITEM SPECIFIED AND / OR IS REQUIRED TO COMPLETE THE SPECIFIED WORK REGARDLESS OF WHETHER OR NOT A DETAIL IS SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS.
3. DRAWINGS ON THIS SHEET ARE FOR LAYOUT AND FINISHES. SOME ITEMS MAY NOT BE SHOWN ON ALL SHEETS. THE INTENT IS THAT ALL DRAWING SHEETS MAKE UP A FULLY COMPREHENSIVE SET, SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR FIXTURE, EQUIPMENT AND SYSTEMS INFORMATION AND SPECIFICATIONS.
- 3.1. ALL ITEMS SHALL BE INCLUDED WITHIN THE BID TOTAL.
4. FINISHES SHOWN WITHIN THE ROOMS AND/OR SPACES SHALL BE TYPICAL FOR ALL APPROPRIATE EXPOSED SURFACES REGARDLESS IF NOTED ON THE PLANS.
5. CONTRACTOR SHALL INSTALL ALL FIXTURES, EQUIPMENT AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED. ALL REQUIRED

DOOR NUMBER	FROM	TO	DOOR MATERIAL	FRAME MATERIAL	DOOR SIZE	JAMB	HEAD	LOOKSET FUNCTION	REMARKS
D01	GARAGE	EXTERIOR	HM	HM	3'-0"x7'-0"	**	**	ENTRANCE (ND53PD)	** BY POLE BARN MANUFACTURER
D02	GARAGE	EXTERIOR	HM	HM	3'-0"x7'-0"	**	**	ENTRANCE (ND53PD)	** BY POLE BARN MANUFACTURER
D03	GARAGE	EXTERIOR	HM	HM	6'-0"x7'-0"	**	**	ENTRANCE (ND53PD)	** BY POLE BARN MANUFACTURER
D04	BREAKROOM	GARAGE	HM	HM	3'-0"x7'-0"	J1	H1	PASSAGE (ND10S)	
D05	BREAKROOM	TOILET ROOM	HM	HM	3'-0"x7'-0"	J1	H1	PRIVACY (ND85PD)	
D06	BREAKROOM	OFFICE #2	HM	HM	3'-0"x7'-0"	J1	H1	ENTRANCE (ND53PD)	
D07	GARAGE	OFFICE #2	HM	HM	3'-0"x7'-0"	J1	H1	ENTRANCE (ND53PD)	

	DOOR	SEED STORAGE	EXTERIOR	HM	HM	6-U X 7-1/2
<u>DOOR HARDWARE - EACH DOOR LEAF SHALL RECEIVE:</u>						
3	HINGE	506	4.5x4.5NRP (628)			IVES
1	LOCKSET		SEE DOOR SCHEDULE (262)			SCHLAGE
1	SURFACE CLOSER	4040	W/ HOLD OPEN (CUSH EXTERIOR)			LON
1	KICK PLATE	12"x34"				ROCKWOOD
1	MOP PLATE	4"x34"				ROCKWOOD
3	SILENCERS	SR64				IVES
1	WALL BUMPER		TO SUIT CONDITION			HAGER
DOUBLE DOORS SHALL HAVE A HD FLUSH BOLT TOP AND BOTTOM ON INACTIVE LEAF IBS FB511						

RYE

1901

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NJ PROFESSIONAL ENGINEER LIC. No. 47542

DATE: _____

JACQUELINE D. TROVATO

NJ PROFESSIONAL ENGINEER LIC. No. 51944

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[illegible]

PROPOSED DETAILS

EVESHAM TOWNSHIP PARKS AND RECREATION

RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX

TOWNSHIP OF EVESHAM BURLINGTON COUNTY NEW JERSEY

<u>DRAWN BY:</u>	<u>DESIGN BY:</u>	<u>CHECKED BY:</u>	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 03/2026		<u>SHEET No.:</u> S-8	
<u>JOB No.:</u> 0313T276			

17. FIRE PROTECTION

1. EXAMINE JOB SITE AND VERIFY ALL SITE CONDITIONS PRIOR TO SIGNING CONTRACT. BRING ANY DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL FIELD CONDITIONS TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
2. THE LOCATION OF EXISTING UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES UNLESS OTHERWISE INDICATED.
3. THE DRAWINGS ARE DIAGRAMMATIC. COORDINATE IN THE FIELD, WITH THE ARCHITECT AND WITH ALL TRADES, THE EXACT LOCATION OF EQUIPMENT, FIXTURES, VALVES, THERMOSTATS, ETC. AND ROUTING OF PIPING, DUCTWORK, CONDUIT, ETC.
4. PERFORM WORK IN ACCORDANCE WITH RULES, REGULATIONS, STANDARDS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES HAVING JURISDICTION AND BE RESPONSIBLE FOR COMPLIANCE THEREWITH.
5. OBTAIN ALL NECESSARY APPROVALS, PERMITS AND INSPECTIONS. PAY ALL ASSOCIATED FEES.
6. GUARANTEE ALL SYSTEMS AND WORK FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. GUARANTEE REFRIGERATION COMPRESSORS FOR FIVE (5) YEARS.
7. BEFORE STARTING FABRICATION/ WORK SUBMIT TO ARCHITECT/ENGINEER FOR APPROVAL SIX (6) COMPLETE SETS OF SHOP DRAWINGS AND PRODUCT DATA FROM MANUFACTURERS, SUPPLIERS, ETC.
8. ALL MATERIALS SHALL BE NEW AND OF COMMERCIAL GRADE AND BEAR THE UNDERWRITER'S LABEL WHERE APPLICABLE.
9. LOCATE ALL EXISTING UTILITIES AND MAKE SERVICEABLE CONNECTIONS TO SAME.
10. OBTAIN APPROVAL FROM THE BUILDING OWNER'S REPRESENTATIVE PRIOR TO ANY INTERRUPTION OF BUILDING SYSTEMS. COORDINATE ACCEPTABLE WORKING HOURS WITH SAME.
11. REMOVE ALL ABANDONED EQUIPMENT, FIXTURES, DUCTWORK, PIPING, CONDUIT, ETC. CAP ALL PIPING ABANDONED IN WALLS.
12. ALL CUTTING AND PATCHING IS BY RESPECTIVE CONTRACTORS. CORE DRILL OR SAW CUT ALL MASONRY AND RESTORE ALL SURFACES TO ORIGINAL CONDITION. PAINTING AND FINISHING ARE BY THE GENERAL CONTRACTOR.
13. PIPING AND SPECIALTIES

14. DUCTWORK AND SPECIALTIES
- a. ALL DUCTWORK TO BE IN ACCORDANCE WITH S.M.A.C.N.A. "H.V.A.C. DUCT CONSTRUCTION STANDARDS", LATEST EDITION. PRESSURE CLASS "B".
 - b. ALL DUCTWORK TO BE CONSTRUCTED OF GALVANIZED SHEETMETAL.
 - c. PROVIDE 45 DEGREE COLLARS TO ALL BRANCH CONNECTIONS. PROVIDE TURNING VANES AT ALL ELBOWS 12"X6" OR LARGER. PROVIDE STANDARD RADIUS ELBOWS AT ALL ELBOWS SMALLER THAN 12"X6".
 - d. PROVIDE ALL VOLUME DAMPERS REQUIRED TO BALANCE THE SYSTEMS. INSTALL VOLUME DAMPERS AT BRANCH TAKE-OFFS FROM TRUNK.
 - e. PROVIDE CURTAIN TYPE FIRE DAMPERS WHEREVER DUCT PENETRATES FIRE RATED PARTITIONS. UNITS SHALL PROVIDE NOT LESS THAN 90% FREE AREA. PROVIDE ACCESS DOORS AT ALL FIRE DAMPERS.
 - f. TEST DUCT SYSTEMS FOR AIR TIGHTNESS AND ABSENCE OF AUDIBLE LEAKS BEFORE ENCLOSURE.
 - g. BALANCE ALL AIR DEVICES FOR AIR QUANTITIES NOTED ON DRAWINGS. PROVIDE BALANCING REPORT TO ARCHITECT/ENGINEER.
 - h. FLEXIBLE DUCTS: ALL FLEXIBLE DUCTS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE.
 - i. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
 - j. PROVIDE FIRE DAMPERS IN THE DUCTWORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND THE CONTRACT DOCUMENTS.
 - k. UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) TWO AND ONE HALF (2-1/2) INCH THICK LAYER OF MINERAL FIBER BLANKET INSULATION ON ALL NEW OUTDOOR AND RECTANGULAR SUPPLY AIR, EXHAUST AIR, RETURN AIR AND OUTDOOR AIR DUCTWORK. INCLUDE A FIELD APPLIED PAPER AND FOIL JACKET WITH VAPOR RETARDER AS PART OF THE INSULATION ASSEMBLY.
 - l. UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) TWO (2) INCH THICK LAYER OF MINERAL FIBER BOARD INSULATION ON ALL NEW OUTDOOR ROUND AND RECTANGULAR SUPPLY AIR, EXHAUST AIR, RETURN AIR AND OUTDOOR AIR DUCTWORK. INCLUDE A WEATHERPROOF FIELD APPLIED 22 GAUGE ALUMINUM JACKET WITH VAPOR RETARDER AS PART OF THE INSULATION ASSEMBLY. COORDINATE FINISH COLOR OF EXTERIOR JACKET WITH THE OWNER.
 - m. UNLESS OTHERWISE NOTED ALL EXPOSED SUPPLY, RETURN AND EXHAUST AIR DUCTWORK SHALL BE PRIMED AND PAINTED. COLOR TO BE DETERMINED BY THE ENGINEER/ OWNER.

17. FIRE PROTECTION
- a. THE QUANTITY AND LOCATION OF SPRINKLERS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND INTENDED FOR SCHEMATIC PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING AND COMMISSIONING ALL NECESSARY SPRINKLERS, PIPE, EQUIPMENT AND APPURTENANCES NECESSARY, IN FULL ACCORDANCE WITH THE NFPA AND APPROVED BY THE ENGINEER AND ALL AUTHORITIES HAVING JURISDICTION.
 - b. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE DETAILED DESIGN DRAWINGS, HYDRAULIC CALCULATIONS, PIPING, FITTINGS, SPRINKLERS, ALARM AND MONITORING DEVICES, SIGNAGE AND APPURTENANCES COMPLETE AND IN FULL ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND NFPA 13 & 14. ALL WIRING OF DEVICES SHALL BE DONE BY ELECTRICAL CONTRACTOR.
 - c. ALL SPRINKLER HEADS SHALL BE LOCATED AT THE CENTER POINT OF ALL ACOUSTICAL CEILING TILES.
 18. ALL EXISTING PLUMBING, HVAC AND ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE EITHER EXPOSED OR CONCEALED AND THAT INTERFERE WITH ALTERED EXISTING BUILDING ARRANGEMENTS AND NEW SYSTEMS SHALL BE REMOVED, RELOCATED, REROUTED, OR ABANDONED. DRAWINGS GENERALLY INDICATE MAJOR ITEMS OF EXISTING MATERIALS AND EQUIPMENT THAT ARE AFFECTED. IT IS NOT POSSIBLE TO INDICATE ALL RELATED ACCESSORIES, SPECIALTIES AND OTHER MINOR ITEMS; HOWEVER, THEIR REMOVAL, RELOCATION, REROUTING AND ABANDONMENT SHALL ALSO BE INCLUDED IN THIS WORK.
 19. EXISTING CONCEALED PLUMBING, HVAC AND ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE TO REMAIN BUT BECOME EXPOSED DUE TO RENOVATION WORK, SHALL BE RELOCATED AND RECONNECTED AS PART OF THIS WORK.
 20. PLUMBING DRAWINGS ARE DIAGRAMMATIC. ALL DEVICES & FITTINGS MAY NOT BE SHOWN ON THE DRAWINGS FOR CLARITY. PROVIDE CLEANOUTS NEAR THE BASE OF ALL VERTICAL WASTE & STORM WATER STACKS IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL STANDARD PLUMBING CODE.
 21. GUARDS SHALL BE PROVIDED WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE AND ROOF HATCH OPENINGS ARE LOCATED WITHIN 12 FEET OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THEN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THEN 30 INCHES BEYOND EACH END OF SUCH APPLIANCES, EQUIPMENT, FANS, COMPONENTS AND ROOF HATCH OPENINGS. THE TOP OF THE GUARDRAILS BE LOCATED NOT LESS THEN 42 INCHES ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21 INCH-DIAMETER-SIZE BALL AND SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS SPECIFIED IN THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE.
 22. PROVIDE FOR ALL MECHANICAL EQUIPMENT – FAN AND MOTOR PULLEYS, SHEAVES, BELTS AND LABOR REQUIRED TO BALANCE THE NEW AND EXISTING MECHANICAL EQUIPMENT TO THE SPECIFIED SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR FLOWS SHOWN ON THE CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER. THE TESTING, ADJUSTING AND BALANCING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED PULLEYS, SHEAVES AND BELTS EVEN IF THEY ARE NOT PROVIDED WITH THE EQUIPMENT BY THE MANUFACTURER.
 23. UNLESS OTHERWISE NOTED CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL ALL CONNECTION/ TRANSITION DUCTS BETWEEN NEW HVAC EQUIPMENT (UNIT VENTILATORS, BLOWER COILS, FAN COILS, AIR HANDLERS, ETC.) AND NEW OR EXISTING OUTSIDE AIR LOUVERS. CONTRACTOR IS ALSO RESPONSIBLE FOR REINFORCING ANY OUTSIDE AIR LOUVER OPENING THAT IS CREATED OR ENLARGED TO ACCOMMODATE THE NEW INSTALLATION.
 24. UNLESS SPECIFICALLY DIRECTED OTHERWISE THE CONTRACTOR SHALL SUBMIT PRE-DEMOLITION/ PRE-CONSTRUCTION VIDEOS AND/ OR PHOTOGRAPHS OF THE EXISTING CONDITIONS IN THE PROPOSED AREA OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF DEMOLITION/ CONSTRUCTION WORK.

AD	ACCESS DOOR	LRG	LINEAR RETURN GRILLE
ADJ.	ADJACENT	LSR	LINEAR SUPPLY REGISTER
AFF	ABOVE FINISHED FLOOR	MD	MOTORIZED DAMPER
AHU	AIR HANDLER UNIT	MH	MANHOLE
AP	ACCESS PANEL	MSB	MOP SERVICE BASIN
B	BOILER	MUA	MAKE-UP AIR UNIT
BFF	BELOW FINISHED FLOOR	MV	MIXING VALVE (THERMOSTAT)
BFP	BACKFLOW PREVENTOR	NC	NORMALLY CLOSED
BFU	BOILER FEED UNIT	NO	NORMALLY OPEN
BOD	BOTTOM OF DUCT	NTS	NOT TO SCALE
BOL	BOTTOM OF LOUVER	OA	OUTSIDE AIR
C	CONDENSATE	P	PUMP
CI	CAST IRON	RA	RETURN AIR
CD	CEILING DIFFUSER	RD	ROOF DRAIN
CEG	CEILING EXHAUST GRILLE	RH	RADIANT HEATER
CER	CEILING EXHAUST REGISTER	RHP	REDUCED PRESSURE BACKFLOW
CFH	CUBIC FEET PER HOUR	RFC	RAIN WATER CONDUCTOR
CFM	CUBIC FEET PER MINUTE	S	SINK/SANITARY PIPING
CL	CLEANOUT	S=02'	SLOPE
COG	CLEANOUT ON GRADE	SA	SUPPLY AIR
COND	CONDENSATE PIPING	SD	SPLITTER DAMPER
CONT	CONTINUED	SH	SHOWER
CP	CONDENSATE PUMP	SP	SPRINKLER PIPING
CRG	CEILING RETURN GRILLE	SS	SOIL STACK
CRR	CEILING RETURN REGISTER	ST	STORM PIPING
CSV	CIRCUIT SETTER VALVE	STM	STEAM PIPING
CT	COOLING TOWER	SV	STACK VENT
CTR	COOLING TOWER RETURN	SW	SAFEGWASTE
CTS	COOLING TOWER SUPPLY	T	TUB
CJ	CONDENSING UNIT	T	TRANSFER AIR GRILLE
CUH	CABINET UNIT HEATER	TOD	TOP OF DUCT
CWS	COLD WATER SUPPLY	TP	TRAP PRIMER
CWS/R	CONDENSER WATER SUPPLY/RETURN	TR	TRANSITION
DF	DRINKING FOUNTAIN	TWR	TEMPERED WATER RETURN
DFU	DRAINAGE FIXTURE UNITS	TWS	TEMPERED WATER SUPPLY
DN	DOWN	TYP	TYPICAL
EA	ELECTRIC AIR	UH	UNIT HEATER
EBBH	ELECTRIC BASEBOARD HEATER	UR	URINAL
EF	EXHAUST FAN	V	VENT PIPING
EWC	ELECTRIC WATER COOLER	VAV	VARIABLE AIR VOLUME
EW	ELECTRIC WATER HEATER	VO	VOLUME DAMPER
EX	EXISTING	VF	VERIFY IN FIELD
EXH	EXHAUST	VS	VENT STACK
FC	FLEXIBLE CONNECTION/FAN COIL	VTR	VENT THRU ROOF
FCD	FLOOR CLEANOUT	WC	WATER CLOSET
FRG	FLOOR DRAIN	WCO	WALL CLEANOUT
FRF	FLOOR RETURN GRILLE	WEG	WALL EXHAUST GRILLE
G	GAS PIPING	WER	WALL EXHAUST REGISTER
GV	GRATE VENTILATOR	WHA	WATER HAMMER ARRESTOR
H	HOSE BIBB	WHY	WALL HYDRANT
HD	HAND DAMPER	WMS	WIREMESH SCREEN
HP	HEAT PUMP	WRS	WALL RETURN GRILLE
HW	HOT WATER	WRR	WALL RETURN REGISTER
HWC	HANDICAPPED WATER CLOSET	WSFU	WALL SUPPLY FIXTURE UNITS
HWG	HOT WATER GENERATOR	WSG	WALL SUPPLY GRILLE
HWH	HOT WATER HEATER	WSR	WALL SUPPLY REGISTER
HWS	HOT WATER RETURN		
HX	HOT WATER SUPPLY		
L	LOUVER		
LAV	LAVATORY		
LBG	LINEAR BAR GRILLE		
LD	LINEAR DIFFUSER		
LF	LINEAR FEET		

- AW — ACID WASTE PIPING
— FO — FUEL OIL PIPING
// // // PIPING TO BE DEMOLISHED
— BF — BOILER FEED PIPING
— S — STEAM PIPING
— C — STEAM CONDENSATE PIPING

	PRESSURE GAUGE
	GAUGE COCK
	THERMOMETER
	PRESSURE TEMPERATURE TAP
	EXISTING HYDRONIC CONTROL VALVE
	HOSE BIBB DRAIN VALVE
	INSULATED PIPE
	VERTICAL VALVE
	CIRCUIT SETTER
	FLOW METER (MAGNETIC)
	FLOW METER (VENTURI)
	BALL JOINT
	SUCTION DIFFUSER
	PIPE ANCHOR
	PIPE GUIDE
	UNION
	VACUUM BREAKER
	CAP AND VALVED
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER STRAIGHT INVERT
	ECCENTRIC REDUCER STRAIGHT CROWN
	METER (SEE CONNECTED PIPING FOR TYPE OF SERVICE)
	CHAIN OPERATOR
	MOTOR OPERATOR
	FLOAT
	PUMP
	CLEANOUT
	FLOOR DRAIN WITH P-TRAP
	FUNNEL DRAIN
	TRAP

-  LOCK SHIELD GATE VALVE
 GLOBE VALVE

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[illegible]

PRE-BID - POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX

<u>DRAWN BY :</u> BK	<u>DESIGN BY :</u> BK	<u>CHECKED BY :</u>	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> M-1.0	
<u>JOB No. :</u> 0313T276			



DATE: 02-10-2026
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[illegible]

RE-BID - POLE BARN GARAGE IMPROVEMENTS AT MEMORIAL SPORTS COMPLEX

TOWNSHIP OF Evesham
BIRMINGHAM COUNTY
NEW JERSEY

<u>DRAWN BY :</u> BK	<u>DESIGN BY :</u> BK	<u>CHECKED BY :</u>	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> M-2.1	
<u>JOB No. :</u> 0313T276			



1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. THIS NEW WORK PLAN HAS BEEN PROVIDED AS A GUIDE TO CONVEY THE DESIGN INTENT. ALL NEW WORK REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK. ALL EXISTING SYSTEMS NOT SPECIFICALLY SHOWN OR NOTED TO BE REMOVED/ MODIFIED ON THE DRAWINGS SHALL REMAIN IN SERVICE AND BE UNDISTURBED.
3. DUCTWORK ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE DUCTWORK/UNIT INSTALLATION WITH ALL STRUCTURAL STEEL, ELECTRICAL CONDUIT, SYSTEMS WIRING/CABLE, CLOUD SYSTEM, FIRE PROTECTION PIPING, PLUMBING PIPING (SANITARY DRAINAGE, ROOF DRAINAGE, DOMESTIC HOT/COLD WATER AND GAS PIPING), ETC. AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW DUCTWORK OR PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SEE DIVISION 16 DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. CONTRACTOR TO PROVIDE FIRE STOPPING SLEEVES AS REQUIRED FOR ALL PROPOSED CORRIDOR/ FIREWALL/FLOOR/ROOF PENETRATIONS.
5. PROVIDE REFRIGERATION PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. ALL PIPE ROUTINGS SHOWN ARE APPROXIMATE. REFRIGERATION PIPING SHOWN ON THIS PLAN REFLECTS BOTH SUCTION AND LIQUID PIPING. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD COORDINATE ALL FINAL PIPE ROUTINGS IN THE FIELD TO AVOID INTERFERENCES AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL FIELD VERIFY FINAL LENGTH OF ALL HORIZONTAL AND VERTICAL REFRIGERANT PIPING RUNS (INCLUDING ALL FITTINGS) BETWEEN EQUIPMENT FOR PIPE SIZE CONFIRMATION. PROVIDE ALL VALVES, FILTERS, AND OTHER ACCESSORIES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL REFRIGERATION SUCTION PIPING SHALL BE INSULATED -- SEE DIVISION 23 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. NOT ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. SEE PIPING DETAILS ON MECHANICAL DETAIL DRAWINGS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) AS REQUIRED TO COMPLETE THE INSTALLATION EVEN IF NOT SPECIFICALLY SHOWN ON THE PLANS OR DETAILS.
7. LOCATION OF ALL CEILING MOUNTED GRILLES, REGISTERS AND DIFFUSERS SHOWN ON THIS SHEET ARE APPROXIMATE. CONTRACTOR SHALL FIELD ADJUST ALL LOCATIONS BASED ON THE CEILING GRID LAYOUT AS REQUIRED TO COMPLETE THE INSTALLATION AT NO ADDITIONAL COST TO THE OWNER
8. PROVIDE A MINIMUM HORIZONTAL SLOPE OF NO LESS THAN 1/8" EVERY 12" FOR CONDENSATE LINES.
9. CONTRACTOR TO INSTALL FIELD FABRICATED MIXING BOX WITH RA/OA DAMPERS.
10. THE MACURCO AUTOMATIC EXHAUST FAN CONTROLLER SHALL ACTIVATE THE GARAGE BAY EXHAUST FANS AND ALARM BELL ON A DETECTION OF NITROGEN DIOXIDE OR CARBON MONOXIDE GAS. DETECTION LEVELS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. PROVIDE SYSTEM WITH A MANUAL OVERRIDE SWITCH SUCH THAT THE FANS CAN RUN CONTINUOUSLY. QUANTITY AND LOCATION OF SENSORS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

1 MECHANICAL FLOOR PLAN
SCALE: 3/16"=1'-0"

VENTILATION SCHEDULE

ROOM NAME	EQUIPMENT TAG NUMBER	APPROX. AREA (SF)	OCCUPANT DENSITY # PEOPLE/ 1000 SF	NUMBER OF PEOPLE & / OR FIXTURES	VENTILATION AIR REQUIREMENTS (ASHRAE 62, INTERNATIONAL MECH CODE 2021)										OUTDOOR AIR CORRECTED DESIGN TOTAL (CFM) Vot	EXHAUST AIR DESIGN TOTAL (CFM)	RETURN AIR DESIGN TOTAL (CFM)	SUPPLY AIR DESIGN TOTAL MAX/MIN (CFM)	
					PEOPLE OUTDOOR AIRFLOW RATE R _p	TOTAL PEOPLE OUTDOOR AIRFLOW (CFM)	AREA OUTDOOR AIRFLOW RATE R _a	TOTAL AREA OUTDOOR AIRFLOW (CFM)	BREATHING ZONE OUTDOOR AIRFLOW (CFM) V _{bz}	ZONE AIR DISTRIBUTION EFFECTIVENESS (COOLING) E _z	ZONE AIR DISTRIBUTION EFFECTIVENESS (HEATING) E _z	ZONE OUTDOOR AIRFLOW (CFM) V _{oz}	PRIMARY OUTDOOR AIR FRACTION Z _p	EXHAUST AIRFLOW RATE					TOTAL EXHAUST AIRFLOW (CFM)
OFFICE 1	FCU-1	100	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	6	11	1.0	0.8	14	0.09	N/A	0	15	0	135	150
OFFICE 2	FCU-1	277	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	17	22	1.0	0.8	27	0.09	N/A	0	30	0	270	300
TOILET ROOM	FCU-1, EF-2	58	N/A	1 FIXTURE	N/A	0	N/A	0	0	1.0	0.8	0	0.00	70 CFM/FIXTURE	70	5	70	0	50
BREAKROOM	FCU-1	324	5	2 PEOPLE	5 CFM/PERSON	10	0.06 CFM/SQ.FT.	19	29	1.0	0.8	37	0.10	N/A	0	40	0	335	375
		759													TOTAL	90	70	740	875
GARAGE	GUH-1, GUH-2, EF-1	2,009	N/A	N/A	N/A	0	0.75 CFM/SQ.FT.	1507	1507	N/A	1	1,507	N/A	0.75 CFM/SQ. FT.	1507	0	1600	0	3,200
		49	N/A	N/A	N/A	0	0.12 CFM/SQ.FT.	6	6	1.0	0.8	7	N/A	0.75 CFM/SQ. FT.	37	0	100	0	0
SEED STORAGE		EF-3				0													

NOTES: 1. OCCUPANT LOADS ARE BASED ON ACTUAL SEATING CAPACITY.

FAN COIL HEAT PUMP SCHEDULE

[illegible]

CONDENSING UNIT SCHEDULE

TAG	EQUIPMENT SERVED	COOLING		HEATING		IEER / EER (MIN.)	COP (MIN.)	APPROXIMATE WEIGHT (LBS)	UNIT DIMENSIONS (IN.) (H x W x D)	ELECTRICAL V/PH/Hz	MIN. CIRCUIT AMPACITY (AMPS)	MAX OVERCURRENT PROT. RTG. (AMPS)	BASIS OF DESIGN	NOTES
		TONNAGE NOMINAL	MBH (TOTAL)	MBH (TOTAL)										
CU-1	FCU-1	2.5	30.0	34.0		13.5	4.2	231	43.34" x 14" x 52.67"	208-230/1/60	29.0	48	TRANE PUZ-3K30NLHZ	SEE BELOW

NOTES:

1. Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)

2. Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)

3. Efficiency values for EER, IEER, COP are based on AHRI 1230 test methods for mixture of ducted & non-ducted indoor units.

4. Provide added field charge as required as per manufacturers requirements.

5. Connected capacities shown are based on lowest guaranteed outdoor temperature.

6. Provide Panel Heater Kit to Prevent Ice Buildup on Outdoor Drain Pan

EXHAUST FAN SCHEDULE

[illegible]

GAS-FIRED UNIT HEATER SCHEDULE

TAG	TYPE	LOCATION	APPROX. DIM (D x H x W)	WEIGHT (LBS)	FAN(S)			ELECTRICAL			NOMINAL INPUT (MBH)	NOMINAL OUTPUT (MBH)	EFFICIENCY	MIN GAS INLET (IN)	BASIS OF DESIGN	NOTES
					AIRFLOW (CFM)	MOTOR HP		MCA	FLA	V/Ph/Hz						
GUH-1	VERTICAL	GARAGE	32.5"x33.75"x20.75"	135	1,600	1/10		7.5	6.4	120/1/60	83.0	100	83%	1/2	TRANE GNE010A0A0000A0C***J00	1, 2
GUH-2	VERTICAL	GARAGE	32.5"x33.75"x20.75"	135	1,600	1/10		7.5	6.4	120/1/60	83.0	100	83%	1/2	TRANE GNE010A0A0000A0C***J00	1, 2

NOTES: 1. PROVIDE HEATERS WITH SUMMER-WINTER SWITCH, CONTROLLING ACCESSORIES, THERMOSTAT,
AND ALL OTHER CONTROL DEVICES AND ACCESSORIES REQUIRED TO INSTALL AND OPERATE THE UNIT HEATERS.

2. PROVIDE UNIT HEATERS WITH VENTING AS SHOWN ON THE CONTRACT DRAWINGS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES AND STANDARDS.

LOUVER SCHEDULE

[illegible]

DIFFUSER, REGISTER & GRILLE SCHEDULE

TAG	DESCRIPTION	FACE	NECK	DIRECTION	BASIS OF DESIGN		
					MANUFACTURER	MODEL NUMBER	NOTES
A	DIFFUSER	24"x24"	8"ø	SUPPLY	PRICE	ASCD	1,2,3,4,5
B	REGISTER	8"x6"	8"x6"	SUPPLY	PRICE	620DAL	1,2,3,4,5
C	REGISTER	8"x6"	8"x6"	RETURN	PRICE	620	1,2,3,4,5
D	REGISTER	10"x10"	10"x10"	RETURN	PRICE	620	1,2,3,4,5
E	REGISTER	8"x6"	8"x6"	EXHAUST	PRICE	80	1,2,3,4,5

NOTES:

- COORDINATE MOUNTING FRAME WITH CEILING/WALL TYPE.
- COORDINATE COLOR & FINISH WITH ARCHITECT.
- PROVIDE GRILLE WITH BORDER FLANGE FOR LAY-IN TYPE CEILINGS. SEE PLANS FOR LOCATIONS.
- PROVIDE WITH ALUMINUM OPPOSED BLADE DAMPERS.
- NC (NOISE CRITERIA) LEVEL MAY BE NO GREATER THAN 25.



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DATE: 02-10-2026

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PLANS WHICH DO NOT BEAR
AN EMBOSSED SEAL ARE NOT VALID

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[illegible]

MECHANICAL SCHEDULES

**EVESHAM TOWNSHIP PARKS AND RECREATION
PRE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

TOWNSHIP OF EVERHAM
DUDEINGTON COUNTY
NEW JERSEY

<u>DRAWN BY :</u> BK	<u>DESIGN BY :</u> BK	<u>CHECKED BY :</u>	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> M-3.1	
<u>JOB No. :</u> 0313T276			



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1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES.
3. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, WATER HAMMER ARRESTORS, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
4. PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINES WHERE BRANCH LINES CONNECT TO MAINS.
5. DOMESTIC WATER PIPING SHALL BE SOLDERED COPPER TUBE. SEE CONTRACT SPECIFICATION SECTION 221116.
6. CONTRACTOR SHALL PROVIDE ALL CUTTING, EXCAVATION, BACKFILL AND REPAIR OF ALL FLOORS, WALLS, ETC. TO PROVIDE THE WORK. ALL FLOORS, WALLS, ETC. THAT HAVE BEEN SAWCUT/DEMOLISHED TO PROVIDE THE WORK SHALL BE REPAIRED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONSTRUCTION.
7. PROVIDE METAL ENCLOSURE AROUND INSULATED PIPING TO CONCEAL AND PROTECT ALL VERTICAL PIPING. PAINT TO MATCH WALL COLOR.
8. PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINE WHERE BRANCH LINES CONNECT TO MAINS.
9. FUEL GAS PIPING SHALL BE STEEL PIPE. PAINT ALL EXPOSED FUEL GAS PIPING (INCLUDING VENTS) IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. SEE CONTRACT SPECIFICATION SECTION 231123.
10. ALL GAS PRESSURE REGULATORS SHALL BE RATED AT THE MAXIMUM EMERGENCY PRESSURE OF 5 PSI.
11. ALL GAS PRESSURE REGULATORS SHALL BE SERVICE CLASS FUEL GAS PRESSURE REGULATORS.
12. APPROPRIATE LAYOUT OF PROPOSED PIPING IS SHOWN. CONTRACTOR TO VERIFY PIPING LAYOUT IN FIELD AND PROVIDE ALL LABOR AND MATERIALS TO AVOID INTERFERENCES. COORDINATE FINAL LAYOUT OF PIPING IN FIELD.
13. PROVIDE ALL GAS PIPING IN ACCORDANCE WITH THE 2021 INTERNATIONAL FUEL GAS CODE.

[illegible]

PLUMBING UTILITY PIPING FLOOR PLAN

**RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

<u>DRAWN BY :</u> BK	<u>DESIGN BY :</u> BK	<u>CHECKED BY :</u>	<u>SCALE :</u> AS NOTED
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<u>JOB No. :</u> 0313T276			



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[illegible]

**RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

<u>DRAWN BY :</u> BK	<u>DESIGN BY :</u> BK	<u>CHECKED BY :</u>	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> P-2.2	
<u>JOB No. :</u> 0313T276			



2. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
3. ALL INVERTS SHOWN ARE APPROXIMATE. INVERT ELEVATION BASED ON FINISHED FLOOR ELEVATION OF 0.00. COORDINATE ALL INVERTS WITH SITE DRAWINGS, SITE CONTRACTOR, AND FIELD CONDITIONS PRIOR TO INSTALLING SANITARY PIPE.
4. ALL HORIZONTAL DRAINAGE PIPING 3" INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4" INCHES THROUGH 6" IN DIAMETER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 8" INCHES AND LARGER IN DIAMETER SHALL BE SLOPED A MINIMUM OF 1/16" PER FOOT IN THE DIRECTION OF FLOW.
5. CONTRACTOR SHALL ROUTE DRAINAGE RISERS AND VENT LINES IN THE WALLS WHERE SHOWN. WHERE PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL AND FINISH TO MATCH SURROUNDING WALL. COORDINATE WALL CHASES WITH ELECTRICAL REQUIREMENTS.
6. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES. RELOCATE NEW PIPE TO ACCOMMODATE NEW DUCTWORK, EQUIPMENT, STRUCTURE, CONDUIT, ETC.
7. NOT ALL PIPE SIZES AND INLINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY PURPOSES. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL REQUIREMENTS AND DETAILS. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, FITTINGS, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.
8. SANITARY DRAINAGE AND VENT PIPING SHALL BE CAST IRON, SEE SPECIFICATION SECTION 221422 AND 221316 FOR ADDITIONAL REQUIREMENTS.

1 PLUMBING SANITARY PIPING FLOOR PLAN
SCALE: 3/16"=1'-0"



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No.	REVISION	TOWNSHIP OF EVESHAM	BURLINGTON COUNTY	NEW JERSEY

**RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

<u>DRAWN BY :</u> BK	<u>DESIGN BY :</u> BK	<u>CHECKED BY :</u>	<u>SCALE :</u> AS NOTED
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<u>JOB No. :</u> 0313T276			



1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. REFER TO PLUMBING FIXTURE SCHEDULES AND FOOD SERVICE DRAWINGS FOR FIXTURE CONNECTED SIZES.
3. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN FOR CLARITY, SEE THE PLUMBING DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
4. ALL HORIZONTAL DRAINAGE PIPING 3 INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4 INCHES THROUGH 6" IN DIAMETER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW.
5. PROVIDE ALL FLOOR DRAINS WITH DEEP SEAL TRAPS.
6. SANITARY DRAINAGE AND VENT PIPING SHALL BE CAST IRON, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND MODIFY PIPING LAYOUT AS NECESSARY TO AVOID INTERFERENCES. PROVIDE PLUMBING WORK IN ACCORDANCE WITH THE NSPC.
8. IF OFFSETS ARE REQUIRED IN VERTICAL PIPING TO AVOID INTERFERENCES, PROVIDE OFFSET USING 45° FITTINGS. 90° ELBOW FITTINGS SHALL NOT BE USED UNLESS PROVIDED IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE.



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21	Shared/Protects	POCN/003 - Burlington/Evesham Township/03131276	Evesham Parks Pole Barn/04	Design thru Contract/1	Design/01	CADD & Drawings/MEP/03131276/Sheets/P 4 - 1	Plumbing Schedules.dwg	2/11/2026 1:42:02 PM
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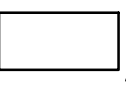
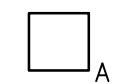
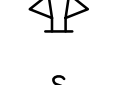
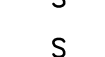
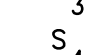
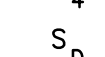
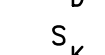
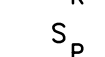
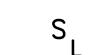
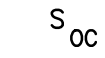
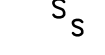
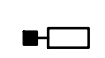
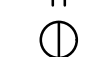
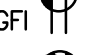
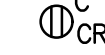
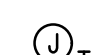
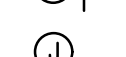
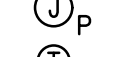
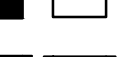
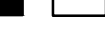
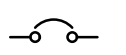
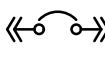
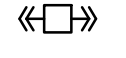
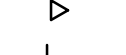
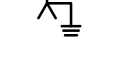
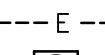
**RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

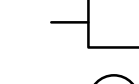
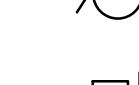
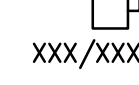
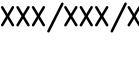
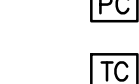
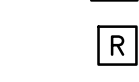
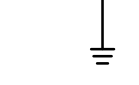
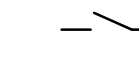
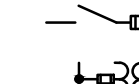
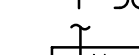
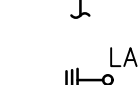
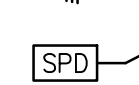
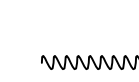
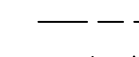
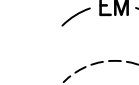
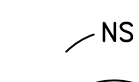
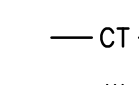
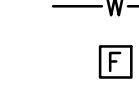
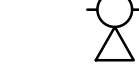
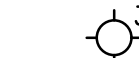
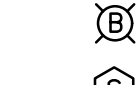
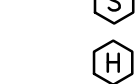
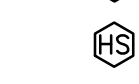
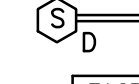
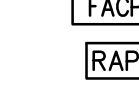
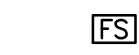
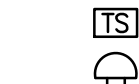
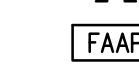
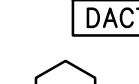
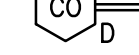
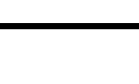
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<u>DATE:</u> 02/10/2026		<u>SHEET No.:</u> P-4.1	
<u>JOB No.:</u> 0313T276			

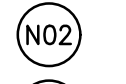
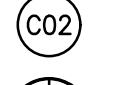
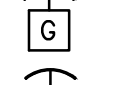
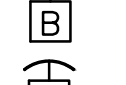
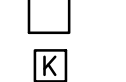
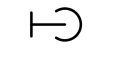
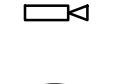
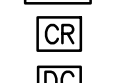
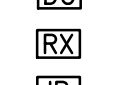
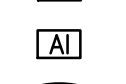
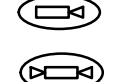
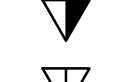
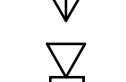
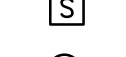
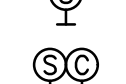
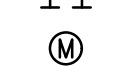
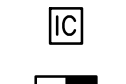
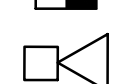
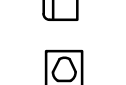
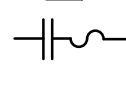
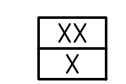
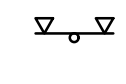
NOTES: 1. PROVIDE WITH LOW-WATER CUT-OFF, INTEGRATED CONTROL WITH LCD DISPLAY, TEMPERATURE/PRESSURE RELIEF VALVES, ALARM CONTACTS, MANUAL RESET HIGH LIMIT, POWER DIRECT VENT SYSTEM

ELECTRICAL SYMBOLS

(ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT)

	2'x4' LED LIGHT FIXTURE (A – INDICATES FIXTURE TYPE)
	2'x4' EMERGENCY LED LIGHT FIXTURE (AE – INDICATES FIXTURE TYPE)
	2'x2' LED LIGHT FIXTURE
	2'x2' EMERGENCY LED LIGHT FIXTURE
	5'x4' LED LIGHT FIXTURE
	5'x4' EMERGENCY LED LIGHT FIXTURE
	DOWNLIGHT LIGHT FIXTURE
	EMERGENCY DOWNLIGHT LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN (SHADED AREA INDICATES FACE) (ARROW INDICATES DIRECTION) (XC – WALL MOUNTED) (XW – CEILING MOUNTED)
	COMBINATION EXIT SIGN W/ DUAL REMOTE HEADS
	DUAL HEAD EMERGENCY BATTERY BACKUP
	DUAL REMOTE HEADS
	SWITCH, SINGLE POLE TOGGLE
	SWITCH, 3-WAY TOGGLE
	SWITCH, 4-WAY TOGGLE
	SWITCH, DIMMER
	SWITCH, KEY OPERATED
	SWITCH, PILOT LIGHT
	SWITCH, LOW VOLTAGE
	FRACTIONAL HP STARTER
	SWITCH, OCCUPANCY SENSOR
	HOA SELECTOR SWITCH – H – HAND O – OFF A – AUTOMATIC
	OCCUPANCY SENSOR – P – PASSIVE INFRARED (L – LOCKING COVER) U – ULTRASONIC D – DUAL TECHNOLOGY
	SITE LIGHT
	UTILITY POLE
	DAYLIGHT SENSOR
	RECEPTACLE, DUPLEX – (K – KEY LOCKING STEEL COVER) (S – SURGE PROTECTOR) (L – LOCKING COVER) (+ – MOUNT 8" ABOVE COUNTERTOP) (T – TAMPER PROOF) (U – DUPLEX WITH USB PORT)
	RECEPTACLE, QUAD
	RECEPTACLE, SINGLE
	RECEPTACLE, GFI – (WP-WEATHERPROOF IN-USE COVER)
	RECEPTACLE, EMERGENCY
	RECEPTACLE, SPECIAL (NEMA CONFIGURATION INDICATED)
	RECEPTACLE, DUPLEX FLOOR MOUNT (POKE-THRU)
	RECEPTACLE, CEILING MOUNTED, CORD REEL
	DUPLEX RECEPTACLE AND CATV RECEPTACLE
	JUNCTION BOX
	JUNCTION BOX, FLOOR MOUNTED
	JUNCTION BOX, TELEPHONE
	JUNCTION BOX, DATA
	JUNCTION BOX, TELEPHONE/DATA
	JUNCTION BOX, POWER
	ELECTRIC FLUSH VALVE TRANSFORMER JUNCTION BOX – ABOVE CEILING
	PANELBOARD – SURFACE MOUNTED
	PANELBOARD – FLUSH MOUNTED
	CIRCUIT BREAKER IN ENCLOSURE
	CIRCUIT BREAKER
	LOW VOLTAGE DRAWOUT BREAKER
	MEDIUM VOLTAGE DRAWOUT BREAKER
	DELTA CONFIGURATION
	WYE CONFIGURATION
	ELECTRICALLY INTERLOCKED
	ELECTRIC UTILITY METER
	INTERMEDIATE DISTRIBUTION FRAME
	MAIN DISTRIBUTION FRAME
	VARIABLE FREQUENCY DRIVE
	CURRENT TRANSFORMER
	TRANSFORMER
	POTENTIAL TRANSFORMER

	GENERATOR
	MV SWITCH GEAR
	GROUND ROD (10' x 3/4")
	MOTOR
	NON-FUSED DISCONNECT SWITCH – XXX/XXX/XX – INDICATES (RATED FRAME AMPS/VOLTS/# OF POLES)
	FUSED DISCONNECT SWITCH XXX/XXX/XXX/XX – INDICATES (RATED FRAME AMPS/FUSE AMPS/VOLTS/# OF POLES)
	COMBINATION STARTER/DISCONNECT SWITCH
	MAGNETIC STARTER
	KEY OPERATED CONTROL STATION
	MAGNETIC CONTACTOR
	PHOTOCELL
	TIME CLOCK SWITCH
	RELAY
	HAND DRYER
	GROUNDING ELECTRODE
	NON FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	FUSED POTENTIAL TRANSFORMER
	AUTOMATIC TRANSFER SWITCH – L – LOAD N – NORMAL POWER E – EMERGENCY POWER
	LIGHTNING ARRESTER
	SURGE PROTECTIVE DEVICE WITH DISCONNECT
	HEAT TRACE CABLING
	RESISTOR TEMPERATURE DEVICE
	EXPOSED RACEWAY
	LOW VOLTAGE WIRING
	CONDUIT CONCEALED IN WALLS OR CEILING
	EMERGENCY CIRCUIT
	CONDUIT CONCEALED IN OR UNDER FLOOR OR UNDERGROUND
	NON-SWITCHED CIRCUIT
	HOMERUN – CIRCUIT & PANEL AS INDICATED (2#12 & 1#12G, 3/4"C, UNLESS OTHERWISE NOTED)
	CONTROLLED CIRCUIT
	CABLE TRAY
	SURFACE RACEWAY, WIREMOLD
	FIRE ALARM PULL STATION
	FIRE ALARM STROBE LIGHT – (XXcd – CANDELA RATING) (WP – WEATHERPROOF)
	FIRE ALARM SPEAKER (SUBSCRIPT 'C' INDICATE CEILING MOUNTED)
	FIRE ALARM/BELL
	COMBINATION FIRE ALARM SPEAKER/STROBE – (XXcd – CANDELA RATING) (CEILING)
	FIRE ALARM CODE BLUE
	PHOTO-ELECTRIC TYPE SMOKE DETECTOR
	HEAT DETECTOR (COMBINATION FT/RR U.O.N., AC-ABOVE CEILING.)
	HEAT DETECTOR (SUBSCRIPT 'C' INDICATE CEILING MOUNTED)
	COMBINATION HEAT/SMOKE DETECTOR
	PHOTO-ELECTRIC TYPE DUCT SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	REMOTE ANNUNCIATOR PANEL
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	FIRE ALARM GONG
	FIRE ALARM ANNUNCIATION PANEL
	DIGITAL ALARM COMMUNICATOR TRANSMITTER
	CARBON MONOXIDE TYPE DUCT DETECTOR (WP – WEATHERPROOF)
	CARBON MONOXIDE DETECTOR
	PTZ CAMERA (AUDITORIUM)
	LIGHTING SYSTEM (AUDITORIUM)
	PEOPLE COUNTER SENSOR

	NITROGEN DIOXIDE DETECTOR
	CARBON DIOXIDE DETECTOR
	EMERGENCY GAS SHUTOFF
	EMERGENCY BOILER SHUTOFF
	EMERGENCY ELECTRIC SHUTOFF
	REMOTE KEY PAD
	ELECTRONIC DOOR LOCK
	MAGNETIC DOOR HOLDER
	KEY FOB
	PANIC ALARM BUTTON
	SECURITY/VIDEO CAMERA (WP – WEATHERPROOF) (PTZ – PAN, TILT, ZOOM)
	WIRELESS OCCUPANCY SENSOR
	WIRELESS RELAY SWITCH
	WIRELESS ACCESS CONTROL
	WIRELESS ACCESS POINT
	CARD READER
	ELECTRONIC DOOR CONTACT
	REQUEST TO EXIT
	INFRARED SENSOR
	MOTION SENSOR
	AIR PHONE INTERCOM SYSTEM
	CCTV CAMERA ASSEMBLY W/ DOME COVER
	DUAL CCTV CAMERA ASSEMBLY W/ DOME COVER
	SECURITY MOTION SENSOR
	VOIP OUTLET
	DATA OUTLET – (6 – # OF DROPS)
	COMBINATION VOIP AND DATA OUTLET
	SOUND SYSTEM WALL PHONE
	MASS NOTIFICATION SPEAKER
	SPEAKER – CEILING MOUNTED
	SPEAKER – WALL MOUNTED
	CLOCK/SPEAKER – WALL MOUNTED
	MICROPHONE
	SOUND VOLUME CONTROL
	INTERCOM
	CLOCK/SPEAKER BAFFLE
	HORN LOUDSPEAKER (WP – WEATHERPROOF)
	WALL MOUNTED CLOCK
	BEAM DETECTOR
	PRISM REFLECTOR
	MOTOR STARTER WITH THERMAL OVERLOAD RELAY
	INDICATES EXISTING TO BE DEMOLISHED
	DENOTES POINT OF CONNECTION OF EXISTING TO NEW
	EQUIPMENT DESIGNATION TAG
	SITE LIGHTING (MUSCO LIGHTING SYSTEM)

GENERAL NOTES

- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, THE SPECIFICATIONS FOR GROUNDING, THE CONTRACT DRAWINGS, FEDERAL, STATE AND LOCAL CODES AND TO THE SATISFACTION OF THE ENGINEER. ALL GROUNDING CONNECTIONS TO BE MADE BY THE CADDLED PROCESS OR EQUAL.
- ALL CONDUITS AND ELECTRICAL EQUIPMENT ARE SHOWN DIAGRAMMATICALLY AND MAY BE ALTERED TO SUIT FIELD CONDITIONS PENDING ENGINEER'S APPROVAL.
- ALL PLANS ELEVATIONS AND CLEARANCES SHALL BE CHECKED IN THE FIELD PRIOR TO INSTALLATION TO AVOID ALL OBSTRUCTIONS.
- ALL JUNCTION BOXES SHALL BE OF SUFFICIENT SIZE TO PROVIDE FREE SPACE FOR ALL CONDUCTORS ENCLOSED IN THE BOX AND SHALL BE SIZED WITH THE LATEST N.E.C. ARTICLE 314.
- ALL DIMENSIONS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- CONTRACTOR SHALL CHECK FOR OBSTRUCTIONS AND CLEAN OUT ALL CONDUITS PRIOR TO PULLING IN CABLES.
- PHASING OF ALL ELECTRICAL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE MADE IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY REQUIREMENTS.
- ALL HOLES THROUGH STRUCTURE TO ACCOMMODATE ELECTRICAL CONDUITS SHALL BE CORE DRILLED AND SEALED WITH NON-SHRINK GROUTING COMPOUND. WHERE RACEWAYS PASS THROUGH FLOORS AND FIRE RATED WALLS AND/OR PARTITIONS, CONTRACTOR SHALL FURNISH UL RATED FIREPROOFING MATERIAL TO BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND RESTORE ORIGINAL FIRE RATING.
- CONTRACTOR SHALL FURNISH STRUCTURAL SUPPORT FOR ALL EQUIPMENT. FOR SURFACE MOUNTED EQUIPMENT, SUCH AS PANELBOARDS, STARTERS, SAFETY SWITCHES AND THE LIKE, PROVIDE "UNISTRUT" WITH CORROSION RESISTANT MOUNTING HARDWARE.
- NO CONDUIT SMALLER THAN 3/4" SHALL BE USED UNLESS OTHERWISE SPECIFIED.
- ALL JOINTS BETWEEN DISSIMILAR METALS SHALL BE COATED WITH A LITHIUM BASED THREAD LUBRICANT.
- RACEWAYS SHALL BE PROVIDED WITH AN APPROVED EXPANSION-DEFLECTION FITTINGS WHERE CROSSING BUILDING CONSTRUCTION EXPANSION JOINTS AND WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION.
- FURNISH AND INSTALL CONCRETE PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
- PRIOR TO SUBMITTING PROPOSALS, BIDDERS ARE INSTRUCTED TO REVIEW PLANS AND SPECIFICATIONS OF ALL CONCURRENT WORK TO DETERMINE QUANTITIES OF LABOR AND MATERIAL NECESSARY TO INSTALL, CONNECT, AND TEST MATERIAL FURNISHED UNDER THESE SPECIFICATIONS. LATELY ADDITIONAL LABOR AND MATERIAL REQUIRED DUE TO FAILURE OF THE CONTRACTOR TO FOLLOW THESE INSTRUCTIONS, SHALL BE FURNISHED AT NO ADDITIONAL COST TO THE OWNER.

ABBREVIATIONS

%	PERCENT
&	AND
°	DEGREES
° F	FAHRENHEIT DEGREES
1/C	SINGLE CONDUCTOR
A.I.C.	AMPERES INTERRUPTING CAPACITY
A.T.C.	AUTOMATIC TEMPERATURE CONTROL
A.T.S.	AUTOMATIC TRANSFER SWITCH
A/C	AIR CONDITION
AC	ALTERNATING CURRENT
ADOL.	ADDITIONAL
AF	AMPERE FRAME
A-F	AMPERE FUSE
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF/A.F.F.	ABOVE FINISHED FLOOR
AFG/A.F.G.	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMP., A.	AMPERE
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
AT	AMPERE TRIP
ASY.	ASYMMETRICAL
AUX.	AUXILIARY
B.F.C.	BELOW FINISHED CEILING
BKR.	BREAKER
BLDG.	BUILDING
BMT.	BASEMENT
C/C	CONDUIT
C OF U/CFU	COEFFICIENT OF UTILIZATION
C.T., CT	CURRENT TRANSFORMER
CB, CIR. BKR., C/B	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CL.	CLOSET
CLG.	CEILING
CO./Co.	COMPANY
COAX.	COAXIAL CABLE
COL.	COLUMN
COMP.	COMPLETE
CONC.	CONCRETE
CONDR.	CONDUCTOR
CONN	CONNECTED, CONNECTOR
CONST.	CONSTRUCTION
CONT.	CONTINUATION
CONTR.	CONTRACTOR
COORD.	COORDINATE
CORR.	CORRIDOR
CPU	CENTRAL PROCESSING UNIT
Cu	COPPER
CU.	CONDENSING UNIT
CU. FT.	CUBIC FEET
CW	CLOCKWISE
D	DEPTH
DEM	DEMAND
DIA.	DIAMETER
DISC.	DISCONNECT SWITCH
DIV.	DIVISION
DN.	DOWN
DPST	DOUBLE POLE SINGLE THROW
DRAW., DWG.	DRAWING
E.C.	ELECTRICAL CONTRACTOR
E.F., EF	EXHAUST FAN
E.H.	ELECTRIC HEATER
E.P.R.	ETHYLENE PROPYLENE RUBBER
E.W.	EACH WAY
EACH	EACH
EHT	ELECTRICAL HEAT TRACING CABLE
ELEC. CLO.	ELECTRICAL CLOSET
ELEC./ELECT.	ELECTRIC
ELEV./EL.	ELEVATION/ELEVATOR
EM	EMERGENCY POWER PACK COMPLETE
EMT	ELECTRICAL METALLIC TUBING
ENCL.	ENCLOSURE
ENT.	ENTRANCE
EMERG.	EMERGENCY
EQUIP.	EQUIPMENT
EST.	ESTIMATE
EXIST.	EXISTING
EXT.	EXTERNAL/EXTERIOR
E.O.	ELECTRICALLY OPERATED
F.A.	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
F.E.	FIRE EXTINGUISHER
F.O.	FIBER OPTIC
FDN.	FOUNDATION
FIG.	FIGURE
FIN.	FINISH/FINISHED
FXT.	FIXTURE
FL.	FLOOR
FLA	FULL LOAD AMPERES
FLEX.	FLEXIBLE
F.L.M.C.	FLEXIBLE LIQUIDTIGHT METALLIC CONDUIT
FLUOR.	FLUORESCENT
FC	FOOTCANDLE
FT	FAULT TRIP
FT.	FEET

FU.	FUSE/FUSED
-----	------------

SCALE: 1"=10'



1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL RE-ADDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
3. PROVIDE NEW LIGHT FIXTURES WITH EMERGENCY BATTERY AS SHOWN ON LIGHTING SCHEDULE. CONTRACTOR SHALL PROVIDE ADDITIONAL HOT CONDUCTORS FOR EMERGENCY BATTERY AS REQUIRED.
4. PROVIDE LOW-VOLTAGE WIRING IN ACCORDANCE TO LIGHTING CONTROL DETAIL ON SHEET E-7.1 ELECTRICAL DETAILS AND SCHEDULES.
5. TIME CLOCK SHALL CONTROL EXTERIOR LIGHTING FIXTURES. (TC1:INTERMATIC MODEL ET2745CP OR APPROVED EQUIV.)

[illegible]



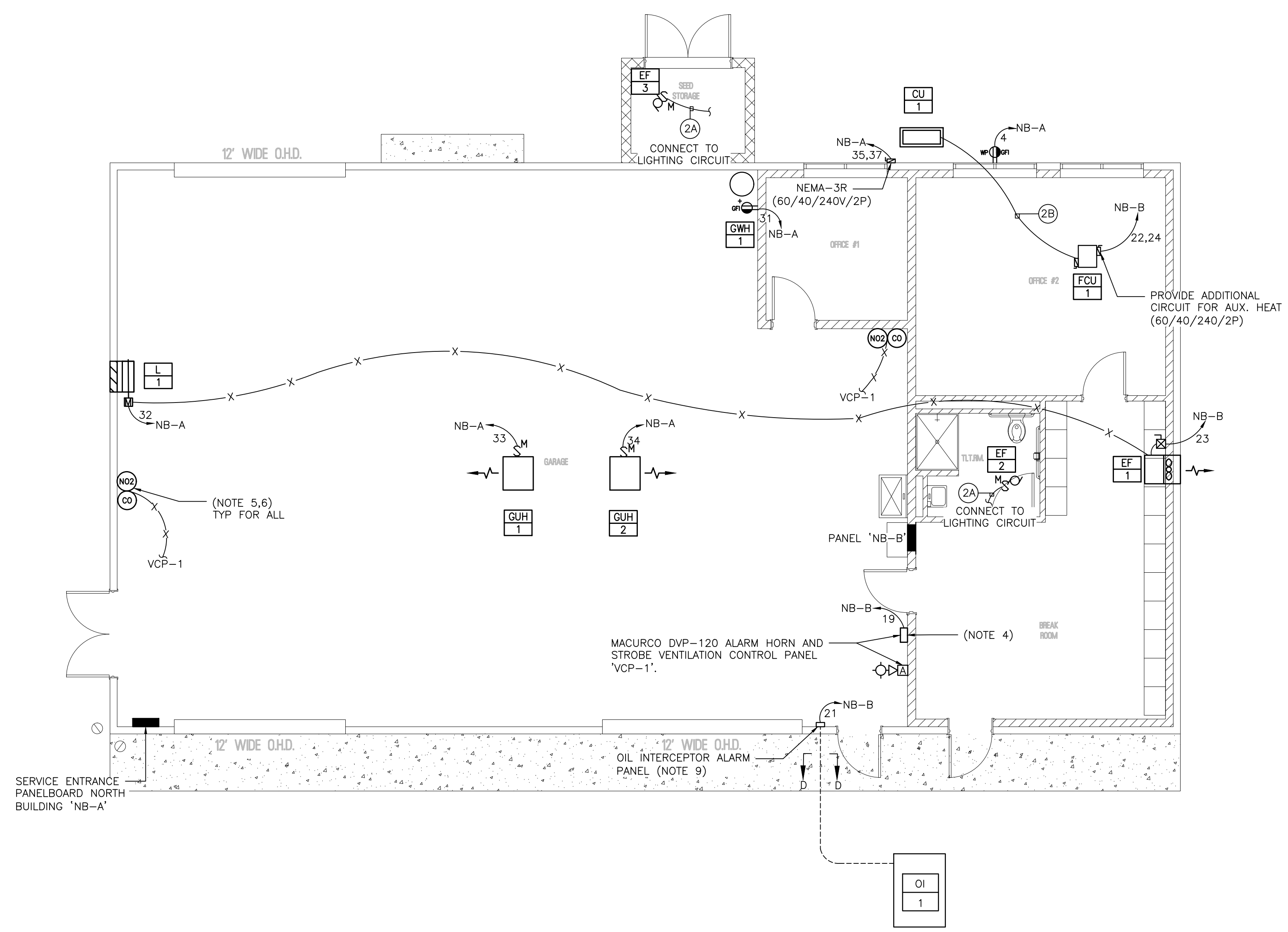
DATE: 02-10-2026
KAVAN R. SMITH
NJ PROFESSIONAL ENGINEER LIC. No. 5675

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[illegible]

ELECTRICAL HVAC POWER FLOOR PLAN

<u>DRAWN BY :</u> MB	<u>DESIGN BY :</u> MB	<u>CHECKED BY :</u> KS	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> E-3.1	
<u>JOB No. :</u> 0313T276			



1 ELECTRICAL HVAC POWER FLOOR PLAN
SCALE: 3/16"=1'-0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOW DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE COMPLETED IN THE EXISTING LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
3. COORDINATE EXACT LOCATION OF FUSED DISCONNECT SWITCH OR MOTOR RATED SWITCH WITH MANUFACTURER PRIOR TO FINAL ROUGH-IN. COORDINATE WITH HVAC CONTROLS CONTRACTOR FOR LOW-VOLTAGE.
4. MACURCO DV-120 VENTILATION CONTROL PANEL, INTERLOCK WITH EF-1 AND L-1, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF PANEL.
5. CARBON MONOXIDE DETECTOR AND NITROGEN DIOXIDE DETECTOR, REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND ADDITIONAL INFORMATION ON DETECTORS.
6. ALL LOW VOLTAGE CABLES SHALL BE RUN WITH SEPARATE CONDUIT AWAY FROM LARGE INDUCTIVE LOADS TO PREVENT ELECTROMAGNETIC INTERFERENCE (EMI). COORDINATE WITH HVAC CONTROLS CONTRACTOR.
7. MOUNT HAZARDOUS GAS COMBINATION HORN AND STROBE ABOVE CONTROL PANEL. PROVIDE 2#14AWG AND 1#14AWG GROUND TO HORN/STROBE FROM CONTROL PANEL 24VD DRIVERS.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH HVAC CONTROLS CONTRACTOR ON MOTORIZED DAMPER INTERCONNECTION REQUIREMENTS WITH EXHAUST FANS.
9. REFER TO ELECTRICAL DETAIL SHEET FOR ADDITIONAL INFORMATION.



DATE: 02-10-2026
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[illegible]

**EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX**

<u>DRAWN BY :</u> MB	<u>DESIGN BY :</u> MB	<u>CHECKED BY :</u> KS	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> E-3.2	
<u>JOB No. :</u> 0313T276			



1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE EXISTING SITE CONDITIONS. INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION, SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE EXISTING CONDITIONS, THE CONTRACTOR SHALL LOCATE AND IDENTIFY THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF GARAGE EQUIPMENT PRIOR TO ROUGH INSTALLATION.



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ED	TOWNSHIP OF EVESHAAM	BURLINGTON COUNTY	NEW JERSEY	No.	REVISION
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EVESHAM TOWNSHIP PARKS AND RECREATION

RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX

<u>DRAWN BY:</u> MB	<u>DESIGN BY:</u> MB	<u>CHECKED BY:</u> KS	<u>SCALE:</u> AS NOTED
<u>DATE:</u> 02/10/2026		<u>SHEET No.:</u> E-4.1	
<u>JOB No.:</u> 0313T276			

PANEL: NB-A (NORTH BUILDING A)

VOLTAGE: 120/240V, 1ø, 3W+G					X		MCB 400/2P (NOTE 3)		POLES: 42		AIC RATING: 42,000					
MAIN BUS: 400A					MLO				MTG: SURFACE MOUNTED		LOCATION: GARAGE					
CKT #	CIRCUIT	BREAKER	BRANCH CIRCUIT	DESCRIPTION	KVA PER PHASE		REMARKS	REMARKS	KVA PER PHASE		BRANCH CIRCUIT	CIRCUIT BREAKER	CKT #			
					A	B			A	B						
1	20	1	2A	EXTERIOR LIGHTING	0.56		NORTH SIDE		1.20		FIRE ALARM PANEL	2A	1	20	2	
3	20	1	2A	EXTERIOR LIGHTING		0.46	SOUTH SIDE	EXTERIOR		0.18	CONVENIENCE RECEPTACLE	2A	1	20	4	
5	20	1	2A	GENERAL LIGHTING	0.84		GARAGE/SEED ROOM	CORD REEL	0.18		GENERAL RECEPTACLE	2A	1	20	6	
7	30	2	3B	SURGE PROTECTION DEVICE		0.01		CORD REEL	0.18		GENERAL RECEPTACLE	2A	1	20	8	
9					0.01			CORD REEL	0.18		GENERAL RECEPTACLE	2A	1	20	10	
11	20	1	2A	GENERAL RECEPTACLE		0.18	GARAGE	CORD REEL	0.18		GENERAL RECEPTACLE	2A	1	20	12	
13	20	1	2A	GENERAL RECEPTACLE	0.18		GARAGE	GARAGE	0.36		GENERAL RECEPTACLES	2A	1	20	14	
15	20	1	2A	GENERAL RECEPTACLES		0.36	GARAGE	GARAGE	0.18		GENERAL RECEPTACLES	2A	1	20	16	
17	20	1		SPARE			GARAGE	GARAGE	0.36		GENERAL RECEPTACLES	2A	1	20	18	
19	20	1		SPARE							SPARE		1	20	20	
21	20	1		SPARE							SPARE		1	20	22	
23	20	2	3B	BATTERY CHARGER		0.72	(NOTE 1)				SPARE		1	20	24	
25					0.72			GARAGE	1.20		POWER WASHER	2A	1	20	26	
27	50	2	5B	WELDER		4.80	(NOTE 1)	(NOTE 1)		2.40	AIR COMPRESSOR	3B	2	30	28	
29					4.80					2.40					30	
31	20	1	2A	GHW-1		0.60	GARAGE	GARAGE	0.10		MOTORIZED DAMPER	2A	1	20	32	
33	20	1	2A	CUH-1	0.76		GARAGE	GARAGE	0.77		CUH-2	2A	1	20	34	
35	40	2	4B	CU-1/FCU-1		3.48		BREAKROOM		6.80	PANEL NB-B	10B	2	100	36	
37										5.88					38	
39	30	2	(*)	EX. SEWER PUMP STATION			(NOTE 4)	(NOTE 3)		4.80	EX. PANEL SB	6B	2	60	40	
41										4.80					42	
					11.35	10.61			17.33	14.82						
					225		TOTAL CONNECTED LOAD (AMPS)				TOTAL CONNECTED LOAD (kVA)		54.10			
NOTES: 1. PROVIDE 600 CIRCUIT BREAKER																
2. PROVIDE SERVICE ENTRANCE RATED PANELBOARD																
3. PROVIDE BI-DIRECTIONAL CIRCUIT BREAKER LISTED FOR SOLAR PV SYSTEMS																
4. (*) = REFER TO DUCT-BANK DETAIL FOR BRANCH CIRCUIT REQUIREMENTS																

PANEL: NB-B (NORTH BUILDING B)

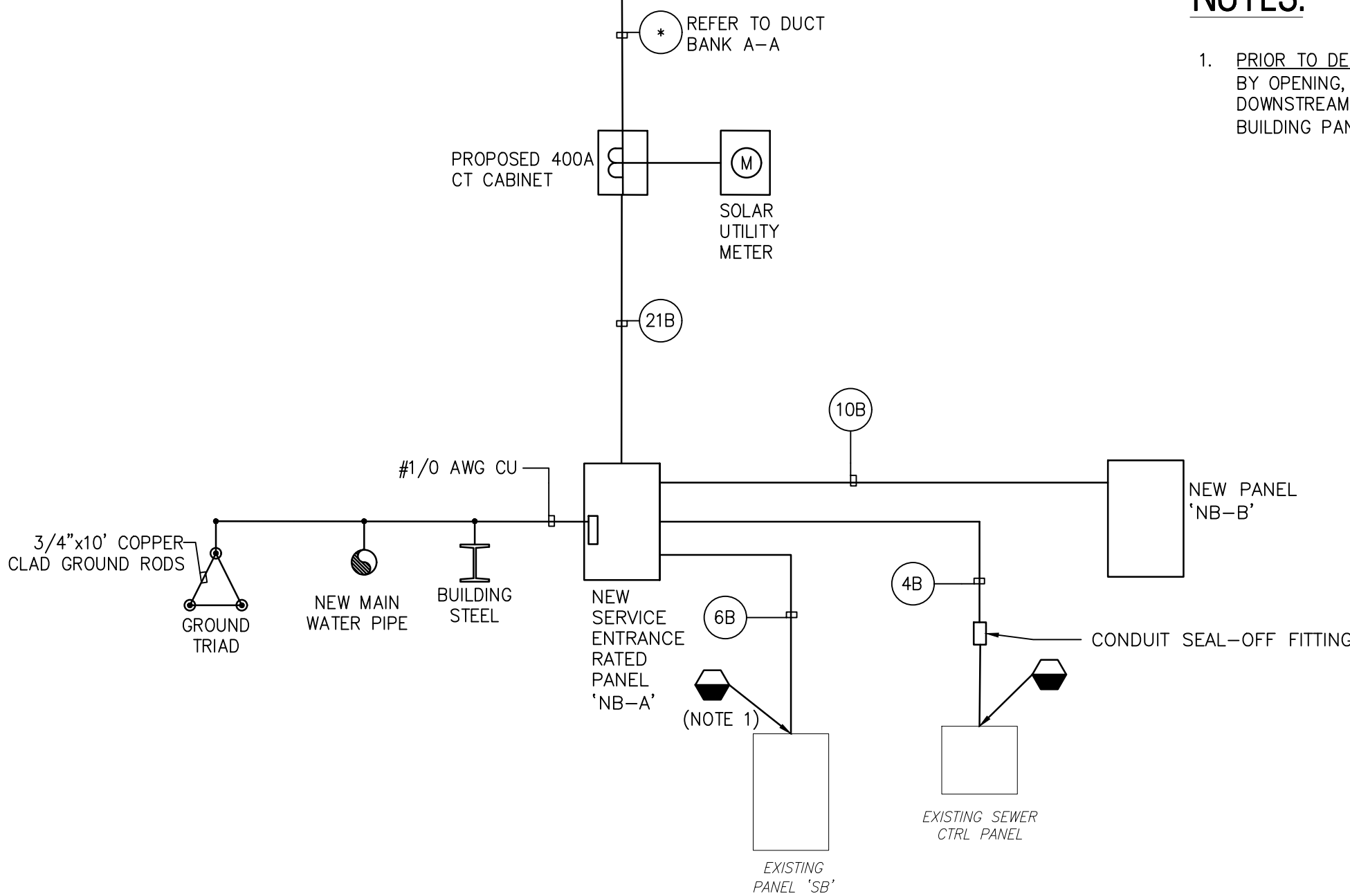
VOLTAGE: 120/208V, 1ø, 3W+G					X		MCB 100/2P		POLES: 24					AIC RATING: 22,000							
MAIN BUS: 100A					MLO							MTG: FLUSH MOUNTED					LOCATION: BREAK ROOM				
CKT #	CIRCUIT	BREAKER	BRANCH CIRCUIT	DESCRIPTION	kVA PER PHASE		REMARKS	REMARKS	kVA PER PHASE		DESCRIPTION	BRANCH CIRCUIT	CIRCUIT BREAKER	CKT #							
					A	B			A	B											
1	20	1	2A	GENERAL LIGHTING/EF-2	0.66		OFFICES/BREAK ROOM	BREAK ROOM	0.72		GENERAL RECEPTACLES	2A	1	20	2						
3	20	1	2A	IT CABINET		0.12	OFFICE #1	BREAK ROOM	0.54		GENERAL RECEPTACLES	2A	1	20	4						
5	20	1		SPARE				OFFICE #2	0.72		GENERAL RECEPTACLES	2A	1	20	6						
7	20	1		SPARE				OFFICE #2		0.54	GENERAL RECEPTACLES	2A	1	20	8						
9	20	1		SPARE				OFFICE #1	0.72		GENERAL RECEPTACLES	2A	1	20	10						
11	20	1		SPARE							SPARE		1	20	12						
13				SPACE							SPACE				14						
15				SPACE							SPACE				16						
17				SPACE							SPACE				18						
19	20	1	2A	MACURCO CTRL PANEL		0.50	GARAGE				SPACE				20						
21	20	1	2A	OIL INTERCEPT. CTRL PANEL	0.50		GARAGE	FCU-1	3.48		ELECTRIC HEAT KIT	4B	2	40	22						
23	15	1	2A	EF-1		0.70	BREAK ROOM			3.48					24						
					1.16	1.32			5.64	4.56											
					61		TOTAL CONNECTED LOAD (AMPS)				TOTAL CONNECTED LOAD (kVA)		12.68								
NOTES: 1																					
2																					

LIGHT FIXTURE SCHEDULE

TYPE	STYLE	MOUNTING	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	REMARKS
A	HIGH BAY, 12000 LUMENS	SURFACE	LSI INDUSTRIES, INC	ALI4-2LEDHE-12L-CA-W-UNV-40-SMK	LED 70 WATT	UNV	
AE	HIGH BAY, 12000 LUMENS	SURFACE	LSI INDUSTRIES, INC	ALI4-2LEDHE-12L-CA-W-UNV-40-EM20-SMK	LED 70 WATT	UNV	PROVIDE FIXTURE WITH 90MIN. BATTERY BACKUP
B	2X4 TROFFER, FIELD LUMENS SET TO HIGH	RECESSED	COLUMBIA LIGHTING	LCAT24-LSCS	LED 47 WATT	UNV	
BE	2X4 TROFFER, FIELD LUMENS SET TO HIGH	RECESSED	COLUMBIA LIGHTING	LCAT24-LSCS-ELL14	LED 47 WATT	UNV	PROVIDE FIXTURE WITH 90MIN. BATTERY BACKUP
C	6" ROUND CYLINDER	PENDANT	Intense	GC6DR-L8-35-D101-WF-X-X-X	LED 43 WATT	UNV	
W1	WALL PACK SMALL OVER DOORS	WALL	EXO	LNC-5LU-4K-3-CC	LED 13 WATT	UNV	VIA TIME CLOCK
W2E	WALLPACK LARGE	WALL	EXO	LNC2-48L-10-4K7-4W-UNV-DBT-EH	LED 10.6 WATT	UNV	PROVIDE FIXTURE WITH 90MIN. BATTERY BACKUP VIA TIME CLOCK
XC	EXIT SIGN	CEILING	EMERGI-LITE	ELX400RN-AD-BATTERY	LED 2.5 WATT	UNV	EXIT SIGN IS INTERCONNECTED WITH REMOTE HEADS AND 90MIN. EMERGENCY BATTERY BACK-UP
XE	EMERGENCY DISCHARGE EGRESS HEADS	WALL	EMERGI-LITE	EF12D-LED	LED 3 WATT	3.6V-12V	REMOTE HEADS ARE INTERCONNECTED WITH EXIT SIGN

NEW 400A, 120/240V, 1P3W (PSE&G) ELECTRIC UTILITY SERVICE

(EXISTING PSE&G UTILITY POLE #62606)



1 ELECTRICAL SINGLE LINE DIAGRAM
SCALE: N.T.S.

NOTES:

- PRIOR TO DEMOLITION: CONTRACTOR SHALL COMPLETELY DE-ENERGIZE SOLAR PV SYSTEM BY OPENING, LOCKING AND TAGGING (LOTO) ALL DISCONNECTING MEANS UPSTREAM, DOWNSTREAM, AND AT INVERTER TO ENSURE NO RESIDUAL CURRENT IS ON SOUTH BUILDING PANEL 'SB' DURING DEMOLITION AND CONSTRUCTION.



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Certification of Authorization: 24 GA 28003300
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DATE:
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NJ PROFESSIONAL ENGINEER LIC. NO. 47542

DATE: 02-10-2026
KAVAN R. SMITH
NJ PROFESSIONAL ENGINEER LIC. NO. 56794

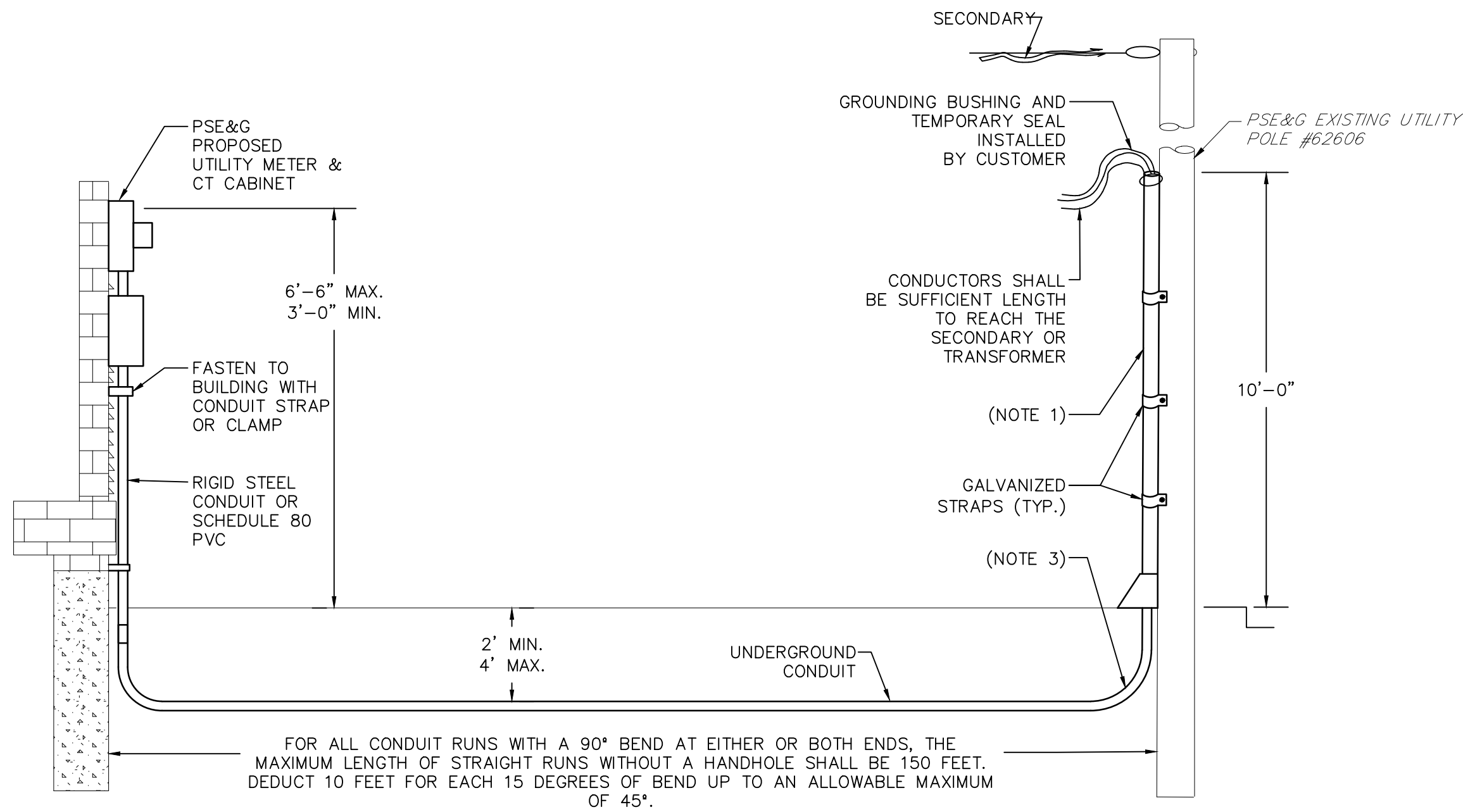
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ELECTRICAL SCHEDULES AND DETAILS

EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX
TOWNSHIP OF EVESHAM BURLINGTON COUNTY NEW JERSEY

DRAWN BY: MB DESIGN BY: MB CHECKED BY: KS SCALE: AS NOTED
DATE: 02/10/2026 SHEET No.: E-5.1
JOB No.: 03131276

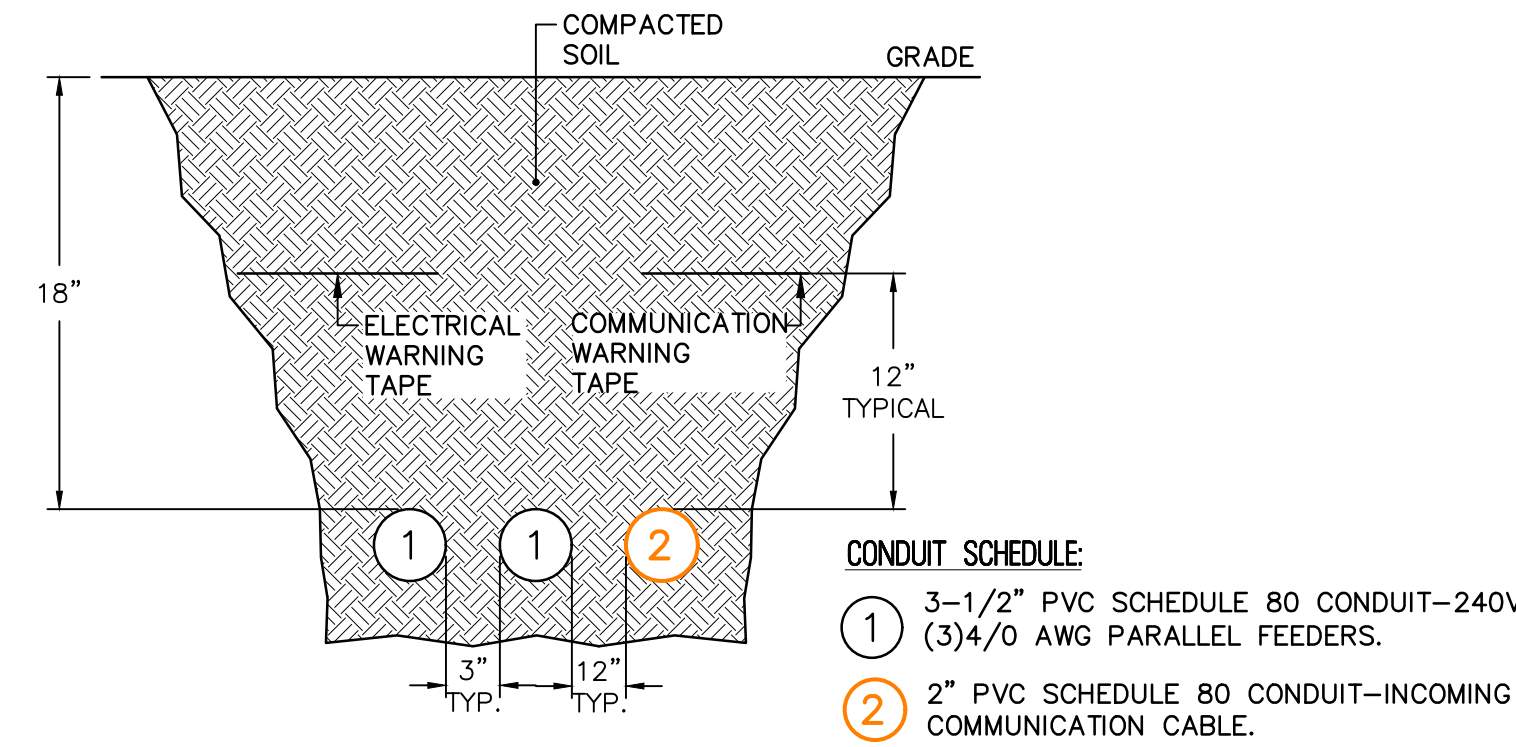


NOTES:

1. RISER CONDUIT SHALL BE GALVANIZED STEEL OR SCHEDULE 80 ELECTRICAL GRADE PVC.
2. ALL CONDUIT INSTALLATIONS SHALL BE INSPECTED BY A RECOGNIZED ELECTRICAL INSPECTION AUTHORITY AND PSE&G BEFORE BACKFILLING.
3. UNDERGROUND SERVICE RUNS NOT ENCASED IN RED DYE CONCRETE SHALL HAVE THEIR LOCATION IDENTIFIED BY A RED WARNING RIBBON THAT SHALL BE PLACED IN THE TRENCH AT LEAST 12 INCHES ABOVE THE UNDERGROUND INSTALLATION. THIS RIBBON SHALL BE OF THE "DETECTABLE" TYPE, BE AT LEAST 3 INCHES WIDE, AND SHALL STATE "CAUTION BURIED ELECTRIC LINE BELOW" (IDEAL 42-201 OR SIMILAR PRODUCT). TAPE SHALL BE VISIBLE AT EXIT POINTS OF THE SERVICE FROM THE GROUND, WHERE APPLICABLE.

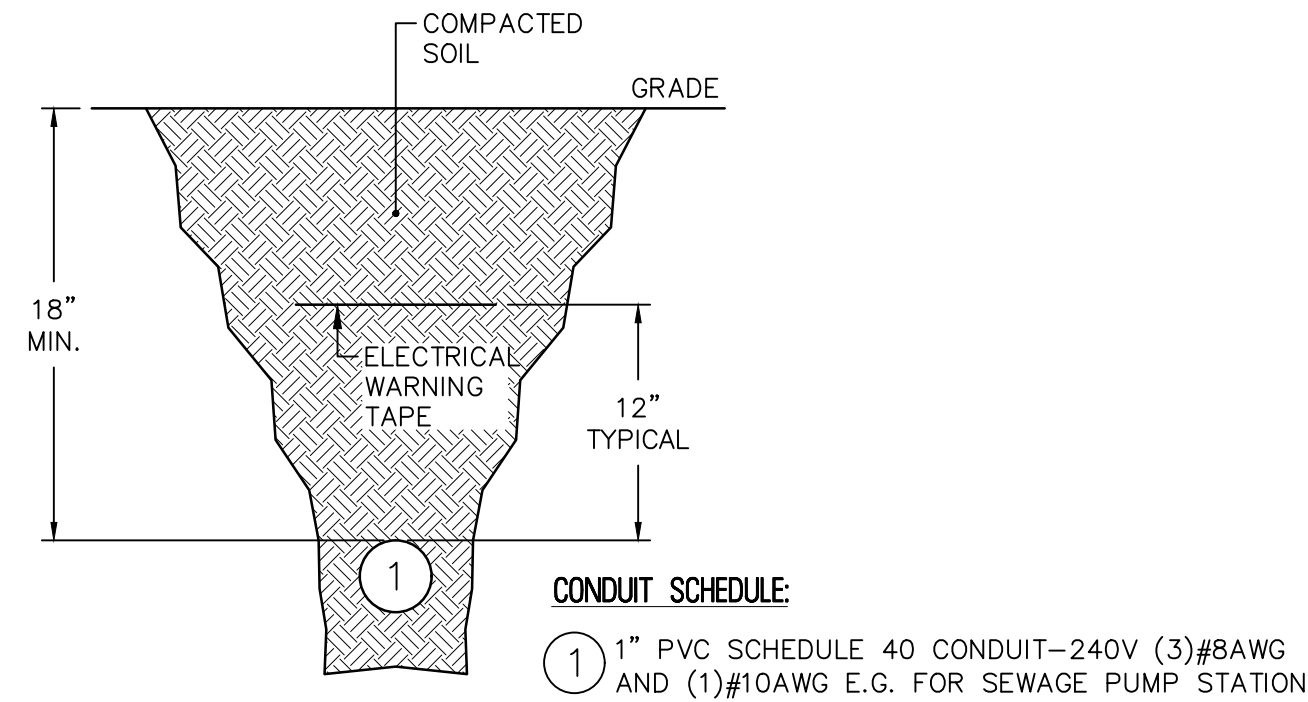
1 ELECTRICAL SERVICE LATERAL DETAIL

SCALE: N.T.S.



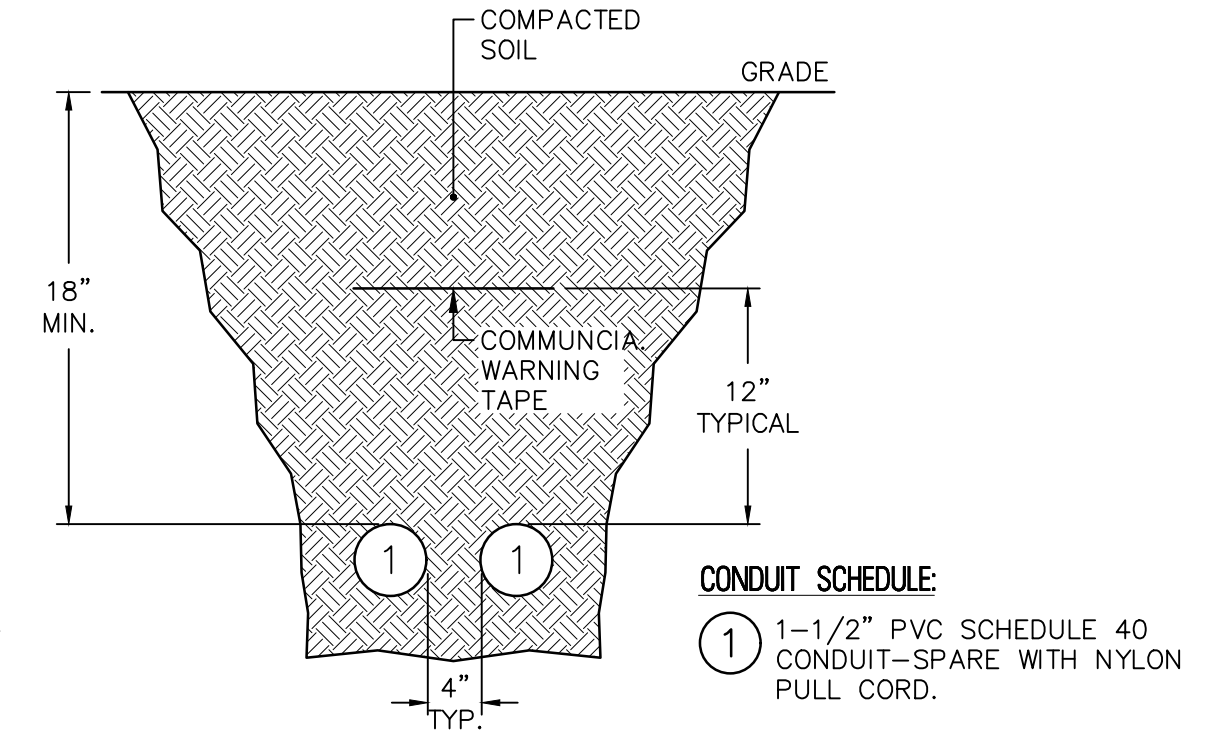
2 DUCT BANK DETAIL A-A

SCALE: N.T.S.



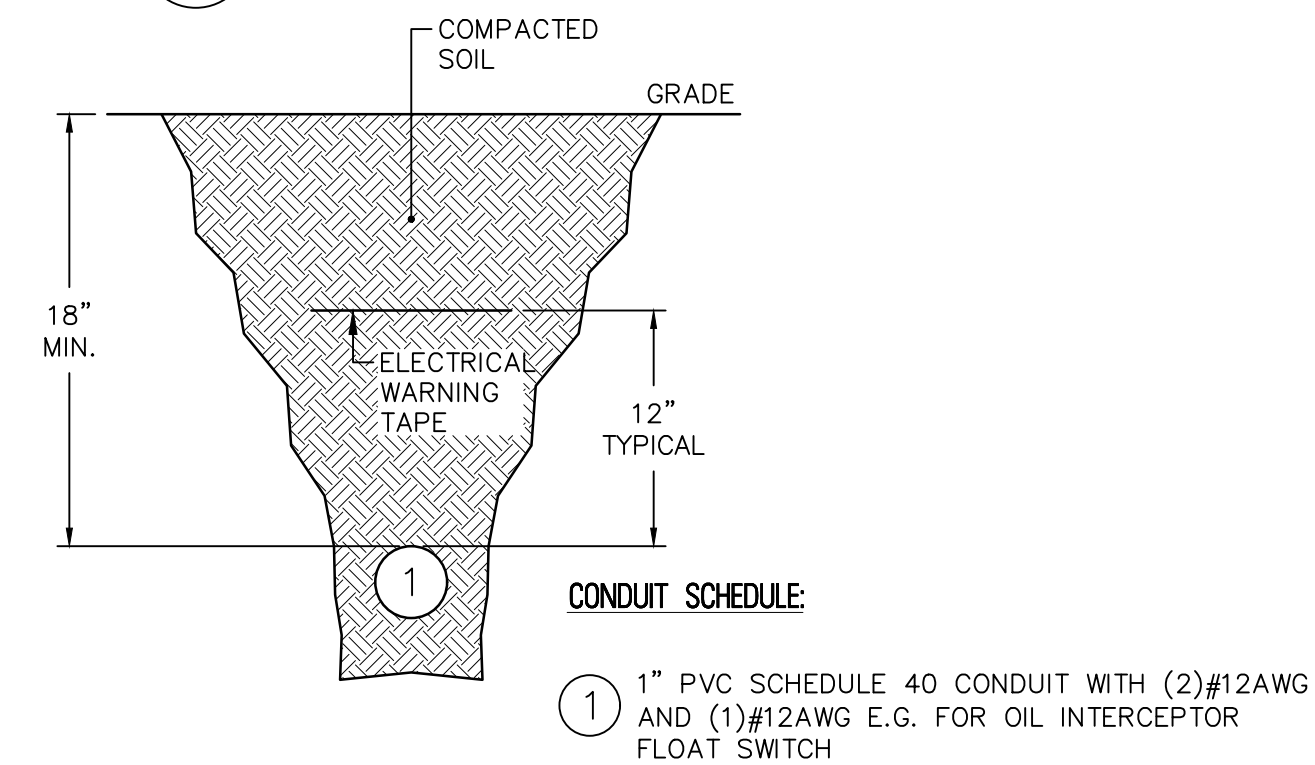
4 DUCT BANK DETAIL B-B

SCALE: N.T.S.



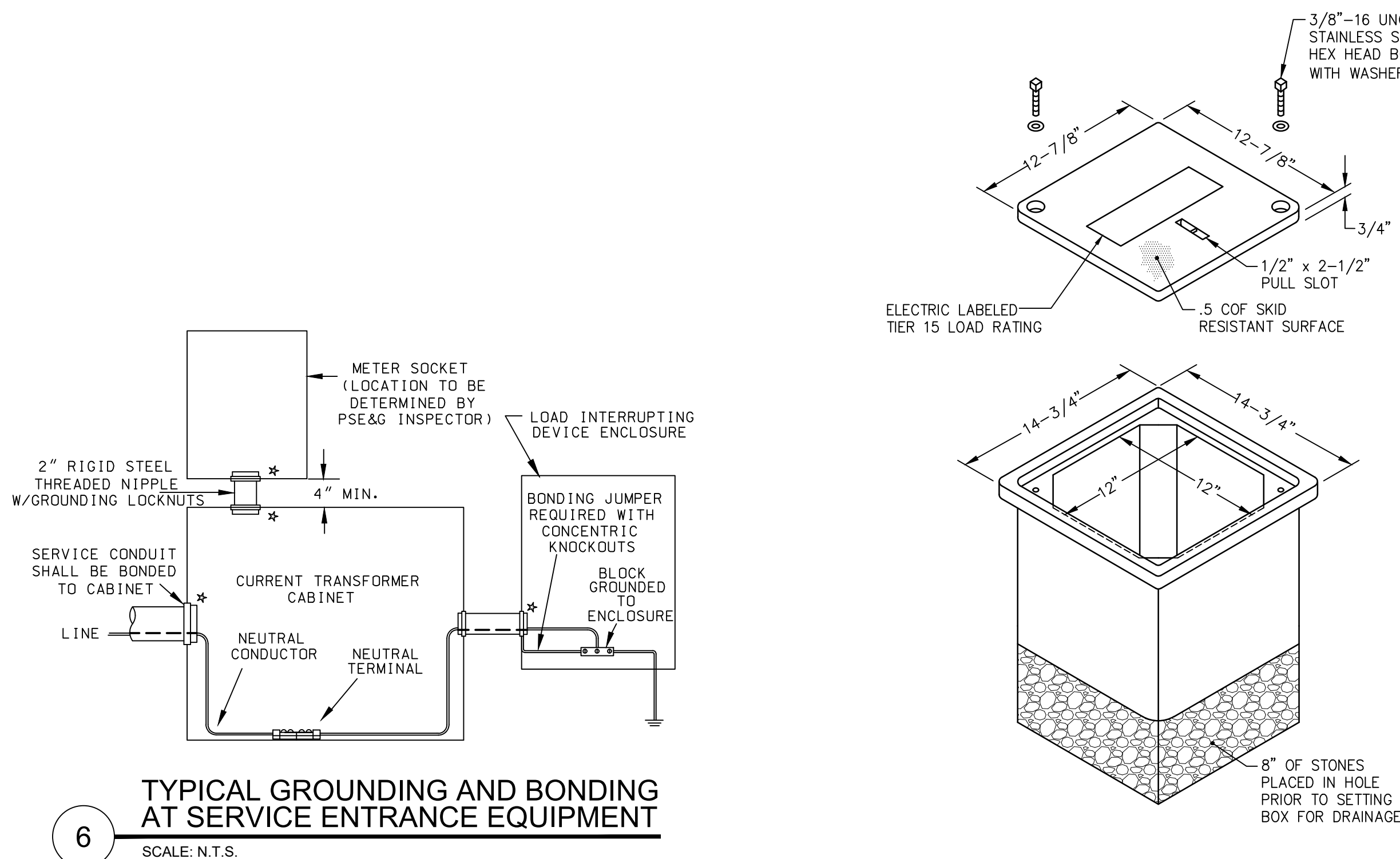
3 DUCT BANK DETAIL C-C

SCALE: N.T.S.



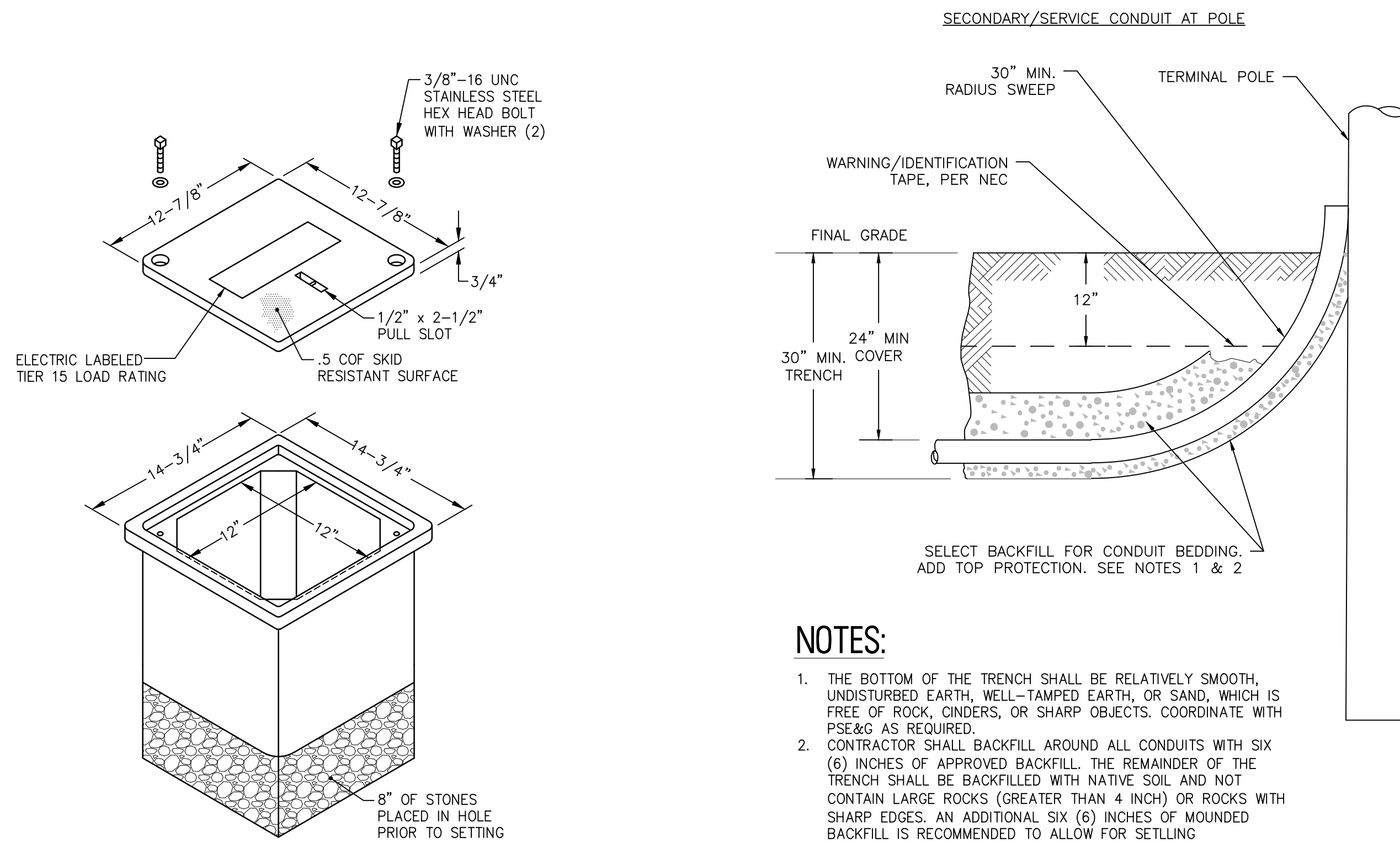
5 DUCT BANK DETAIL D-D

SCALE: N.T.S.



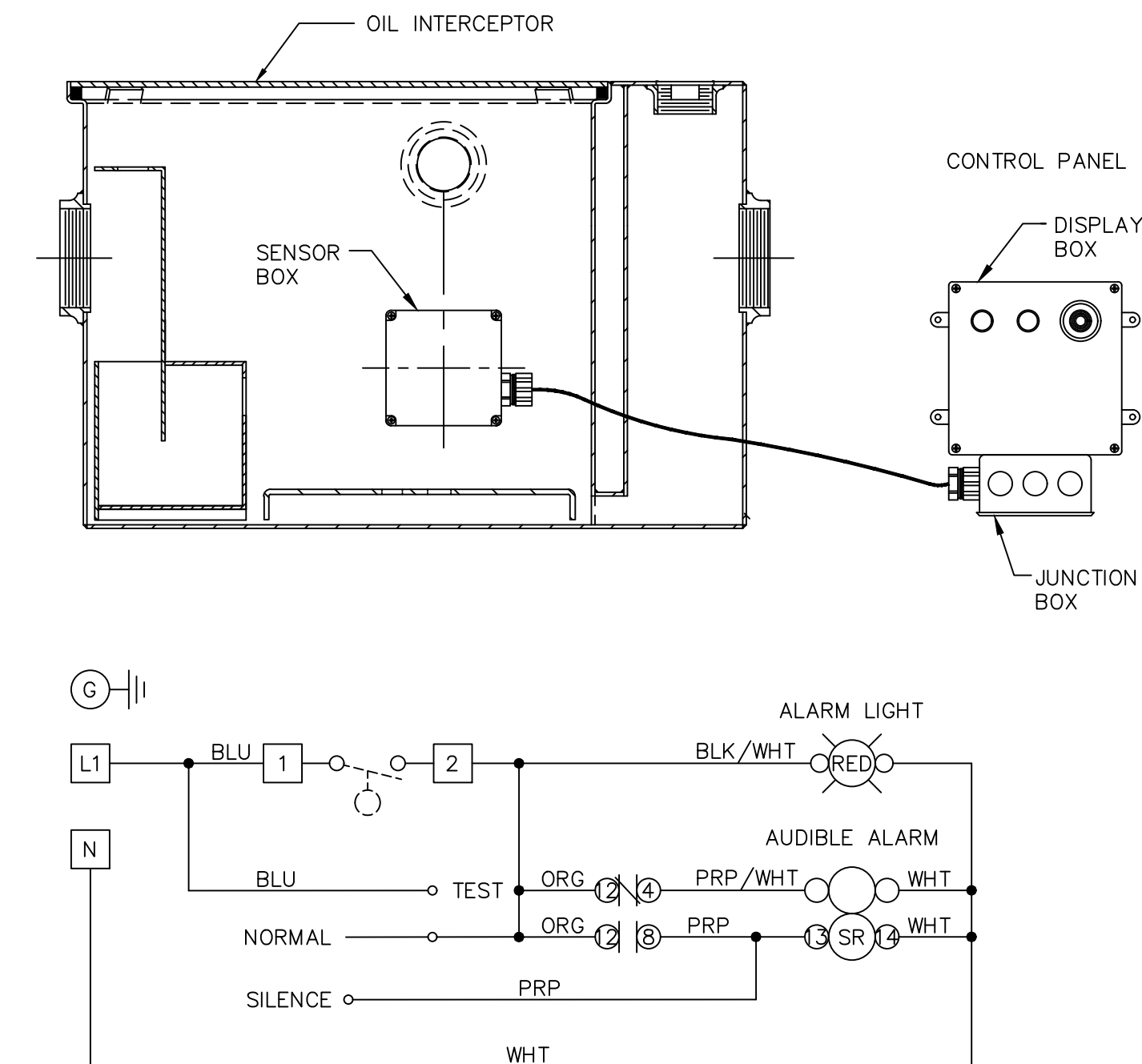
6 TYPICAL GROUNDING AND BONDING AT SERVICE ENTRANCE EQUIPMENT

SCALE: N.T.S.



8 TYPICAL TRENCHING DETAIL FOR SERVICE LATERAL

SCALE: N.T.S.



9 OIL INTERCEPTOR CONTROL PANEL

SCALE: N.T.S.

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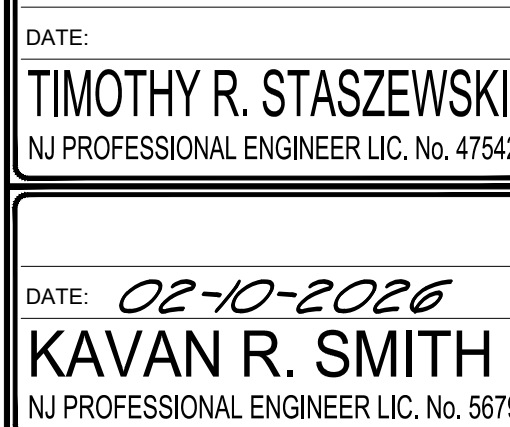
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ELECTRICAL DIAGRAMS AND DETAILS

EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX
TOWNSHIP OF EVESHAM
BURLINGTON COUNTY
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
MB	MB	KS	AS NOTED
DATE:			
02/10/2026			
JOB No.:			
03131276			
			E-6.1



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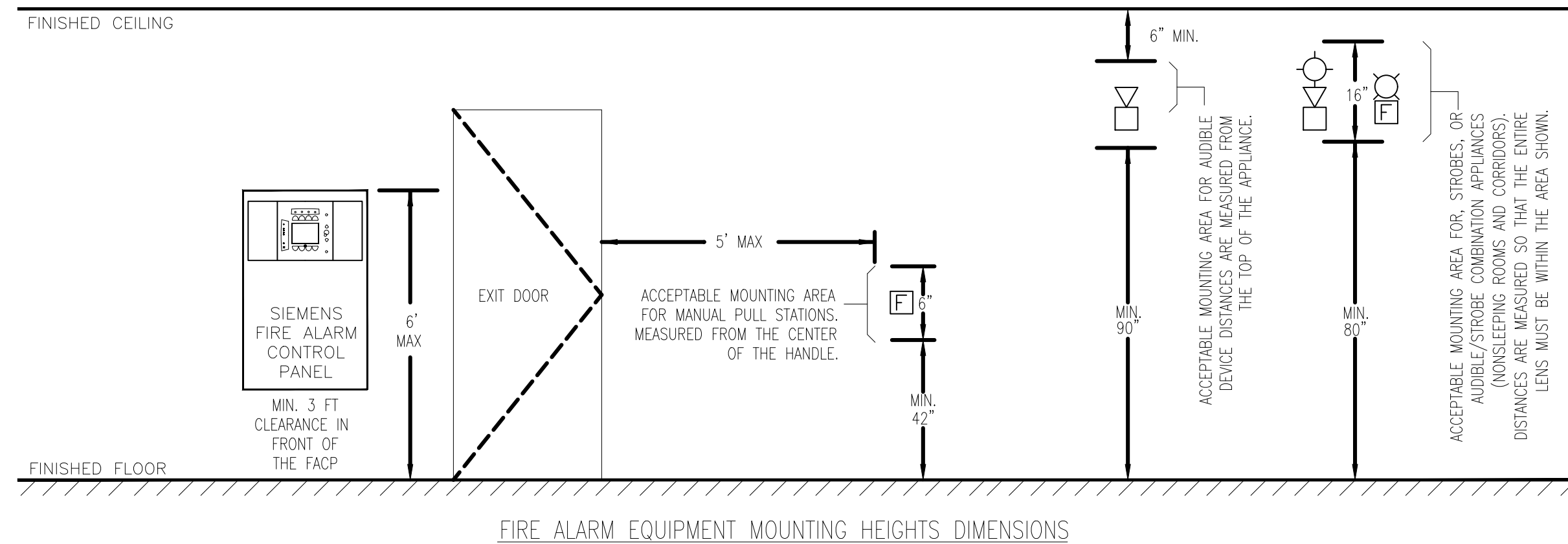
EVESHAM TOWNSHIP PARKS AND RECREATION
RE-BID - POLE BARN GARAGE IMPROVEMENTS
AT MEMORIAL SPORTS COMPLEX

<u>DRAWN BY :</u> MB	<u>DESIGN BY :</u> MB	<u>CHECKED BY :</u> KS	<u>SCALE :</u> AS NOTED
<u>DATE :</u> 02/10/2026		<u>SHEET No. :</u> E-7.1	
<u>JOB No. :</u> 0313T276			

THE DOCUMENTATION CABINET SHALL BE SIZED SO THAT IT CAN CONTAIN THE FOLLOWING DOCUMENTATION:

- SITE-SPECIFIC SOFTWARE
- OWNER'S MANUAL
- AS-BUILT PLANS AND SYSTEM CALCULATIONS

THE BUILDING OWNER OR THE BUILDING OWNER'S REPRESENTATIVE SHALL, ON AN ANNUAL BASIS, REVIEW ANY ELECTRONIC DOCUMENTATION MEDIA FORMATS AND ASSOCIATED INTERFACING HARDWARE FOR COMPATIBILITY AND UPDATE IF NECESSARY.



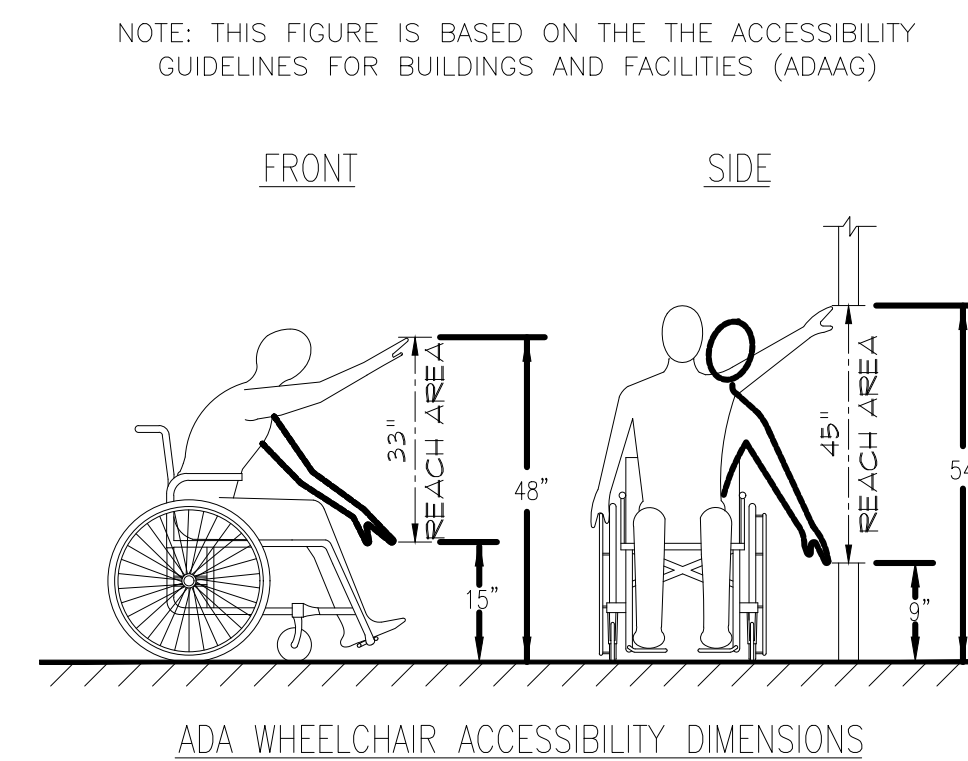
MANUAL PULL STATION MOUNTING HEIGHT REFERENCES

CODE	MINIMUM	MAXIMUM
NFPA-72	39"	54"
IBC	42"	48"
ADAAG	—	¹ 48"

[†] THE MOST RESTRICTIVE FRONT REACH DISTANCE

HARMONIZED FIRE ALARM EQUIPMENT MOUNTING DISTANCE REQUIREMENTS – IBC/ADA/NFPA/ANSI

NOT TO SCALE—FOR INSTALLER'S REFERENCE



TYPICAL FIRE ALARM EQUIPMENT MOUNTING NOTES:

- THESE MOUNTING DIMENSIONS COMPLY WITH THE FOLLOWING:
- NFPA 72 CHAPTER 5 & 7
 - CABO/ANSI A117.1
 - IBC CHAPTER 9
 - ADA PARAGRAPH 4.2.5 & 4.2.6
 - THE ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS & FACILITIES (ADAAG)

FOR LOW CEILINGS WHERE THE PRESCRIBED MOUNTING HEIGHTS FOR THE SIGNALING APPLIANCES CAN NOT BE MET, INSTALL THE APPLIANCE 6" FROM THE CEILING.

ALL DEVICE & APPLIANCE HEIGHTS SHOULD BE CONSISTENT FOR THE ENTIRE PROJECT.

FOR COMBINATION AUDIO/ VISUAL APPLIANCES, THE STROBE PLACEMENT TAKES PRECEDENCE.

SPECIAL ADA/HEARING IMPAIRED SLEEPING AREAS NOTIFICATION NOTES:

A VISUAL APPLIANCE USED TO AWAKEN A SLEEPING, HEARING IMPAIRED PERSON SHALL BE PERMANENTLY INSTALLED AND LOCATED 16 FEET MAXIMUM FROM THE PILLOW OR "HEAD OF THE BED" LOCATION, MEASURED HORIZONTALLY. WALL MOUNTED APPLIANCES LOCATED AT LEAST 24 INCHES BELOW THE CEILING SHALL HAVE A MINIMUM EFFECTIVE INTENSITY OF 110 CANDELA. CEILING MOUNTED APPLIANCES AND WALL MOUNTED APPLIANCES LOCATED LESS THAN 24 INCHES BELOW THE CEILING ARE TO HAVE A MINIMUM EFFECTIVE INTENSITY OF 177 CANDELA.

IF A SUITE CONTAINS MORE THAN ONE BEDROOM, A STROBE APPLIANCE SHALL BE PROVIDED IN EACH SLEEPING AREA. LOCATE ADDITIONAL STROBE LIGHTS IN ANY LIVED-IN ROOM WHERE HEARING IMPAIRED INDIVIDUALS WOULD NEED TO BE NOTIFIED OF AN ALARM. THE CANDELA IN THESE AREAS ARE SIZED PER STANDARD NFPA 72 ROOM SPACING REQUIREMENTS.

	ALARM SIGNAL	TRouble SIGNAL	SUPERSEDED SIGNAL	ANNUNCIATE @ RACP	ANNUNCIATE @ BA	OR SITE SIGNAL SENT TO SUPERVISING STATION FOR LOCALIZATION LOCALIZATION TECHNICAL 1-2		
MANUAL PULL STATION	●			●	●	●		
AREA DETECTOR (SMOKE, OR HEAT)	●			●	●	●		
FACP, NAC BOOSTER OR DACT FAULT		●		●	●	●		
SLC/NAC EQUIPMENT OR CIRCUIT FAULT		●		●	●	●		
SLC/NAC OPEN—CIRCUIT		●		●	●	●		
CARBON MONOXIDE DETECTOR			●	●	●	●	●	

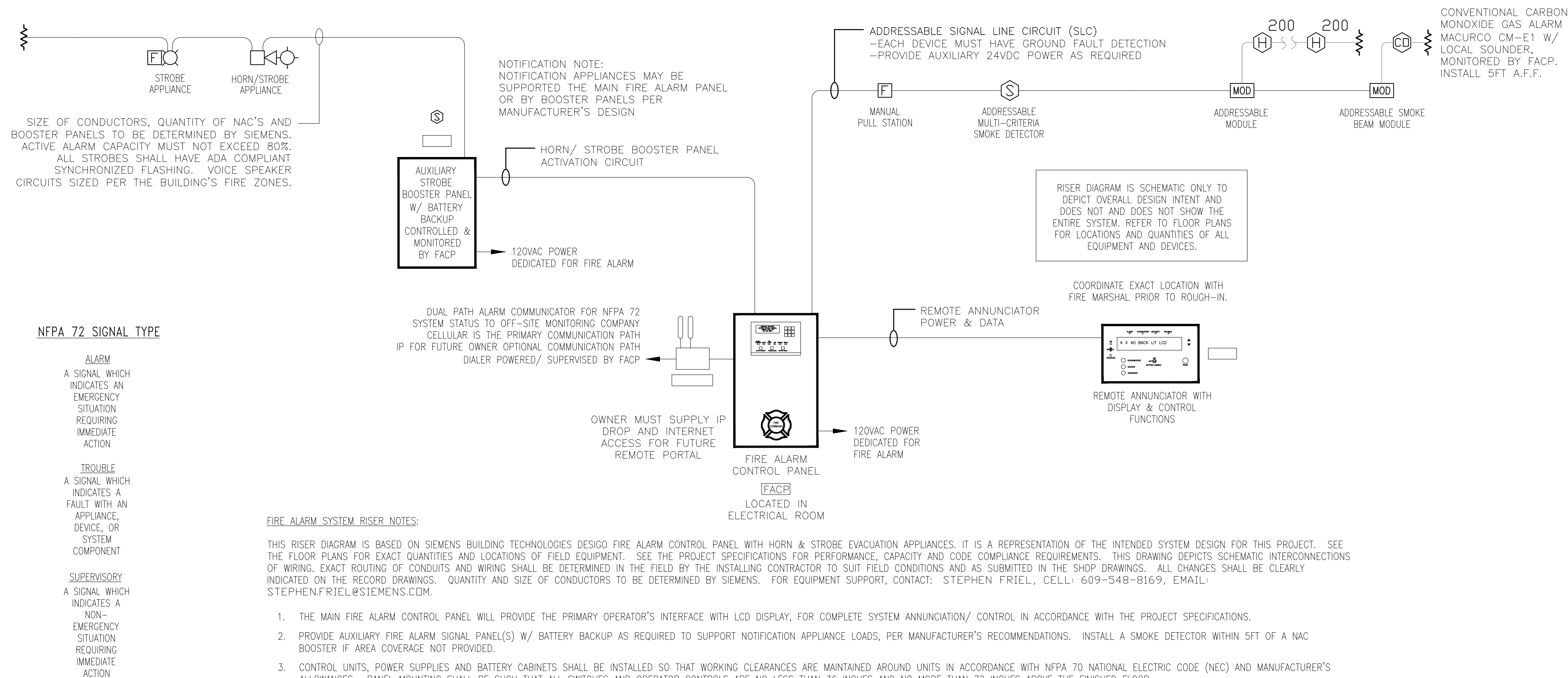
FIRE ALARM SYSTEM OPERATION NOTES:

1. THIS NFPA 72 OPERATIONAL MATRIX IS BASED ON A SIEMENS FIRE ALARM SYSTEM. THE CONTRACTOR SHALL SUBMIT A COMPREHENSIVE SEQUENCE OF OPERATIONS INCLUDED WITH THE INSTALLATION SHOP DRAWINGS.
2. THIS BUILDING IS NOT PROTECTED BY AUTOMATIC FIRE SPRINKLERS
4. IN NORMAL STANDBY OPERATION, A GREEN POWER ON LED SHOULD BE ILLUMINATED ON THE FACP. THE LCD DISPLAY WILL SHOW THE SYSTEM STATUS AS "NORMAL" ANNOUNCEMENT AND THE CURRENT DATE, DAY, AND TIME.
5. ALL SYSTEM STATUS CONDITIONS SHALL BE MIRRORRED AT REMOTE ANNUNCIATOR(S), AS PROVIDED.
6. LOW FREQUENCY 520HZ AUDIBLE NOTIFICATION TONES SHALL BE USED IN ALL SLEEPING ROOMS AND RESIDENTIAL UNITS.
7. CARBON MONOXIDE DETECTORS SHALL INITIATE A GENERAL ALARM IF REQUIRED BY THE AHJ.
8. ALL ADDRESSABLE DETECTORS, MANUAL PULLS, MONITORING MODULES AND REMOTE LAMPS SHALL PROVIDE VISIBLE INDICATION FOR STATUS:
 - 8.1. NORMAL: GREEN, LED FLASHES
 - 8.2. ALARM: RED, LED FLASHES
 - 8.3. TROUBLE: AMBER, LED FLASHES

FIRE ALARM SEQUENCE OF OPERATIONS MATRIX

EVESHAM POLE BARN GARAGE NON-VOICE FIRE ALARM RISER DIAGRAM

NOT SCALE



FIRE ALARM SYSTEM RISER NOTES:

THIS RISER DIAGRAM IS BASED ON SIEMENS BUILDING TECHNOLOGIES DESIGN FIRE ALARM CONTROL PANEL WITH HORN & STROBE EVACUATION APPLIANCES. IT IS A REPRESENTATION OF THE INTENDED SYSTEM DESIGN FOR THIS PROJECT. SEE THE FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF FIELD EQUIPMENT. SEE THE PROJECT SPECIFICATIONS FOR PERFORMANCE, CAPACITY AND CODE COMPLIANCE REQUIREMENTS. THIS DRAWING DEPICTS SCHEMATIC INTERCONNECTIONS OF WIRING, EXACT ROUTING OF CONDUITS AND WIRING SHALL BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT FIELD CONDITIONS AND AS SUBMITTED IN THE SHOP DRAWINGS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS. QUANTITY AND SIZE OF CONDUCTORS TO BE DETERMINED BY SIEMENS. FOR EQUIPMENT SUPPORT, CONTACT: STEPHEN FRIEL, CELL: 609-548-8169, EMAIL: STEPHEN.FRIEL@SIEMENS.COM

1. THE MAIN FIRE ALARM CONTROL PANEL WILL PROVIDE THE PRIMARY OPERATOR'S INTERFACE WITH LCD DISPLAY, FOR COMPLETE SYSTEM ANNUNCIATION/ CONTROL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2. PROVIDE AUXILIARY FIRE ALARM SIGNAL PANEL(S) W/ BATTERY BACKUP AS REQUIRED TO SUPPORT NOTIFICATION APPLIANCE LOADS, PER MANUFACTURER'S RECOMMENDATIONS. INSTALL A SMOKE DETECTOR WITHIN 5FT OF A NAC BOOSTER IF AREA COVERAGE NOT PROVIDED.
3. CONTROL UNITS, POWER SUPPLIES AND BATTERY CABINETS SHALL BE INSTALLED SO THAT WORKING CLEARANCES ARE MAINTAINED AROUND UNITS IN ACCORDANCE WITH NFPA 70 NATIONAL ELECTRIC CODE (NEC) AND MANUFACTURER'S ALLOWANCES. PANEL MOUNTING SHALL BE SUCH THAT ALL SWITCHES AND OPERATOR CONTROLS ARE NO LESS THAN 36 INCHES AND NO MORE THAN 72 INCHES ABOVE THE FINISHED FLOOR.
4. WIRING SHALL BE INSTALLED SO THAT EQUIPMENT CAN BE SERVICED OR REMOVED WITHOUT DISCONNECTING OR MOVING UNRELATED CIRCUITS. ALL WIRING WITHIN CONTROL UNITS, JUNCTION BOXES, AND TERMINAL CABINETS SHALL BE NEATLY TRIMMED, DRESSED, LABELED, AND INSTALLED IN GUTTERS OR CHANNELS. SEE SPECIFICATIONS FOR MAXIMUM ALLOWABLE CIRCUIT LOADING AND WIRE SIZE REQUIREMENTS. COORDINATE FINAL CIRCUIT QUANTITIES, AND CABLE TYPES WITH THE SYSTEM SUPPLIER'S SHOP DRAWINGS.
5. CONNECT PRIMARY 120VAC POWER TO 20A/1P CIRCUIT BREAKER DEDICATED FOR FIRE ALARM. SECONDARY POWER BATTERY BACKUP (STANDBY & ALARM) SHALL BE SIZED PER NFPA 72 REQUIREMENTS.
6. PANEL NETWORK WIRING, INCLUDING DATA COMMUNICATIONS AND AUDIO COMMUNICATIONS, SHALL BE WIRED CLASS X (FORMER CLASS A, STYLE 7) WITH SEPARATE OUTGOING AND RETURN LOOPS.
7. ADDRESSABLE DEVICE SLC'S SHALL BE NFPA 72 CLASS B. PROVIDE PROTECTED GROUND FAULT ISOLATION DETECTION BETWEEN EACH ADDRESSABLE DEVICE FOR ENHANCED SURVIVABILITY AND REDUCED TROUBLE SHOOTING TIME.
8. NOTIFICATION APPLIANCE NAC'S SHALL BE NFPA 72 CLASS B. INDIVIDUALLY ISOLATED SO THAT A SINGLE WIRING FAULT WILL NOT EFFECT THE OPERATION OF CIRCUIT(S) SERVING ANY OTHER FLOOR OR EVACUATION SIGNALING ZONE.
9. STROBE CANDELAS SETTINGS MUST BE SIZED PER NFPA 72 REQUIREMENTS BY THE FIRE ALARM VENDOR AND SHOWN ON THE SHOP DRAWINGS.
10. A COMPLETE SET FOR FIRE ALARM PRODUCT CUTSHEETS, FIRE ALARM INSTALLATION SHOP DRAWINGS, AND BATTERY/ VOLTAGE/ LOAD CALCULATIONS MUST BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION.
11. THE OFF-SITE COMMUNICATOR SHALL PROVIDE GENERAL (ALARM/ TROUBLE/ SUPERVISORY) AND ABILITY FOR CONTACT/ GROUPED EVENT ID REPORTING FROM THE FIRE ALARM CONTROL PANEL (FACP) TO A CENTRAL OR REMOVE RECEIVING STATION. IT SHALL OFFER THREE SELECTABLE REPORTING PATHS WHICH INCLUDE: CELLULAR ONLY, IP ONLY, OR IP PRIMARY/CELLULAR BACKUP. FOR THIS PROJECT, UTILIZE CELLULAR COMMUNICATIONS AS THE PRIMARY MEANS OF COMMUNICATION, PER NFPA 72 REQUIREMENTS. IP COMMUNICATIONS FOR OWNER SELECTED/PROVIDED FUTURE OPTION. THE COMMUNICATOR SHALL RECEIVE ITS POWER AND SUPERVISION FROM THE FACP AND BE SUPPLIED WITH A LOCAL CELLULAR ANTENNA. WHEN THE MINIMUM CELLULAR SIGNAL STRENGTH PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS CANNOT BE MET, PROVIDE AN EXTERNAL ANTENNA LOCATED AND INSTALLED PER FIELD CONDITIONS, WITH THE OWNERS APPROVAL.
12. COORDINATE EXACT DEVICE LOCATIONS AND BACKBOX/MOUNTING REQUIREMENTS WITH THE ARCHITECTURAL ELEVATIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE SYSTEM SUPPLIER'S SHOP DRAWINGS, AND THE WORK OF RELATED TRADES. INSTALL ALL CEILING-MOUNTED EQUIPMENT IN THE CENTER OF A LAY-IN TILE.

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DATE: TIMOTHY R. STASZEWSKI NJ PROFESSIONAL ENGINEER LIC. No. 47542			
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FIRE ALARM RISER DIAGRAMS		EVESHAM TOWNSHIP PARKS AND RECREATION	
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