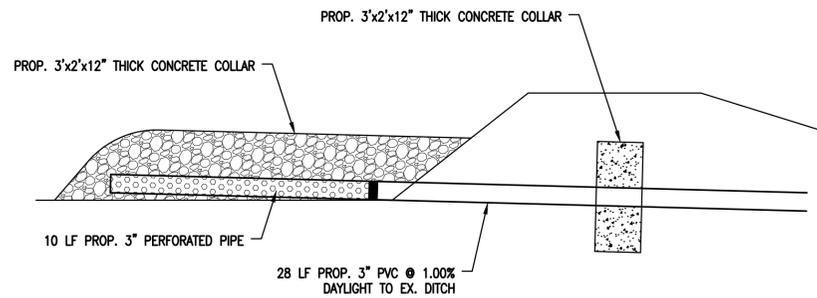


VICINITY MAP

1" = 1000'

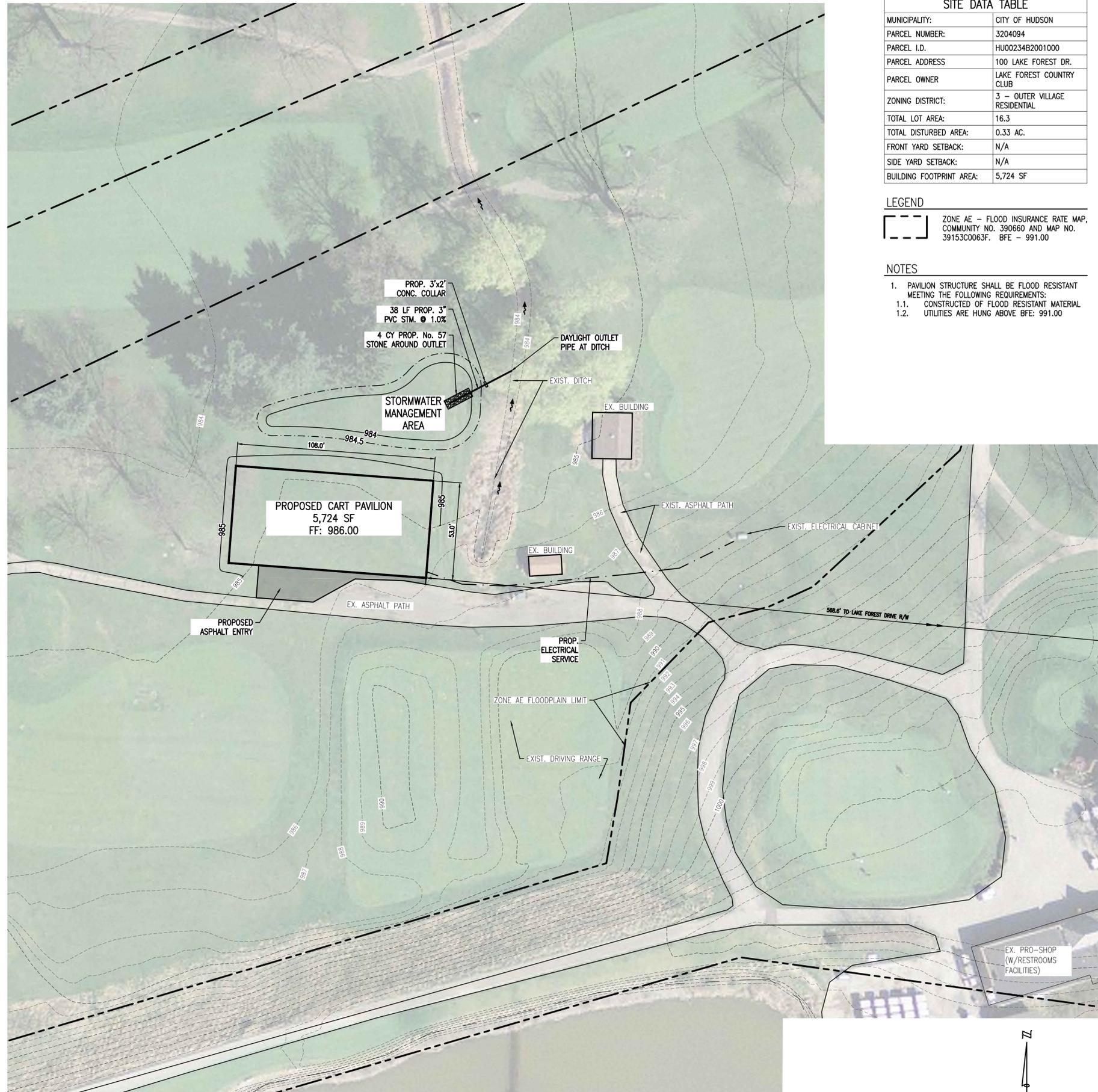
LATITUDE: N 41°15'11" LONGITUDE: W 81°28'22"



STORMWATER OUTLET DETAILS

OWNER: FOREST COUNTRY CLUB
CONTACT: ERNEST D. ROMA
100 LAKE FOREST DRIVE
HUDSON, OH 44236
330-656-3800

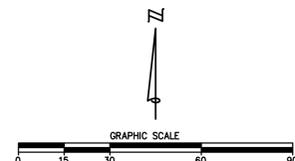
ENGINEER: OHM ADVISORS, INC.
CONTACT: SCOTT BICKLEY, P.E.
6555 CARNEGIE AVENUE, SUITE 201
CLEVELAND, OHIO 44103
216-865-1339
SCOTT.BICKLEY@OHM-ADVISORS.COM



SITE DATA TABLE	
MUNICIPALITY:	CITY OF HUDSON
PARCEL NUMBER:	3204094
PARCEL I.D.:	HU00234B2001000
PARCEL ADDRESS:	100 LAKE FOREST DR.
PARCEL OWNER:	LAKE FOREST COUNTRY CLUB
ZONING DISTRICT:	3 - OUTER VILLAGE RESIDENTIAL
TOTAL LOT AREA:	16.3
TOTAL DISTURBED AREA:	0.33 AC.
FRONT YARD SETBACK:	N/A
SIDE YARD SETBACK:	N/A
BUILDING FOOTPRINT AREA:	5,724 SF

LEGEND
 [Symbol] ZONE AE - FLOOD INSURANCE RATE MAP, COMMUNITY NO. 390660 AND MAP NO. 39153C0063F. BFE - 991.00

- NOTES
- PAVILION STRUCTURE SHALL BE FLOOD RESISTANT MEETING THE FOLLOWING REQUIREMENTS:
 - CONSTRUCTED OF FLOOD RESISTANT MATERIAL
 - UTILITIES ARE HUNG ABOVE BFE: 991.00



DRAWING PATH: P:\3000_3498\3087180010_Golf_Cart_Storage_Facility\Drawings\Civil\Xref\Civil\ForestCountryClub_Base.dwg Jun 13, 2018 - 9:58am



ARCHITECTS ENGINEERS PLANNERS
 6555 CARNEGIE AVENUE
 CLEVELAND, OH 44141
 216.865.1335
 OHM-ADVISORS.COM

REVISIONS:

DATE: 3/8/2018
 PRO NUMBER: 3087180010
 ENG: SB
 PROJ MGR: SB
 CADD: CCO
 COUNTY: SUMMIT
 MUNICIPALITY: CITY OF HUDSON

FOREST LAKE COUNTRY CLUB
GOLF CART STORAGE FACILITY
CONCEPTUAL SITE PLAN

1

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Proposed Building



ATTERBURY BLVD.

ESSEX RD.

SUSSEX RD.

CHADBOURNE DR.

LAKE FOREST DR.

INGLESIDE DR.

RIDGE WOOD BLVD.

LAUREL LAKE DR.

BOSTON MILLS RD.

OMNI LAKE PKWY.

WESTPOINT DR.

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

MFS PRE-CAST CONCRETE COLUMN - MORTON BUILDINGS FOUNDATION SYSTEM IS A PRE-ENGINEERED, 10,000 PSI, STEEL REINFORCED COLUMN FOR BELOW GROUND INSTALLATION. DESIGNED TO BE MECHANICALLY FASTENED TO ABOVE GROUND NAIL LAMINATED COLUMNS. THE SYSTEM IS DESIGNED TO RESIST BOTH AXIAL AND BENDING FORCES.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-0" BELOW GRADE (SEE PLANS FOR DIAMETER AND DEPTH). MFS PRE-CAST CONCRETE COLUMNS ARE PLACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THE SPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE COLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETE (SEE PLANS).

TREATED LUMBER - PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR S4S. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED, IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (FLUOROFLEX 1000™) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.
2x4F1 02/12

DESIGN AND EXPLANATORY NOTES

- 1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.
- 2.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- 3.) NO ONE MAY ALTER ANY ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ENGINEER .
- 4.) ♦ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

OFFICE:
WOOSTER, OH
JOB NO.
051-074175



LAKE FOREST COUNTRY CLUB
HUDSON, OH

OH
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PRESHING P.O. BOX 110 MORTON, IL 61550 COA # 022671 [ENG] COA # 00044350 [AR] PHONE NUMBER: 309-243-4105

SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S5	COLUMN PLAN
S2 OF S5	TRUSS/BRACING PLAN, TRUSS DRAWING & DETAILS
S3 OF S5	TRUSS & PURLIN DETAILS
S4 OF S5	ELEVATIONS
S5 OF S5	SECTIONS & DETAILS

EARTHQUAKE DESIGN DATA TABLE		
0.2 SEC SPECTRAL RESPONSE ACCELERATION (S _s)		0.15g
1.0 SEC SPECTRAL RESPONSE ACCELERATION (S ₁)		0.06g
SEISMIC DESIGN CATEGORY		B
BUILDING CATEGORY (TABLE 1604.5)		II
SITE CLASS		D
BASIC STRUCTURAL SYSTEM AND SEISMIC-RESISTING SYSTEM	LIGHT FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE OR STEEL SHEETS	
RESPONSE MODIFICATION FACTOR (R)		7
ANALYSIS PROCEDURE	SIMPLIFIED ANALYTICAL PROCEDURE	
SEISMIC DESIGN BASE SHEAR		700 LBS

CURRENT LUMBER SPECIFICATIONS (06-01-2013)		
SIZE	DESCRIPTION	BENDING VALUE F _b
2x4	NO. 2 SPF	1313 PSI
2x4	NO. 1 SYP	1500 PSI
2x4	2100F MSR SPF	2100 PSI
2x6	NO. 2 SPF	1138 PSI
2x6	NO. 1 SYP	1350 PSI
2x6	2100F MSR SPF	2100 PSI
2x6	2400 MSR SYP	2400 PSI
2x8	NO. 1 SYP	1250 PSI
2x8	2400 MSR SYP	2400 PSI
2x10	NO. 1 SYP	1050 PSI
2x10	2400 MSR SYP	2400 PSI
2x12	NO. 1 SYP	1000 PSI
2x12	2250F MSR SYP	2250 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

BUILDING DESIGN CRITERIA	
USE GROUP	S-1
CONSTRUCTION TYPE	VB
BUILDING AREA	5832 SQ. FT.
ROOF SNOW LOAD *	20 PSF
GROUND SNOW LOAD	25 PSF
WIND SPEED (V _s)	90 MPH
FLOOR LOAD	125 PSF
CALCULATED OCCUPANT LOAD (500 SQ. FT./ OCCUPANT)	12

***ROOF SNOW LOAD CALCULATIONS**

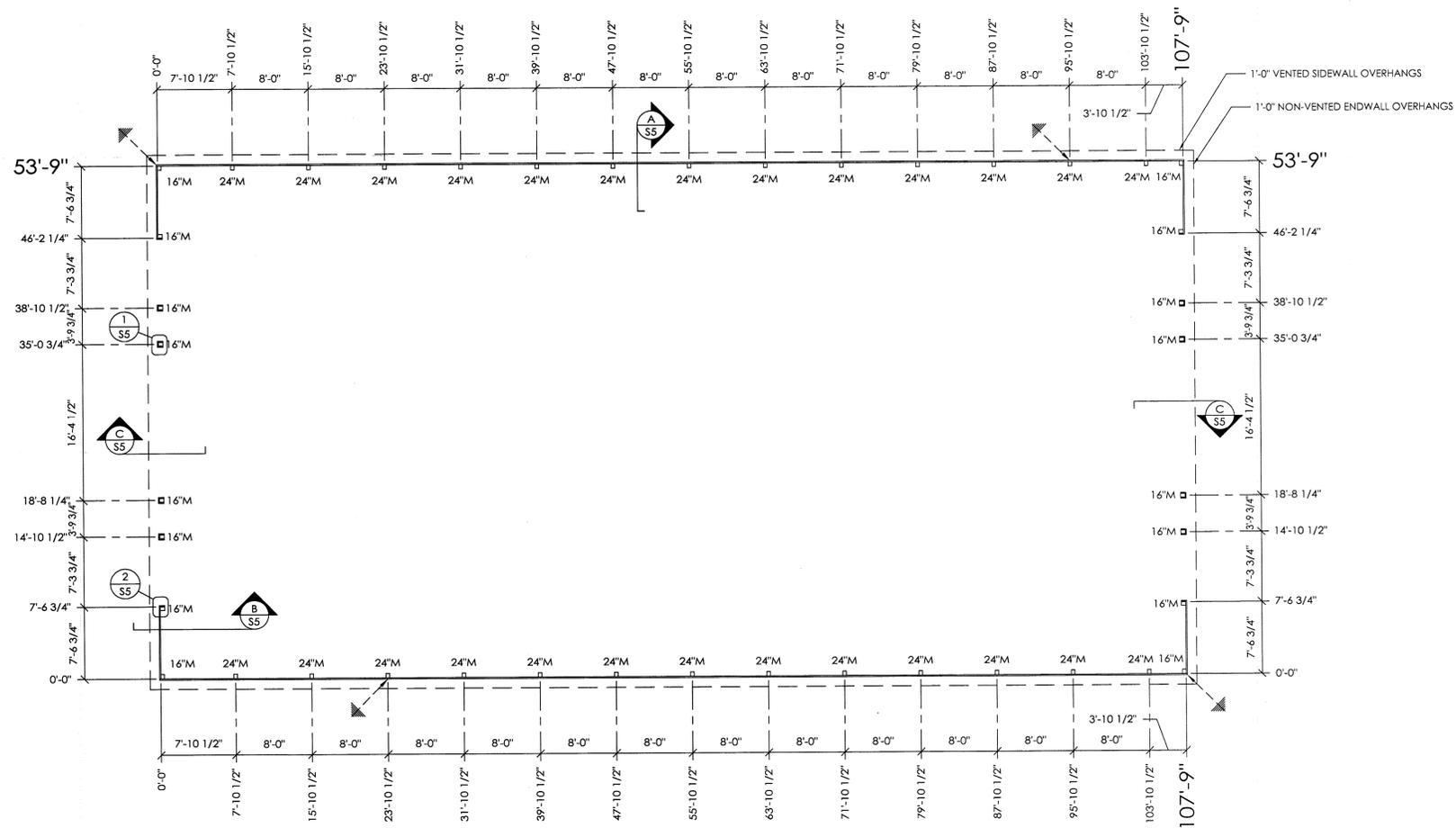
$P_s = 0.7 \times C_e \times I \times P_g \times C_t \times C_s$
 $C_e =$ SNOW EXPOSURE FACTOR = 1.0
 $I =$ IMPORTANCE FACTOR = 1.0
 $P_g =$ GROUND SNOW LOAD = 25 PSF
 $C_t =$ THERMAL FACTOR = 1.2
 $C_s =$ ROOF SLOPE FACTOR = 0.94
 $P_s = 0.7 \times 1.0 \times 1.0 \times 25 \times 1.2 \times 0.94 = 19.74 \text{ PSF}$

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.



DRAWN BY:	J GROGAN
DATE:	10/16/2017
CHECKED BY:	M MCCORMICK
DATE:	10/20/2017
REVISED DATE:	3/16/2018
REVISED DATE:	6/30/2018
REVISED DATE:	---
REVISED DATE:	---

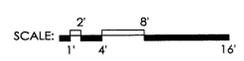
SCALE: AS NOTED
SHEET NO.
G1 of G1



COLUMN PLAN

COLUMN PLAN LEGEND

- - 3-2x6 LAMINATED COLUMN LOCATION
- (2) 2'-6"x2'-6" NON-FUNCTIONAL CUPOLA WITH 'M' 30" WEATHERVANE
- FORMED DRY-PANEL (ROOF ONLY)
- ALL STEEL FASTENED WITH STAINLESS STEEL SCREWS
- ▲ - GROUND ROD
- 16'M - 16" DIAMETER FOOTING WITH 4" TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM), 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.
- 24'M - 24" DIAMETER FOOTING WITH 4" TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM), 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.



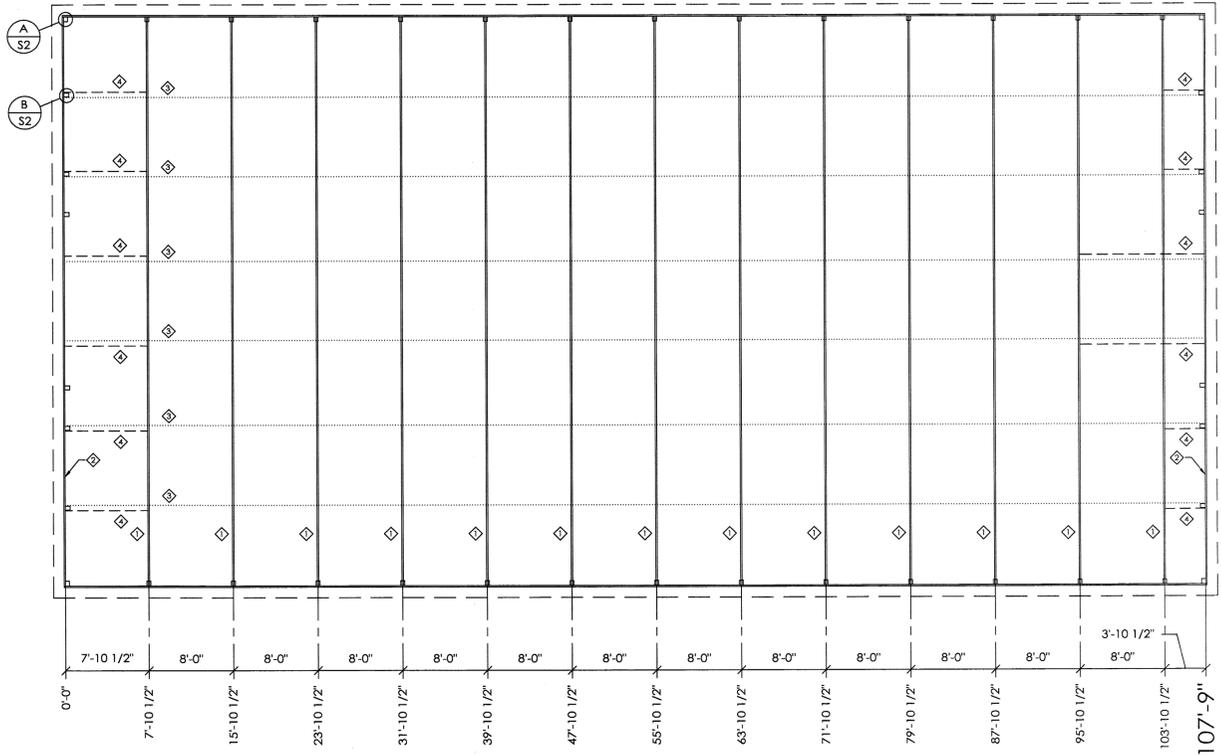
LAKE FOREST COUNTRY CLUB
 HUDSON, OH

OH
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
 100 S. PERSHING P.O. BOX 110 - MORTON, IL 61550 COA # 02260 [ENG] COA # 0004350 [AR] PHONE NUMBER: 309-263-4105

DRAWN BY:	J GROGAN
DATE:	10/16/2017
CHECKED BY:	M MCCORMICK
DATE:	10/20/2017
REVISED DATE:	3/6/2018
REVISED DATE:	6/30/2018
REVISED DATE:	----
REVISED DATE:	----



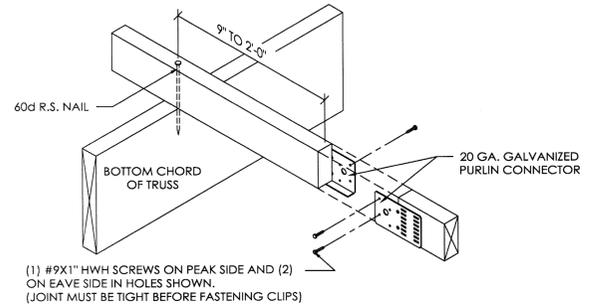
SCALE: AS NOTED
 SHEET NO.
 S1.1 OF S5



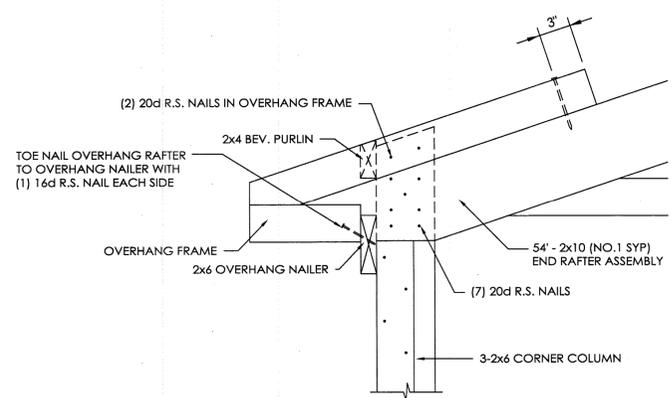
TRUSS/BRACING PLAN

TRUSS/BRACING PLAN LEGEND

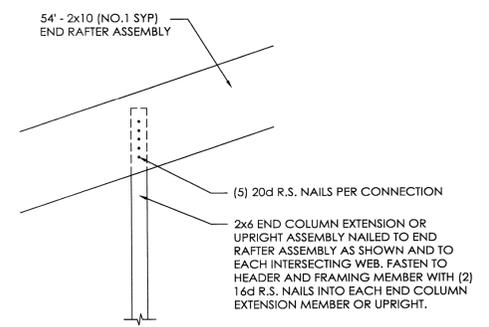
- ◇ - 54' 2090 S.C. TRUSSES @ 8'-0" O.C.
- ◇ - 54' END RAFTER ASSEMBLY
- ◇ - 2x4 TRUSS TIES
- ◇ - 2x6 DIAGONAL END BRACES



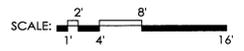
2x4 TRUSS TIE DETAIL



DETAIL A
SCALE: 1 1/2" = 1'-0"



DETAIL B
SCALE: 1 1/2" = 1'-0"

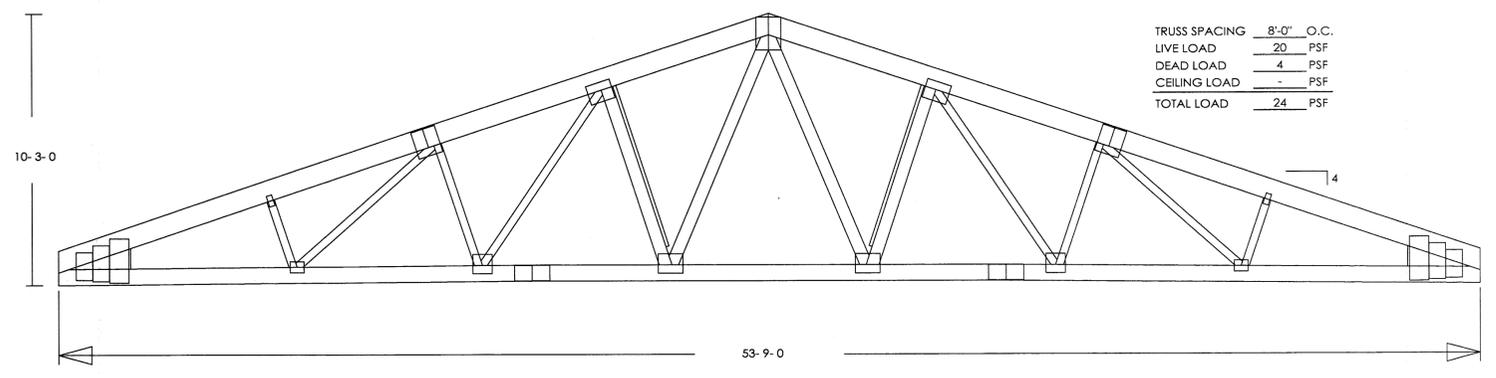


LAKE FOREST COUNTRY CLUB
HUDSON, OH

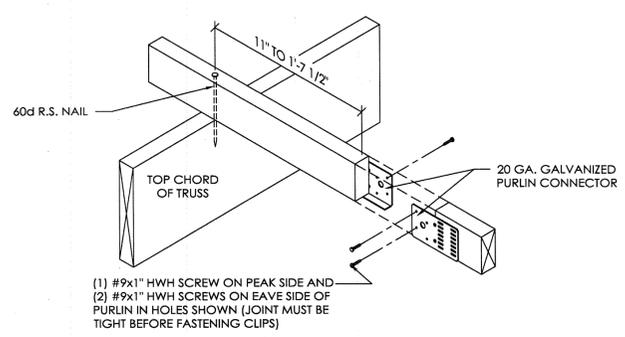
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 COA # 02260 (ENG) COA # 00004392 (AR) PHONE NUMBER: 309-263-4105

DRAWN BY:	J GROGAN
DATE:	10/16/2017
CHECKED BY:	M MCCORMICK
DATE:	10/20/2017
REVISED DATE:	3/6/2018
REVISED DATE:	---
REVISED DATE:	---





54' S.C. 2090 TRUSS
 SCALE: 5/16" = 1'-0"



2x4 BUTTED PURLIN DETAIL
 (PURLIN CONNECTED WITH 60D R.S. NAIL)
 SCALE: 1 1/2" = 1'-0"

LAKE FOREST COUNTRY CLUB
 HUDSON, OH

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
 100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 COA # 02280 (ENG) COA # 00004350 (AR) PHONE NUMBER: 309-263-4105

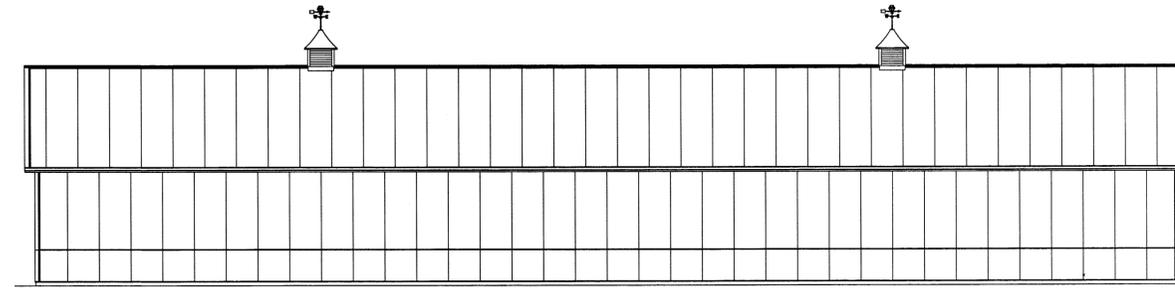
DRAWN BY:	J GROGAN
DATE:	10/16/2017
CHECKED BY:	M MCCORMICK
DATE:	10/20/2017
REVISED DATE:	3/6/2018
REVISED DATE:	6/30/2018
REVISED DATE:	---
REVISED DATE:	---



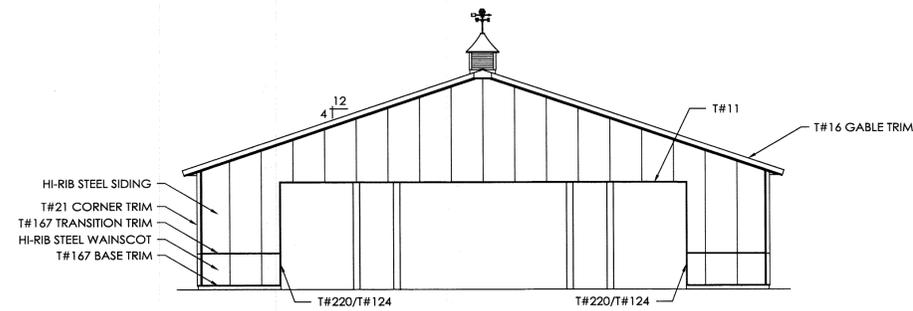
DESIGN AND EXPLANATORY NOTES

1.) EXTERIOR DOOR AND WINDOW LOCATIONS ARE TAKEN FROM THE EXTERIOR FACE OF THE NAILERS AND ARE TO THE CENTER OF THE DOOR AND WINDOW UNITS. VERIFY ALL DOOR, WINDOW, SKYLIGHT AND SIDELIGHT LOCATIONS WITH THE OWNER.

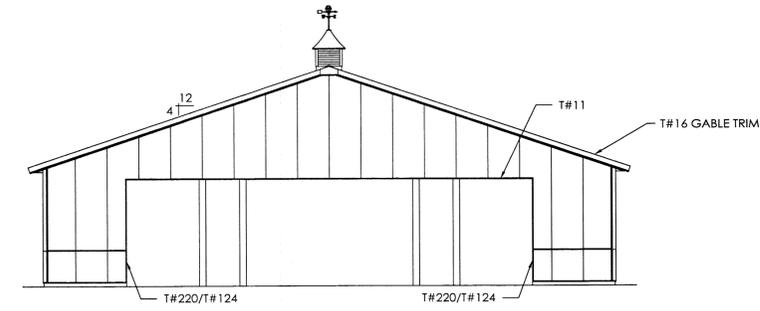
OFFICE: WOOSTER, OH
JOB NO. 051-074175



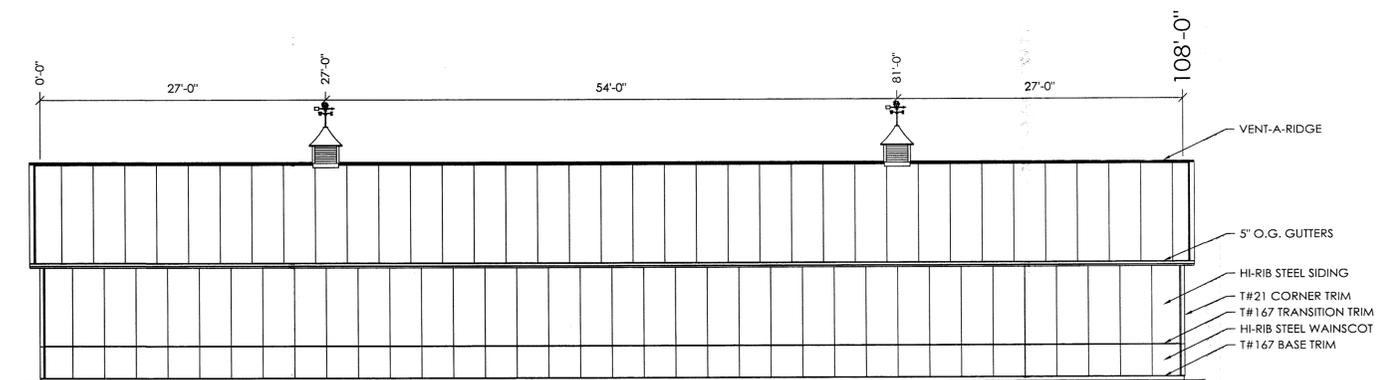
NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION

SCALE: 1" = 4'

LAKE FOREST COUNTRY CLUB
HUDSON, OH

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 COA # 022817ENR CCA # 00004350 (AR) PHONE NUMBER: 309-249-4105

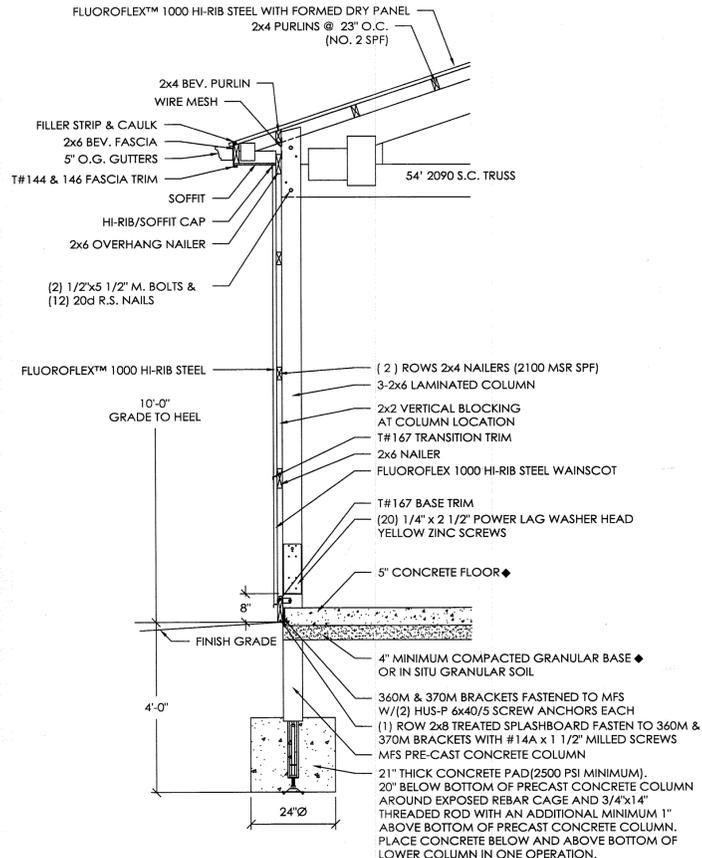
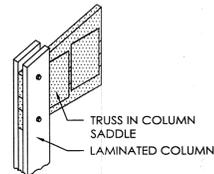
DRAWN BY:	J GROGAN
DATE:	10/16/2017
CHECKED BY:	M MCCORMICK
DATE:	10/20/2017
REVISED DATE:	3/6/2018
REVISED DATE:	6/30/2018
REVISED DATE:	---
REVISED DATE:	---



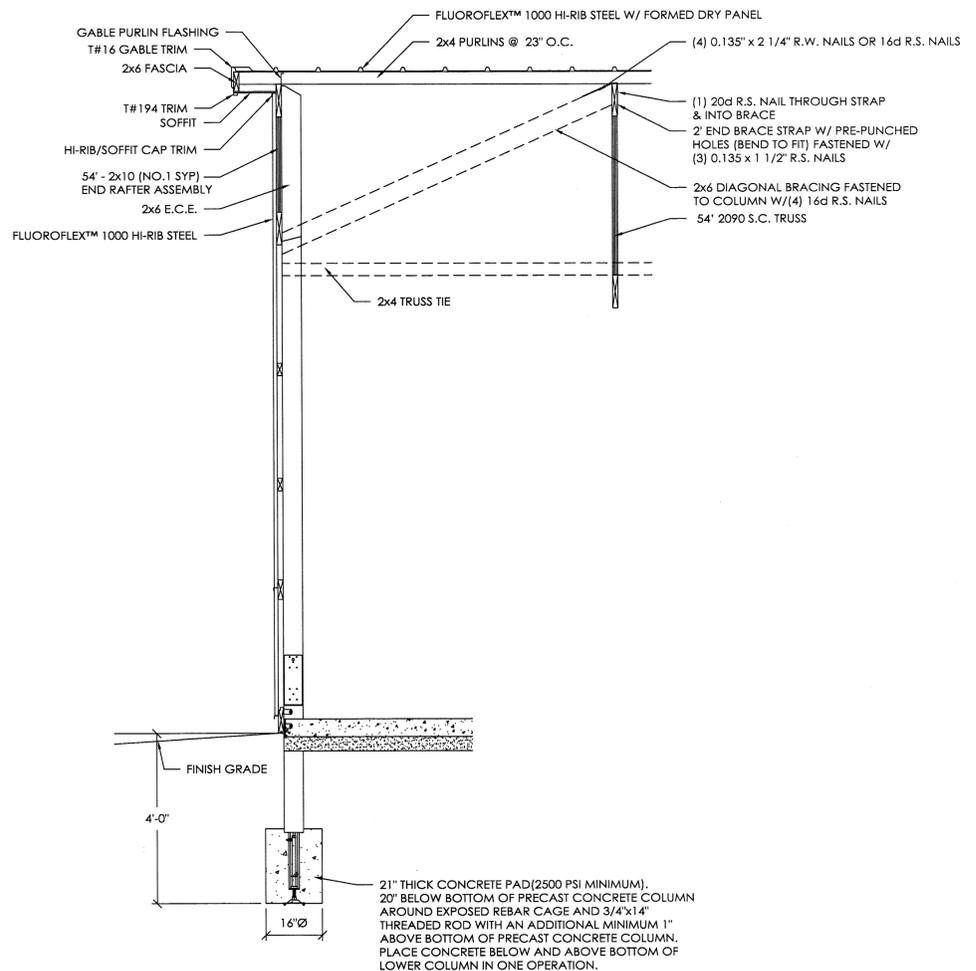
SCALE: AS NOTED
SHEET NO. S4.1 OF S5

DESIGN AND EXPLANATORY NOTES

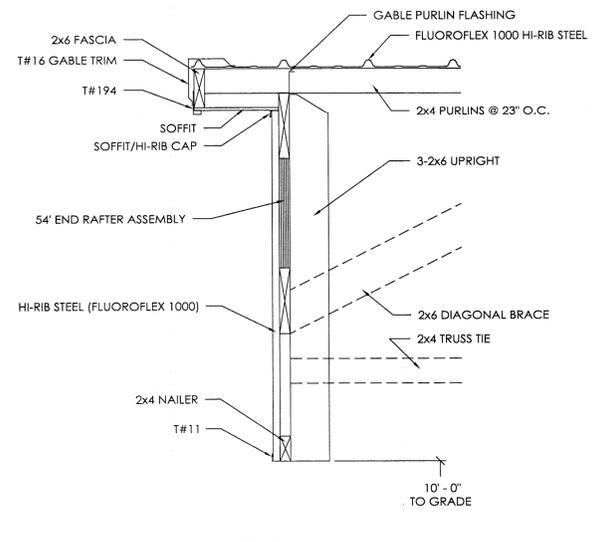
- FOOTINGS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. LOCAL CONDITIONS MAY REQUIRE MODIFICATIONS.
- CONCRETE FLOOR NOTES:
 - 3500 PSI, 5 1/2 BAG MIX CONCRETE.
 - SLOPE GRADE AWAY FROM BUILDING @ 1" PER FOOT FOR A MINIMUM DISTANCE OF 10' PLUS OVERHANG WIDTH.
 - A VAPOR RETARDER IS NOT MANDATED PER IBC SECTION 1910 EXCEPTION 3, UNLESS THE FLOOR WILL BE COVERED BY MOISTURE SENSITIVE FLOORING MATERIALS OR IMPERMEABLE FLOOR COATINGS OR WHERE THE FLOOR WILL BE IN CONTACT WITH ANY MOISTURE SENSITIVE EQUIPMENT OR PRODUCT.
 - CONTRACTION JOINTS UNIFORMLY SPACED 15' O.C. OR LESS.
- PRIOR TO PLACING THE CONCRETE FOOTINGS, HAND TAMP THE BOTTOM 2'-3" OF LOOSE SOIL TO CONSOLIDATE. IF THE DRILLED HOLE CONTAINS MORE THAN 3" OF LOOSE SOIL, REMOVE EXCESS SOIL TO A UNIFORM THICKNESS OF 2'-3", HAND TAMP AND PROCEED WITH CONCRETE FOOTING PLACEMENT.
- DO NOT PLACE CONCRETE FOOTING THROUGH MORE THAN 3" OF STANDING WATER. IF MORE THAN 3" OF STANDING WATER IS PRESENT IN THE FOOTING HOLE CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR INSTALLATION INSTRUCTIONS.



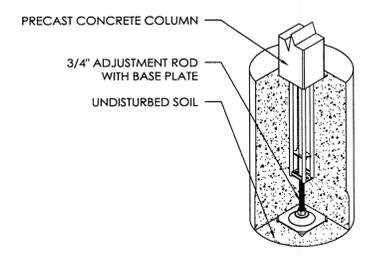
SIDEWALL SECTION
 SCALE: 1/2" = 1'-0"



ENDWALL SECTION B
 SCALE: 1/2" = 1'-0"



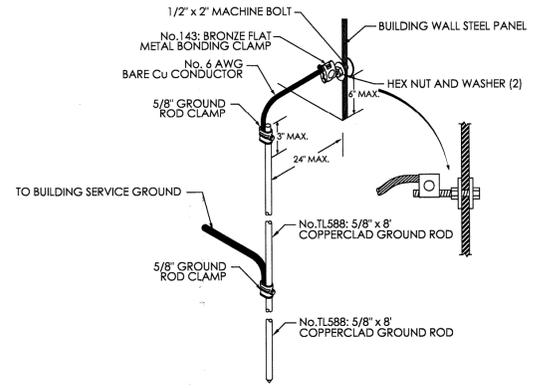
ENDWALL SECTION C
 SCALE: 1/2" = 1'-0"



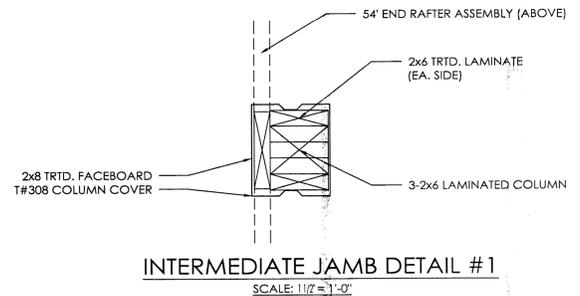
LOWER COLUMN ISOMETRIC

LOWER COLUMN INSTALLATION

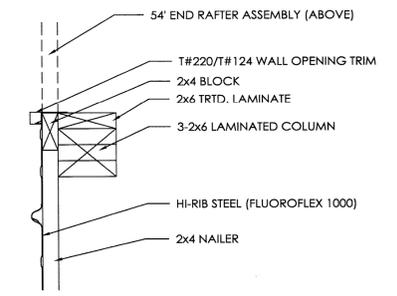
- INSTALL PRECAST CONCRETE COLUMN W/ADJUSTMENT ROD & BASE PLATE IN THE AUGERED HOLE.
- PLUMB PRECAST CONCRETE COLUMN IN BOTH DIRECTIONS
- ADJUST HEIGHT UP OR DOWN WITH ADJUSTMENT HEX ROD
- POUR READI-MIX CONCRETE INTO THE HOLE AS SPECIFIED.
- BACKFILL AND COMPACT THE ANNULAR SPACE AROUND THE COLUMN TO GRADE WITH SOIL AUGERED FROM THE SITE.



GROUNDING ROD DETAIL



INTERMEDIATE JAMB DETAIL #1
 SCALE: 1 1/2" = 1'-0"



INTERMEDIATE JAMB DETAIL #2
 SCALE: 1 1/2" = 1'-0"

LAKE FOREST COUNTRY CLUB
 HUDSON, OH

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
 100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 COA # 02280 (ENG) COA # 00004350 (AR) PHONE NUMBER: 309-263-1105

DRAWN BY:	J GROGAN
DATE:	10/16/2017
CHECKED BY:	M MCCORMICK
DATE:	10/20/2017
REVISED DATE:	3/6/2018
REVISED DATE:	6/30/2018
REVISED DATE:	---
REVISED DATE:	---









LAKE FOREST COUNTRY CLUB

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LAKE FOREST COUNTRY CLUB

