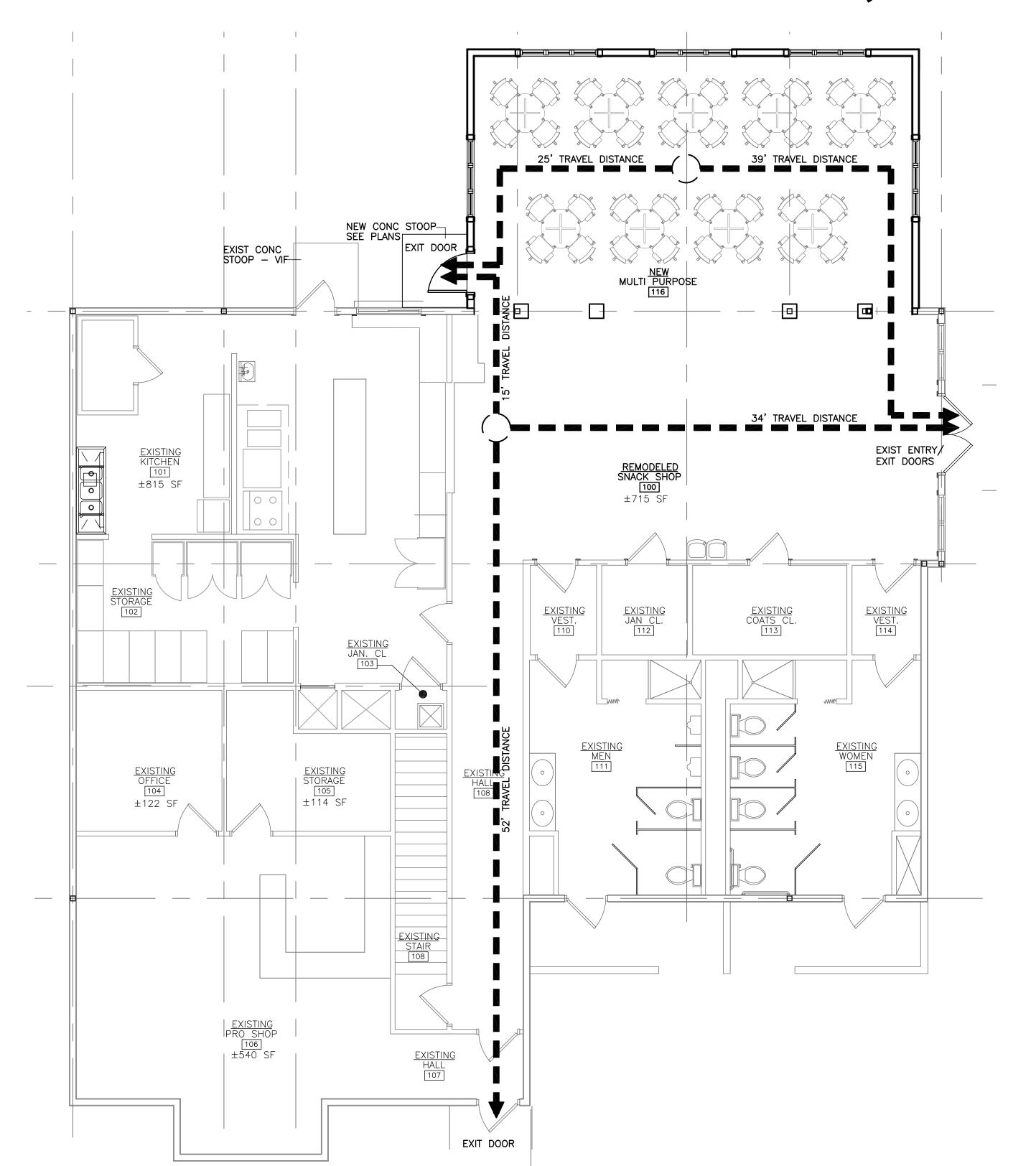
NEW MULTI-PURPOSE ROOM BUILDING ADDITION

1001 HILL AVE.

AURORA, ILLINOIS



INDEX OF DRAWINGS

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- A-2 VIRTUAL GOLF PLAN. PARTIAL CEILING PLANS DEMO/PROPOSED
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ENVELOPE INSULATION REQ'MTS

BELOW GRADE INSULATION R7.5 C.I. ABOVE GRADE WALLS R 20 OR R11.4 C.I. **ROOF INSULATION BELOW ROOF** R 49 BETWN FRM'G FIXED WINDOWS U = .38

OPERABLE WINDOWS U = .45 **ENTRY DOORS**

U = .77 SHGC = .38

CONSTRUCTION

BUILDING CODE

2015 INTERNATIONAL RESIDENTIAL CODE 2011 NATIONAL ELECTRIC CODE 2015 INTERNATIONAL MECHANICAL CODE 2014 ILLINOIS PLUMBING CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE

CONSTRUCTION:

VB UNPROTECTED - FULLY SPRINKLERED

OCCUPANCY:

EXISTING BASEMENT

BUSINESS (B) ADDED ADDITION ASSEMBLY (A2) PROPOSED CONSTRUCTION — OCCUPANCY

700 SF - SEATING FOR 36 PERSONS

1 EXIT IS REQUIRED 2 EXITS PROVIDED INCLUDING EXIST FRONT ENTRANCE THIS DOES INCLUDE EAST EXIT AT END OF HALL #108

36 PERSONS \times .20 = 8 INCHES OF EXIT WIDTH

EXISTING MAIN LEVEL PRIOR TO ADDITION PROPOSED

EXISTING SNACK SHOP 715 SF STG FOR 24 PERSONS

EXISTING KITCHEN 815 SF 5 PERSONS EXISTING PRO SHOP 540 SF 18 PERSONS **EXISTING OFFICE 122 SF** 2 PERSONS

EXISTING STORAGE 114 SF 1 PERSON EXISTING MAIN LEVEL PRIOR TO ADDITION PROPOSED 50 PERSONS 3 EXITS EXIST (1 FROM HALL #108 AND OTHERS AT MAIN ENTRANCE

THE OTHER AT SNACK SHOP THAT IS BEING DEMO'D AND REPLACED AT NEW LOCATION

TOTAL OCCUPANT LOAD 86 PERSONS 86x.20 = 18 INCHES REQUIRED

EXISTING BASEMENT LEVEL EXISTING CART STORAGE 1,804 SF EXISTING STORAGE RMS 120 SF & 285 SF = 405 SF EXISTING CONFERENCE ROOM 213 SF

1 PERSON 15 PERSONS EXISTING OFFICES 230 SF 3 PERSONS 23 PERSONS

4 PERSONS

23 PERSONS 23x.20 = 5 INCHES REQUIRED AND PROVIDED

NTERIOR FINISH CLASSIFICATION

CLASS A = FLAMESPREAD 0-25, SMOKE DEVELOPED 0-450 CLASS B - FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450 CLASS C = FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450

CORRIDORS & ROOMS AND ENCLOSED SPACES: CLASS C FOR CLGS AND WALLS

EXISTING PLUMBING FIXTURE CALCS

WORSE CASE SCENARIO- USING OFFICE APPENDIX (55 PERSONS/SEX) EXISTING MEN (3WC'S 2 URINALS, AND 3 LAVATORIES) INCL: BASEMT LEVEL EXISTING WOMEN (5 WC'S AND 3 LAVS) INCL: BASEMT LEVEL MEN (REQUIRED) 3 LAVS ALLOWS 60 PERSONS

MEN (REQUIRED) 2 LAVS ALLOWS 60 PERSONS

GENERAL NOTES

- 1. IN THE FIELD, OWNER TO BE NOTIFIED OF ANY CONDITIONS AT VARIANCE WITH DRAWINGS.
- 2. CONTRACTOR NOT TO ALLOW DEBRIS TO ACCUMULATE ON SITE DURING DEMOLITION AND CONSTRUCTION, AND LEAVE AREA BROOM CLEAN DAILY. REMOVE WASTE BUILDING MATERIAL WEEKLY.
- 3. CONTRACTORS RESPONSIBLE FOR OBTAINING APPROPRIATE PERMITS, AND INSURANCE FOR CONSTRUCTION AND OCCUPANCY
- 4. ALL SURFACES AND CONSTRUCTION NOT IN CONTRACT TO BE ADEQUATELY BRACED, PROTECTED, PATCHED TO MATCH OR CLEANED TO SMOOTH, SOLID, SAFE, CONDITION EQUAL TO EXISTING CONSTRUCTION AND INDUSTRY STANDARD.
- 5. CONTRACTOR TO VERIFY SITE AND EXISTING CONSTRUCTION CONDITIONS ESPECIALLY UNDERGROUND AND OVERHEAD. UTILITY SERVICES
- 6. CONTRACTOR TO BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK. ARCHITECT ASSUMES NO RESPONSIBILITY
- 7. ALL WORK IS TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND ORDINANCES. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS AND FEES
- 8. COORDINATE STORAGE OF MATERIALS AND EQUIPMENT WITH PROPERTY MANAGER. CONTRACTOR IS SOLELY RESPONSIBLE FOR MATERIALS AND EQUIPMENT STORED ON SITE. ASSUMES NO RESPONSIBILITY FOR STORED MATERIALS.
- 9. DO NOT SCALE DRAWINGS DIMENSIONS GOVERN.
- 10. THE WORK INCLUDES THE FURNISHINGS OF ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR AND REASONABLY INCIDENTAL TO THE COMPLETION OF THE WORK AS ILLUSTRATED AND DESCRIBED IN THE PLANS AS PREPARED BY THE ARCHITECT. ALL SUCH WORK IS TO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- 11. CONTRACTOR(S) SHALL ADEQUATELY PROTECT PERSONS AND PROPERTY FROM DAMAGE AND DIRT CAUSED BY THEIR OPERATIONS. EACH CONTRACTOR SHALL CLEAN, REPAIR OR REPLACE SAID PROPERTY PROMPTLY AT NO COST TO OWNER.
- 12. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER.
- 13. PERFORM ALL WORK IN ACCORDANCE WITH GOOD TRADE PRACTICE. APPLICABLE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE INDUSTRY STANDARDS INCLUDING ASTM STANDARDS.

- 14. PROVIDE SEALANT AND CAULKING WHERE INDICATED ON PLANS AND ELSEWHERE AS REQUIRED TO CLOSE JOINTS BETWEEN DIFFERING MATERIALS OR TO PROVIDE A POSITIVE BARRIER AGAINST PASSAGE OF MOISTURE AND AIR INFILTRATION COLOR OF CAULK TO MATCH ADJACENT FINISH.
- 15. FINAL CLEANUP, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MAKE CERTAIN THAT ALL HOUSE-KEEPING CLEANUP ITEMS ARE COMPLETE. THIS WOULD INCLUDE WIPING DOWN, CLEANING GLASS. UPON COMPLETION OF WORK, ALL WASTER MATERIAL, RUBBISH TOOLS, CONSTRUCTION EQUIPMENT MACHINERY, AND OTHER SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE.
- 16. NO WORK SHALL BE CONCEALED PRIOR TO INSPECTION BY GOVERNING AGENCIES.
- 17. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY THE NATIONAL ELECTRIC CODE, THE STATE OF ILLINOIS PLUMBING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE, COUNTY AND MUNICIPAL LAWS, ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE CONSTRUCTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING THERETO.
- 18. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRING AND PATCHING WORK REQUIRED AFTER DEMOLITION SURFACES SHALL BE REFURBISHED TO MATCH ADJACENT WORK.
- 19. ALL SUBCONRACTORS ARE HEREBY REMINDED THAT THIS PROJECT IS SUBJECT TO THE PROCEDURES AND REGULATIONS OF THE WILLIAMS-STEIGER OCCUPATIONAL SAFETY AND HEALTH ACT; CURRENT EDITION WITH PERTINENT AMENDMENTS.
- 20. ALL SUBCONTRACTORS ARE FURTHER REMINDED THAT THE IMPLEMENTATION OF THE PROCEDURES AND REGULATIONS PERTAINING TO THE ABOVE MENTIONED ACT ARE HIS COMPLETE RESPONSIBILITY. NEITHER THE OWNER, NOR GENERAL CONTRACTOR
- 21. EACH CONTRACTOR, PRIOR TO SUBMITTING HIS BID, SHALL THOROUGHLY AND CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS OF THE CONTRACT DOCUMENTS, AND VISIT THE SITE TO BECOME FULLY AWARE AND KNOWLEDGEABLE OF THE WORK TO BE PERFORMED. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF ANY ERRORS, DISCREPANCIES, OR AMBIGUITIES FOUND IN THE CONTRACT DOCUMENTS. THE CONTRACTOR, IN SUBMITTING HIS BID, ASSUMES RESPONSIBILITY FOR DISCREPANCIES FOR WHICH HE DID NOT NOTIFY THE OWNER.



CONSULTANTS

STATEMENT OF COMPLIANCE HAVE PREPARED, OR CAUSED TO BE PREPARED JNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, 1 THE BEST OF MY KNOWLEDGE AND BELIEF AND 1 THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL THE APPLICABLE CODES, INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBLITY CODÈ (71 ILL. ÁDM.

ARURORA, ILLINOIS



Date: 01/18/21 Expir: 11/30/2022 ILLINOIS DESIGN FIRM NO. 184-005411

DATE SSUED FOR PERMIT 01/18/21

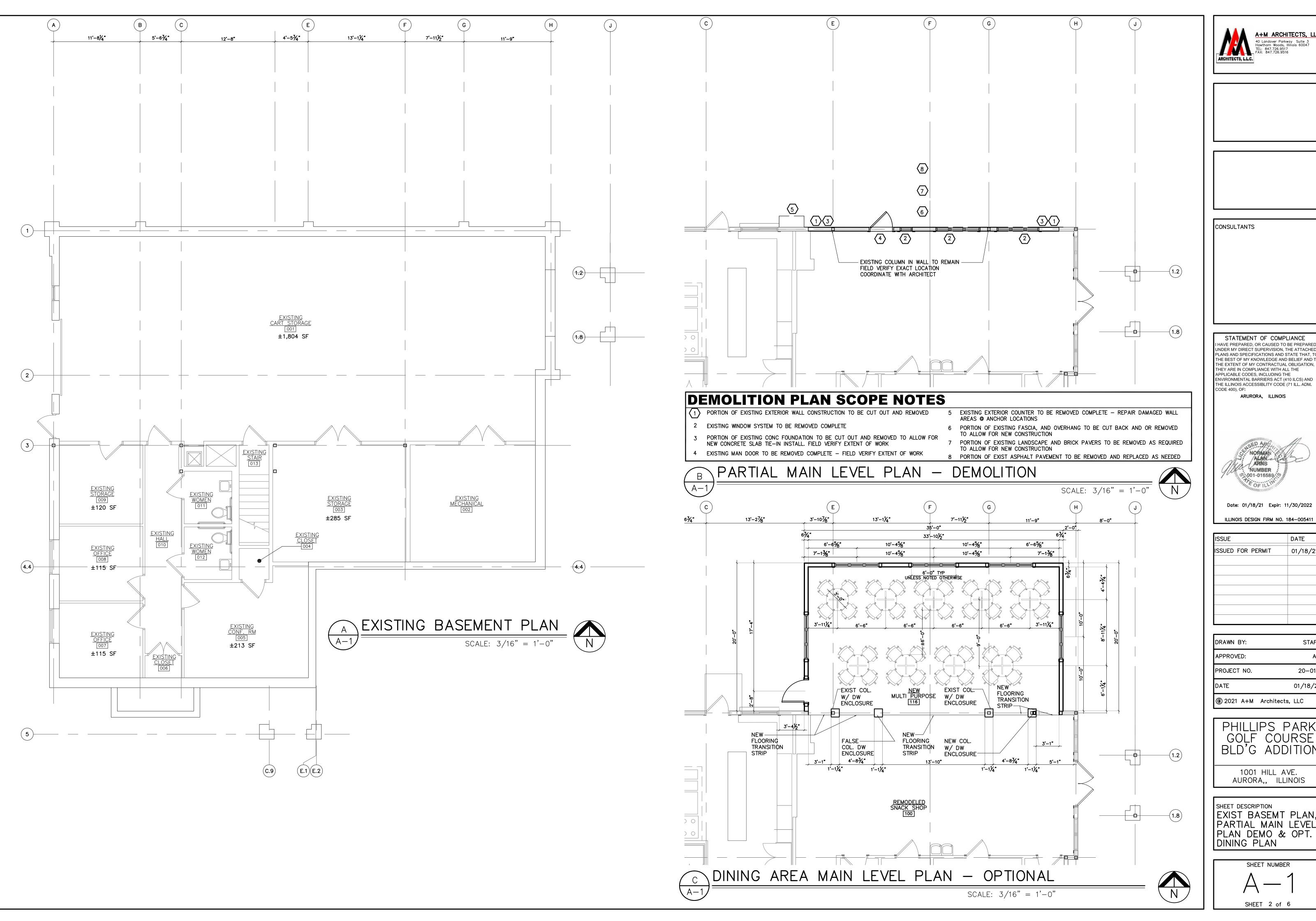
> STAFF APPROVED: 20-015 01/18/21 © 2021 A+M Architects, LLC

> PHILLIPS PARK GOLF COURSE BLD'G ADDITION

1001 HILL AVE. AURORA,, ILLINOIS

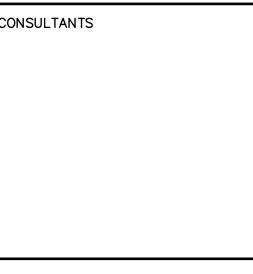
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SHEET NUMBER

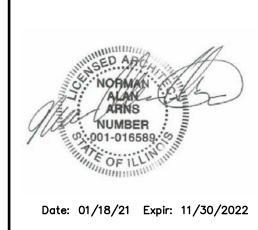








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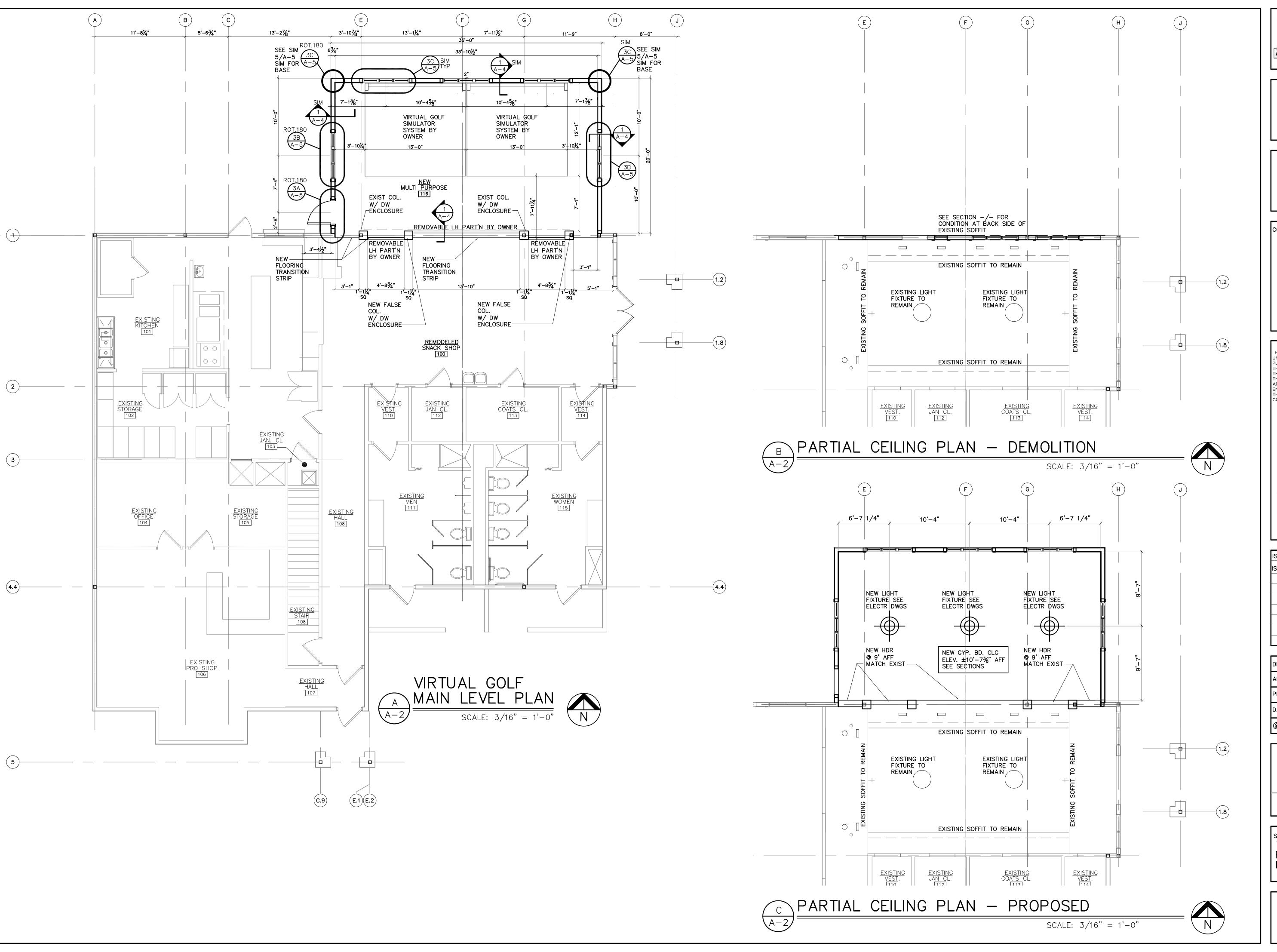
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PHILLIPS PARK GOLF COURSE BLD'G ADDITION 1001 HILL AVE. AURORA,, ILLINOIS

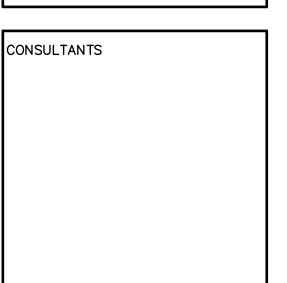
SHEET DESCRIPTION
EXIST BASEMT PLAN,
PARTIAL MAIN LEVEL
PLAN DEMO & OPT.
DINING PLAN

SHEET NUMBER \forall SHEET 2 of 6



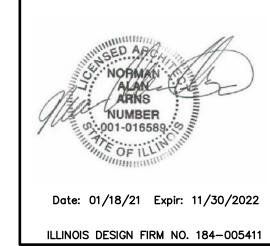






STATEMENT OF COMPLIANCE
I HAVE PREPARED, OR CAUSED TO BE PREPARED
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CODE 400), OF:

ARURORA, ILLINOIS



ISSUED FOR PERMIT 01/18/21	ISSUED FOR PERMIT 01/18/2	ISSUE	DATE
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PHILLIPS PARK
GOLF COURSE
BLD'G ADDITION

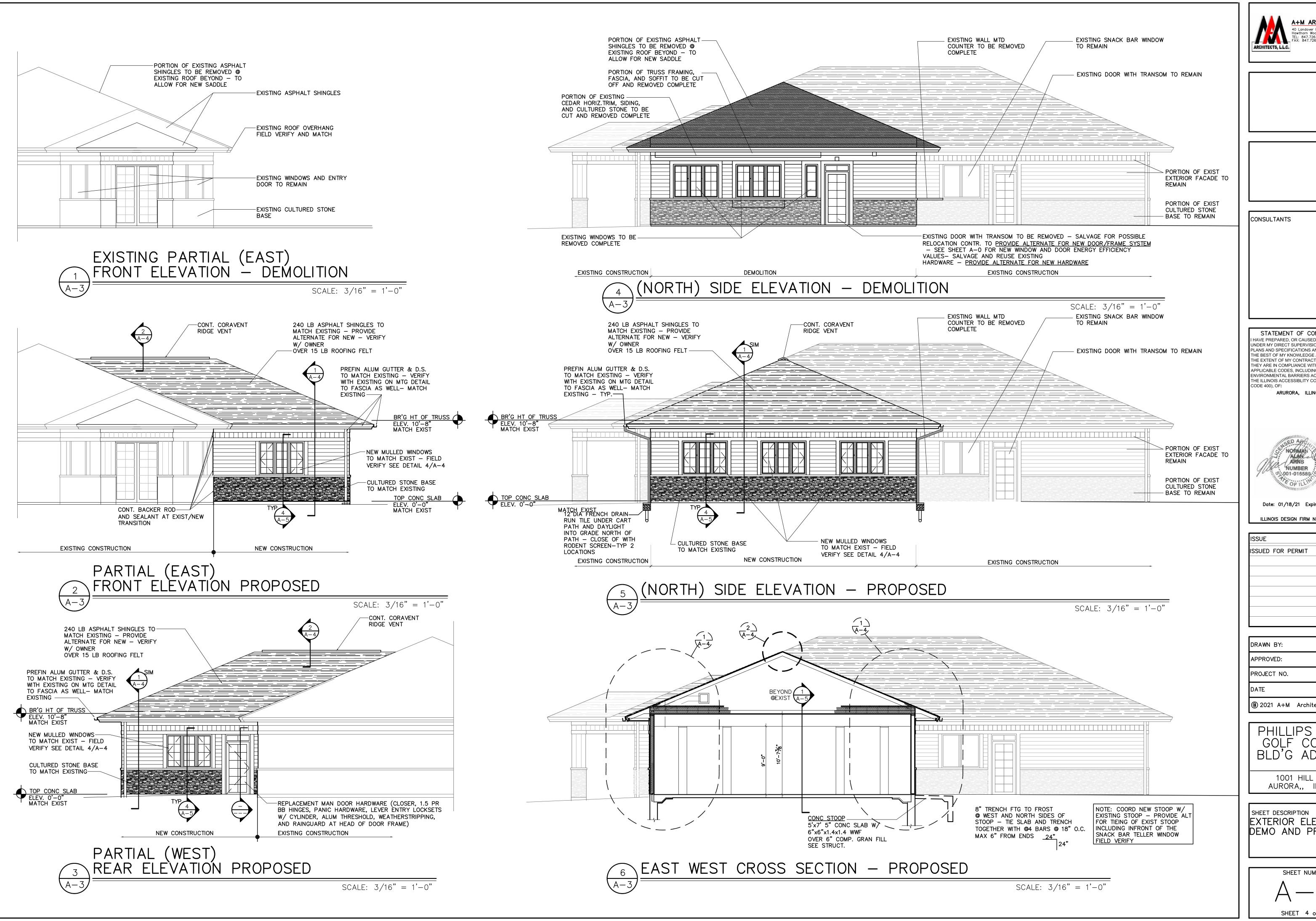
1001 HILL AVE.
AURORA,, ILLINOIS

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VIRTUAL GOLF PLAN
PARTIAL CLG PLANS
DEMO & PROPOSED

SHEET NUMBER

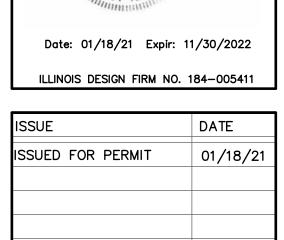
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SHEET 3 of 6





STATEMENT OF COMPLIANCE IAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL THE APPLICABLE CODES, INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBLITY CODE (71 ILL. ADM. ARURORA, ILLINOIS



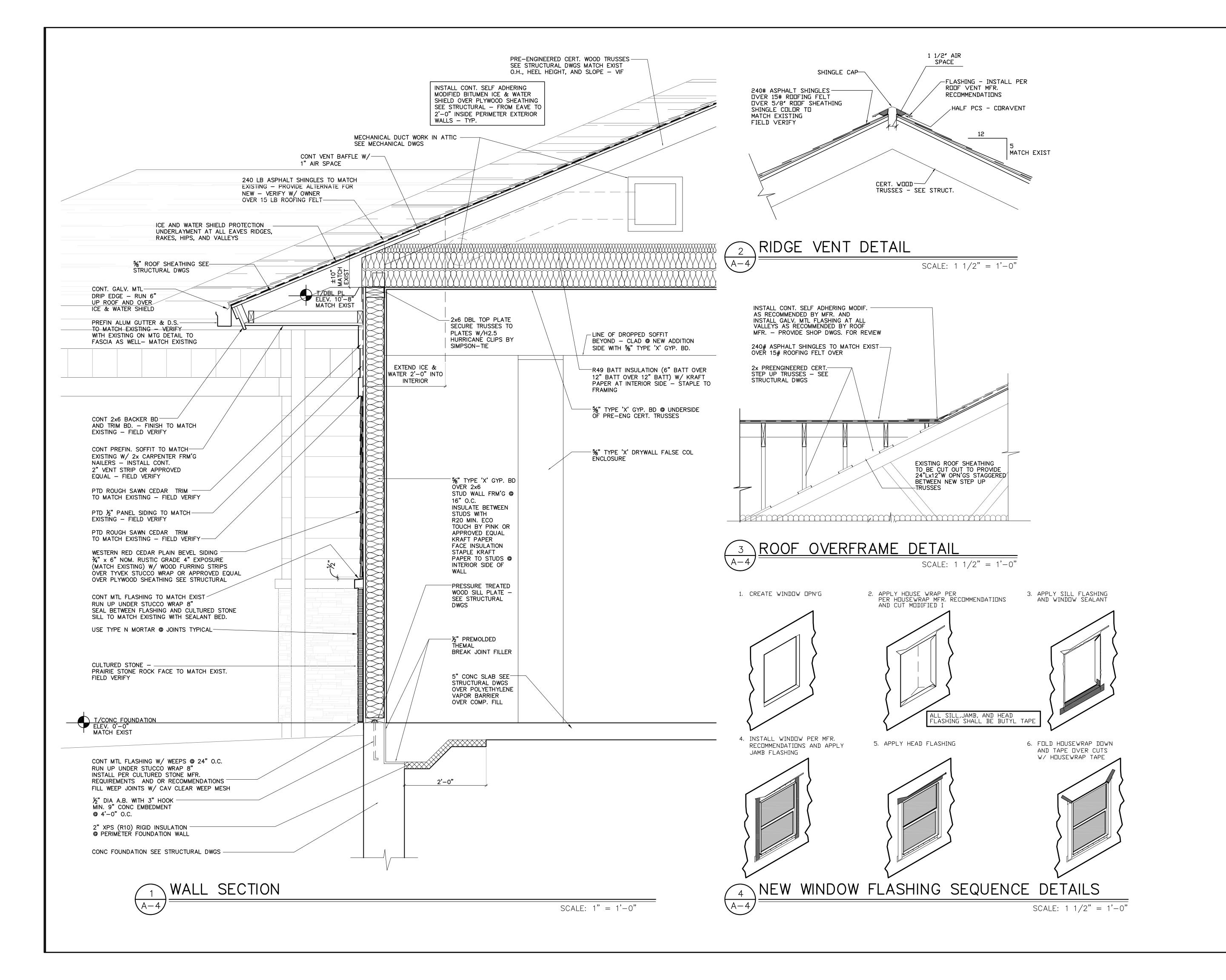
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PHILLIPS PARK GOLF COURSE BLD'G ADDITION

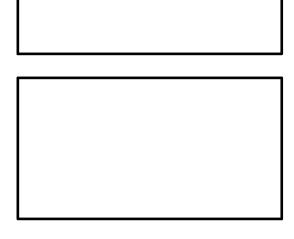
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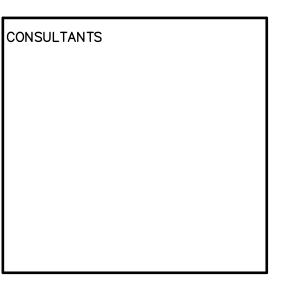
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STATEMENT OF COMPLIANCE

I HAVE PREPARED, OR CAUSED TO BE PREPARED

UNDER MY DIRECT SUPERVISION, THE ATTACHED

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ARURORA, ILLINOIS

NORMAN

NUMBER

001-016589

Date: 01/18/21 Expir: 11/30/2022

ILLINOIS DESIGN FIRM NO. 184-005411

ISSUE DATE ISSUED FOR PERMIT 01/18/2	
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		DATE		01/18/21
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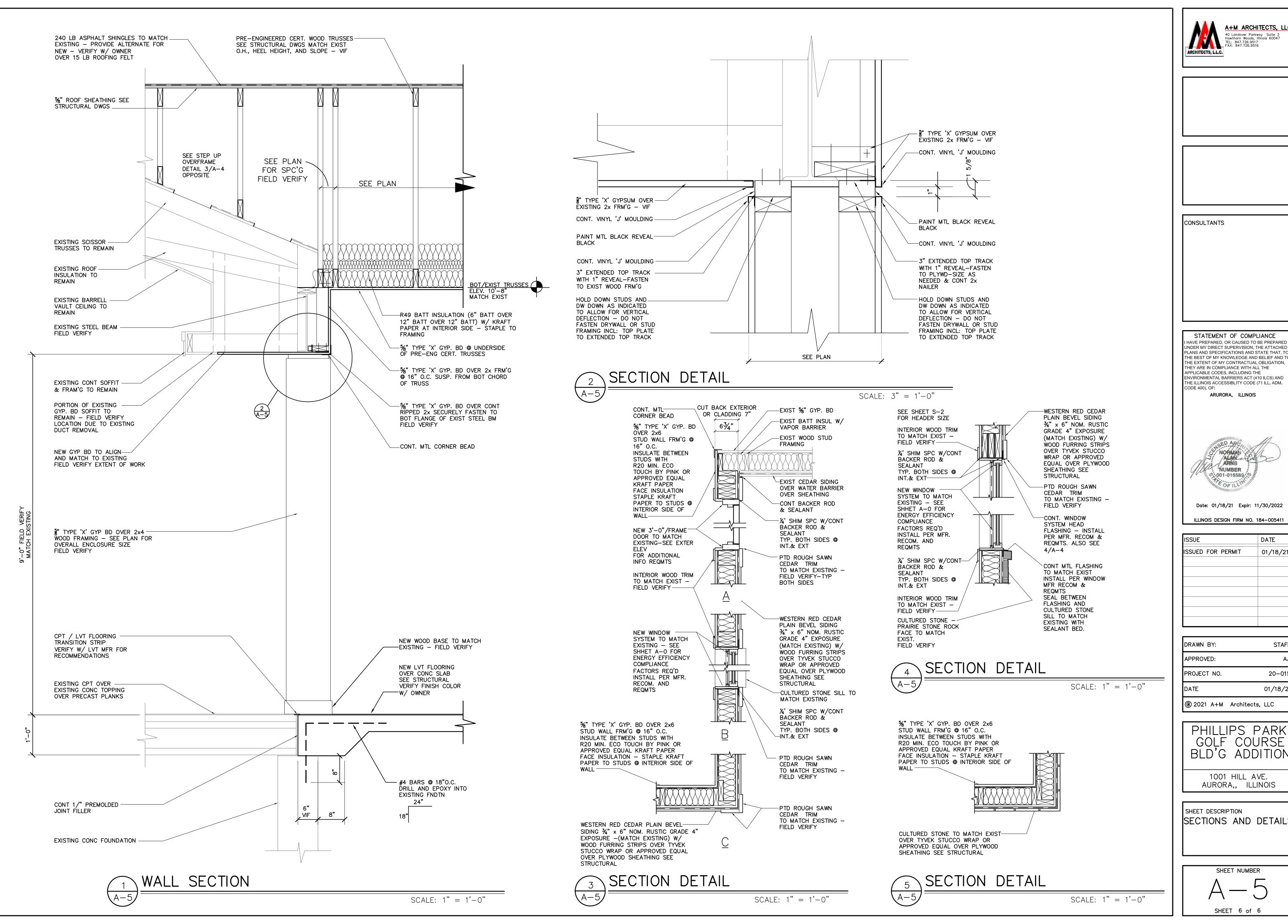
PHILLIPS PARK GOLF COURSE BLD'G ADDITION

1001 HILL AVE. AURORA,, ILLINOIS

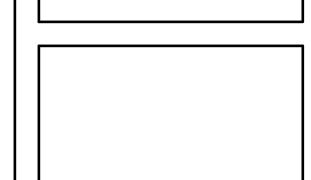
SHEET DESCRIPTION
WALL SECTION, RIDGE
VENT DETAIL, ROOF
OVERFRAME DETAIL,
& WINDOW FLASHING
SEQUENCE DETAILS

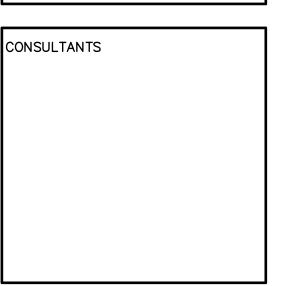
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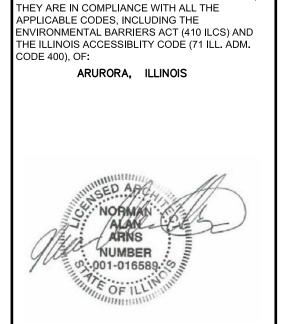
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PHILLIPS PARK GOLF COURSE BLD'G ADDITION

1001 HILL AVE. AURORA,, ILLINOIS

SHEET DESCRIPTION SECTIONS AND DETAILS

SHEET NUMBER SHEET 6 of 6

STRUCTURAL NOTES:

- 1. FIELD VERIFY DIMENSIONS AND CONDITIONS RELATING TO EXISTING CONSTRUCTION PRIOR TO ORDERING MATERIAL AND COMMENCING THE WORK.
- 2. CONSULT THE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXACT SIZE AND LOCATIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS. COMBINE THE REQUIREMENTS INTO THE SHOP DRAWINGS AND THE WORK.
- 3. CHECK ALL DIMENSIONS AGAINST THE REQUIREMENTS OF OTHER CONTRACT DOCUMENTS. RESOLVE APPARENT DEFICIENCIES, OMISSIONS OR CONTRADICTIONS IN THE CONTRACT DOCUMENTS WITH THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 4. SHOW ALL OPENINGS THROUGH STRUCTURAL MEMBERS ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW. OPENINGS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE SUBJECT TO REVIEW AND ACCEPTANCE AND SHALL BE CLEARLY INDICATED ON THE SHOP DRAWINGS. NO WORK SHALL BE STARTED WITHOUT THE APPROVAL OF THE SHOP DRAWINGS.
- 5. DETAILS SHOWN ON THE STRUCTURAL DRAWINGS ARE TO BE USED FOR SIMILAR CONDITIONS IN THE WORK.
- 6. EXISTING BUILDING AREAS INDICATED TO BE REMOVED SHALL WORK PERFORMED IN SUCH A MANNER AS TO ALLOW THE EXISTING BUILDING TO REMAIN STABLE AND IN A SAFE CONDITION.
- 7. DO NOT SCALE DRAWINGS.
- 8. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
- 9. THE SUBCONTRACTORS SHALL ASSUME RESPONSIBILTY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR FABRICATION PROCESSES AND CONSRUCTION TECHNIQUES AND FOR SAFE CONDITIONS ON THE JOB SITE.
- 10. THE FOLLOWING DESIGN INFORMATION HAS BEEN USED FOR THIS PROJECT:

A. GOVERNING	BUILDING	CODE
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IBC 2015

B. SUPERIMPOSED ROOF LOADS

LIVE LOADS:

ROOF	30 PSF
	+ DRIFTING EFFECTS
DEAD LOADS:	
ACDUALT CUINOLEC	C DCE

ASPHALT SHINGLES	6	PSF
INSULATION	3	PSF
DECK	3	PSF
STRUCTURE	4	PSF
CEILING	3	PSF
HVAC	3	PSF
MISCELLANEOUS	3	PSF

C. WIND LOAD CRITERIA:

BASIC WIND SPEED	115 MPH
WIND EXPOSURE	B
IMPORTANCE FACTOR	1.0

D. SNOW LOAD CIRTERIA:

25 PSF
0.7
1.0
17.5 PSF

E. SEISMIC DESIGN CRITERIA:

Ss	0.161
S1	0.067
SITE CLASSIFICATION	D
Sds	0.172
Sd1	0.107
SEISMIC DESIGN CATEGORY	В
RESPONSE MODIFICATION FACTOR	6.5
IMPORTANCE FACTOR	1.0
Cs	0.0226

11. DEFINED LATERAL SYSTEMS ARE THE EXTERIOR LOAD BEARING LLIGHT FRAMED WALL PANELS.

FOUNDATIONS

- 1. BEAR ALL FOOTINGS ON UNDISTURBED SOILS HAVING AN ASSUMED MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3.0 KIPS PER SQUARE FOOT. EXTEND FOOTING ELEVATIONS TO THE DEPTHS SHOWN ON PLAN. EXTERIOR FOOTINGS SHALL EXTEND A MINIMUM OF 3'-6" BELOW EXTERIOR GRADE. ALL FOOTING ELEVATIONS ADJACENT TO EXISTING FOOTINGS SHALL MATCH EXISTING FOOTING ELEVATION UNLESS NOTED OTHERWISE.
- 2. THE FOUNDATIONS HAVE BEEN DESIGNED USING THE NET ALLOWABLE BEARING PRESSURE LISTED ABOVE.

- 3. REMOVE ALL ORGANIC AND UNSUITABLE MATERIALS PRIOR TO PLACING FILL. PLACE FILL IN LOOSE LIFTS NOT EXCEEDING 8 INCHES AND COMPACT TO A MINIMUM OF 95% MODIFIED STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT. SELECT BORROW MATERIALS SHALL BE USED WHEN IN—SITU MATERIALS ARE UNSUITABLE OR CANNOT BE COMPACTED TO THE PROJECT REQUIREMENTS.
- 4. ALL SLAB ON GRADE AREAS SHALL BE PROOF ROLLED AND ALL SOFT SPOTS ENCOUNTERED SHALL BE REMOVED AND REPLACED TO FINISHED GRADE WITH APPROPRIATE FILL MATERIAL IN ACCORDANCE WITH THE ABOVE PROCEDURE. COORDINATE WITH THE GENERAL CONTRACTOR AND OWNER FOR SOIL TREATMENT BELOW THE SLAB ON GRADE.
- 5. DO NOT PLACE CONCRETE FOR FOUNDATIONS IN EXCAVATIONS CONTAINING WATER, FROST, ICE OR IF THE SUBGRADE IS FROZEN.
- 6. PROVIDE POSITIVE PROTECTION FOR ALL EXCAVATIONS AGAINST INSTABILITY AND DETERIORATION DUE TO RAIN, WIND, SNOW OR ICE. EXERCISE REASONABLE CARE TO NOT UNDERMINE OR DISTURB EXISTING CONSTRUCTION FOUNDATIONS. SLOPE EXCAVATIONS AWAY FROM EXISTING CONSTRUCTION TO REACH BEARING ELEVATIONS.
- 7. PROVIDE TEMPORARY PROTECTION FOR ALL EXCAVATIONS WHERE PROJECT CONDITIONS OR SOIL MATERIAL PROPERTIES WILL NOT ALLOW SLOPING OF EXCAVATIONS.
- 8. BACKFILL AGAINST WALLS AND GRADE BEAMS SO THAT THE DIFFERENCE IN THE FILL LEVEL IS 1'-0" OR LESS ON OPPOSITE SIDES OF THE WALL OR BEAM.
- 9. THE EXPOSED SUBGRADE MAY BECOME DISTURBED WHEN HIGH MOISTURE CONTENTS ARE PRESENT. DO NOT POND WATER ON THE SUBGRADE AND CONTROL SURFACE WATER BY ACCEPTABLE METHODS OF DEWATERING.
- 10. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IN THE EVENT THE SOILS CONDITIONS ENCOUNTERED IN THE FIELD VARY FROM THOSE INDICATED IN THE BORING LOGS.

STRUCTURAL CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITIONS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE ACI 302 "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION".
- 2. THE USE OF CALCIUM CHORLIDE IN ANY CONCRETE IS STRICTLY PROHIBITED.
- 3. SLAG CEMENT OR FLY ASH AMY BE SUBSTITUTED FOR PORTLAND CEMENT NOT EXCEEDING 30 PERCENT FOR SLAG CEMENT OR 15 PERCENT FOR FLY ASH BY WEIGHT.
- 4. REFER TO ACI 305 FOR REQUIREMENTS FOR PLACING CONCRETE IN HOT WEATHER AND ACI 306 FOR REQUIREMENTS FOR PLACING CONCRETE IN COLD WEATHER.
- 5. LOCATE JOINTS, IF PROVIDED, AT POINTS OF MINIMUM STRESS.
 HORIZONTAL JOINTS IN ANY CONCRETE POURS ARE NOT PERMITTED.
- 6. CLEAN AND MOISTEN ALL CONSTRUCTION JOINTS IMMEDIATELY PRIOR TO PLACING FRESH CONCRETE.
- 7. REFER TO ACI 318, CHAPTER 7.7 FOR MINIMUM CONCRETE COVER REQUIREMENTS.
- 8. REFER TO THE ARCHITECTURAL, MECHANICAL. ELECTRICAL AND PLUMBING DRAWINGS FOR CURBS, PADS, DEPRESSIONS, WALL/SLAB OPENINGS, SPECIAL FINISHES, ETC. PROVIDE ONLY THOSE OPENINGS SHOWN ON THE APPROVED SHOP DRAWINGS. REINFORCING BARS SHALL NOT BE CUT OR DISPLACED FOR THE WORK OF OTHER TRADES WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- 9. DETAIL, FABRICATE, LABEL, SUPPORT AND PLACE ALL CONCRETE REINFORCEMENT IN ACCORDANCE ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" AND ACI 318.
- 10. PROVIDE DOWELS, WHERE REQUIRED, TO MATCH MAIN REINFORCING SIZE AND SPACING.
- 11. NO ALUMINUM OF ANY KIND CAN BE PLACED IN THE CONCRETE UNLESS COATED TO PREVENT ALUMINUM—CONCETE REACTION. THIS INCLUDES PUMPING THE CONCRETE THROUGH AN ALUMINUM PIPE.
- 12. PROVIDE ONLY CONCRETE AND REINFORCING MATERIALS OF THE TYPES AND GRADES LISTED IN THE TABLE BELOW:

CONCRETE	F'c (PSI)	UNIT	WEIGHT ((PCF
FOOTINGS SLAB ON GRA ALL OTHER C		3000 PSI 4000 PSI 3000 PSI	150	PCF PCF PCF

REINFORCING BARS ASTM A-615 GRADE 60
WELDED WIRE FABRIC ASTM A-82 AND ASTM A-185 FOR PLAIN BARS

WOOD FRAMING

1. PROVIDE WOOD FRAMING MEMBERS OF THE SIZES AND SPACINGS SHOWN ON THE STRUCTURAL DRAWINGS. ALL FRAMING SHALL BE INSTALLED WITH BRIDGING, NAILING AND OTHER REQUIREMENTS OF THE NATIONAL DESIGN SPECIFICATION BY THE AMERICAN FOREST AND PAPER ASSOCIATION.

- 2. FRAME ALL OPENINGS AS SHOWN, OR IF NO FRAMING IS INDICATED, IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE "MANUAL FOR FRAME CONSTRUCTION". DO NOT SPLICE ANY STRUCTURAL MEMBERS BETWEEN SUPPORTS.
- 3. UNLESS OTHERWISE INDICATED, ALL LUMBER NOTED ON THE DRAWINGS SHALL BE CONFORM TO THE FOLLOWING MINIMUM DESIGN VALUES:

 DIMENSIONAL LUMBER:
 S-P-F NO. 2

 Fb:
 775 PSI

 Ft:
 350 PSI

 Fv:
 135 PSI

 Fc: (PARALLEL)
 1300 PSI

 E:
 1,000,000 PSI

 MOISTURE CONTENT
 19% MAXIMUM

MANUFACTURED LUMBER (MICROLAMS)

E: 1,900,000 PSI Fb: 2200 PSI

- 4. PLYWOOD SHEATHING FOR THE ROOF AND WALLS IS TO BE APA RATED SHEATHING AND COMPLY WITH "U.S. PRODUCT STANDARD PS 1-95 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" OR APA PRP-108 "PERFORMANCE STANDARDS AND POLICIES FOR STRUCTURAL USE PANELS", FORM NO. E445.
- 5. ANCHOR AND NAIL AS SHOWN AND TO COMPLY WITH THE RECOMMENDED NAILING SCHEDULE OF THE "MANUAL FOR FRAME CONSTRUCTION" AND THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE AMERICAN FOREST AND PAPER ASSOCIATION.

PRE-ENGINEERED WOOD TRUSSES

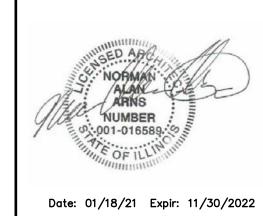
- 1. TRUSSES SHALL BE DESIGNED FOR FORCES SHOWN ON THE STRUCTURAL DRAWINGS AND TO COMPLY WITH THE TRUSS PLATE INSTITUTE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES" AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION.
- 2. TRUSSES SHALL BE FABRICATED BY A MANUFACTURER WHO IS A MEMBER OF THE TRUSS PLATE INSTITUTE AND WHO HAS COMPLETED SIMILAR TYPES OF WORK.
- 3. ENGINEERING DRAWINGS SHALL BE SUBMITTED FOR REVIEW. THE DRAWINGS SHALL INDICATE ALL DESIGN LOAD INFORMATION USED IN THE DESIGN OF THE TRUSSES. CALCULATIONS SHALL BE SUBMITTED FOR THE TRUSSES BEARING THE SEAL OF A LICENSED STRUTURAL ENGINEER IN THE STATE OF ILLINOIS.
- 4. ALL TRUSSES SHALL BE DESIGNED FOR A LIVE LOAD DEFLECTION OF SPAN/360.
- 5. ALL TRUSSES SHALL BE ERECTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE TRUSS PLATE INSTITUTE. TRUSSES SHALL BE PROPERLY BRACED DURING ERECTION AS WELL AS AFTER PERMANENT INSTALLATION. ERECTION BRACING SHALL HOLD THE TRUSSES STRAIGHT AND PLUMB AND IN SAFE CONDITION UNTIL DECKING AND PERMANENT TRUSS BRACING HAD BEEN INSTALLED. ERECTION BRACING SHALL BE INSTALLED PRIOR TO APPLICATION OF ANY LOADS.



CONSULTANTS		

STATEMENT OF COMPLIANCE
I HAVE PREPARED, OR CAUSED TO BE PREPARED
UNDER MY DIRECT SUPERVISION, THE ATTACHED
PLANS AND SPECIFICATIONS AND STATE THAT, TO
THE BEST OF MY KNOWLEDGE AND BELIEF AND TO
THE EXTENT OF MY CONTRACTUAL OBLIGATION,
THEY ARE IN COMPLIANCE WITH ALL THE
APPLICABLE CODES, INCLUDING THE
ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND
THE ILLINOIS ACCESSIBLITY CODE (71 ILL. ADM.
CODE 400), OF:

ARURORA, ILLINOIS



ILLINOIS DESIGN FIRM NO. 184-005411

DATE
01/18/21

DRAWN BY:		STAFF
APPROVED:		AA
PROJECT NO.		20-015
DATE		01/18/21
@ 2021 A+M	Architects,	LLC

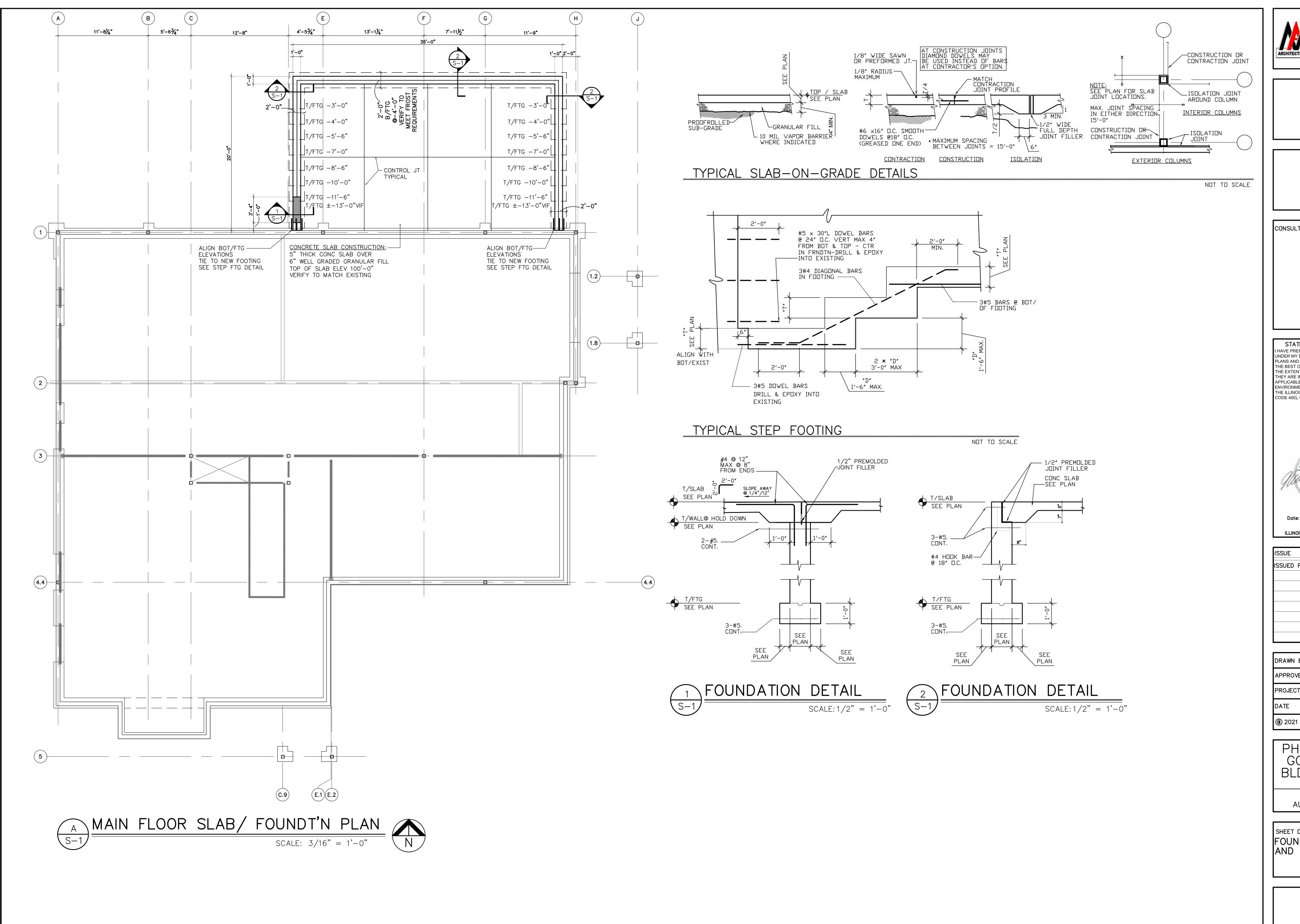
PHILLIPS PARK
GOLF COURSE
BLD'G ADDITION

1001 HILL AVE. AURORA,, ILLINOIS

SHEET DESCRIPTION
STRUCTURAL NOTES

SHEET NUMBER

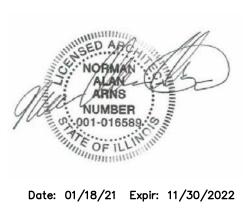
SHEET 1 of 4





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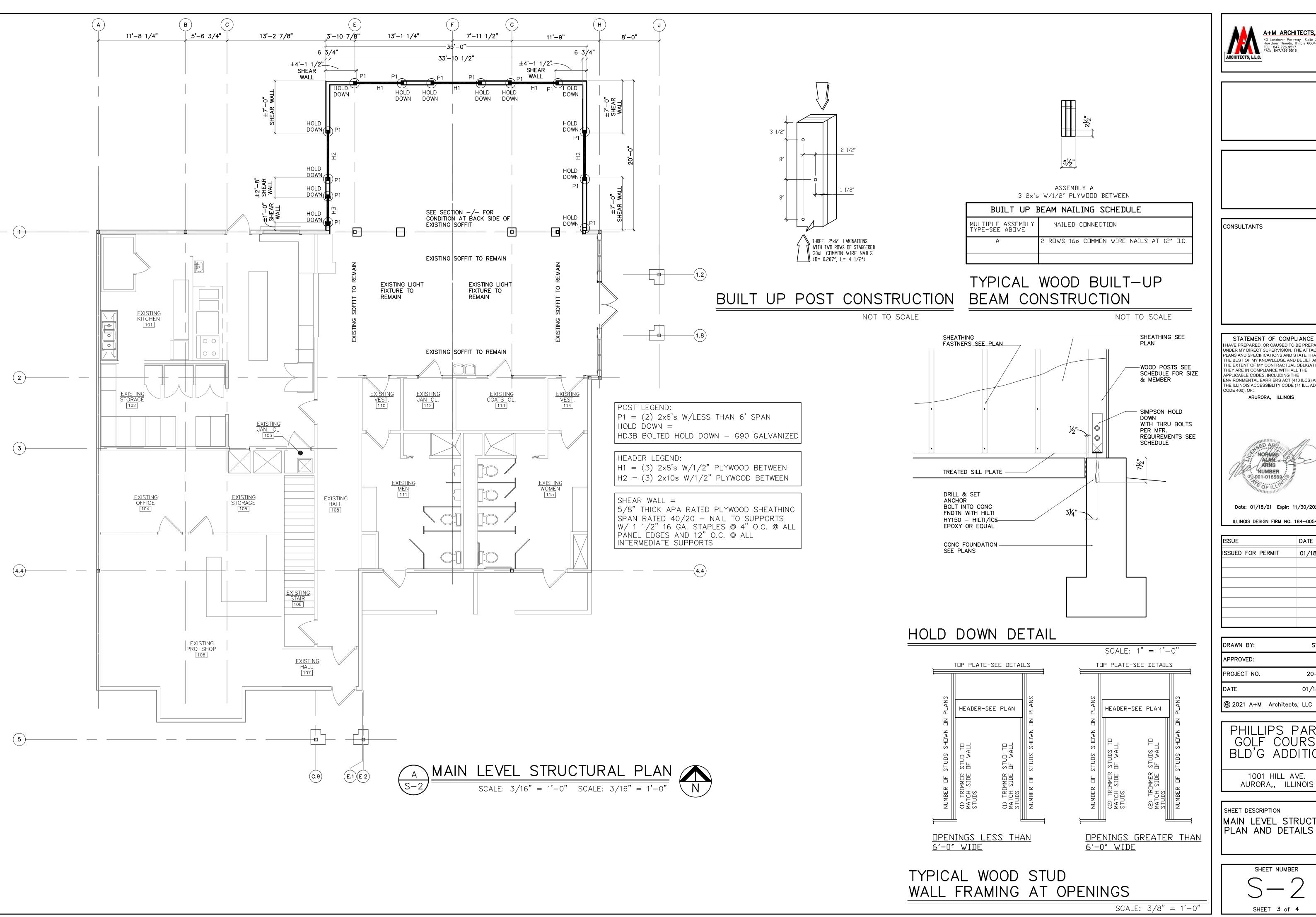
PHILLIPS PARK
GOLF COURSE
BLD'G ADDITION

1001 HILL AVE.
AURORA,, ILLINOIS

SHEET DESCRIPTION
FOUNDATION PLAN,
AND DETAILS

SHEET NUMBER

SHEET 2 of 4



STATEMENT OF COMPLIANCE HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, T THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL THE APPLICABLE CODES, INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBLITY CODE (71 ILL. ADM. ARURORA, ILLINOIS Date: 01/18/21 Expir: 11/30/2022 ILLINOIS DESIGN FIRM NO. 184-005411

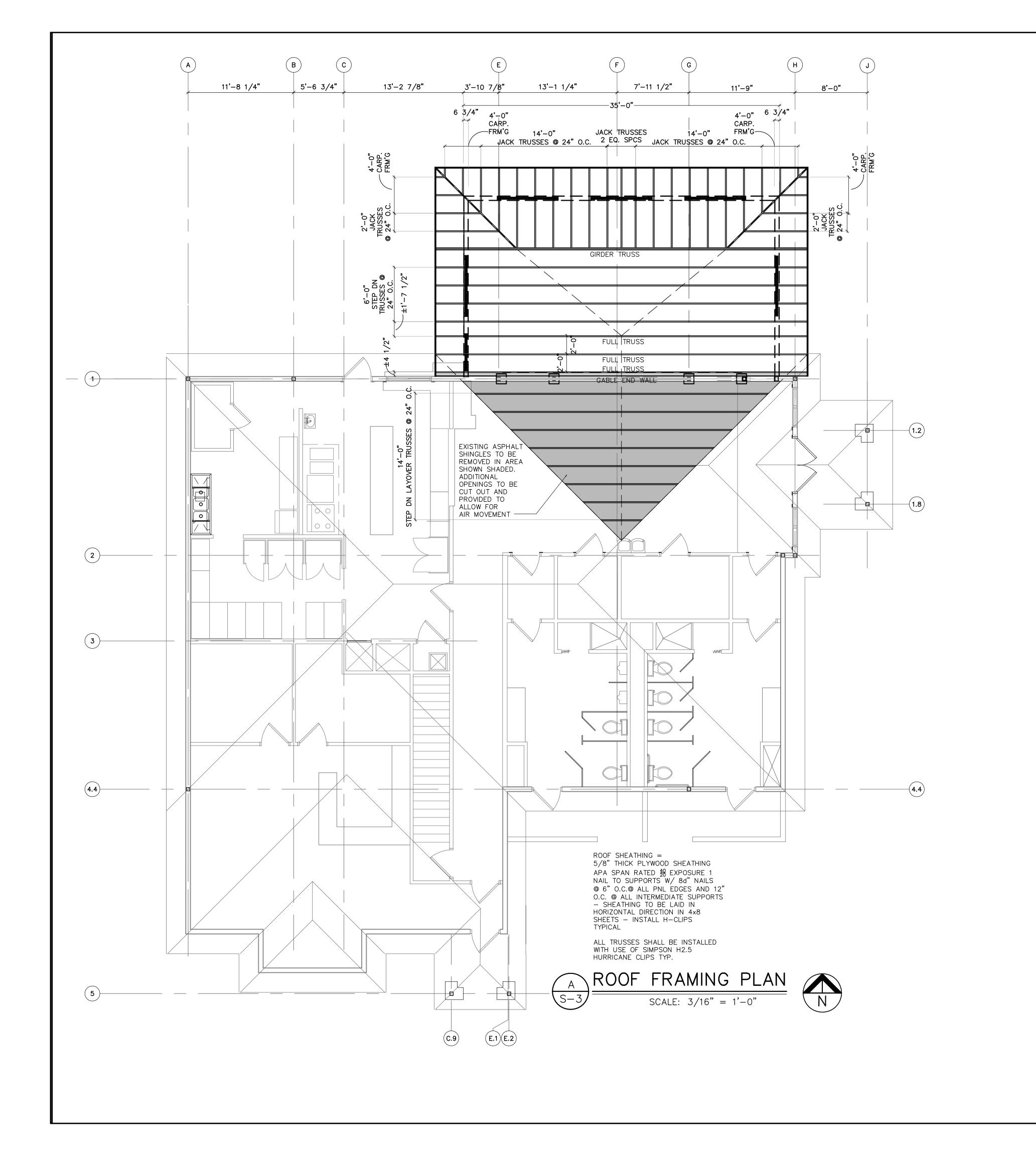
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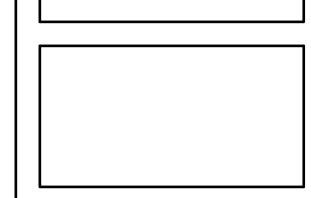
PHILLIPS PARK GOLF COURSE BLD'G ADDITION 1001 HILL AVE.

SHEET DESCRIPTION MAIN LEVEL STRUCT. PLAN AND DETAILS

SHEET NUMBER

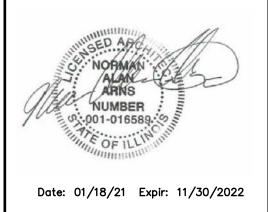






STATEMENT OF COMPLIANCE
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ARURORA, ILLINOIS



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	DATE			01/18/2
	@ 2021	A+M	Architects,	LLC

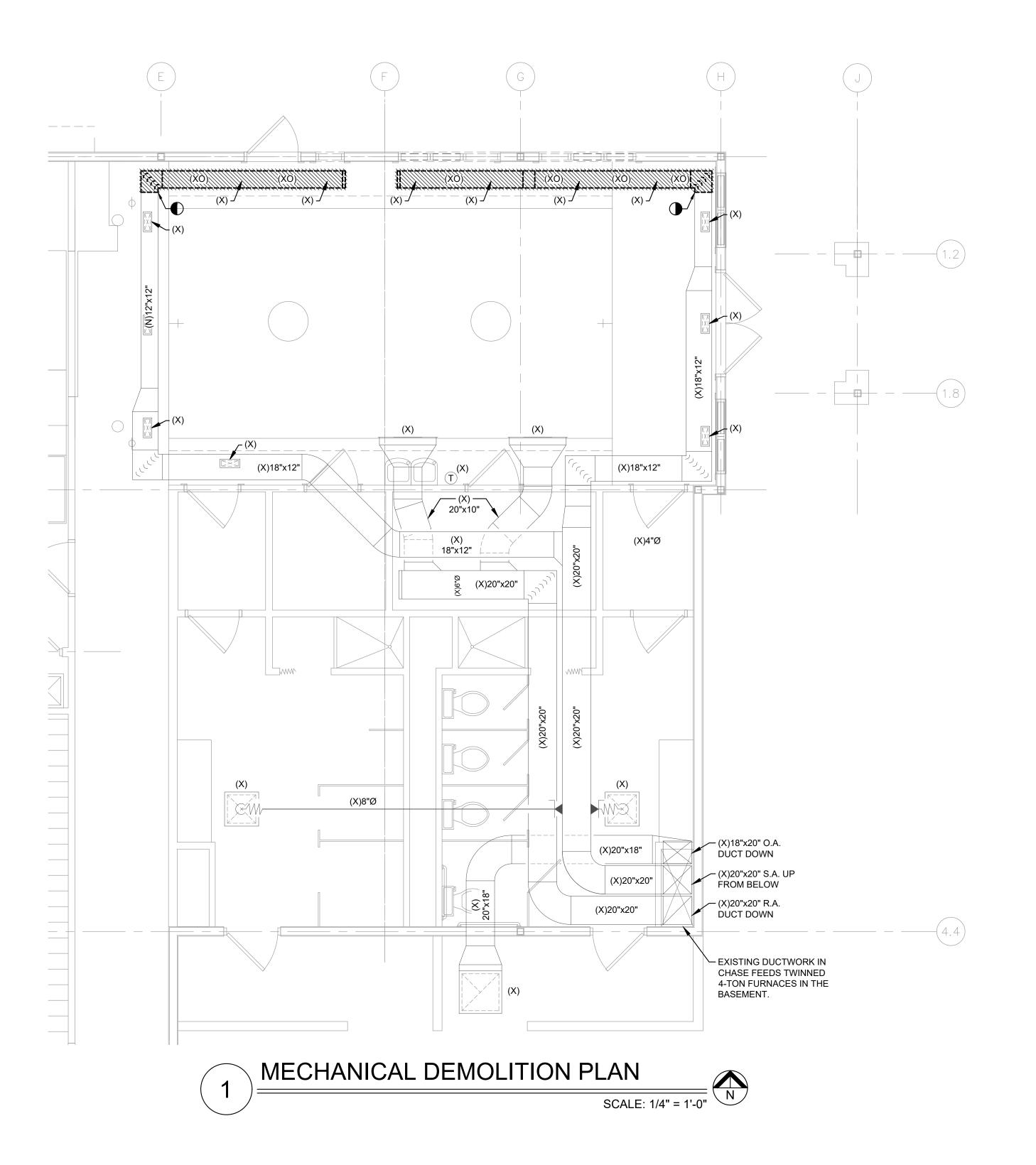
PHILLIPS PARK GOLF COURSE BLD'G ADDITION

1001 HILL AVE. AURORA,, ILLINOIS

SHEET DESCRIPTION
ROOF FRAMING PLAN

SHEET NUMBER

SHEET 4 of 4



DEMOLITION NOTES

- 1. BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING A COMPLETE BID WITHIN THE SCOPE OF THE PLANS AND SPECIFICATIONS. WHEN UNCLEAR, VERIFY THE EXTENT OF REMOVALS PRIOR TO BID. BRING TO THE ATTENTION OF THE ENGINEER ANY QUESTIONS IN REGARD TO THE EXTENT OF WORK OR ANY OTHER ISSUES RELATING TO THIS PROJECT.
- REMOVE ALL EXISTING MATERIAL AND EQUIPMENT INDICATED ON PLAN. THE OWNER SHALL HAVE FIRST RIGHTS TO ALL EQUIPMENT TO BE REMOVED. DISPOSE OF ALL EQUIPMENT AND MATERIAL THAT IS NOT WANTED BY OWNER IN AN APPROVED MANNER PER LOCAL AUTHORITY.
- 3. WHEN THE EXTENT OF REMOVALS IS UNCLEAR, REQUEST CLARIFICATION FROM THE ENGINEER PRIOR TO COMMENCING WORK.
- 4. WHEN MECHANICAL SYSTEMS ARE BEING REMODELED, COVER AND SEAL OPENINGS IN DUCTWORK, PIPING, OR MECHANICAL EQUIPMENT IN OPERATION THROUGH THE REMAINDER OR THE PROJECT.
- REPAIR ALL DAMAGE TO WALLS, CEILING, ETC. IN A WORKLIKE MANNER. SEAL ALL WALL AND CEILING OPENINGS WITH MATCHING MATERIAL.
- THE LOCATION OF EQUIPMENT SHOWN ON THE DRAWINGS IS BASED ON SITE OBSERVATIONS AND THE THE BEST AVAILABLE INFORMATION AT THE TIME OF DRAWING PREPARATION AND SOME DISCREPANCIES MAY EXIST. VERIFY EXACT LOCATIONS OF EQUIPMENT TO BE REMOVED IN THE FIELD AND REQUEST CLARIFICATION FROM THE ENGINEER WHEN LOCATION OR EXISTENCE DIFFERS FROM PLANS.
- 7. COORDINATE WITH LANDLORD PRIOR TO REMOVING PIPING, DUCTWORK, EQUIPMENT, ETC... THAT MAY AFFECT OPERATIONS OUTSIDE OF TENANT SPACE.
- 3. REMOVE ALL REMAINING UNUSED DUCTWORK, PIPING, ETC., NOT BEING REUSED BY TENANT. VERIFY THAT DUCTWORK OR PIPING IS NOT BEING USED OUTSIDE OF TENANT SPACE PRIOR TO REMOVAL.

l	LEGEND						
X	EXISTING TO REMAIN						
N	NEW						
XR	EXISTING RELOCATED						
XRR	EXISTING TO BE RELOCATED						
XO	EXISTING TO BE DEMOED						
	POINT OF DEMOLITION						
•	POINT OF NEW CONNECTION						





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409 S. Highland Ave.
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mhernandez@mghengineering.com
Phone: 773.314.7819

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2711 271 101 271 111 11100

ILLINOIS DESIGN FIRM NO. 184-005411

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DRAWN BY: JD

APPROVED: MGH

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PHILLIPS PARK GOLF COURSE BLD'G ADDITION

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1001 HILL AVE.

AURORA,, ILLINOIS

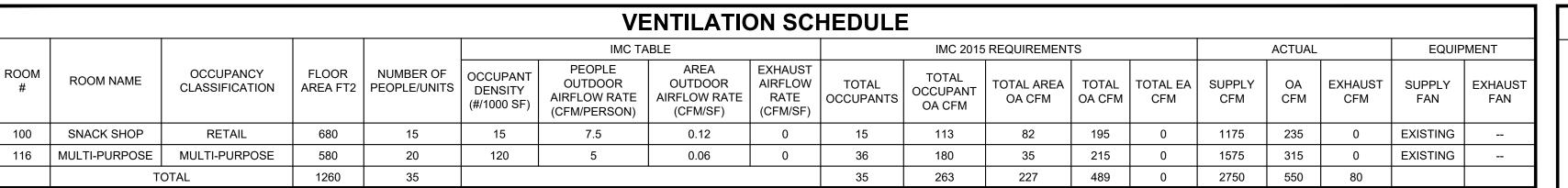
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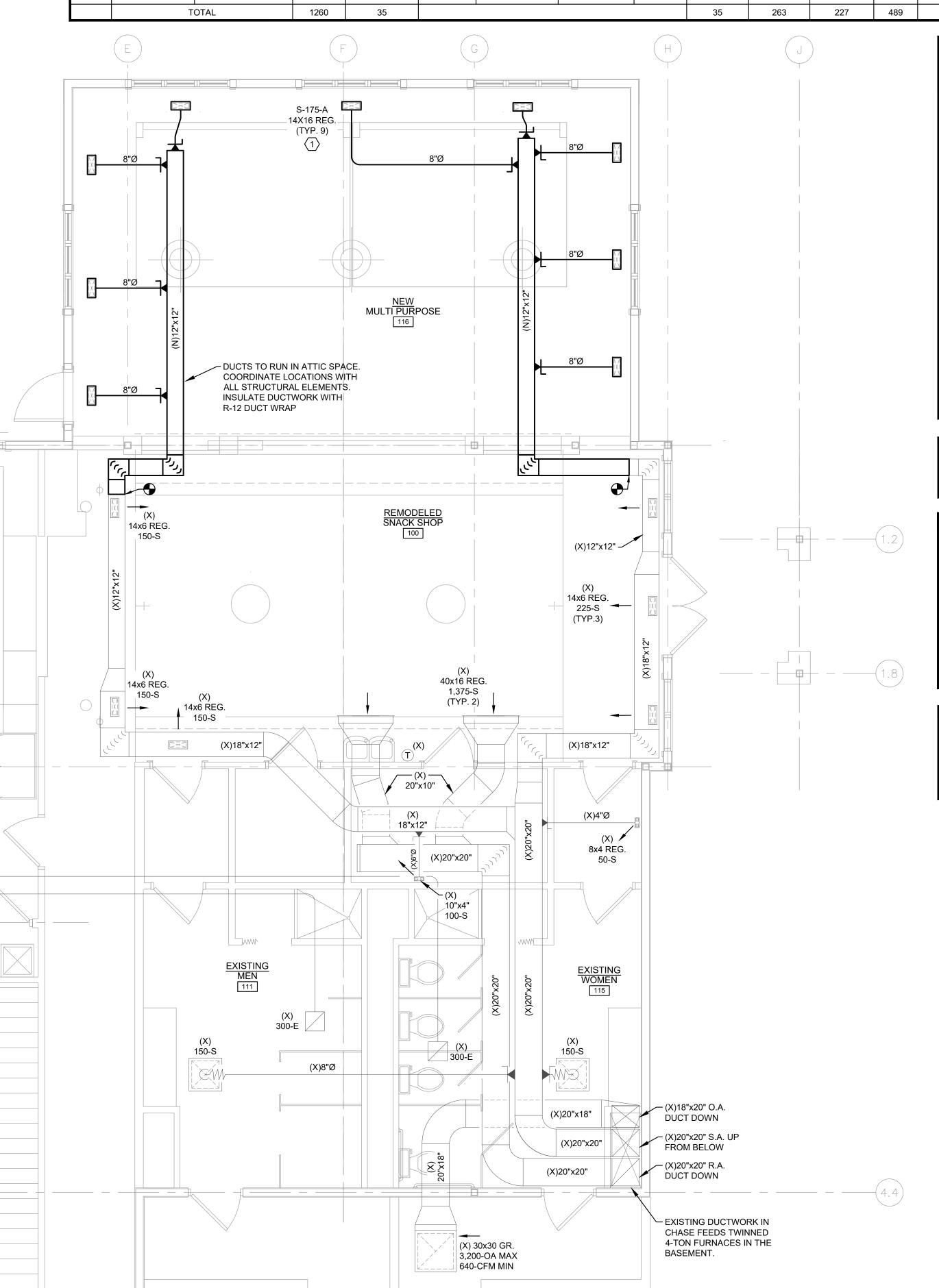
MECHANICAL DEMOLITION FLOOR PLAN

SHEET NUMBER

MD-1

SHEET 1 of 2





PROPOSED MECHANICAL PLAN

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

MECHANICAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL APPLICABLE CODES.
- 2. ALL EQUIPMENT SHALL BE U.L., ETL, AND/OR AGA LABELED AS REQUIRED.

SMACNA STANDARDS.

GENERAL NOTES

THE EXISTING HVAC EQUIPMENT IS TO REMAIN AND BE

PERFORMANCE AND PROVIDE ANY NECESSARY REPAIRS,

REPLACEMENT, AND CALIBRATION FOR PROPER FUNCTION.

CONTRACTOR IS RESPONSIBLE FOR ADJUSTING DIFFUSER

PROVIDE A DETAILED TEST & BALANCE REPORT PRIOR TO

PRIMED AND READY FOR PAINT. ALL EXPOSED DUCTWORK

AND AIR HANDLER AIRFLOWS AS SHOWN ON PLAN.

ALL DUCTWORK SHALL BE GALVANIZED SHEET-METAL

SHALL BE FREE OF NOTICEABLE DENTS, DINGS, AND

CONTRACTOR SHALL COORDINATE DUCTWORK WITH LOCATION OF ALL STRUCTURAL MEMBERS, PIPING,

DUCT DIMENSIONS ARE CLEAR INTERNAL DIMENSIONS.

ALL EXISTING CONDITIONS SHOWN ARE BASED ON

KNOWLEDGE AT THE TIME OF PLAN PREPARATION.

WHERE INTERNAL LINING IS PROVIDED ON DUCTWORK,

SIZES SHALL BE INCREASED TO ACCOMMODATE FOR THE

THICKNESS. INTERNAL LINING ON EXPOSED DUCTWORK IS

NOT REQUIRED, BUT RECOMMENDED FOR AREAS OF HIGH HUMIDITY, PROXIMITY TO BUILDING OPENINGS, OR WHERE

PREVIOUS DESIGN DOCUMENTS AND THE BEST AVAILABLE

CONTRACT SHALL VERIFY ALL EXISTING CONDITIONS AND

NOTIFY ENGINEER OF ANY MAJOR DISCREPANCIES THAT

PROPOSED KEYED NOTES

1 NEW REGISTERS SHALL MATCH THE STYLE OF EXISTING

LEGEND

EXISTING TO REMAIN

EXISTING RELOCATED

EXISTING TO BE RELOCATED

POINT OF NEW CONNECTION

EXISTING TO BE DEMOED

POINT OF DEMOLITION

EXISTING AIR HANDLER

INDOOR AIR HANDLER: (2) x CARRIER #58MCA100, GAS

OUTDOOR AC CONDENSING UNIT: CARRIER #38AKS009 -

FURNACE - 100MBH INPUT - 93% EFFICIENT,

8.5 TONS OF COOLING (MFG. 2001)

MANNER AND EXCESS SEALANT WIPED OFF.

ANY CONFLICTS PRIOR TO INSTALLATION.

BUILDING ENVELOPE IS LEAKY.

COULD AFFECT THE DESIGN INTENT.

REGISTERS.

XO

SCRATCHES. ALL JOINTS SHALL BE SEALED IN A CLEAN

SPRINKLERS, ARCHITECTURAL ELEMENTS, ETC. IDENTIFY

CLOSEOUT.

RE-USED. CONTRACTOR SHALL VERIFY UNIT'S

- B. ALL DUCTWORK SHALL BE PRIME GRADE GALVANIZED SHEET METAL PER
- 4. DUCTWORK SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING TEN (10) FEET OR BY OTHER APPROVED DUCT SUPPORT SYSTEMS DESIGNED IN ACCORDANCE WITH THE BUILDING CODE. FLEXIBLE AND OTHER FACTORY-MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 5. MECHANICAL CONTRACTOR SHALL PROVIDE SPIN-IN COLLARS WITH DAMPERS AT ALL ROUND BRANCH TAKEOFFS TO DIFFUSERS.
- 6. DUCTWORK CONSTRUCTION MATERIALS, INCLUDING COVERINGS, LININGS, AND ADHESIVES, EXPOSED WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84.
- 7. PROVIDE FIRE DAMPERS BY "NAILOR" OR APPROVED EQUAL AT ALL PENETRATIONS THRU RATED ASSEMBLIES. REFER TO ARCHITECTURAL PLANS FOR ALL LOCATIONS AND RATINGS. ALL FIRE DAMPERS MAY NOT BE SHOWN ON THE PLANS. THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND QUANTITIES.
- 8. MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE CANVAS CONNECTIONS AT ALL EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE AIR CONNECTORS FOR ALL DIFFUSERS. FLEXIBLE CONNECTORS SHALL NOT EXCEED FIVE (5) FEET.
- O. FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONNECTORS, BOTH METALLIC AND NONMETALLIC, SHALL BE TESTED IN ACCORDANCE WITH UL 181. SUCH DUCTS SHALL BE LISTED AND LABELED AS CLASS 0 OR CLASS 1.
- OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXHAUST VENT, FLUE VENT OR ANY OTHER MECHANICAL SOURCE OF CONTAMINATION AND TWELVE (12) FEET FROM ANY PLUMBING VENT.
- 2. MECHANICAL CONTRACTOR SHALL PROVIDE BALANCING REPORTS BY A CERTIFIED BALANCER UPON COMPLETION OF PROJECT. PROVIDE INSPECTOR REPORTS PRIOR TO FINAL INSPECTION.
- 13. ALL THERMOSTATS SHALL BE MOUNTED IN ACCORDANCE WITH ADA REQUIREMENTS. WHERE THE THERMOSTAT IS ACCESSIBLE BY FRONTAL APPROACH ONLY, THEN THE MOUNTING HEIGHT OF THE THERMOSTAT SHALL BE 4'-0" A.F.F. WHERE THE THERMOSTAT IS ACCESSIBLE FROM A SIDE APPROACH, THEN THE MOUNTING HEIGHT OF THE THERMOSTAT SHALL BE 4'-6" A.F.F.
- ELECTRICAL CONTRACTOR SHALL WIRE ALL EQUIPMENT AND SHALL PROVIDE DISCONNECT SWITCHES, STARTERS AND/OR RELAYS AS REQUIRED.
- 5. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, UTILITY BOXES, AND WIRING FOR ALL THERMOSTATS. MECHANICAL CONTRACTOR SHALL FURNISH. MOUNT. AND TERMINATE THERMOSTATS ONLY.
- 16. ELECTRICAL CONTRACTOR SHALL PROVIDE RETURN SMOKE DETECTORS IN SYSTEMS WITH A DESIGN CAPACITY OF GREATER THAN 2,000 CFM AND SUPPLY SMOKE DETECTORS IN SYSTEMS GREATER THAN 15,000 CFM. WIRE PER LOCAL CODE.
- 17. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120 VOLT, 15 OR 20 AMP GFCI CONVENIENCE OUTLET FOR ALL ROOFTOP, ATTIC SPACE, OR CRAWL SPACE HVAC EQUIPMENT. CONVENIENCE OUTLET SHALL BE ON THE SAME LEVEL AND WITHIN 25'-0" OF HVAC EQUIPMENT.
- 18. EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THIS CODE. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT TIME OF INSPECTION, INCLUDING LISTING FOR OUTSIDE INSTALLATION WHEN APPLICABLE.
- 9. SUBMIT UL LISTED FIRE STOPPING MATERIALS AND SYSTEMS WHERE FIRE RATED ASSEMBLIES ARE BREACHED.

DESIGN CRITERIA

BASED ON ASHRAE HANDBOOK - 2017 FUNDAMENTALS

AURORA, ILLINOIS

OUTDOOR DESIGN CONDITION

1% COOLING: 88.4°/73.5°F DB/WB

99.6% HEATING: -2°F DB

INDOOR DESIGN CONDITION
SUMMER: 75°F DB/50% RH

JMMER: 75°F DB/50% RH WINTER: 70°F DB

MECHANICAL LEGEND

EQUIPMENT

AIR DEVICE

S-200-A → TYPE-CFM-DEVICE TAG 8"Ø NK → NECK SIZE

RTU \ — MARK (SEE SCHEDULE)

EQUIPMENT NUMBER

ENERGY NOTES

- MOTORIZED DAMPERS SHALL BE INSTALLED ON ALL INTAKES AND EXHAUST OPENINGS UNLESS NOTED OTHERWISE.
- MAXIMUM FAN NAMEPLATE HORSEPOWER SHALL NOT EXCEED 1.1 HP/1000CFM.
- LOAD CALCULATIONS WERE BASED ON ASHRAE 2017 FUNDAMENTALS
- 4. ALL PROGRAMMABLE THERMOSTATS SHALL HAVE 5 DEGREE DEADBAND AND SHALL HAVE 7-DAY CLOCK, 2-HOUR MANUAL OVERRIDE, 10 HOUR BACKUP AND SETBACK CAPABLE OF 55 DEGREES HEATING AND 85 DEGREES COOLING. (EXCEPT CONTINUOUS OPERATING ZONES)
- DUCT INSULATION AS SPECIFIED WITH MINIMUM VALUES AS FOLLOWS: R-6 SUPPLY AND RETURN DUCT INSULATION IN UNCONDITIONED
 - R-12 SUPPLY AND RETURN DUCT INSULATION FOR EXTERIOR DUCTS.
 R-3 SUPPLY AND RETURN DUCT INSULATION UNDERGROUND.
- 6. ALL DUCTWORK SHALL BE SEALED PRESSURE SENSITIVE TAPE IS NOT USED AS THE PRIMARY SEALANT. LONGITUDINAL AND TRANSVERSE SEAMS FOR DUCTS IN UNCONDITIONED SPACES AND WALL PENETRATIONS. TRANSVERSE SEAMS ON BURIED DUCTS.



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PHILLIPS PARK GOLF COURSE BLD'G ADDITION

> 1001 HILL AVE. AURORA,, ILLINOIS

SHEET DESCRIPTION

PROPOSED MECHANICAL FLOOR PLAN AND NOTES

SHEET NUMBER

SHEET 2 of 2

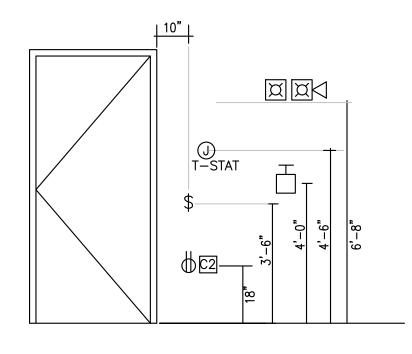
GENERAL NOTES

- THIS INSTALLATION SHALL BE IN COMPLIANCE WITH THE AURORA. IL BUILDING CODES OF ORDINANCES, LOCAL AMENDMENTS AND NATIONAL CODES INCLUDING BUT NOT LIMITED TO: IBC, NEC, 2018IECC, AND NFPA72.
- 2. BEFORE COMMENCING WORK THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY INFORM HIMSELF OR HERSELF OF ALL CONDITIONS THAT AFFECT THE WORK, EXAMINE THE DRAWINGS AND SPECIFICATIONS SHEET, AND SUBMIT ANY QUESTIONS IN WRITING TO THE ARCHITECT AND ENGINEER.
- ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION SHEET AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.
- 4. THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT BEFORE COMMENCING ANY WORK. THE PROJECT DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, THE MOST STRICT METHOD GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.
- THE ELECTRICAL CONTRACTOR SHALL CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS THAT ARE PART OF THIS PROJECT TO ENSURE THAT NO FIXTURE, OUTLET, ALARM STATION, CONTROL DEVICE, POWER WIRING DEVICE, ETC ... IS OMITTED. HE/SHE SHALL CONSULT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF BUILDING EQUIPMENT. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.
- 6. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS MUST BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE
- INSTALL ELECTRICAL DEVICES AS INDICATED IN THIS SET OF DRAWINGS. ADJUST FINAL DEVICE LOCATIONS AS REQUIRED TO ACCOMMODATE WORK. COORDINATE WITH ALL TRADES INVOLVED AND WITH ARCHITECTURAL CASEWORK AND ELEVATIONS DRAWINGS. NOTIFY THE ENGINEER AND/OR THE ARCHITECT IF ANY CONFLICTS ARE FOUND PRIOR TO BIDDING PROJECT. INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.
- 8. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.
- 9. CONDUIT RUNS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. ALL CONDUITS SHALL RUN CONCEALED, EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY THE ARCHITECT.
- 10. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.
- 11. ADJACENT POWER AND DATA DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED. SEE DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
- 12. ALL RECEPTACLES, VOICE AND DATA OUTLETS SHALL BE MOUNTED PER MOUNTING HEIGHT LEGEND, UNLESS OTHERWISE NOTED. SEE DETAIL THIS SHEET FOR ADDITIONAL INFORMATION. ALL DEVICES SHALL BE NEW. REFER TO ARCHITECTURAL CASEWORK DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT DEVICES MOUNTING HEIGHTS.
- 13. REFER TO FIRE ALARM SHEET IN THIS SET OF DRAWINGS FOR FIRE ALARM SYSTEM INFORMATION.
- 14. DETERMINE, IN ADVANCE OF PURCHASE, THAT ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL FIT INTO THE ROOM OR SPACE ALLOCATED AS INDICATED ON THE DRAWINGS, ALLOWING SUFFICIENT CLEARANCE FOR THE SAFE SERVICE AND/OR MAINTENANCE OF RELATED EQUIPMENT, INCLUDING THAT OF OTHER TRADES.
- 15. ALL CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR INSTALLED. COLOR OF GROUNDING CONDUCTOR SHALL BE GREEN. SIZE OF GROUNDING CONDUCTOR SHALL BE AS REQUIRED PER NEC ARTICLE
- 16. ALL BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR INSTALLED UNLESS OTHERWISE INDICATED. COLOR OF NEUTRAL CONDUCTOR SHALL BE WHITE.
- 17. ALL CONDUCTOR SHALL BE MADE OF COPPER. MINIMUM WIRE SIZE SHALL BE #12AWG UNLESS OTHERWISE INDICATED. UTILIZE SOLID CONDUCTORS FOR WIRE GAGES UP TO #12AWG AND STRANDED CONDUCTOR FOR GAGES #10AWG AND LARGER.
- 18. SPECIAL RECEPTACLES PLUG CONFIGURATION REQUIREMENTS SHALL BE COORDINATED WITH EQUIPMENT PLUG REQUIREMENTS PRIOR TO INSTALLATION.
- 19. ALL FEEDER AND BRANCH CIRCUIT WIRING INSTALLED INDOORS SHALL USE THHN INSULATION (90F). ALL WIRING INSTALLED OUTDOORS SHALL USE THWN INSULATION (75F). REFER TO SPECIFICATION SHEET FOR COLOR CODED REQUIREMENTS.
- 20. ALL POWER WIRING SHALL BE INSTALLED IN A DEDICATED RACEWAY SYSTEM. MINIMUM RACEWAY SIZE SHALL BE 3/4"C UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL SIZE ALL CONDUITS SO AS TO NOT EXCEED 40% OF CONDUIT FILLING CAPACITY. WHEN MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN THE SAME CONDUIT AND AMBIENT TEMPERATURES ADJUSTMENT FACTORS PER ELECTRICAL CODE TABLES 310.15(B)(2)(A), 310.15(B)(3)(A) SHALL BE APPLIED.
- 21. ALL CIRCUITS SERVING EMERGENCY EXIT SINGS, NIGHT LIGHTS AND EXTERIOR LIGHTS SHALL UTILIZE #10 WIRE TO MINIMIZED VOLTAGE DROP UNLESS OTHERWISE INDICATED.
- 22. ALL BREAKERS SERVING FIRE ALARM EQUIPMENT AND EXIT SIGNS SHALL HAVE LOCK-OUT DEVICE INSTALLED UNLESS OTHERWISE INDICATED.
- 23. DISTRIBUTION PANELS AND BRANCH CIRCUIT PANELBOARDS, SHALL BE LABELED WITH PANEL NAME AND ALSO HAVE A PANEL DIRECTORY INSTALLED. UTILIZE TYPE WRITER AS A MINIMUM FOR COMPLIANCE. HAND WRITTEN CARD DIRECTORIES ARE NOT ACCEPTABLE.
- 24. PANELBOARDS, DISCONNECT SWITCHES, ETC. SHALL BE LABEL WITH A READILY VISIBLE LABEL PER NFPA 70E, STANDARD FOR SAFETY IN THE WORKPLACE, LABEL SHALL BE CLEARLY VISIBLE TO PERSONNEL AND SHALL READ "CAUTION ARC FLASH HAZARD" ALSO LABELS SHALL INDICATE THE AVAILABLE SHORT CIRCUIT CURRENT AT EQUIPMENT, PPE, VOLTAGE, PHASES, SIZE AND COLOR OF TEXT SHALL BE PER STANDARD.
- 25. ALL FINAL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT SHALL BE DONE WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL GREEN GROUNDING CONDUCTOR.
- 26. ALL FINAL BREAKERS AND CONDUCTORS SIZES SERVING MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH MECHANICAL SHOP DRAWINGS AND CONTRACTOR PRIOR TO INSTALLATION. E.C. SHALL COORDINATE WITH HVAC CONTRACTORS EXACT POINT OF CONNECTION TO THE EQUIPMENT PRIOR TO ROUGH-IN.
- 27. ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE WEATHER PROOF RATED.

GENERAL NOTES (CONTINUE)

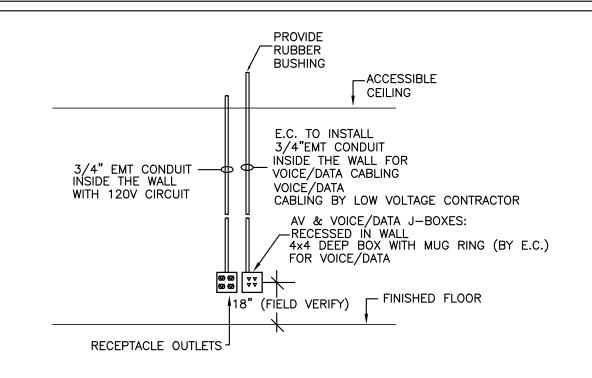
- REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
- 28. INSTALL CONDUIT FROM THE TOP OF THE BAR JOIST.
- 29. LABEL ALL J-BOXES COVER PLATES, RECEPTACLES COVER PLATES WITH CIRCUIT INFORMATION AND PANEL SOURCE. UTILIZE P-TOUCH LABEL OR
- 30. ALL MOUNTING HEIGHTS OF DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS OR ARCHITECT PRIOR TO ROUGH-IN.
- 31. DO NOT INSTALL DEVICES IN DIFFERENT ROOMS BACK TO BACK, PROVIDE 6" SIDE BY SIDE IN BETWEEN.
- 32. WHEN APPLICABLE COORDINATE EXACT FURNITURE POWER REQUIREMENTS AND VOICE/DATA FEEDING CONNECTIONS AT EACH LOCATION PRIOR TO ROUGH-IN.
- 33. GENERAL USE RECEPTACLES SHALL BE WHITE IN COLOR WITH STEEL COVER PLATES. FINAL COLOR OF RECEPTACLES & COVER PLATES SHALL BE AS SELECTED BY THE OWNER.
- 34. E.C. SHALL INSTALL J-BOX AND CONDUIT FOR MECHANICAL THERMOSTATS. COORDINATE EXACT LOCATIONS WITH M.C. E.C. SHALL FURNISH AND INSTALL WIRING AND TERMINATE ALL LINE VOLTAGE THERMOSTATS.
- 35. FIRE PROOF ALL PENETRATIONS THRU WALLS AND FLOORS TO RE-STABLISH THE FIRE RATING OF PARTITION.
- 36. PROVIDE MULTI-GANG J-BOX FOR INSTALLATION OF WIRING DEVICES LOCATED AT THE SAME LOCATION UNLESS OTHERWISE INDICATED ON THE FLOOR PLANS. PROVIDE METALLIC DIVIDER PLATES BETWEEN DIFFERENT CIRCUITS IN THE SAME
- 37. ALL PULL BOXES AND JUNCTION BOXES SHALL BE SIZED PER ELECTRICAL CODE ARTICLE 314, TABLES 314.16 BASED IN THE AMOUNT OF CABLE AND CONDUITS ENTERING/LEAVING THE BOX.
- 38. VOICE/DATA/AUDIO VISUAL (AV) SYSTEMS CABLING AND EQUIPMENT SHALL BE PROVIDED BY LOW VOLTAGE CONTRACTOR. EC SHALL PROVIDE REQUIRED JUNCTION BOXES, CONDUIT, AND PULL STRING FOR ALL LOCATIONS.
- 39. FOR THE AREA OF WORK WITH DAMAGED, DETERIORATED, COMPROMISED OR MISSING FIREPROOFING CREATED OR EXPOSED DURING CONSTRUCTION SHALL BE RESTORED TO FULL PROTECTIVE CAPACITY.

MOUNTING HEIGHTS



1. ALL HEIGHTS FOR OUTLETS ARE AS INDICATED. COORDINATE WITH INTERIOR ARCHITECTURAL DRAWINGS. WHERE DIFFERENCES EXIST, USE ARCHITECTURAL MOUNTING HEIGHTS.

ELECTRIC AND VOICE/DATA OUTLETS



1-ADJACENT POWER AND DATA/PHONE DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS

2-ALL RECEPTACLE OUTLETS SHALL BE PROVIDED W/ P-TOUCH LABEL WITH CIRCUIT # AND SOURCE PANEL TAGS

ELECTRICAL SYMBOL LIST

- # DUPLEX RECEPTACLE, # INDICATES CIRCUIT
- → SIMPLEX RECEPTACLE
- $c \rightarrow$ SIMPLEX RECEPTACLE CLOCK STYLE
- GFI

 → DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER
- DUPLEX RECEPTACLE, W/2 USB PORTS
- # QUAD RECEPTACLE (# INDICATES CIRCUIT)
- QUAD RECEPTACLE MOUNTED ABOVE THE COUNTER.
 REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT
- DUPLEX RECEPTACLE MOUNTED AT SWITCH HEIGHT SPECIAL RECEPTACLE COORDINATE EXACT REQUIREMENTS WITH EQUIP. SERVING
- FLUSH MOUNTED FLOOR BOX WITH DUPLEX RECEPTACLE
- FLOOR BOX (REFER TO FLOOR PLAN FOR REQUIREMENTS: PWR, VOICE/DATA & AV
- (PT) POKE THRU SEE DRAWING FOR REQUIREMENTS PΒ
 - PULL BOX TOGGLE SWITCH SPECIFICATION GRADE
- TOGGLE SWITCH WITH DIMMER
- 3-WAY TOGGLE SWITCH
- \$K KEYED SWITCH
- MOMENTARY CONTACT SWITCH CENTER OFF
- RED PILOT LIGHT SWITCH (ON IN THE ON POSITION)
- WALL SWITCH OCCUPANCY SENSOR
- VOLUME SWITCH

 Θ

- CEILING MOUNTED OCCUPANCY SENSOR
- DAY LAY SENSOR
- PHOTOCELL FOR OVERRIDE TIME CLOCK FUNCTION
- HEAVY DUTY FUSIBLE DISCONNECT SWITCH HEAVY DUTY NON-FUSIBLE DISCONNECT SWITCH
 - JUNCTION BOX
- \bigcirc SINGLE POLE DISCONNECT SWITCH TOGGLE STYLE CONTROL TRANSFORMER WITH DISCONNECT SWITCH
- MOTOR WITH MOTOR RATED DISCONNECT SWITCH.



- RACEWAY STUB UP TO ABOVE ACCESSIBLE CEILING WITH END BUSHING CONDUIT CONCEALED IN WALL/ABOVE THE CEILING
- CONDUIT IN CONCRETE SLAB/UNDERGROUND EXPOSED CONDUIT
- FLEXIBLE METAL CONDUIT
- SLEEVE WITH END BUSHINGS ACC SIZE AS INDICATED IN DRAWINGS
- VOICE/DATA OUTLET (2-PORT) (C3:3-PORTS; C4:4PORTS, ETC) (4x4 DEEP BOX WITH MUG RING AND ONE (1) 3/4"C. VOICE OUTLET (4x4 DEEP BOX WITH MUG RING AND ONE (1) 3/4"C. STUB UP
- VOICE/DATA OUTLET (4x4 DEEP BOX WITH MUG RING AND ONE (1) 3/4"C. STUB UP AUDIO/VISUAL/DATA OUTLET
- (4x4 DEEP BOX WITH MUG RING AND ONE (1) 1 1/4"C. STUB UP TO ACC WITH END BUSHING)
- FIRE ALARM REMOTE BOOSTER POWER SUPPLY FIRE ALARM DOUBLE ACTION PULL STATION
- WALL MOUNTED FIRE ALARM STROBE (DEVICE W/ A "C" IS CEILING MTD) WALL MOUNTED FIRE ALARM HORN/STROBE (W/ A "C" IS CEILING MTD)
- FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR FIRE ALARM HEAT DETECTOR (SEE DRAWINGS FOR TYPE) 135FIX, 200FIX, RATE OF RISE (ROR)
- FIRE ALARM DUCT SMOKE DETECTOR
- FIRE ALARM DUCT DETECTOR REMOTE KEYED TEST SWITCH FIRE ALARM MONITOR MODULE
- FIRE ALARM CONTROL RELAY CEILING MOUNTED SPEAKER
- UNIVERSAL MOUNTED (CEILING/WALL) EXIT SIGN WITH CHEVRONS (SEE LIGHT FIXTURE SCHEDULE) 2 x 4 SURFACE MOUNTED LIGHT FIXTURE (SEE LIGHT
- FIXTURE SCHEDULE) 2 x 4 RECESSED MOUNTED LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- 2 x 2 RECESSED MOUNTED LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- NIGHT LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE) LIGHT FIXTURE (SEE LIGHT FIXTURE SCHEDULE)
- EMERGENCY LIGHT (SEE LIGHT FIXTURE SCHEDULE) PANELBOARD
- WIRELESS ACCESS POINT MOTION SENSOR
- LIGHTING CONTROL TIME CLOCK KNOX BOX

 $\langle K \rangle$

ABBREVIATIONS

- WEATHER PROOF WIRE GUARD
- ABOVE THE COUNTER
- CEILING MOUNTED DEVICE
- NIGHT LIGHT
- CLG CEILING RETURN DUCTWORK
- SUPPLY DUCTWORK
- OVERHEAD DOOR OHD
- ABOVE ACCESSIBLE CEILING VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
- DEVICE MOUNTED AT 42 INCHES AFF
- ABOVE FINISH FLOOR
- TAMPER GUARD
- ELECTRICAL WATER COOLER

TAMPER RESISTANT

- METAL WHILE-IN-USE COVER WEATHER PROOF SIMILAR TO
- EATON WIUMH-1 SERIES ELECTRICAL CONTRACTOR E.C.
- MECHANICAL CONTRACTOR
- SECURITY CONTRACTOR AUTHORITY HAVING JURISDICTION
- ELECTRICAL HAND DRYER
- INSTANTANEOUS ELECTRICAL WATER HEATER
- EXISTING DEVICE TO REMAIN EXISTING DEVICE TO BE REMOVED AND RELOCATED
- EXISTING DEVICE RELOCATED
- NEW DEVICE ABOVE WINDOW

ELECTRICAL DRAWING LIST

- E-O ELECTRICAL SYMBOL LIST & GENERAL NOTES
- ED-1 FLOOR PLAN ELECTRICAL DEMOLITION E-1 FLOOR PLAN - ELECTRICAL & LIGHTING

COMcheck Software Version COMcheckWeb **Interior Lighting Compliance Certificate**

2018 IECC

Project Information

Energy Code: Project Title: Project Type:

Name - Title

PHILLIPS PARK GOLF COURSE BLD'G ADDITION Addition

Construction Site: Owner/Agent 1001 Hill Ave. Aurora, Illinois 60505

Designer/Contractor: MANUFI HERNANDEZ MGH ENGINEERING 409 S. Highland Ave Arlington Heights, Illinois 60005 773-314-7819

mhernandez@mghengineering.com

Total Allowed Watts =

3 80

01-15-21

Total Proposed Watts =

Watts

525

Allowed Interior Lighting Power

Area Category Floor Area Allowed (ft2) Watts / ft2

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Lamps/ # of Fixture (C X D) Fixture Fixture Watt 1-Multifamily

LED: F1: PENDANT LIGHT LED: Other: Interior Lighting PASSES: Design 54% better than code **Interior Lighting Compliance**

Project Title: PHILLIPS PARK GOLF COURSE BLD'G ADDITION

Statement Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans. specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist. Manuel G. Hernandez, Proj. Eng.





Engineers, LLC Illinois Professional Design Firm License #184.007392-0002 409 S. Highland Ave. Arlington Heights, IL 60005 mhernandez@mghengineering.com Phone: 773.314.7819

MGH Consulting

STATEMENT OF COMPLIANCE HAVE PREPARED, OR CAUSED TO BE PREPARED LINDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, T THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL THE APPLICABLE CODES. INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBLITY CODE (71 ILL. ADM. CODE 400), OF:

AURORA. ILLINOIS



DATE: 1/18/21 EXPIR: 11/30/21

ILLINOIS DESIGN FIRM NO. 184-005411 DATE ISSUED FOR PERMIT 01/18/21

DRAWN BY: CJ/MH APPROVED: PROJECT NO. 20-015

DATE

PHILLIPS PARK BLD'G ADDITION

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1001 HILL AVE.

AURORA, ILLINOIS

SHEET DESCRIPTION

ELECTRICAL SYMBOL LIST & GENERAL NOTES

SHEET NUMBER

Report date: 01/13/21

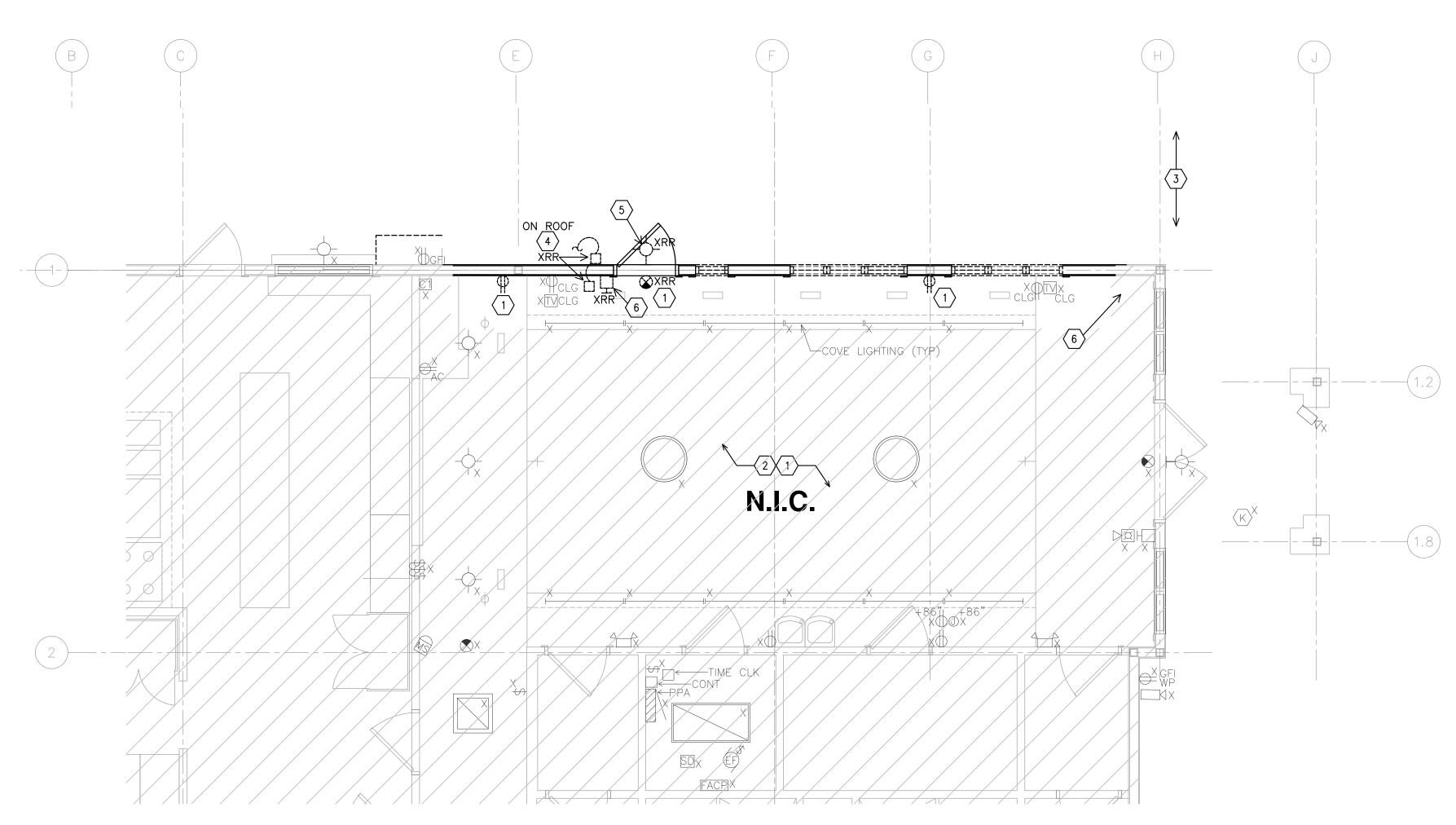
SHEET 1 of 3

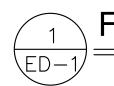
GENERAL DEMOLITION NOTES

- EACH CONTRACTOR SHALL REVIEW THE EXISTING SYSTEMS IN THE FIELD ALONG WITH BID DOCUMENTS AND DETERMINE SELECTIVE DEMO AND ADDITION OF TEMPORARY SYSTEMS (IF REQUIRED) TO MAKE PHASED DEMO AND PROPOSED REMODELING. IT SHALL ASSURE UNINTERRUPTED SAFE OPERATION OF AREAS THAT ARE AFFECTED BY DEMO AND ADDITION OF PROPOSED SYSTEMS AT ALL TIMES. INCLUDE THE NECESSARY WORK TO ACCOMPLISH THIS AND COORDINATE
- CONFIRM WITH THE MANUFACTURERS OF EXISTING EQUIPMENT THAT IS TO BE REUSED OR EXTENDED.
- WHERE EXISTING ELECTRICAL WORK PREVENTS PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, REROUTE, RELOCATE, OR IN OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE.
- WHERE EXISTING CONDUIT, WIRE, SUPPORTS, HANGERS AND OTHER ELECTRICAL WORK MUST BE REMOVED AS A RESULT OF THE ALTERATIONS, THEY SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST OUTLET WHICH IS LEFT UNAFFECTED BY THE DEMOLITION, CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLY POSITIONED MAY BE ABANDONED. IN SUCH CASES. WIRE SHALL BE PULLED OUT AND THE CONDUIT SHALL BE PLUGGED AT EACH
- EXISTING ELECTRICAL MATERIALS AND EQUIPMENT. INCLUDING LIGHTING FIXTURES. SWITCHES, RECEPTACLES, SIGNAL LIGHTS, SPEAKERS, INTERCOM EQUIPMENT, CONTROLS, CONDUIT OUTLETS, FITTINGS, AND OTHER DEVICES REMOVED AS A RESULT OF THE ALTERATIONS SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE REUSED WHERE INDICATED UNLESS OTHERWISE INDICATED.
- EXAMINE THE CONDITION OF ANY SUCH MATERIALS AND EQUIPMENT TO MAKE A PRIOR DETERMINATION OF WHETHER IT IS SUITABLE FOR REUSE. PRESENT FINDINGS TO THE ENGINEER WHO WILL IN TURN MAKE THE FINAL DECISION REGARDING REUSABILITY. ALL WIRE AND CABLE FOR REUSED AND RELOCATED EQUIPMENT SHALL BE NEW.
- 7. IN ORDER TO COORDINATE THE WORK OF THE MECHANICAL AND ELECTRICAL TRADES, REMOVE EXISTING ELECTRICAL WORK IN AND ABOVE CEILING OF THESE AREAS (AS REQUIRED), AFTER WHICH INSTALL NEW WORK AND REINSTALL EXISTING WORK TO REMAIN, AS SHOWN ON THE DRAWINGS. EXISTING MATERIALS AND EQUIPMENT SHALL BE REUSED ONLY WHERE INDICATED.
- SOME EXCEPTIONS MAY ARISE WHEREIN EQUIPMENT, EITHER IN ALTERED AREAS OR OTHER AREAS, MUST BE KEPT IN SERVICE, REQUIRING THAT FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SERVING SAME ALSO BE KEPT IN SERVICE. IN SUCH CASES, THOSE ELECTRICAL FEEDERS, SIGNAL CONDUCTORS, CONDUITS, ETC. SHALL BE REROUTED AND RECONNECTED BEFORE PRESENT WORK IS REMOVED. IF THIS IS NOT POSSIBLE, TEMPORARY WIRING SHALL BE PROVIDED, AFTER WHICH NEW WORK SHALL BE INSTALLED AND TEMPORARY WIRING REMOVED.
- 9. ANY ELECTRICAL EQUIPMENT THAT IS TAGGED TO BE DISPOSED OF SHALL BE DONE PER APPROVED METHOD IN ACCORDANCE WITH THE CONSTRUCTION PLAN AND LOCAL AUTHORITIES.
- 10. THIS DRAWING INDICATES AREAS THAT ARE BEING AFFECTED BY THE DEMOLITION. DASHED LINES SHOW EXISTING MATERIALS AND EQUIPMENT TO BE REMOVED. SOLID LINES SHOW EXISTING MATERIALS AND EQUIPMENT TO REMAIN (X). ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT AFFECTED BY THE DEMOLITION AND WILL KEEP REMAINING EQUIPMENT CONNECTED, POWERED TO THE EXISTING CIRCUITS AS REQUIRED.
- THIS DRAWING SHOWS A REPRESENTATIVE SAMPLE OF DEMOLITION WORK THAT IS TO TAKE PLACE. NOTE THAT NOT EVERY DEVICE, LIGHTING FIXTURE, CONDUIT ETC. REQUIRED TO BE DEMOLISHED IS NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE HIMSELF/HERSELF WITH THE EXTENT OF EXISTING WORK TO BE DEMOLISHED.
- 12. ALL PROPOSED DEMOLITION WORK SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER TRADES.
- 13. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS, FEEDERS AND BRANCH CIRCUITS PASSING THROUGH RENOVATED AREA AND SERVING UNDISTURBED
- 14. ANY PORTION OF THE EXISTING CONDUIT SYSTEM THAT IS TO BE REUSED FOR THE NEW INSTALLATION SHALL BE CHECKED TO ENSURE THAT IT IS CLEAN, FREE OF DAMAGE, FREE OF CORROSION, AND ADEQUATELY SUPPORTED. REMOVED RACEWAY SHALL NOT BE RE-USE.
- 15. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES AND CONDUITS IN WALLS, FLOORS AND CEILING SCHEDULED FOR DEMOLITION.
- 16. EXISTING ELECTRICAL SYSTEM IS DESCRIBED BASED ON SURVEYS OF EXISTING CONDITIONS THAT WERE VISIBLE DURING THE SURVEY. CONTRACTOR SHALL CONFIRM ALL SERVICES PRIOR TO PROCEEDING WITH DEMOLITION.
- 17. PATCH ALL HOLES IN SLABS, WALLS AND CEILING WHERE ELECTRICAL DEVICES AND/OR CONDUIT ARE REMOVED. IF THE REMOVAL OF CONDUIT, BOXES, EQUIPMENT, ETC. COMPROMISES THE FIRE RATING OF THESE ITEMS, THE CONTRACTOR SHALL SEAL OPENINGS WITH CODE APPROVED FIRE STOPPING MATERIAL TO RE-ESTABLISH THE ORIGINAL RATE OF PARTITION.
- 18. WHERE FEEDERS OR BRANCH CIRCUITS ARE DISCONNECTED AND REMOVED FROM EXISTING PANEL BOARDS, CONTRACTOR SHALL MARK THE AFFECTED BREAKERS IN THOSE PANEL BOARDS AS "SPARE". INSTALL NEW KNOCK-OUT BLANK INSERT IN PANEL BOX.
- 19. CONTRACTOR IS TO PERFORM DEMOLITION WORK IN A NEAT, SKILLFUL, AND CAREFUL MANNER SO AS NOT TO DAMAGE OR DEFACE EXISTING CONSTRUCTION THAT IS TO REMAIN.
- 20. VERIFY THAT REMOVAL OF DEVICES IN RENOVATED AREA DOES NOT AFFECT DEVICES IN OTHER AREAS THAT MAY BE FED FROM THE CIRCUIT BEING DISCONNECTED. BYPASS RACEWAY AND WIRING AS REQUIRED TO KEEP REMAINING DEVICES OPERATIONAL.
- 21. ALL ABANDONED AND/OR UNUSED COMPONENTS CREATED OR EXPOSED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO CABLES, WIRING, RACEWAY, J-BOXES AND ASSOCIATED SUPPORTS AND OR ATTACHMENTS SHALL BE REMOVED.
- 22. RETAIN EXISTING CONDUIT, JUNCTION BOXES, AND CIRCUITING AS APPLICABLE WHEN IT MAKE SENSE, AND WHEN IN GOOD CONDITIONS.
- 23. REMOVE ALL LOW VOLTAGE CABLING INDICATED UNDER DEMOLITION BACK TO THE SOURCE. ALL CABLING, HANGERS, TIES AND CONDUIT ARE TO BE REMOVED ENTIRELY. PROVIDE NEW CABLING, JACKS & COVER PLATES FOR ALL VOICE/DATA OUTLETS. CONFIRM CABLING REQUIREMENTS WITH OWNER.

ELECTRICAL DEMOLITION PLAN NOTES

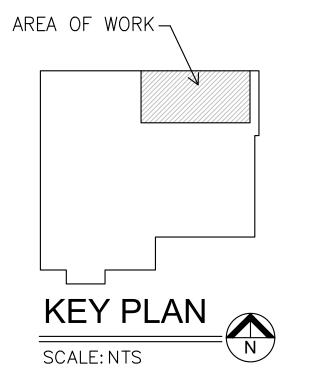
- ELECTRICAL DEVICES INDICATED UNDER DEMOLITION (NOT TAGGED WITH "X") OR IN THE WAY OF NEW CONSTRUCTION SHALL BE DISCONNECTED AND REMOVED. REMOVED RACEWAY AND WIRING BACK TO UNAFFECTED AREA/DEVICES FOR RECONNECTION TO NEW DEVICES. BYPASS RACEWAY AND WIRING AS REQUIRED TO KEEP REMAINING DEVICES OPERATIONAL. UPDATE PANEL CARD DIRECTORY TO REFLECT NEW CHANGES. DISPOSE OF LAMPS PER E.P.A. REQUIREMENTS. DEVICES LABELED "XRR" ARE EXISTING DEVICES TO BE REMOVED AND RELOCATED. RETAIN THOSE DEVICES FOR REINSTALLATIONS AT NEW LOCATIONS. ALL EMPTY CIRCUITS SHALL BE REMOVE BACK TO PANEL, TURN OFF BREAKER AND LABEL "SPARE".
- VOICE AND DATA OUTLETS INDICATED UNDER DEMOLITION (NOT TAGGED WITH "X") SHALL BE DISCONNECTED AND REMOVED BACK TO SOURCE. REMOVE ALL RACEWAY AND CABLING. IF J-BOX WILL REMAIN, INSTALL BLANK FINISHED COVER PLATE.
- LANDSCAPE IRRIGATION PIPING SYSTEM IN THE WAY OF THE NEW ADDITION TO BE DISCONNECTED, REMOVED AND RELOCATED TO CLEAR NEW CONSTRUCTION. COORDINATE EXTEND OF WORK WITH IRRIGATION SYSTEM CONTRACTOR.
- ANTENNA SYSTEM IN THE WAY OF THE NEW ADDITION TO BE DISCONNECTED, REMOVED AND RELOCATED TO CLEAR NEW CONSTRUCTION. REMOVE RACEWAY AND WIRING BACK TO UNAFFECTED AREA.
- 5 LIGHT FIXTURE IN THE WAY OF THE NEW ADDITION TO BE DISCONNECTED, REMOVED AND RELOCATED TO CLEAR NEW CONSTRUCTION. REMOVE RACEWAY AND WIRING BACK TO UNAFFECTED AREA.
- 6 TV AND ASSOCIATED MOUNTING BRACKET IN THE WAY OF NEW CONSTRUCTION TO BE DISCONNECTED, REMOVED AND RELOCATED TO CLEAR NEW CONSTRUCTION.





FLOOR PLAN - ELECTRICAL DEMOLITION







ENGINEERING

MGH Consulting

Engineers, LLC Illinois Professional Design Firm License #184.007392-0002 409 S. Highland Ave. Arlington Heights, IL 60005 mhernandez@mghengineering.com Phone: 773.314.7819

STATEMENT OF COMPLIANCE I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION. THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL THE APPLICABLE CODES, INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBLITY CODE (71 ILL. ADM. CODE 400), OF:

AURORA, ILLINOIS



DATE: 1/18/21 EXPIR: 11/30/21

ILLINOIS DESIGN FIRM NO. 184-005411

ISSUE	DATE
ISSUED FOR PERMIT	01/18/21
DD AMAL DV	01/411

DRAWN BY: CJ/MH | APPROVED: PROJECT NO. 20-015 DATE

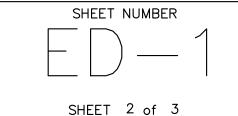
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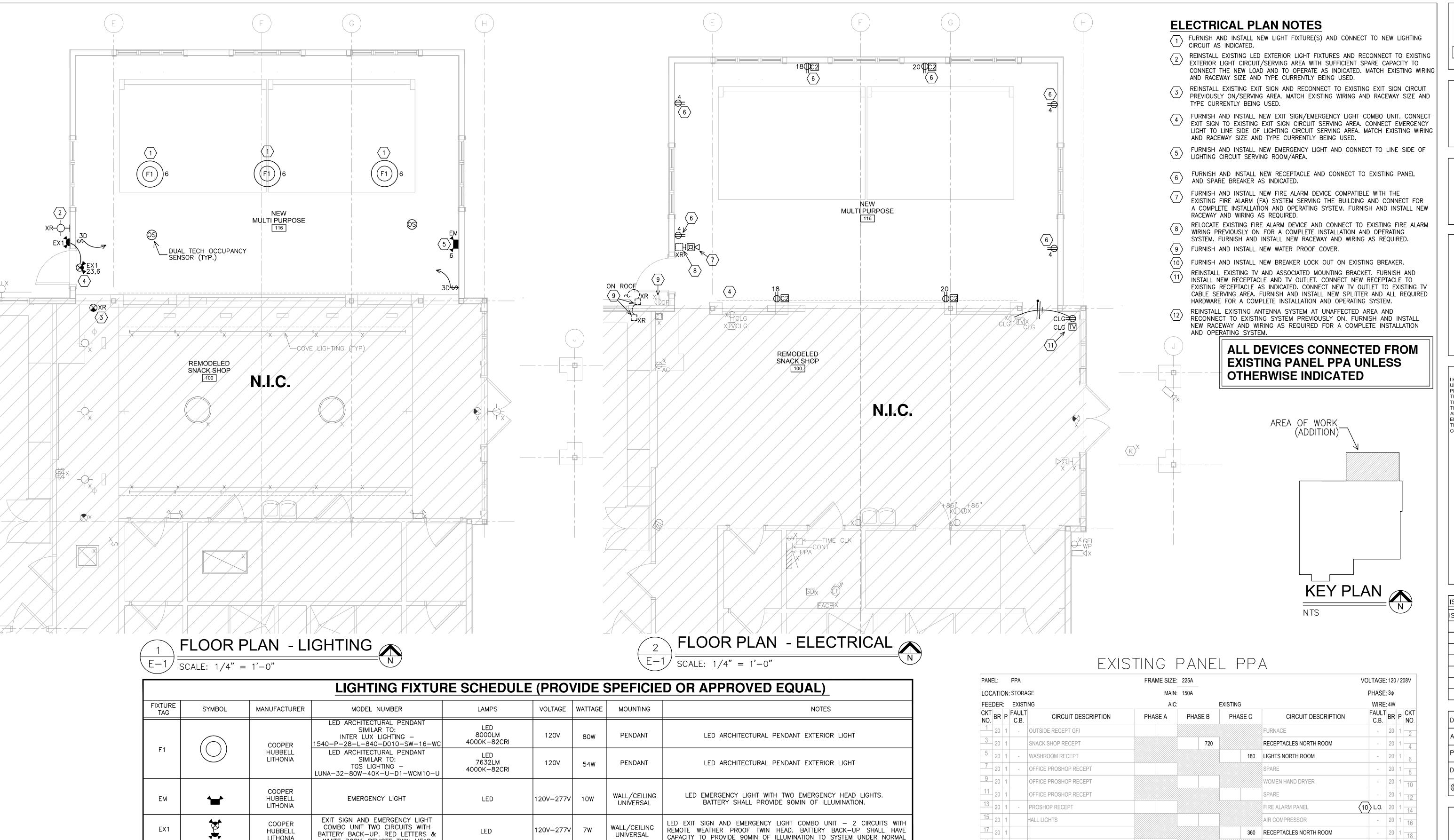
PHILLIPS PARK GOLF COURSE BLD'G ADDITION

1001 HILL AVE. AURORA, ILLINOIS

SHEET DESCRIPTION

FLOOR PLAN -**ELECTRICAL DEMOLITION**





EXISTING PANEL NOTES: E.C. MUST PERFORM THIS WORK ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXACT CIRCUIT NUMBER INFORMATION PRIOR TO CONNECT

LITHONIA

WHITE BODY. REMOTE TWIN HEAD

CIRCUITS TO THE PANEL. CIRCUIT NUMBER INFORMATION AND DESCRIPTIONS HAVE BEEN GIVEN ONLY FOR INFORMATION PURPOSES BASED ON EXISTING PANEL CARD DIRECTORY AND SURVEY. E.C. MUST MODIFY CIRCUIT PANEL CONNECTIONS AND LABELING INFORMATION TO MATCH THE NEW ROOM NAMES AND NUMBERS.

ELECTRICAL CONTRACTOR SHALL PROVIDE NEW UPDATED PANEL CARD DIRECTORIES AFTER ALL CONNECTIONS HAVE BEEN COMPLETED. EXISTING PANEL'S MARKER WRITING SHALL BE CLEANED SO THAT NOT MARKER WRITING IS VISIBLE. ALL NOT VALID INFORMATION SHALL BE DELETED.

POWER LOSS.

UTILIZE EXISTING EMPTY CIRCUITS/MODIFY CIRCUIT INFORMATION GIVEN AS REQUIRED FOR CONNECTION OF

PROVIDE UPDATED RECORD DOCUMENTS AFTER CONSTRUCTION IS DONE FOR FUTURE USE. FURNISH AND INSTALL NEW CARD DIRECTORIES WITH UPDATED INFORMATION.

ALL RECEPTACLE OUTLETS SHALL BE PROVIDED W/ P-TOUCH LABEL WITH CIRCUIT # AND SOURCE PANEL

FURNISH AND INSTALL NEW BREAKERS AS REQUIRED.

20	1	-	OUTSIDE RECEPT GFI				FURNACE	-	20	1 2
3 20	1		SNACK SHOP RECEPT		720		RECEPTACLES NORTH ROOM	-	20	1 4
5 20	1	-	WASHROOM RECEPT			180	LIGHTS NORTH ROOM	-	20	1 6
7 20	1	-	OFFICE PROSHOP RECEPT				SPARE	-	20	1 8
9 20	1		OFFICE PROSHOP RECEPT				WOMEN HAND DRYER	-	20	1 10
11 20	1		OFFICE PROSHOP RECEPT				SPARE	_	20	1 12
13 20	1	-	PROSHOP RECEPT				FIRE ALARM PANEL	(10) L.O.	20	1 14
15 20	1		HALL LIGHTS				AIR COMPRESSOR	-	20	1 16
17 20	1					360	RECEPTACLES NORTH ROOM	_	20	1 18
19 20	1	-	KITCHEN LIGHTS	360			RECEPTACLES NORTH ROOM	-	20	1 20
21 20	1	-	PROSHOP LIGHTS				SPARE	_	20	1 22
23 20	1	L.O.	EXIT LIGHTS				SPARE	-	20	1 24
25 20	1	-	MEN WASROOM LIGHTS					_	20	1 26
27 20	1	-	WOMEN WASHROOM LIGHTS				SPARE	_	20	1 28
29 20	1	-	SNACK SHOP LIGHTS				SPARE	-	20	
31 20	1	-	SNACK SHOP LIGHTS				SPARE	-	20	1 32
33	1	-	SPACE							34

360 | ## 720 | #### 540

720

4.50

SPACE

SPACE

540

35 20 1 - SECURITY

41 20 1 - SPACE

TOTAL AMPERAGE

20 1 L.O. OUTSIDE LIGHTS

20 1 - OUTSIDE LIGHTS

TOTAL CONNECTED LOADS (VA)

TOTAL CONNECTED LOADS (VA)





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STATEMENT OF COMPLIANCE HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION. THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, T THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL THE APPLICABLE CODES, INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBLITY CODE (71 ILL. ADM.

Phone: 773.314.7819



ILLINOIS DESIGN FIRM NO. 184-005411

ISSUE	DATE
ISSUED FOR PERMIT	01/18/21
<u></u>	

DRAWN BY: CJ/MH APPROVED: MGH PROJECT NO. 20-015 ⑥ 2021 A+M Architects, LLC

PHILLIPS PARK GOLF COURSE BLD'G ADDITION

1001 HILL AVE. AURORA, ILLINOIS

SHEET DESCRIPTION

20 3 36

GFI BREAKER

-L.O. LOCK OUT

FLOOR PLAN -**ELECTRICAL &** LIGHTING

SHEET NUMBER ____ SHEET 3 of 3