

#### Addendum Number: 01

Addendum Issue Date: February 1, 2021

Owner:Crawford Memorial HospitalProject Name:CMH Ortho Clinic Addition and RenovationProject Number:0200707.00

#### Containing: 21 Pages; 15 Drawings; 1 Specification includes Geo-Technical Report

This addendum amends the drawings and specifications of the above reference project and is hereby incorporated into the contract documents as part thereof. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION**.

#### General:

- 1. Pre-Bid Meeting Minutes:
  - a. F.E. Moran security systems, fire alarm, and nurse call systems are already removed by the Owner.
  - b. Clarified that the Prevailing Wages are required and that there are currently no labor agreements in place.
  - c. Restated that NO IDPH is required but need to comply with local AHJ, City. We need plumbing inspections with an emphasis on underground plumbing inspections.
- 2. It is our understanding that F.E. Moran will be doing all fire alarm work including rough-in.

#### Drawings:

- 1. Sheet CO.1 GENERAL NOTES
  - a. REVISE pavement and walk sections. See the attached reissued sheet.

#### 2. Sheet C2.0 – SITE PLAN

a. REVISE pavement and walk sections. See the attached reissued sheet.

#### 3. Sheet S1.1 – FOUNDATION PLAN

a. UPDATE Footing F1 thickness. See the attached reissued sheet.

#### 4. Sheet S3.1 FOUNDATION DETAILS

- a. UPDATE pedestal size and reinforcement in Detail 11. See the attached reissued sheet.
- 5. Sheet AD1.1 FIRST FLOOR DEMOLITION PLAN
  - a. ADD demolition keynote D10-09 to include removal of existing room signs in the corridor, as shown on the attached reissued sheet.

#### 6. Sheet A1.1 – FIRST FLOOR PLAN

- a. REVISE patching note D and update plan general notes. See the attached reissued sheet.
- b. Patching general note D & E is required throughout the project.

#### 7. Sheet A2.4 – ENLARGED VESTIBULE PARAPET SECTIONS AND CANOPY DETAILS

- a. REVISE composite metal panel joint to the edge of the canopy brick column, as shown on the attached reissued sheet.
- 8. Sheet A5.2 EXTERIOR DETAILS/BRICK-MTL STUD
  - a. REVISE canopy column foundation detail. See the attached reissued S1.1 & S3.1 sheets for more information.
- 9. Sheet A7.1 PARTITION TYPES
  - a. ADD general note N to include all gypsum board to be mold resistant type. See the attached reissued sheet.
- 10. Sheet A9.1 FIRST FLOOR REFLECTED CEILING PLAN
  - a. REVISE location of luminaires in the canopy. See the attached reissued sheet.
  - b. REVISE the metal soffit and metal composite panel ceiling extent in the canopy. See the attached reissued sheet.
- 11. Sheet P1.1 FIRST FLOOR PLUMBING PLAN
  - a. ADD a water line to the Lounge refrigerator. See the attached reissued sheet.
- 12. Sheet E1.1 FIRST FLOOR LIGHTING PLAN
  - a. REVISE lighting circuitry and lighting controls for Exam Rooms 122, 123, 124, 125, 126, 127, and 128. See the attached reissued sheet.
  - b. DELETE two type 'A' luminaires in front of the Reception Desk. See the attached reissued sheet.
  - c. REVISE location of luminaires in the Canopy. See the attached reissued sheet.
- 13. Sheet E2.1 FIRST FLOOR POWER PLAN
  - a. ADD Keynote 9 to the clerical area and to this list of Keynotes. See the attached reissued sheet.
- 14. Sheet E3.1 FIRST FLOOR SYSTEMS PLAN
  - a. ADD keynote 7 to the clerical area and to the list of Keynotes. See the attached reissued sheet.
  - b. ADD Push button control to enter C101. See the attached reissued sheet.
- 15. Sheet E5.1 ELECTRICAL SCHEDULES
  - a. ADD RAB manufacturer and catalog number to luminaire types 'A' and 'B.' See the attached reissued sheet.

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#### Specifications:

- 1. SECTION 00 2100 INSTRUCTIONS TO BIDDERS
  - a. REVISE paragraph 1.1.B.2. to read, Bid Location: Submit Bid Proposals in PDF form via email to the Architect, attention Annapoorna Halepatali, <u>ahalepatali@f-w.com</u> and mark a copy to David Burnison @ <u>dburnison@f-w.com</u>.
  - REVISE paragraph 1.1.H.C.7. to read, "Due to current issues with respect to COVID-19, Bidders may submit Bid Proposals in PDF form via email to the Architect, attention Annapoorna Halepatali, <u>ahalepatali@f-w.com</u> and mark a copy to David Burnison @ <u>dburnison@f-w.com</u>.
- 2. SECTION 00 3100 AVAILABLE PROJECT INFORMATION.
  - a. ADD this new section including Geotechnical Report, the copy included with this addendum.
- 3. SECTION 00 5000 CONTRACTING FORMS AND SUPPLEMENTS
  - a. DELETE paragraph 1.1.B.
- 4. SECTION 00 7200 GENERAL CONDITIONS
  - a. REVISE to clarify that the general conditions are AIA A201-2017 and are not attached but available upon request
- 5. SECTION 00 7300 SUPPLEMENTARY CONDITIONS
  - a. REVISE paragraph 1.2.A.1 to replace the word County with the word Owner in two locations.
- 6. SECTION 09 2116 GYPSUM BOARD ASSEMBLIES
  - a. CLARIFY all gypsum board in the project to be mold resistant type.
- 7. Section 00 4000 PROCUREMENT FORMS AND SUPPLEMENTS
  - a. DELETE 1.2.F.1. to clarify that we do not require AIA A305 to be submitted with the bids.

**Bids are Due:** March 9, 2021 / 2:00 PM local time at *Email PDF to Annapoorna Halepatali* @ahalepatali@f-w.com and copy Dave Burnison @dburnison@f-w.com.

#### END OF ADDENDUM

Issued By:

FARNSWORTH GROUP, INC.

Annapoorna Halepatali Architectural Designer 111

Attachments: Pre-Bid Meeting Sign-in Sheet

200 West College Avenue, Suite 301 | Normal, IL 61761 | p 309.663.8436 | www.f-w.com

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*Drawings:* C0.1, C2.0, S1.1, S3.1, AD1.1, A1.1, A2.4, A5.2, A7.1, A9.1, P1.1, E1.1, E2.1, E3.1, E5.1. *Specifications:* 00 3100 includes Geotechnical Report



# **Meeting Sign-In**

Project:CMH Ortho Addition and RenovationProject #:0200707.00Subject:Pre-Bid Meeting

Date:1/27/2021Location:1000 N Allen Street, Robinson, ILTime:1:00 pm

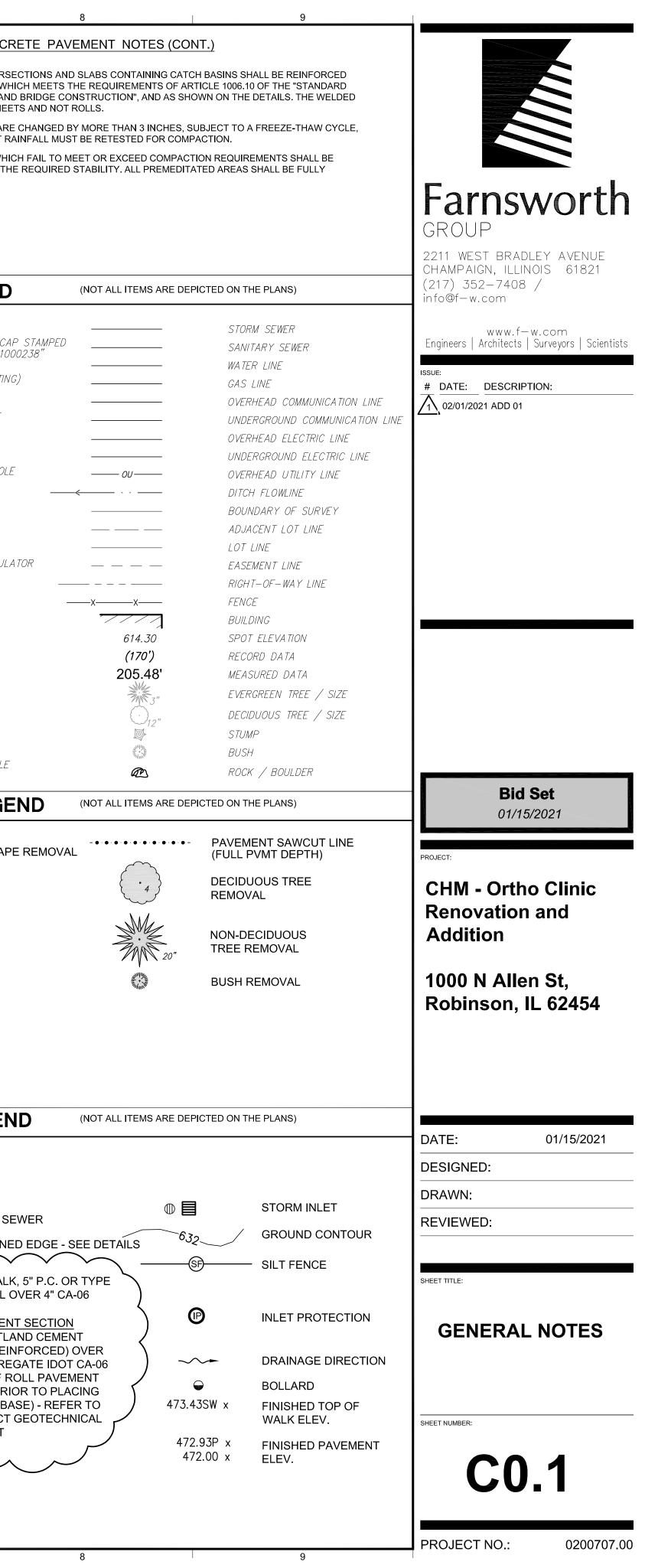
Name/Title	- Organization	Phone #	Email Address
Mark Rich	СМН	618.546.2589	Mark.rich@crawfordmh.org
Craig Parrish	СМН	618.546.2512	Craig.parrish@crawfordmh.org
Annapoorna Halepatali	Farnsworth Group, Inc.	309.663.8436	ahalepatali@f-w.com
Dave Burnison	Farnsworth Group, Inc.	309.663.8436	dburnison@f-w.com
SCOTT BINKEN DERGER	P.J.HOEER	3096889567	scottepihoerr.com
Markorell	Commercial Flechik	257-235-0616	mer Kacci 1969.com
Shavyon White	First Choice Electric	618-553-3902	
KEVIN BAADES	PALS ELECTRIC	217-822-1632	KENTE @ PHRSELETRICIAL.COD
BEIAN SLOTTILEN	Swinglen Const.	217-857-3119	brianswingles@ swinfer construction
Ron Johnon			52 SANDLPLYMBRIC
Evan SudKamp	Grunich Const.		
Josh Will	KCH Mech	217-663-0534	josh will 62467 @ yahod co
Eric Adamski	Since Construction	618-554-6967	tadamshi Csinco construction a
Alex Brown	Serco construction	618-553-0358	abrown @ serco construction.com
Jan Erk	CSC	217- 62- 826-6152	Scarles cada (Shik co. on
Maurice Mathener	Cc	217-826-6132	Jaslere Catraistateco. com
Ja- KDSteine	S86 Excavating	812-234484	Jack, Steinera Sand G Excavating, Com

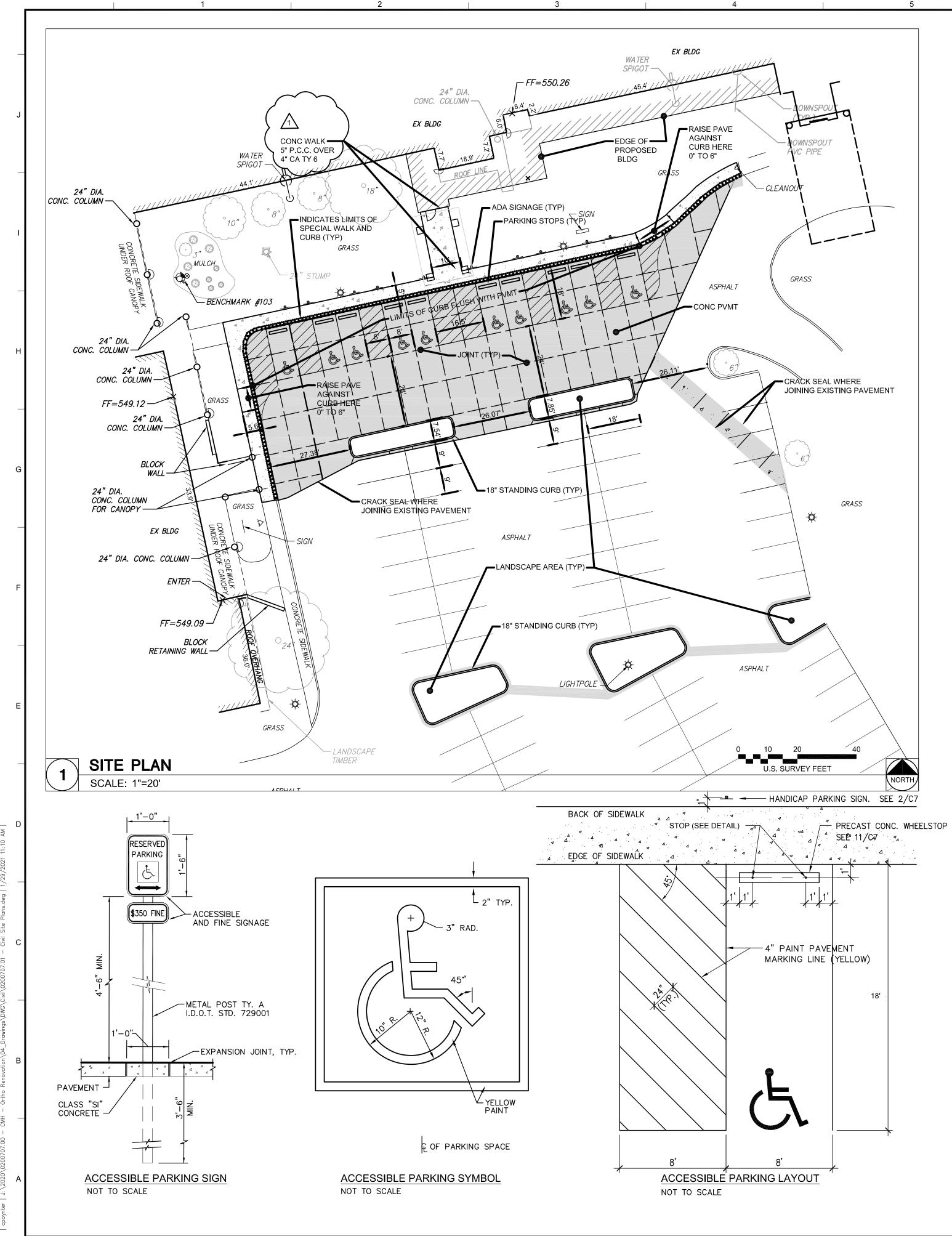
2211 West Bradley Avenue, Champaign, IL 61821 217/352-7408 www.f-w.com

812-235-6218 Jjonesel

Jason Joner

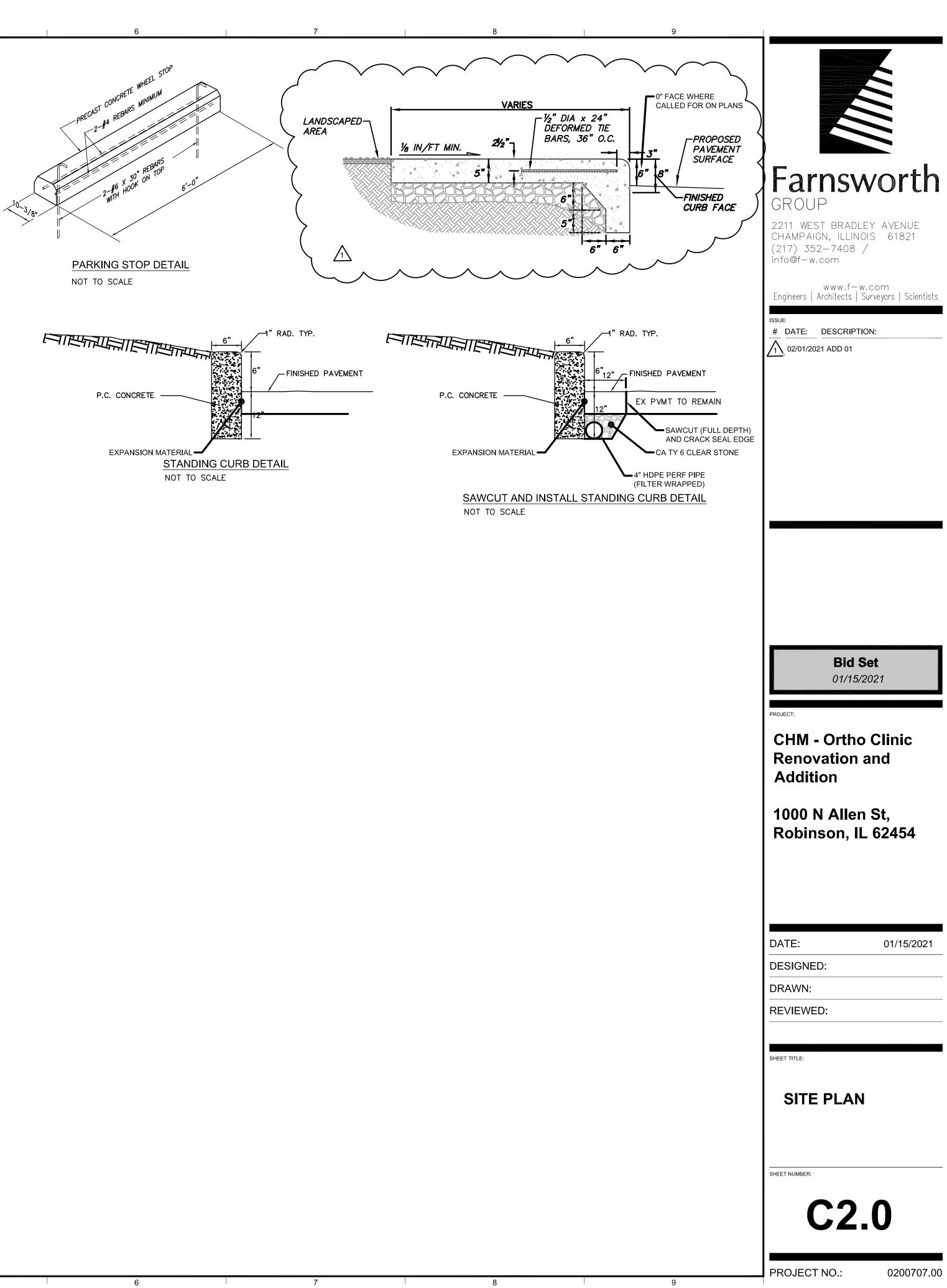
	GRADING & EROSION CONTROL NOTES (SHEET C3.0)	<ul> <li><u>PORTLAND CEMENT CONCRETE PAVEMENT NOTES</u></li> <li><b>7.</b> THE SUBGRADE SHALL BE MECHANICALLY COMPACTED TO 95 PERCENT OF THE STANDARD PROCTOR DENSITY. THE PAVEMENT SUBGRADE SHALL HAVE SUFFICIENT STABILITY TO ACCOMMODATE CONSTRUCTION</li> </ul>	PORTLAND CEMENT CONCRI
GENERAL NOTES	1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES AND HAVING ALL UNDERGROUND UTILITIES PROPERLY CALL THE TOLL-FREE J.U.L.I.E. TELEPHONE NUMBER, 1-800-892-0123, BEFORE STARTING LOCATED PRIOR TO ANY CONSTRUCTION, EXCAVATION.	TRAFFIC WITHOUT EXCESSIVE SUBGRADE RUTTING OR SHOVING. AT THE TIME OF PLACEMENT OF PAVEMENT, THE IN-SITU SUBGRADE SHALL HAVE A CALIFORNIA BEARING RATIO (CBR) OF AT LEAST SIX (6) IN THE TOP TWELVE (12) INCHES OF SUBGRADE. THE CBR VALUE WILL BE ASCERTAINED BY USE OF THE DYNAMIC CONE	<b>36.</b> ODD SHAPED SLABS AT INTERSEC WITH WELDED WIRE FABRIC WHIC SPECIFICATIONS FOR ROAD AND
PROJECT SPECIFICATIONS AND STANDARDS	ALLOW 48 HOURS FOR OTHER THAN EMERGENCY ASSISTANCE.	PENETROMETER (DCP) WITH ONE TEST EVERY 100 FEET OF ROADWAY WITH TESTS ALTERNATING BETWEEN TRAFFIC LANES.	WIRE FABRIC SHALL BE IN SHEET <b>37.</b> AREAS OF SUBGRADE THAT ARE (
SITE CONSTRUCTION FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:	2. ALL FILL AREAS SHALL BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACING EMBANKMENT MATERIAL. LAWN AREAS THAT HAVE RECEIVED EMBANKMENT MATERIAL SHALL RECEIVE AT	8. AGGREGATE BASE COURSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 351 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE NOTES AND DETAILS CONTAINED IN THESE PLANS. THE AGGREGATE BASE COURSE SHALL BE CA-6 OR CA-10, CRUSHED	OR SUBJECT TO SIGNIFICANT RAI
A. "IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION", CURRENT EDITION.	LEAST 6" OF TOPSOIL AS THE FINAL COURSE OF FILL IN PREPARATION FOR SEEDING OPERATIONS. ALL LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE OWNER.	AGGREGATE MATERIALS SHALL BE PLACED TO THE THICKNESS SHOWN IN THE PLANS. RECYCLED OR CRUSHED ASPHALT THAT HAS BEEN PROCESSED AND SCREENED AND WHICH MEETS CA-6 GRADUATION	38. ANY AREAS OF SUBGRADE WHICH PREMEDITATED TO ACHIEVE THE
B. "IDOT DRAINAGE MANUAL" C. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT	3. EMBANKMENT MATERIAL SHALL BE PLACED IN NO MORE THAN 8" LIFTS AND SHALL BE	REQUIREMENTS MAY ALSO BE UTILIZED. THE AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR DENSITY.	RETESTED.
EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. D. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT	COMPACTED IN ACCORDANCE WITH SOILS REPORT.	9. THE SUBGRADE SHALL BE TEST ROLLED AND APPROVED IN ACCORDANCE WITH THE FOLLOWING PROCEDURE. TRUCKS SHALL BE LOADED AS FOLLOWS: 27,000 POUNDS ON TWO (2) AXLES OR 45,000 POUNDS	
YEAR EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. E. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION	4. TEMPORARY SILTATION PROTECTION SHALL BE CONSTRUCTED AS SILT FILTER BASKETS IN ALL EXISTING AND PROPOSED INLETS AND MANHOLES AND SILT FILTER FENCE WHERE INDICATED ON THE PLANS TO PROTECT FROM SILTATION ONTO ADJACENT PROPERTY AND ROADWAYS.	ON THREE (3) AXLES WITH THE TOLERANCE NOT TO EXCEED TEN PERCENT (10%). THE TRUCK SHALL MAKE PARALLEL PASSES ALONG EACH LANE OF STREET OR PARKING SUBGRADE AT DISTANCES AS DIRECTED BY	
F. CITY OF ROBINSON STANDARDS.	5. PERMANENT STABILIZATION SHALL INCLUDE THE SEEDING OR SODDING OF LAWN AREAS	THE ENGINEER AND NOT TO EXCEED TEN (10) FEET APART. ANY AREAS WHICH SHOW RUTTING, CRACKING, OR ROLLING OF THE COMPACTED SUBGRADE UPON TEST ROLLING WILL NOT BE ACCEPTED. THE AREAS THAT FAIL SHALL BE RECONSTRUCTED AND TEST ROLLED AGAIN PRIOR TO ACCEPTANCE. THE VILLAGE ENGINEER	
DEMOLITION NOTES (SHEET C1.0)	DISTURBED AND PAVED SURFACE COURSE FOR ROADWAYS AND PARKING. ALL PERMANENT SEEDING SHALL TAKE PLACE IMMEDIATELY FOLLOWING FINAL GRADING OPERATIONS IN ANY	SHALL BE PRESENT DURING PROOF ROLL TESTING.	EXISTING LEGEND
1. THE EXISTING TOPOGRAPHIC INFORMATION INDICATED FOR THIS PROJECT IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY FARNSWORTH GROUP. INC. THE CONTRACTOR IS	6. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL TRASH AND	<b>10.</b> FORMS WHEN USED, SHALL BE SET TRUE TO LINE AND GRADE AND SHALL BE CHECKED BY THE OWNER'S REP OR ENGINEER PRIOR TO PLACEMENT OF CONCRETE. GRADES ARE CRITICAL TO ENSURE PROPER DRAINAGE. IF THE ELEVATION OF ANY PORTLAND CEMENT CONCRETE IMPROVEMENT VARIES FROM THAT SHOWN ON	• SET IRON ROD
RESPONSIBLE FOR VERIFYING THE TOPOGRAPHIC INFORMATION INDICATED ON THE DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL	CONSTRUCTION DEBRIS WILL BE HAULED TO THE LOCAL MUNICIPAL DUMP AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL SOLID WASTE MANAGEMENT REGULATIONS.	THE PLANS OR STAKED BY THE ENGINEER BY MORE THAN FOUR-HUNDRETHS (0.04) OF A FOOT, OR IF AN AREA IS NOT PROPERLY DRAINED. THE CONTRACTOR SHALL REMOVE AND REPLACE SUFFICIENT PAVEMENT	WITH ALUMINUM CAP "C WALLACE LS21000.
EXISTING TOPOGRAPHIC INFORMATION ABOVE OR BELOW GROUND, SHOWN OR NOT SHOWN, PRIOR TO CONSTRUCTION. DISCREPANCIES IN EXISTING TOPOGRAPHIC DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR REVIEW.	7. THE CONTRACTOR SHALL PROVIDE SOLID WASTE COLLECTION DURING CONSTRUCTION TO MINIMIZE POLLUTION.	TO CORRECT THE DEFECT.	$\bullet^{EX}$ IRON ROD (EXISTING)
2. CONTRACTOR SHALL NOTIFY AND COORDINATE UTILITY ABANDONMENTS AND	8. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL	11. THE PAVEMENT THICKNESS SPECIFIED OR SHOWN ON THE DRAWINGS SHALL BE THE MINIMUM ALLOWABLE. PAVEMENT WITH LESS THAN THE MINIMUM THICKNESS SHALL BE REMOVED AND REPLACED.	BENCHMARK
RELOCATIONS WITH APPROPRIATE UTILITY COMPANY AFFECTED AS MAY BE NECESSARY. SEE COVER SHEET FOR CONTACT LISTINGS OF LOCAL UTILITIES.	OR STATE REGULATION OR BY THE MANUFACTURER. THE OWNER WILL BE RESPONSIBLE FOR MAINTAINING THESE PROCEDURES DURING CONSTRUCTION.	12. NO MORE THAN ½ GALLON OF WATER FOR EVERY CUBIC YARD OF PORTLAND CEMENT CONCRETE MAY BE ADDED ON SITE.	STORM MANHOLE
3. CONTRACTORS SHALL CONTACT J.U.L.I.E. AT 1-800-892-0123 AND LOCAL UTILITY PROVIDERS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OR EXCAVATION FOR FIELD	9. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE DETAIL INCLUDED WITH THESE PLANS AT LOCATIONS INDICATED ON THE PLANS TO	13. COAT FORM CONTACT SURFACES WITH FORM COATING COMPOUND BEFORE PLACING REINFORCEMENT OR	△ CLEANOUT
LOCATION OF BURIED UTILITIES.	HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ANY EXCESS MUD, DIRT OR ROCK TRACKED ONTO EXISTING STREETS WILL BE CHECKED FOR DAILY AND REMOVED AS NECESSARY.	TIE BARS. DO NOT ALLOW EXCESS FORM COATING MATERIAL TO ACCUMULATE IN THE FORMS OR COME INTO CONTACT WITH SURFACES WHICH WILL BE BONDED TO FRESH CONCRETE. APPLY IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS, COAT STEEL FORMS WITH NONSTAINING RUST PREVENTATIVE FORM OIL	SANITARY MANHOLE
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES AND HAVING ALL UNDERGROUND UTILITIES PROPERLY LOCATED PRIOR TO ANY DEMOLITION.	10. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE	OTHERWISE PROTECT AGAINST RUSTING. RUST STAINED STEEL FORMWORK IS NOT ACCEPTABLE.	W WATER METER
5. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. DUE TO THE AGE OF THE SITE, UNKNOWN UTILITIES	WITH THE REQUIREMENTS OF THE ILLINOIS EPA AND THE PROJECT STORM WATER POLLUTION PLAN.	14. MOISTEN THE SUBGRADE BEFORE PLACING CONCRETE PAVEMENTS.	⊗ WA TER VAL VE ₩A TER WELL
MAY BE DISCOVERED AND SHOULD BE REPORTED TO THE ENGINEER.	11. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED ON THE FIRST DAY OF CONSTRUCTION ACTIVITIES. ALL BARE SOIL SURFACES NOT IN MAJOR CONSTRUCTION AREAS	<b>15.</b> ALL CONCRETE USED FOR PAVEMENT CONSTRUCTION SHALL BE VIBRATED WITH A MECHANICAL CONCRETE VIBRATOR FOR CONSOLIDATION TO REMOVE VOIDS AND AIR POCKETS.	GAS VALVE/REGULAT
6. CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES INDICATED WITHIN THE PROPOSED BUILDING FOOTPRINTS, AND BACKFILL WITH APPROVED GRANULAR MATERIAL.	SHALL BE TEMPORARILY SEEDED WITHIN 7 DAYS, WEATHER AND SOIL CONDITIONS PERMITTING. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM WEEKLY, AND AFTER	16. PAVEMENTS AND CURBS WHICH ARE POURED AND DO NOT CONFORM TO ALL REQUIREMENTS OF THESE SPECIFICATIONS WILL BE REJECTED.	G GAS METER
7. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OTHER AREAS ADJACENT TO NEW CONSTRUCTION OR AREAS WHERE VARIOUS SYSTEM	RAINFALL EVENTS. DEFICIENCIES SHALL BE NOTED AND CORRECTED IMMEDIATELY. 12. PERMANENT GROUND COVER SHALL BE IN ACCORDANCE WITH THE IDOT STANDARD	17. ISOLATION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE ILDOT SPECS AND LOCATED WHERE SHOWN	E ELECTRIC METER
CONNECTIONS OR EXTENSIONS ARE REQUIRED.	SPECIFICATIONS BOOK.	ON PLANS. ISOLATION JOINTS MAY BE LOCATED BETWEEN A NEW PAVEMENT AND EXISTING PAVEMENT, CURB OR OTHER STRUCTURES AS SHOWN ON THE PLANS. ISOLATION JOINTS SHALL BE CONSTRUCTED OF <sup>3</sup> / <sub>4</sub> INCH	GUY WIRE
<ol> <li>TEMPORARY BARRICADES PERTAINING TO THE CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PEDESTRIANS IN AND AROUND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS.</li> </ol>	13. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM	EXPANSION MATERIAL WITH ½ INCH THICKNESS JOINT SEALANT. <b>18.</b> EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECS AND LOCATED	□ WOOD POST S→ TRAFFIC LIGHT
9. PRIOR TO ANY DEMOLITION TAKING PLACE, PERIMETER EROSION CONTROL MEASURES	CONSTRUCTION ACTIVITIES AND THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT AND AVAILABLE FROM OWNER.	WHERE SHOWN ON PLANS EXPANSION JOINTS SHALL BE CONSTRUCTED OF <sup>3</sup> / <sub>4</sub> INCH EXPANSION MATERIAL PLACED FULL DEPTH THROUGH THE PAVEMENT AND DEPRESSED <sup>3</sup> / <sub>4</sub> INCH FROM THE SURFACE WITH	SIGN
MUST BE IN PLACE. SEE SHEET C5.0	14. ADDITIONAL EROSION CONTROL REQUIREMENTS ARE INDICATED IN THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.	EIGHTEEN (18) INCH LONG DOWELS ON TWELVE (12) INCH CENTERS PLACED AT MID-DEPTH IN THE PAVEMENT. DOWEL CAPS SHALL BE PROVIDED ON ONE END OF THE DOWEL AND THE DOWELS SHALL BE COATED WITH AN APPROVED HEAVY GREASE. IN THE SPACE ABOVE THE EXPANSION MATERIAL. THE JOINT SHALL BE FILLED	AC HVAC UNIT DOWNSPOUT
<ol> <li>NO BURNING OR BURYING OF ANY DEMOLITION MATERIAL IS PERMITTED ON SITE.</li> <li>DAMAGED OR BROKEN INLETS, CATCH BASINS, AND MANHOLES ARE TO BE REPLACED.</li> </ol>	15. AREAS HAVING SLOPES GREATER THAN 25% SHALL BE STABILIZED IN ACCORDANCE WITH ONE OF THE FOLLOWING TWO METHODS:	WITH JOINT SEALANT. <b>19.</b> CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS	□ BOMNSFOOT
12. COORDINATE DEMOLITION OF THE EXISTING PAVEMENTS WITHIN THE SITE LIMITS. ACCESS	A. SODDING	AND LOCATED WHERE SHOWN ON PLANS. JOINTS SHALL BE USED BETWEEN POURS. NUMBER FOUR (4) REBARS, THIRTY (30) INCHES LONG ON THIRTY (30) INCH CENTERS SHALL BE PLACED AT MID-DEPTH OF THE	CLOTHESLINE POLE
IS TO BE MAINTAINED DURING CONSTRUCTION OF THE PROJECT WITH THE OWNER.	B. EROSION CONTROL BLANKET SHALL BE 100% STRAW WITH LIGHTWEIGHT PHOTODEGRADABLE POLYPROPYLENE THREAD WITH STITCHING 1.5 INCHES ON CENTER. MATERIAL SHALL MEET FHWA FP-03 CATEGORIES, TYPE 2.C SHORT-TERM (UP TO 12 MONTHS)	PAVEMENT. THE CONCRETE POURS SHALL BE EDGED TO MATCH A ONE (1) INCH DEEP JOINTER AND FILLED WITH JOINT SEALANT OR SHALL BE SAWED TWO (2) INCHES DEEP OR AS INDICATED ON THE APPROPRIATE DETAIL AND FILLED WITH JOINT SEALANT.	DEMOLITION LEGE
STANDARD LAYOUT NOTES (SHEET C2.0)	EQUAL TO S75 AS MANUFACTURED BY NORTH AMERICAN GREEN, EVANSVILLE, INDIANA OR APPROVED EQUAL. EROSION CONTROL BLANKET SHALL BE INSTALLED IN ACCORDANCE	20. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND	
<ol> <li>ALL PAVEMENT DIMENSIONS ARE MEASURED TO FACE OF CURB.</li> <li>WHERE APPLICABLE, COORDINATES ARE TO FACE OF CURB.</li> </ol>		LOCATED WHERE SHOWN ON PLANS. CONTRACTION JOINTS SHALL BE TWO (2) INCH DEEP SAWCUTS OR HAND TOOLED JOINTS MADE WITH AN ONE (1) INCH DEEP JOINTER. THE JOINTS SHALL BE FILLED WITH JOINT SEALANT.	HARDSCAPE
3. BUILDING DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT'S	<ol> <li>ALL CATCH BASIN GRATES SHALL BE BICYCLE / PEDESTRIAN SAFE.</li> <li>UNLESS NOTED OTHERWISE, ALL STORM SEWER SHALL BE IN CONFORMANCE WITH EITHER OF</li> </ol>	<b>21.</b> CONVENTIONAL SAWCUTS SHALL BE MADE WITHIN TEN (10) HOURS OF THE PLACEMENT OF THE CONCRETE. MAX PANEL SIZE BETWEEN ANY JOINT SHALL BE 10'	
PLANS PRIOR TO STARTING SITEWORK. 4. ALL PAVEMENT STRIPING SHALL BE 4" WHITE PAVEMENT MARKING LINE, 300 FEET PER	THE FOLLOWING:	22. AS AN ALTERNATIVE TO CONVENTIONAL SAW CUTTING, CONTRACTION AND CONSTRUCTION JOINTS MAY BE	
GALLON MINIMUM.	<u>RCP</u> A. PIPE MATERIAL - REINFORCED CONCRETE PIPE B. GASKETS - FLEXIBLE RUBBER OR BITUMINOUS MASTIC	"SOFF-CUT" AS SOON AS THE CONCRETE HAS HARDENED ENOUGH TO WALK ON. THIS SHALL BE DONE WITH A "SOFF-CUT" SAW AS MANUFACTURED BY SOFF-CUT INTERNATIONAL, INCORPORATION. FOR PAVEMENTS UP	
5. SPECIFICATIONS ADOPTED BY REFERENCE IN THESE PLANS REFER TO THE LATEST PUBLISHED REVISION THEREOF.	C. BEDDING - IDOT GRADATION CA-6 OR CA-7	TO NINE (9) INCHES IN THICKNESS A MINIMUM OF ONE (1) INCH DEPTH SAWCUT SHALL BE MADE. FOR PAVEMENTS GREATER THAN NINE (9) INCHES IN THICKNESS A MINIMUM ½ DEPTH SAWCUT SHALL BE REQUIRED.	
6. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION, NOR SAFETY ON THE JOB SITE, NOR	OR ADD NL42	<ul> <li>23. DOWEL BARS SHALL BE PLAIN ROUND BILLET-STEEL BARS MEETING THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR BILLET-STEEL CONCRETE REINFORCEMENT BARS", ASTM DESIGNATION A-15. THE</li> </ul>	
SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NEITHER THE	ADS N-12 A. PIPE & MATERIAL - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE) OR APPROVED EQUIVALENT.	FINISHED BARS SHALL BE FREE FROM BURRS OR OUT OF ROUND ENDS WHICH WOULD PREVENT EASY SLIPPAGE IN THE DOWEL BAR CAPS.	
PROFESSIONAL ACTIVITIES OF THE ENGINEER NOR THE PRESENCE OF THE ENGINEER AT A CONSTRUCTION SITE SHALL RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING ANY HEALTH AND SAFETY PRECAUTIONS REQUIRED BY	<ul> <li>B. JOINTS - AASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER</li> <li>"O-RING" GASKET JOINTS MEETING ASTM F-477.</li> </ul>	24. JOINT SEALANT SHALL BE HOT-POURED TYPE PAF-3 COMPLYING WITH SECTION 1050.02 OF THE STANDARD	
ANY REGULATORY AGENCIES.	<ul> <li>C. INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.</li> <li>D. INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY</li> </ul>	SPECIFICATIONS. JOINTS SHALL BE SEALED TO WITHIN ONE-EIGHTH (½) INCH OF THE SURFACE. 25. CONCRETE POURS SHALL BE ENDED AT CONSTRUCTION. ISOLATION. EXPANSION. OR CONTRACTION JOINTS	
UTILITY NOTES (SHEET C3.0)	EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS I, II OR III.	AS INDICATED ON THE PLANS. PARTIAL SLABS SHALL NOT BE ALLOWED. FOR POURS ENDED AT CONTRACTION JOINTS THE JOINT SHALL BE CONSTRUCTED AS A CONSTRUCTION JOINT.	
1. VERIFY EXISTING UTILITY INVERTS PRIOR TO STARTING SITEWORK. UTILITY CONTACTS	E. GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCP STORM SEWER. F. ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF	<b>26.</b> ALL CASTINGS IN PAVEMENT AREAS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED PAVEMENT SURFACE ELEVATION. STORM SEWER MANHOLE AND INLET CASTINGS IN THE PAVEMENT GUTTERS SHALL BE	PROPOSED LEGEN
A. <u>ELECTRIC</u> D. <u>CABLE / TELEPHONE</u>	LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES. 19. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE MAINTAINED IN SERVICE AND	DEPRESSED ONE-HALF ( $\frac{1}{2}$ ) INCH TO ONE (1) INCH OR AS APPROPRIATE TO AID IN DIRECTING RUNOFF INTO THE CASTING. THE CONCRETE PAVEMENT ADJACENT TO ALL CASTINGS SHALL BE EDGED WITH A	
VILLAGE OF RANTOULFRONTIER COMMUNICATIONSATTN: GREG HAZELATTN: JOE BIRCH200 WEST GROVE212 E. GROVE AVENUE	BE REPLACED WITH HDPE OR PVC PIPE STORM SEWER OF APPROPRIATE SIZE AND SLOPE.	ONE-QUARTER (¼) INCH RADIUS EDGER. 27. PAVEMENT SHALL BE FINISHED WITH A FINISHING MACHINE APPROVED BY THE ENGINEER OR OWNER'S	
RANTOUL, ILLINOIS 61866       RANTOUL, ILLINOIS 61866         PH: 217.892.2178       PH: 217.892.3338	20. REFER TO THE PROJECT GEOTECHNICAL REPORT FOR EARTHWORK RECOMMENDATIONS FOR COMPACTION.	REPRESENTATIVE. THE MACHINE SHALL BE SELF-PROPELLED, CAPABLE OF STRIKING OFF, CONSOLIDATING, AND FINISHING THE CONCRETE OF THE CONSISTENCY REQUIRED TO THE PROPER CROWN AND GRADE, OR	
3. <u>WATER</u> <u>MEDIACOM</u> VILLAGE OF RANTOUL 1251 E. GROVE AVENUE	PORTLAND CEMENT CONCRETE PAVEMENT NOTES	OTHER METHOD APPROVED. 28. WATER SHALL NOT BE ADDED TO THE SURFACE OF THE CONCRETE FOR FINISHING PURPOSES. PAVEMENTS	STORM SEV
ATTN: TROY SISK RANTOUL, ILLINOIS 61866 101 BELLE AVENUE PH: 800.874,2991	1. PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 420 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE CONCRETE PAVEMENT CONSTRUCTION NOTES AND DETAILS CONTAINED IN THESE PLANS.	SHALL HAVE A HEAVY BROOMED FINISH TRANSVERSE TO THE DIRECTION OF TRAVEL.	
RANTOUL, ILLINOIS 61866 E. <u>FIRE DEPARTMENT</u>	2. THE SUBGRADE FOR PAVEMENTS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 301 OF THE	<b>29.</b> VIBRATING SCREEDS SHALL NOT RUN ON THE EDGE OF NEW PAVEMENTS UNTIL CONCRETE HAS CURED AT LEAST 72 HOURS.	SIDEWALK,
C. <u>SANITARY SEWER</u> VILLAGE OF RANTOUL 1625 EAST GROVE RANTOUL ATTN: KEN WATERS 333 SOUTH TANNER	"STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE NOTES AND DETAILS CONTAINED IN THESE PLANS.	<b>30.</b> PAVEMENTS AND CURBS SHALL BE CURED USING POLYETHYLENE FILM OR A CURING COMPOUND APPLIED UNIFORMLY TO ALL EXPOSED SURFACES INCLUDING THE BACK OF CURBS DURING SLIP FORMING.	
RANTOUL, ILLINOIS 61866     RANTOUL, ILLINOIS 61866       PH: 217.982.2762     PH: 217.892.8401	<b>3.</b> PORTLAND CEMENT CONCRETE SHALL BE A MINIMUM OF SIX (6) BAG MIX, WITH FIVE PERCENT (5%) TO EIGHT PERCENT (8%) ENTRAINED AIR. THE CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE	PAVEMENTS SHALL BE PROTECTED FROM HOT AND COLD WEATHER WHEN WARRANTED BY WEATHER CONDITIONS IN ACCORDANCE WITH ARTICLE 1020.13 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND AS DIRECTED BY THE ENGINEER.	PAVEMENT 5" PORTLAN
	STRENGTH IN FOURTEEN (14) DAYS OF 3,500 P.S.I. THE MAXIMUM SLUMP SHALL BE THREE (3) INCHES, FOR MACHINE PLACED PAVEMENT, 3½ INCHES FOR VIBRATORY SCREED PLACED PAVEMENT, AND FOUR (4) INCHES FOR SMALL AREAS (LESS THAN 25 SQ. FT.) OF HAND PLACED PAVEMENT. MINIMUM	31. WHEN CURING COMPOUND IS UTILIZED IT SHALL BE APPLIED WITHIN 30 MINUTES OF SURFACE FINISHING.	(NON-REIN 4" AGGREG
APPLICABLE CODES ILLINOIS ACCESSIBILITY CODE	SLUMP SHALL BE TWO (2) INCHES. FAILURE TO MEET ANY OF THESE REQUIREMENTS SHALL BE CAUSE FOR REJECTION OF THE CONCRETE.	32. PROTECT EXISTING PORTLAND CEMENT CONCRETE SURFACES FROM DAMAGE IMMEDIATELY AFTER BEING POURED AND DURING THE CONSTRUCTION OPERATIONS. EXISTING CONCRETE AND NEW CONCRETE	(PROOF RC AREA PRIO
ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION	4. PORTLAND CEMENT CONCRETE MIX DESIGN AND PRIOR TEST PERFORMANCE REPORTS FOR THE MIX DESIGN, SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR APPROVAL. APPROVAL OF THE MIX	DAMAGED BY CONSTRUCTION OPERATIONS OR BY DEFACING THE CONCRETE SURFACE BEFORE FINAL SET SHALL BE REPLACED.	STONE BAS PROJECT C
	DESIGN, SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR APPROVAL. APPROVAL OF THE MIX DESIGN DOES NOT RELIEVE THE CONTRACTOR OF HIS DUTY TO PROVIDE CONCRETE MEETING ALL APPLICABLE REQUIREMENTS.	<b>33.</b> FORMS SHALL NOT BE REMOVED FOR 24 HOURS AFTER CONCRETE PLACEMENT. CARE SHOULD BE EXERCISED WHEN REMOVING THE FORMS SO CONCRETE EDGES ARE NOT CRACKED OR DAMAGED. AFTER	REPORT
BENCHMARK	<ul> <li>5. ALL STICKS, ROOTS, TOPSOIL, AND ORGANIC MATERIALS SHALL BE REMOVED FROM THE SUBGRADE. ALL SPONGY AREAS IN THE SUBGRADE SHALL BE REMOVED AND REPLACED WITH COMPACTED</li> </ul>	FORMS ARE REMOVED, ALL VISIBLE VOIDS AND HONEYCOMBS OF ONE-HALF ( $/_2$ ) INCH IN DIAMETER OR LARGER SHALL BE FILLED IN WITH MORTAR OR GROUT AND BRUSHED SMOOTH IMMEDIATELY AFTER FORM REMOVAL.	
BENCHMARK #103	AGGREGATE OR CLAY MATERIAL SUITABLE TO THE ENGINEER. 6. NEEDED FILL BENEATH PAVEMENTS SHALL BE CLAY FROM ON SITE SOURCES OR CRUSHED STONE	34. TRAFFIC, INCLUDING CONSTRUCTION EQUIPMENT, SHALL NOT BE ALLOWED ON PAVEMENTS FOR AT LEAST	
BENCHMARK #103 NORTHEAST BOLT CAP ON FIRE HYDRANT BY OIL FILL, LOCATED IN LANDSCAPE	6. NEEDED FILL BENEATH PAVEMENTS SHALL BE CLAY FROM ON SITE SOURCES OR CRUSHED STONE AGGREGATE CONFORMING TO CA-6 OR CA-10 GRADATION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.	SEVEN (7) DAYS. 35. THE AREA ADJACENT TO THE PAVEMENT SHALL BE CLEANED UP, BACKFILLED, AND GRADED AS SOON AS	
CIRCLE IN NORTHWEST CORNER OF SITE. ELEV=551.04		POSSIBLE AFTER PAVEMENT CONSTRUCTION.	1

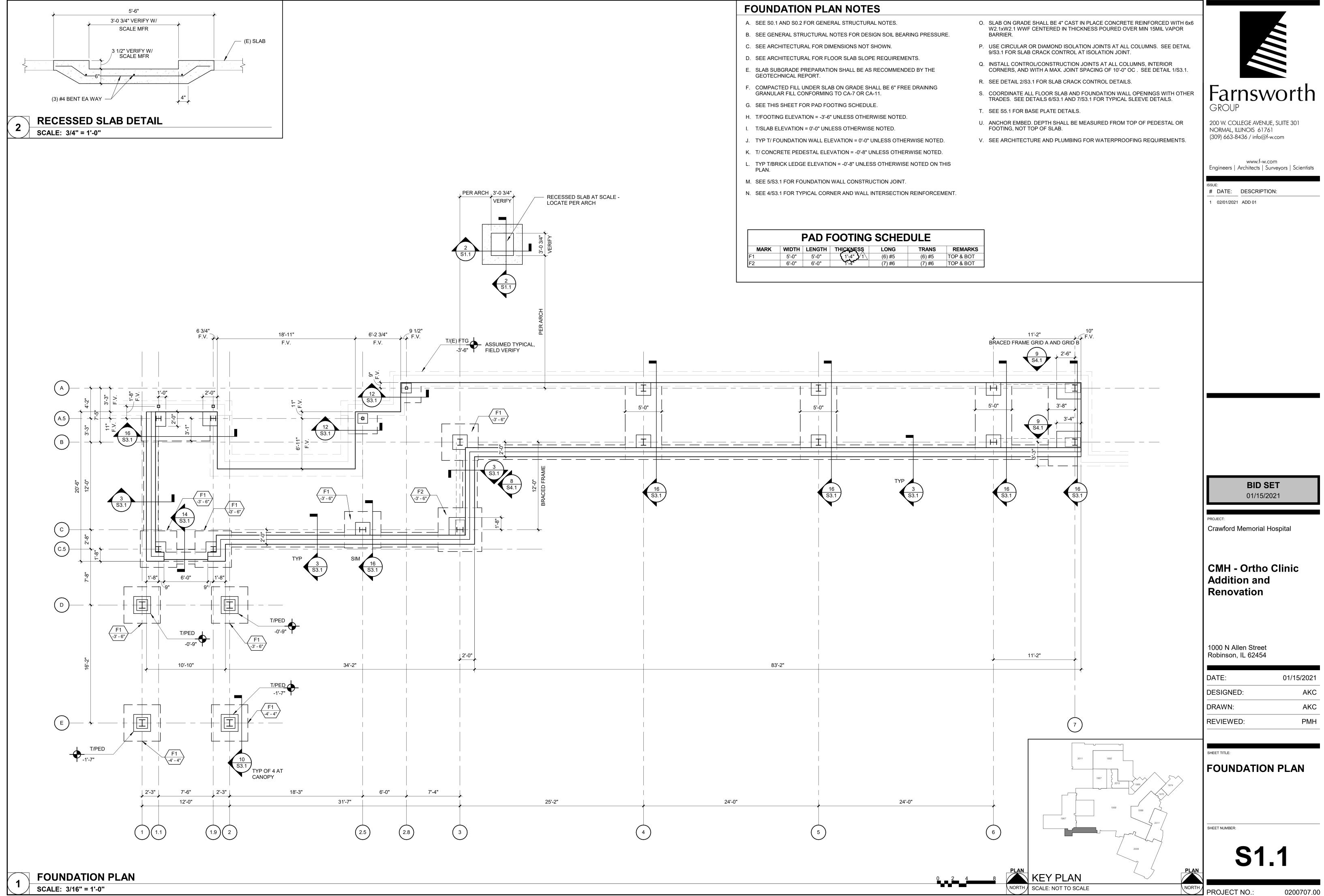


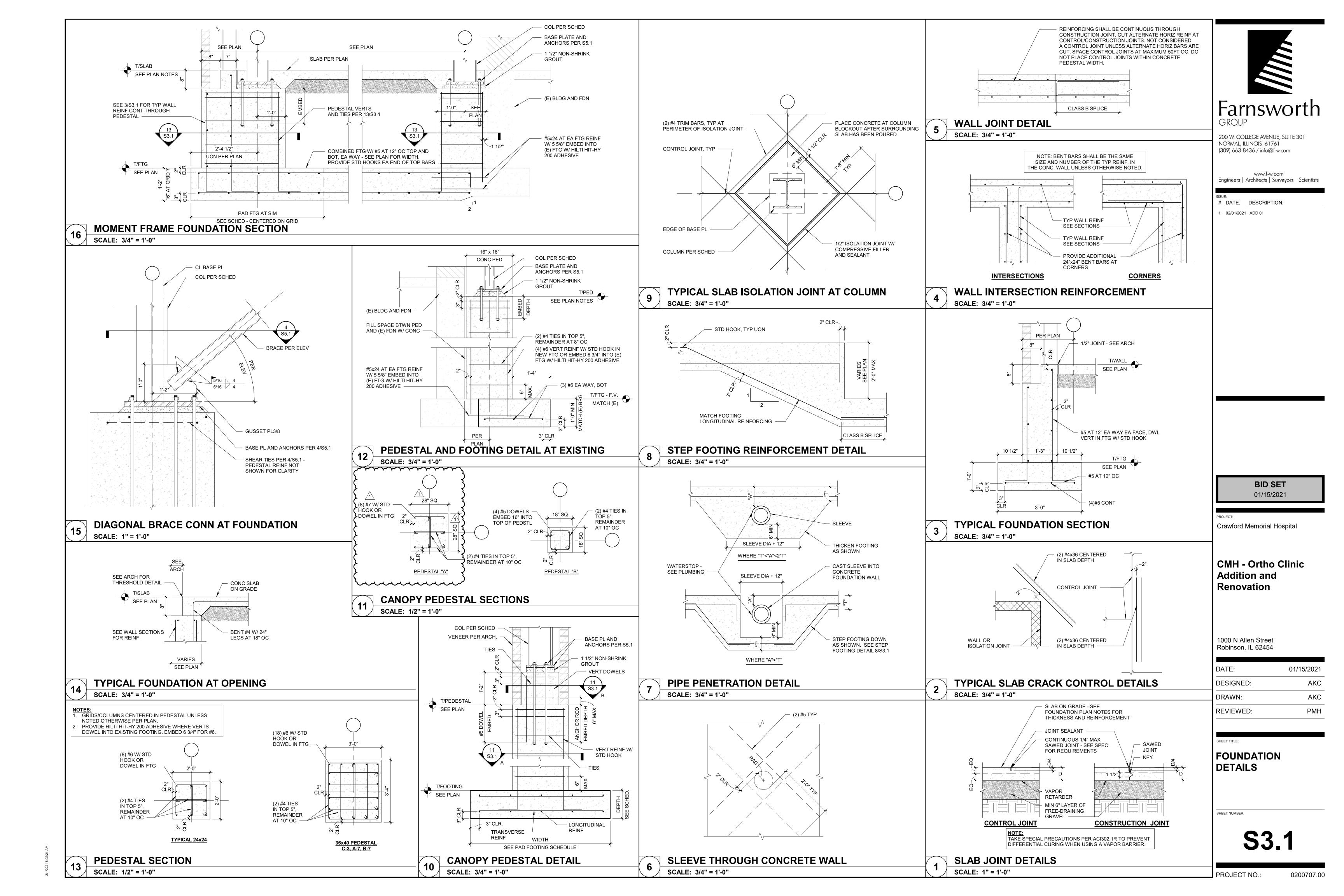


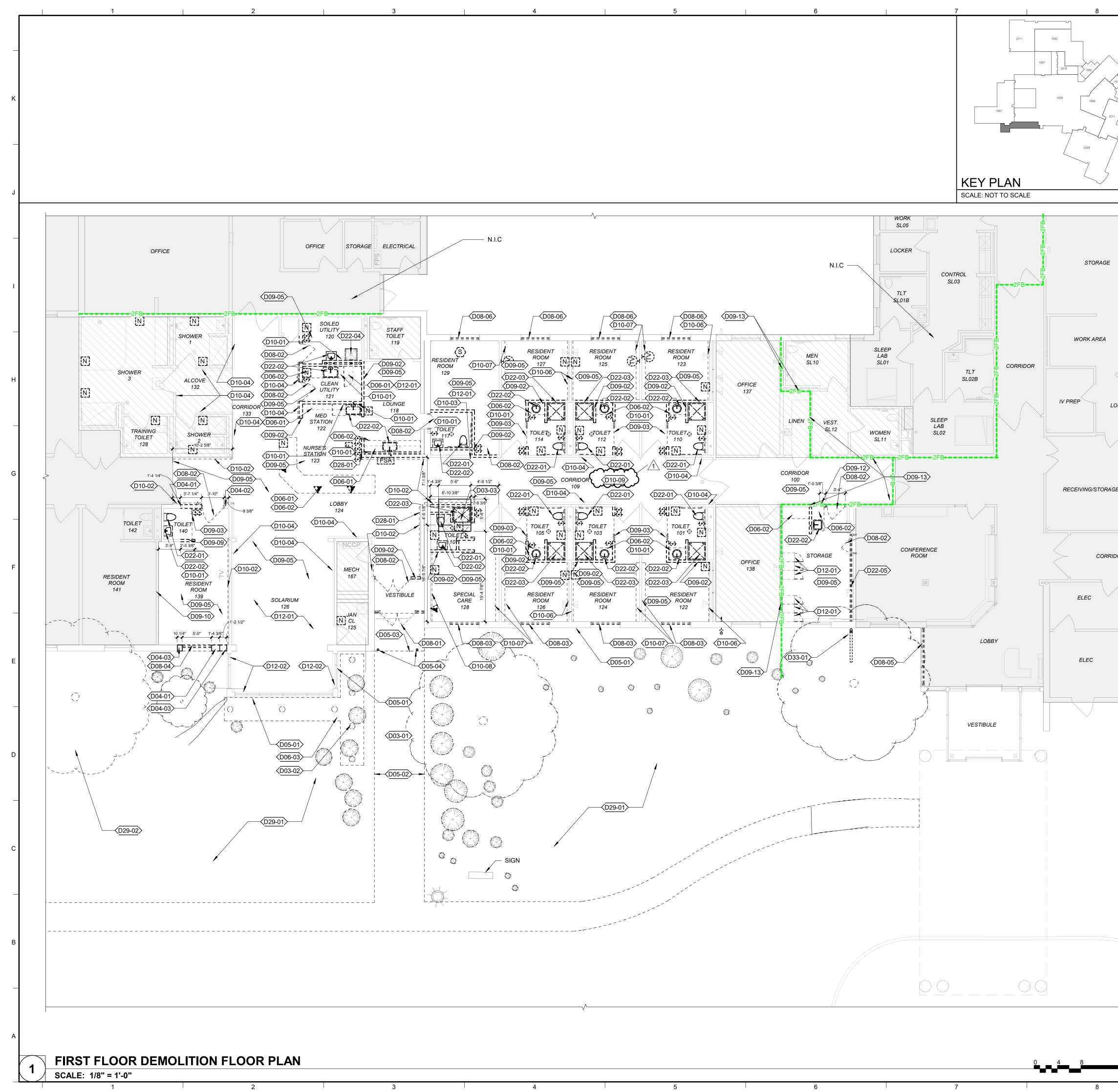
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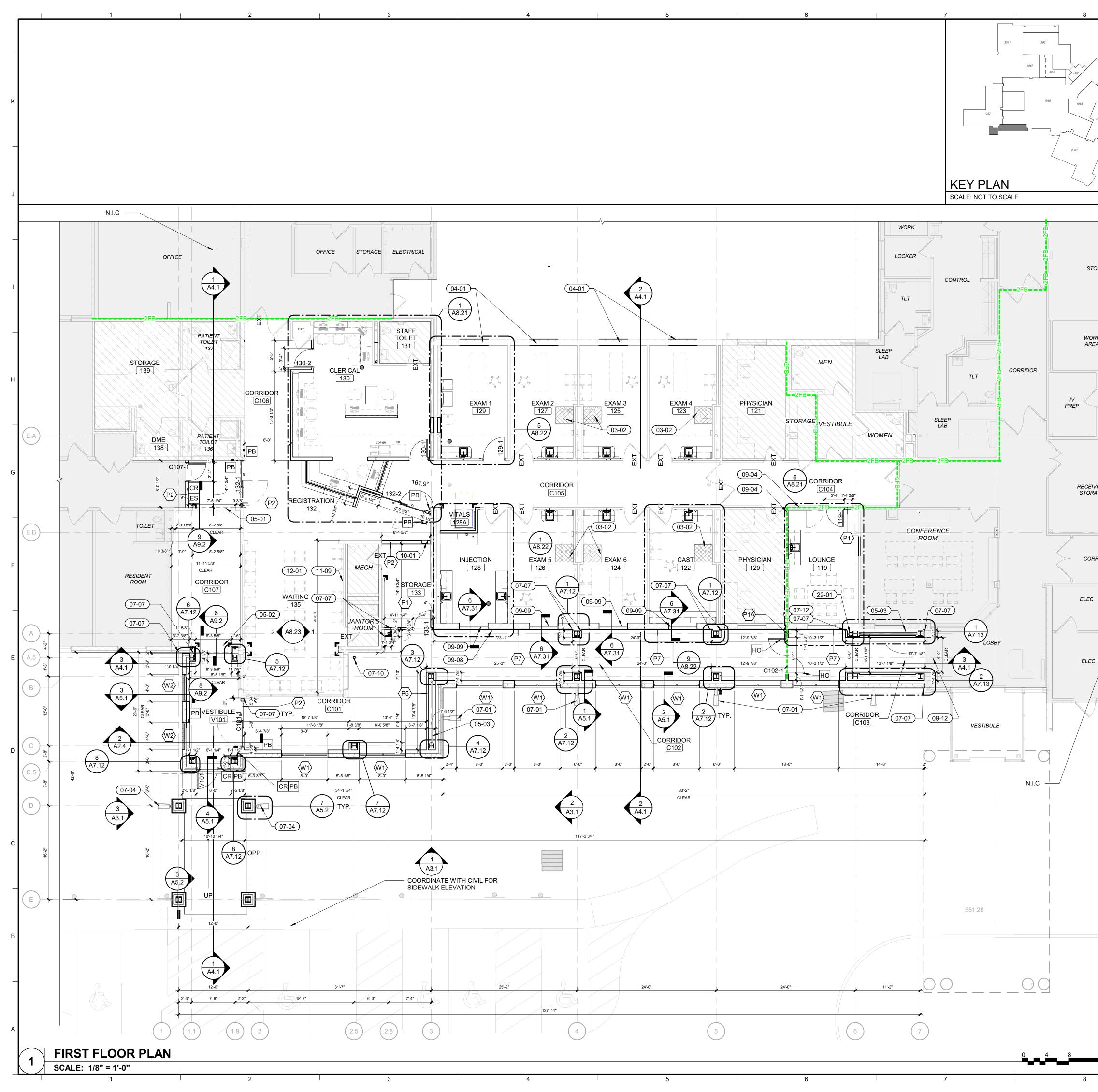






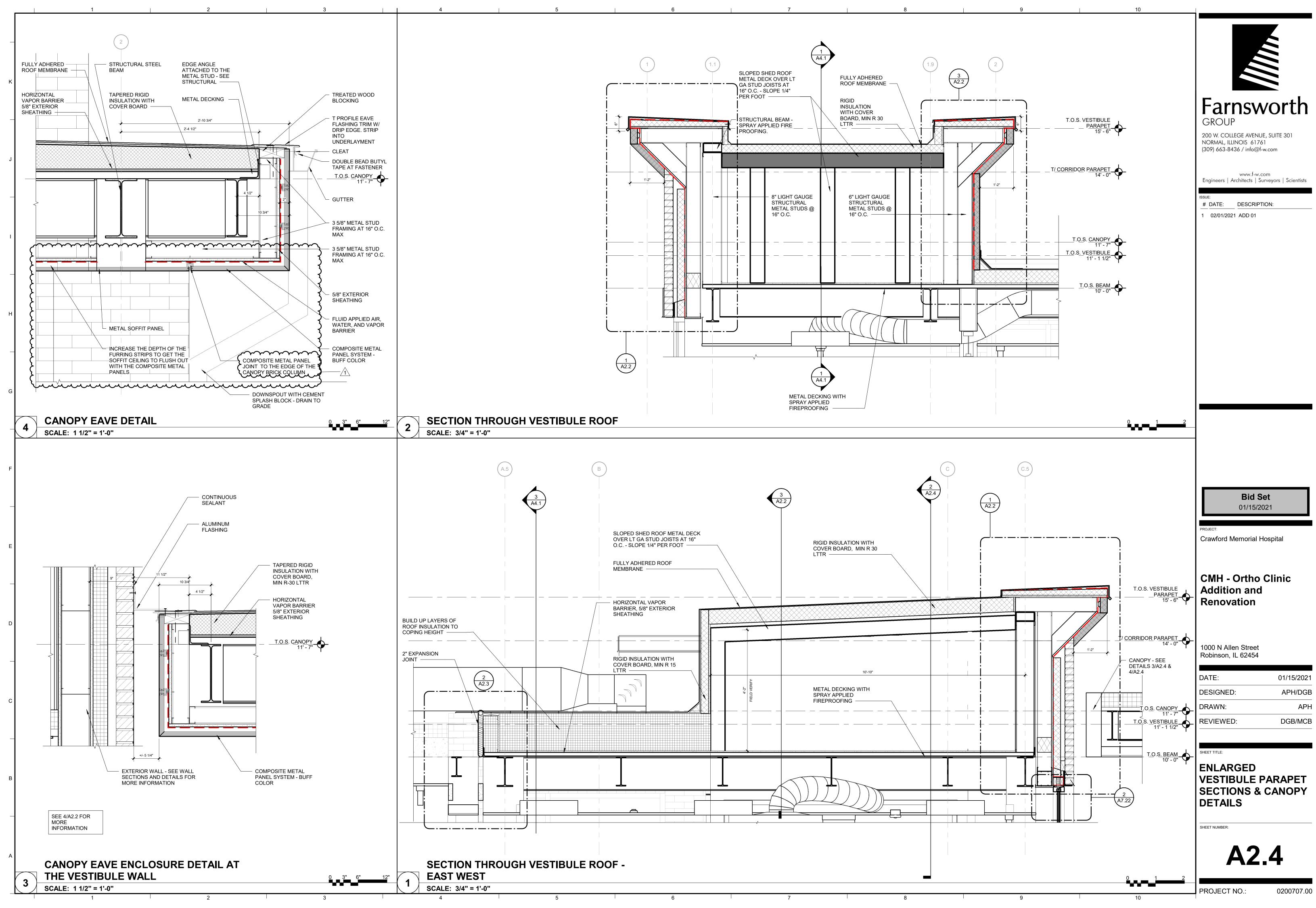


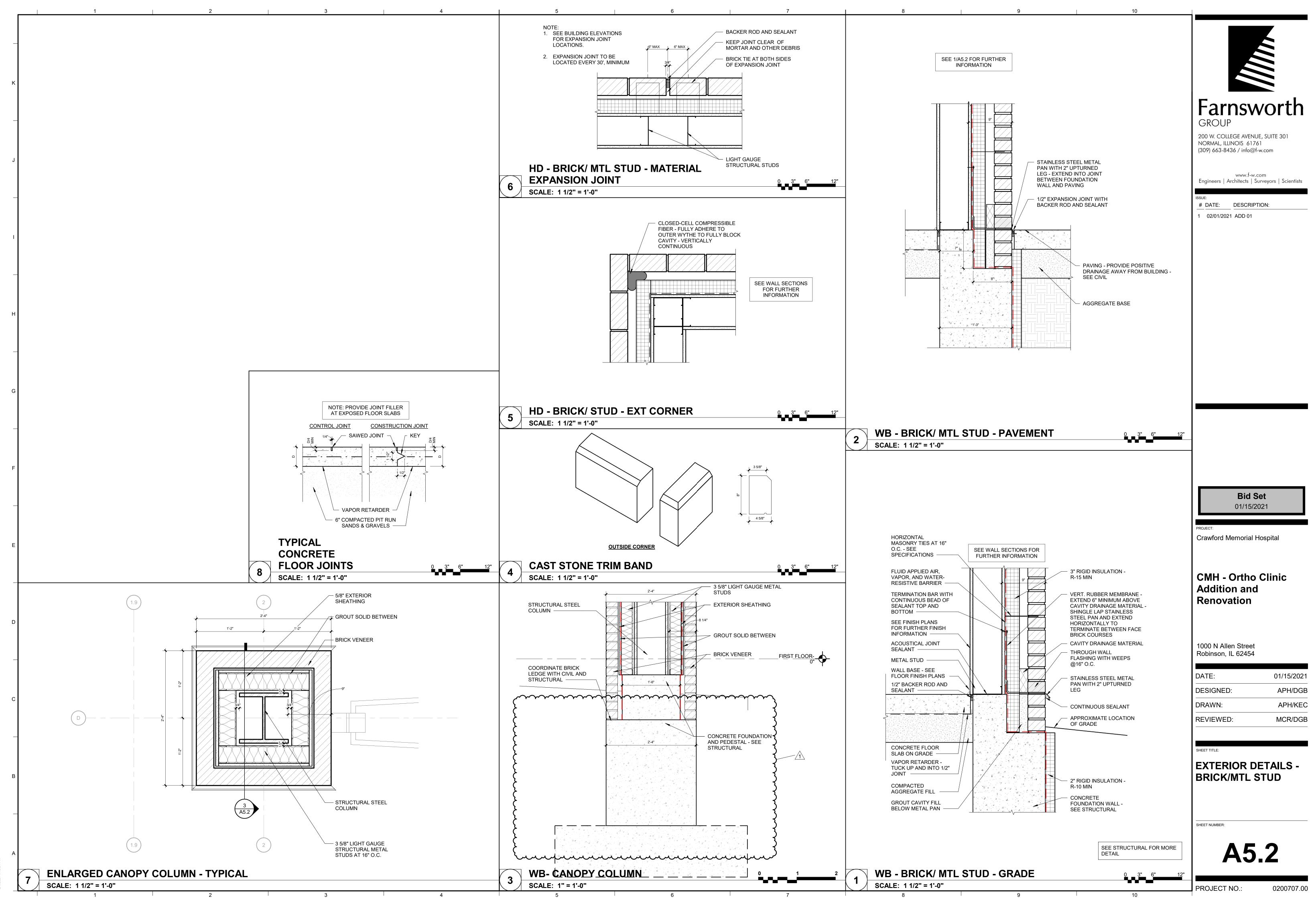
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	DEM	OLITION GENERAL NOTES	
		G CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE EW CONSTRUCTION. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE	
^	REMOV	ED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION SCHEDULED NEW WORK. THIS SHALL INCLUDE DEMOLITION OF ADJACENT	
$\sim$	ITEMS, A	ACCESSORIES, AND APPURTENANCES AS NECESSARY. DEMOLITION IGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL	
1974	COORD	INATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE INSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO	
		MODATE NEW WORK.	
		NTRACTOR IS RESPONSIBLE FOR RETAINING AND RELOCATING ALL SALVAGE	
2011		GNATED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR IS SIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS. ALL	<b>F</b> (1
		G HARDWARE AND WALL MOUNTED ACCESSORIES TO BE SALVAGED AND TO DED TO THE OWNER.	Farnsworth
the first of the second		G ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC, TO REMAIN IN PLACE	GROUP
	SHALL E	BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND	
PLAN	DEMOLI	RUCTION. PROTECT ALL FINISHES TO REMAIN FROM DAMAGE DURING TION AND CONSTRUCTION. PRIOR TO DEMOLITION, ENSURE THE STABILITY	200 W. COLLEGE AVENUE, SUITE 301 NORMAL, ILLINOIS 61761
		WALLS TO REMAIN. REMOVE ACOUSTICAL CEILINGS INCLUDING, BUT NOT TO, RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES,	(309) 663-8436 / info@f-w.com
NORTH	DEMOLI	ERS, EXIST SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES. TION OF FLOOR FINISHES INCLUDES REMOVAL OF ADHESIVES, GROUTING	
	BEDS, R	ESILIENT BASE, ETC.	www.f-w.com
		AL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, NES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.	Engineers   Architects   Surveyors   Scientists
	REMOV	AL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, ERS, ETC. SEE MECHANICAL DRAWINGS. REMOVAL OF EXISTING ELECTRICAL	ISSUE:
-	SYSTEM	IS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING S, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE	# DATE: DESCRIPTION:
DRAGE		'S AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.	1 02/01/2021 ADD 01
		OUS MATERIALS INCLUDING, BUT NOT LIMITED TO; ASBESTOS AND/OR LEAD	
~	TESTING	S ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A G COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE	
		IENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH IENT CONTRACTOR.	
		OLITION KEYNOTES (BY DIVISION)	
AREA	DIVISION 03 D03-01	REMOVE EXISTING EXTERIOR CONCRETE STOOP IN ITS ENTIRETY.	
	D03-02	REMOVE EXISTING CONCRETE PERGOLA COLUMNS	
	D03-03	REMOVE 5'-6"X5'-6"X 3.5" (DEPTH) OF THE CONCRETE FLOOR CONSTRUCTION TO ACCOMMODATE RECESSED FLOOR SCALE. SEE STRUCTURAL AND	
		PLUMBING FOR MORE INFORMATION. COORDINATE WITH SHOWER INFILL LOCATION.	
	DIVISION 04		
LOUNGE	D04-01	REMOVE EXISTING CMU WALL UPTO ONE COURSE BELOW THE BOTTOM OF PRECAST PLANK ROOF. SEE STRUCTURAL FOR LINTEL DETAILS. SEE NEW	
	D04-02	REFLECTED CEILING PLAN FOR BULKHEAD HEIGHT. RETAIN EXISTING CMU WALL TO EXTENTS SHOWN	
	D04-03	FIELD VERIFY EXISTING EXTERIOR WALL PRIOR TO STEEL FABRICATION AND DEMOLITION OF CMU WALL - SEE STRUCTURAL FOR MORE INFORMATION	
	DIVISION 05		
	D05-01	REMOVE EXISTING PARAPET COPING - DO NOT REMOVE OR DAMAGE ADJACENT ROOF. TYPICAL FOR EXTENT OF NEW CONSTRUCTION ADDITION.	
	D05-02	REMOVE METAL RAILINGS IN ITS ENTIRETY. SALVAGE TO OWNER.	
STORAGE	D05-03 D05-04	REMOVE EXISTING CANOPY IN ITS ENTIRETY. REMOVE EXISTING COLUMN.	
	DIVISION 06 D06-01	REMOVE EXISTING CASEWORK IN ITS ENTIRETY.	
	D06-02	REMOVE EXISTING COUNTERTOP IN ITS ENTIRETY.	
	D06-03 DIVISION 08	REMOVE EXTERIOR TRELLIS FRAMING	
	D08-01	REMOVE EXISTING EXTERIOR DOOR(S) AND FRAME ASSEMBLY. SALVAGE TO	
CORRIDOR	D08-02	OWNER. REMOVE EXISTING INTERIOR DOOR(S) AND FRAME ASSEMBLY. SALVAGE TO	
	D08-03	OWNER. REMOVE EXISTING EXTERIOR WINDOW ASSEMBLY, INCLUDING SILL TO	
		BULKHEAD. SALVAGE TO OWNER.	
	D08-04	REMOVE EXISTING WINDOW ASSEMBLY, INCLUDING SILL, AND PREPARE FOR NEW OPENING. SALVAGE TO OWNER. SEE STRUCTURAL FOR MORE DETAILS.	
	D08-05	REMOVE EXISTING STOREFRONT ASSEMBLY IN ITS ENTIRETY. SALVAGE TO OWNER.	Bid Set
WORK	D08-06	BASE BID - REMOVE EXISTING WINDOW ASSEMBLY, INCLUDING SILL. ALTERNATE-1 RETAIN EXISTING EXTERIOR WINDOW ASSEMBLY, INCLUDING	01/15/2021
		SILL	
	DIVISION 09 D09-01	REMOVE EXISTING ACOUSTICAL TILE CEILING SYSTEM AND ACCESSORIES TO	PROJECT:
	D09-02	FULL EXTENTS OF ROOM. REMOVE EXISTING METAL STUD WALL IN ITS ENTIRETY	Crawford Memorial Hospital
HOT LAB	D09-03	REMOVE EXISTING PRIVACY CURTAIN AND TRACK.	
	D09-04 D09-05	REMOVE EXISTING BULKHEAD. REMOVE EXISTING FLOORING INCLUDING ADHESIVE, TRANSITIONS, WALL	
<b></b>	D09-06	BASE AND OTHER ACCESSORIES TO EXTENTS SHOWN. EXISTING BULKHEAD TO REMAIN	CMH - Ortho Clinic
	D09-07	EXISTING ACT TO REMAIN. REMOVE AND REINSTALL AS REQUIRED FOR	Addition and
	D09-09	ABOVE CEILING MECHANICAL WORK. REMOVE EXISTING METAL STUD WALL TO THE BOTTOM OF THE EXISTING	Renovation
	D09-10	SOFFIT. RETAIN EXISTING METAL STUD WALL	
	D09-11	DO NOT REMOVE EXISTING MAIN SUPPORT. FIELD VERIFY LOCATION.	
	D09-12	REMOVE EXISTING METAL STUD WALL UP TO 7'-0" HEIGHT. PREPARE FOR NEW OPENING.	
	D09-13	GRAPHIC INDICATES NEW LOCATION OF 2-HOUR OCCUPANCY SEPARATION. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING CEILING AS NEEDED	1000 N Allen Street
	DIVISION 10	TO UPGRADE EXISTING WALLS TO 2-HOUR FIRE RATING.	Robinson, IL 62454
	D10-01	REMOVE EXISTING PAPER TOWEL, TOILET ROLL AND SOAP DISPENSER.	
	D10-02	SALVAGE TO OWNER. REMOVE EXISTING WALL PROTECTION AND WALL BUMPER HAND RAIL TO	DATE: 01/15/2021
	D10-03	EXTENTS SHOWN. SALVAGE TO OWNER. SALVAGE EXISTING WALL PROTECTION AND WALL BUMPER HAND RAIL CUT TO	DESIGNED: APH/DGB
		NEW LENGTH.	
	D10-04 D10-06	EXISTING WALL PROTECTION AND WALL BUMPER HAND RAIL TO REMAIN. EXISTING WALL PROTECTION TO REMAIN.	DRAWN: APH/KEC
	D10-07	REMOVE EXISTING WALL BUMPER HAND RAIL TO EXTENTS SHOWN. SALVAGE TO OWNER. PREP FOR NEW FINISH.	REVIEWED: MCR/DGB
	D10-08	REMOVE EXISTING WALL PROTECTION TO EXTENTS SHOWN. PREP FOR NEW	
γ	D10-09	REMOVE EXISTING ROOM SIGNS AND PREP FOR NEW FINISH.	
	DIVISION 12 D12-01	REMOVE EXISTING FURNITURE AND SALVAGE TO OWNER.	SHEET TITLE:
	D12-02	RETAIN EXISTING WINDOW TREATMENTS. PROTECT THEM DURING CONSTRUCTION.	FIRST FLOOR
	DIVISION 22		DEMOLITION PLAN
	D22-01	REMOVE EXISTING TOILET INCLUDING ASSOCIATED WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.	
	D22-02	REMOVE EXISTING SINK INCLUDING ASSOCIATED WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.	
	D22-03	REMOVE EXISTING SHOWER AND SHOWER SEAT INCLUDING ASSOCIATED	
		WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.	
	D22-04	REMOVE EXISTING TUB INCLUDING ASSOCIATED WATER PIPING, ETC. CAP WATER AND WASTE PIPING AT LAST ACTIVE SERVICE.	SHEET NUMBER:
	D22-05	TEMPORARILY REMOVE EXISTING STORM PIPE - SEE PLUMBING.	
	DIVISION 28 D28-01	REMOVE EXISTING FIRE ALARM - SEE ELECTRICAL.	AD1.1
	DIVISION 29 D29-01	RETAIN EXISTING TREE - SEE CIVIL.	
	D29-02	EXISTING SHRUBS AND TREES TO BE REMOVED - SEE CIVIL.	
NORTH	DIVISION 33 D33-01	EXISTING STORM DRAIN - SEE PLUMBING.	PROJECT NO.: 0200707.00
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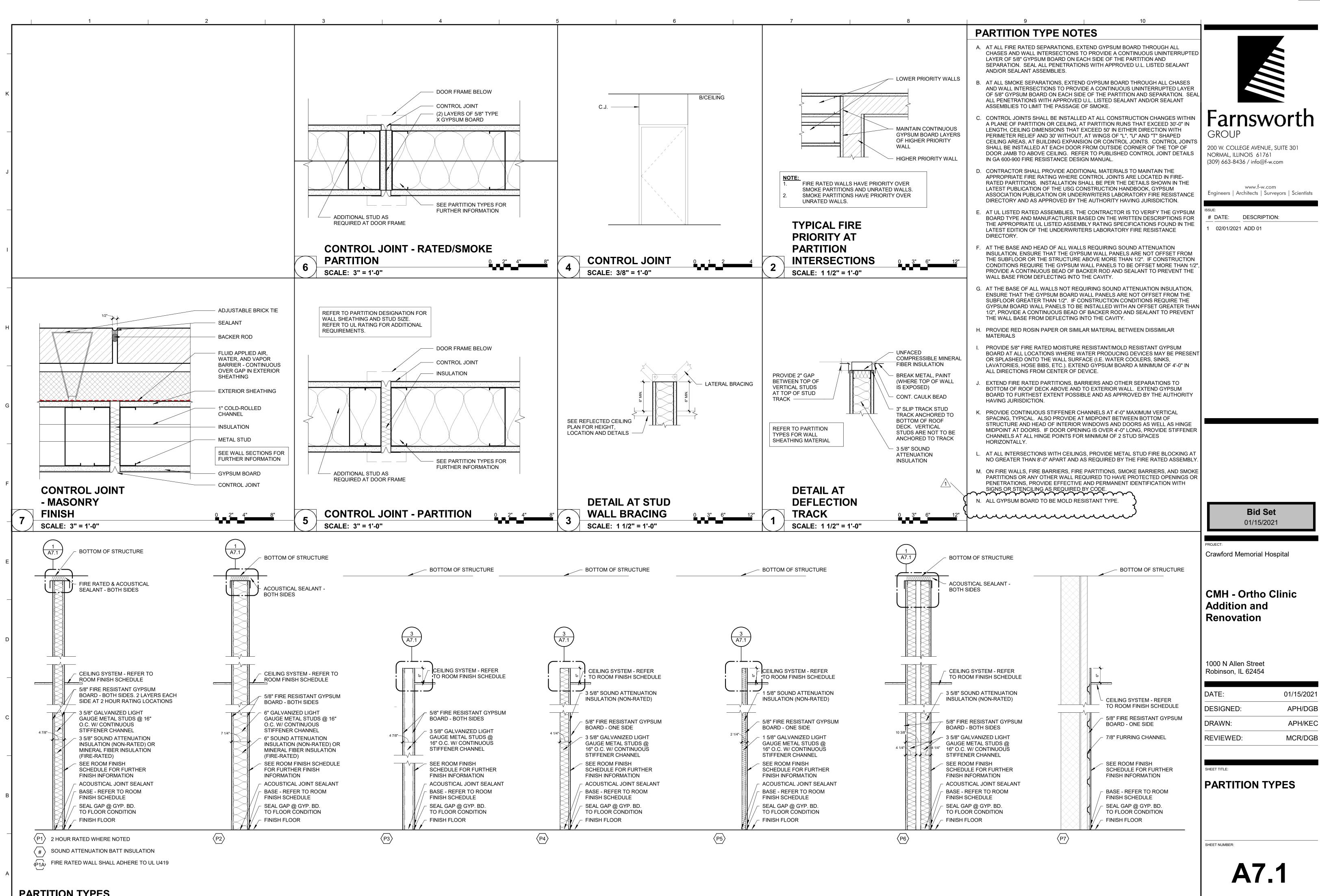
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	PL/	AN GENERAL NOTES	
		ER TO LIFE SAFETY PLANS FOR LOCATION AND DESCRIPTION OF FIRE RATED	
		TITIONS AND FIRE SEPARATIONS.	
$\sim$		DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED	
1974		ERWISE. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE ATED. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE	
1970	NOTI	ED.	
2		END FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND	
	THES	TITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE SE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN	
2011		GNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND KE RESISTANCE INFORMATION.	Earnowarth
		CH EXISTING ROOFS AS REQUIRED FOR NEW WORK.	Farnsworth
/ 8			GROUP
/ {	BUT	CH EXISTING FLOORS AND WALLS, WHERE AFFECTED BY DEMO WORK INCLUDING NOT LIMITED TO REMOVAL OF WALL MOUNTED SIGNS, OR OTHER CONSTRUCTION	200 W. COLLEGE AVENUE, SUITE 301
PLAN		MENTS ETC.	NORMAL, ILLINOIS 61761
	F. DISS	SIMILAR FLOOR FINISH MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF.	(309) 663-8436 / info@f-w.com
NORTH	G. CLEA	AN EXISTING STONE OR BRICK WALL EXPOSED TO VIEW.	
		ER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING	www.f-w.com
		INSIONS. HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL RSECTION UNLESS OTHERWISE NOTED. FURNITURE IS SHOWN FOR REFERENCE	Engineers   Architects   Surveyors   Scientists
	ONL	Y AND IS NOT IN CONTRACT.	ISSUE:
	I. INST.	ALL HAND SANITIZER AS REQUIRED. COORDINATE WITH OWNER FOR LOCATIONS.	# DATE: DESCRIPTION:
	L. NOT	UNDER CURRENT SCOPE OF WORK.	1 02/01/2021 ADD 01
DRAGE	KE	YNOTES (BY DIVISION)	
	DIVISION	03	
	03-01	CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATION. COORDINATE THE INFILL WITH THE NEW RECESSED CONCRETE SLAB FOR IN-FLOOR MEDICAL	
		SCALE - SEE STRUCTURAL FOR MORE INFORMATION.	
rK	03-02	CONCRETE SLAB INFILL AT EXISTING SHOWER LOCATIONS. TYPICAL AT ALL LOCATIONS	
A	DIVISION	04	
	04-01	BASE BID - INFILL PREVIOUS WINDOW LOCATION. MATCH EXISTING WALL WIDTH, TYPE. BRICK INFILL TO BE TOOTHED IN TO MATCH THE SURROUNDING BRICK.	
		PROVIDE A SMOOTH UNINTERRUPTED FINISH. * ALTERNATE - 1 RETAIN ALL WINDOWS INCLUDING SILL.	
	DIVISION	05	
	05-01	PROVIDE STRUCTURAL LINTEL. TOP OF BEAM SHALL BE ONE COURSE BELOW BOTTOM OF PRE CAST PLANK ROOF - SEE STRUCTURAL FOR MORE	
LOUNGE	05.00	INFORMATION	
	05-02	PROVIDE STRUCTURAL LINTEL. FIELD VERIFY EXISTING EXTERIOR WALL PRIOR TO STEEL FABRICATION AND DEMOLITION OF CMU WALL - SEE STRUCTURAL	
	05-03	FOR MORE INFORMATION STRUCTURAL CROSS BRACING - SEE STRUCTURAL	
	DIVISION		
	06-01	PROVIDE BLOCKING FOR GRAB BARS - COORDINATE WITH OWNER FOR LOCATION (CFCI)	
	06-02	SLOPED PLAM CLOSURE PANEL (CFCI) - SEE DETAIL FOR NOTES	
	06-03 DIVISION	GROMMET FOR EACH WORKSTATION 07	
AGE	07-01	6" DOWNSPOUT WITH CEMENT SPLASH BLOCK - DRAIN TO GRADE	
	07-02 07-03	PARAPET SCUPPER AND CONDUCTOR HEAD - 16"X12" FULLY ADHERED MEMBRANE ROOF SYSTEM OVER R-30 LTTR RIGID ROOF	
		INSULATION, SLOPED TO DRAIN 1/4":1'-0" MIN	
	07-04 07-05	4" DOWNSPOUT WITH CEMENT SPLASH BLOCK - DRAIN TO GRADE 2" ROOF EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION	
	07-06	CONNECTS TO EXISTING BUILDING. TYPICAL GUTTER	
RIDOR	07-08	2" WALL EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION	
	07-08	CONNECTS TO EXISTING BUILDING. TYPICAL ADD TAPERED RIGID INSULATION AND ROOF MEMBRANE TO THE EXISTING	
		SOLARIUM ROOF TO DRAIN INTO NEW ROOF - FIELD VERIFY.	
	07-09 07-10	SEPARATE ROOF INFILL WITH LIGHT GAUGE STUD JOISTS - SEE STRUCTURAL INTUMESCENT FIRE PROOFING AROUND THE COLUMN	Bid Set
	07-11	2" CEILING EXPANSION JOINT, AT ALL LOCATIONS WHERE ORTHO ADDITION	01/15/2021
	07-12	CONNECTS TO EXISTING BUILDING. TYPICAL 2" FIRE RATED WALL EXPANSION JOINT AND JOINT COVER ON EACH SIDE OF	
	07.42	PARTITION.	PROJECT:
4	07-13 07-14	ROOF CURB AT MECHANICAL PENETRATION DUCT SUPPORT ROOF CURBS, PATCH EXISTING ROOFING - MAX 8'-0" ON CENTER	Crawford Memorial Hospital
	07-15	ADD TAPERED RIGID INSULATION AND ROOF MEMBRANE TO THE ADJACENT EXISTING COPING HEIGHT TO DRAIN INTO EXISTING ROOF - FIELD VERIFY.	
	DIVISION	08	
	08-01	APPLY GLAZING SURFACE FILM ON THE TOP SPANDREL OF THE EXISTING STOREFRONT AS SHOWN (CFCI) - SEE INTERIORS	
p	DIVISION	09	CMH - Ortho Clinic
	09-01 09-02	EXISTING BULKHEAD TO REMAIN 12" AXION TRIM TO SPAN VERTICALLY BETWEEN CEILING AND THE TOP OF	Addition and
		GLAZING, FULL DISTANCE - SEE DETAIL ON SHEET A9.31	Renovation
	09-03	EXISTING ACT TO REMAIN. REMOVE AND REINSTALL AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK.	
	09-04	REMOVE AND REPLACE EXISTING CEILING AS NEEDED TO UPGRADE EXISTING	
	09-05	WALLS TO 2-HOUR FIRE RATING. INFILL EXISTING OPENING WITH METAL STUD WALL OF SIMILAR WIDTH AND	
		TYPE. FINISHES TO MATCH EXISTING. PROVIDE A SMOOTH UNITERRUPTED FINISH.	1000 N Allen Street
	09-06	GYP BULKHEAD TO CONCEAL ROOF DRAIN	Robinson, IL 62454
	09-07 09-08	EXISTING WALL PROTECTION TO REMAIN IN ALL EXAM ROOMS AND CAST ROOM. 5/8" GYP BOARD ON 7/8" FURRING CHANNEL ALONG THE LENGTH OF THE WALL.	
		EXTEND 6" ABOVE CEILING.	DATE: 01/15/2021
	09-09	INFILL PREVIOUS WINDOW LOCATION WITH GYP BOARD ON ONE SIDE OF METAL STUDS AT EACH SIDE OF EXISTING WALL. MATCH EXISTING WALL WIDTH.	DESIGNED: APH/DGB
	09-10	PROVIDE A SMOOTH UNINTERRUPTED FINISH INFILL EXISTING DOOR OPENING WITH GYP BOARD ON ONE SIDE OF METAL	
		STUD FOR EACH SIDE OF THE FORMER DOOR OPENING. MATCH EXISTING WALL WIDTH. PROVIDE A SMOOTH UNINTERRUPTED FINISH	DRAWN: APH/KEC
	09-11	2" AXIOM TRIM TO SPAN THE CEILING GAP BETWEEN THE EXISTING SOLARIUM	REVIEWED: MCR/DGB
	09-12	AND THE NEW CORRIDOR ADDITION. PATCH EXISTING FINISHES WHERE STOREFRONT WAS REMOVED.	
	DIVISION	10	
	10-01 10-02	FIRE EXTINGUISHER CABINET - FULLY RECESSED SHARPS CONTAINER (OFOI)	SHEET TITLE:
	DIVISION	11	FIRST FLOOR PLAN
	11-01 11-02	REFRIGERATOR (OFOI) WALL MOUNTED MONITOR - PROVIDE BLOCKING IN WALL (OFCI)	
	11-02	SOLACE IN-FLOOR 3'-0"X3'-0" MEDICAL SCALE (OFCI) - REFER STRUCTURAL	
	11-04	FOR FOUNDATION AND ELECTRICAL FOR POWER REQUIREMENTS EXAM TABLE (OFCI)	
	11-05	MOBILE COMPUTER STAND (OFCI)	
	11-06 11-07	SHREDDER BIN (OFOI) COPIER (OFOI)	
	11-08	COMPUTER - SHOWN FOR REFERENCE (OFOI)	SHEET NUMBER:
	11-09 DIVISION	WALL MOUNTED TV (OFOI) - PROVIDE NECESSARY BLOCKING. 12	
	12-01	WAITING ROOM CHAIRS (OFOI)	
	12-02 12-03	DINING TABLE AND CHAIRS (OFOI) SYSTEMS FURNITURE - WORK DESK AND CABINETS (OFOI) - PROVIDE	A1.1
	12-04	NECESSARY BLOCKING. COORDINATE WITH OWNER FOR LOCATION VISITOR CHAIR (OFOI)	
16 NORTH	DIVISION	22	
NURTH	22-01	RE-ROUTED STORM PIPE - SEE PLUMBING       9       10	PROJECT NO.: 0200707.00





1/2021 4:13

3



# **PARTITION TYPES**

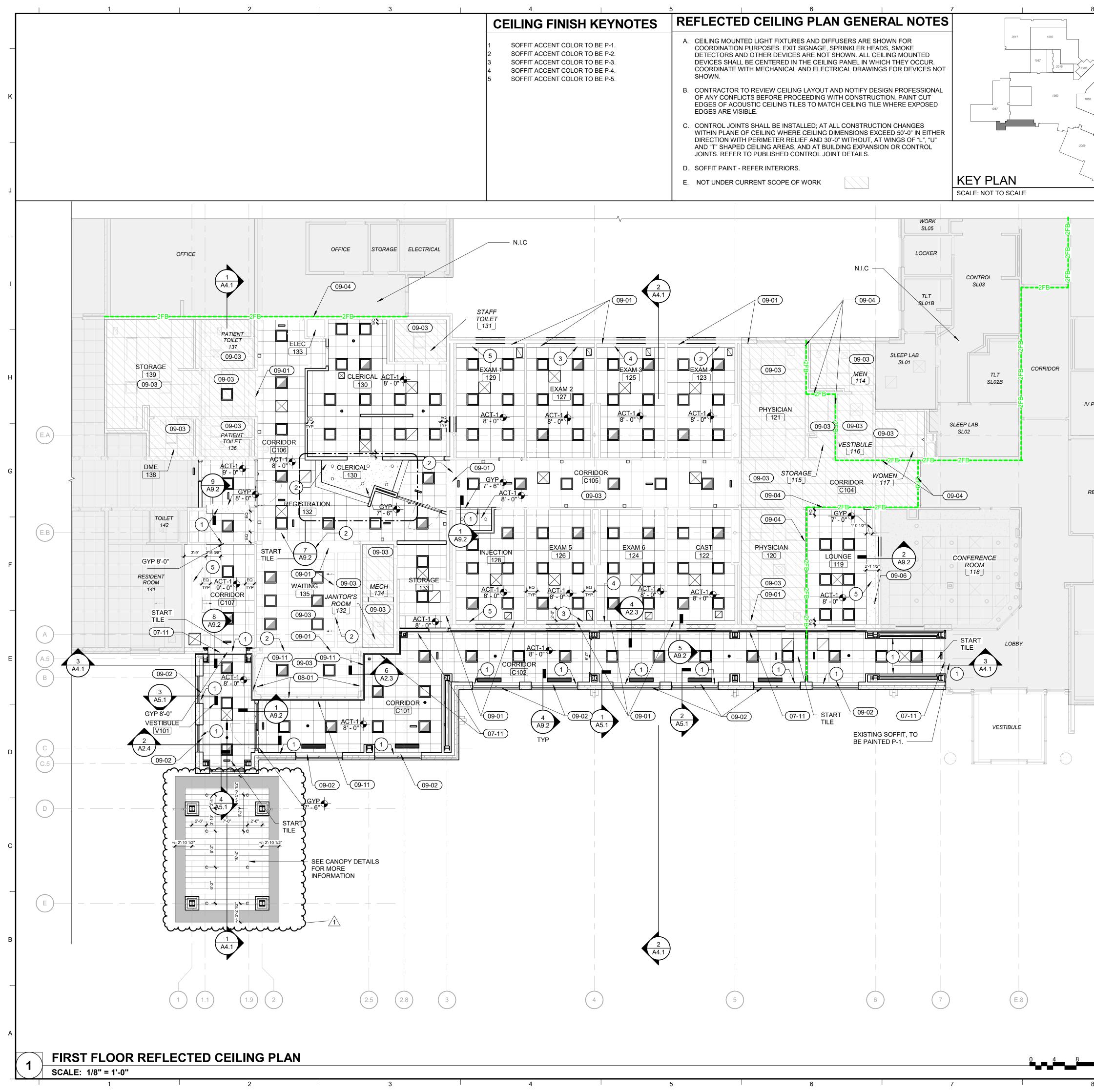
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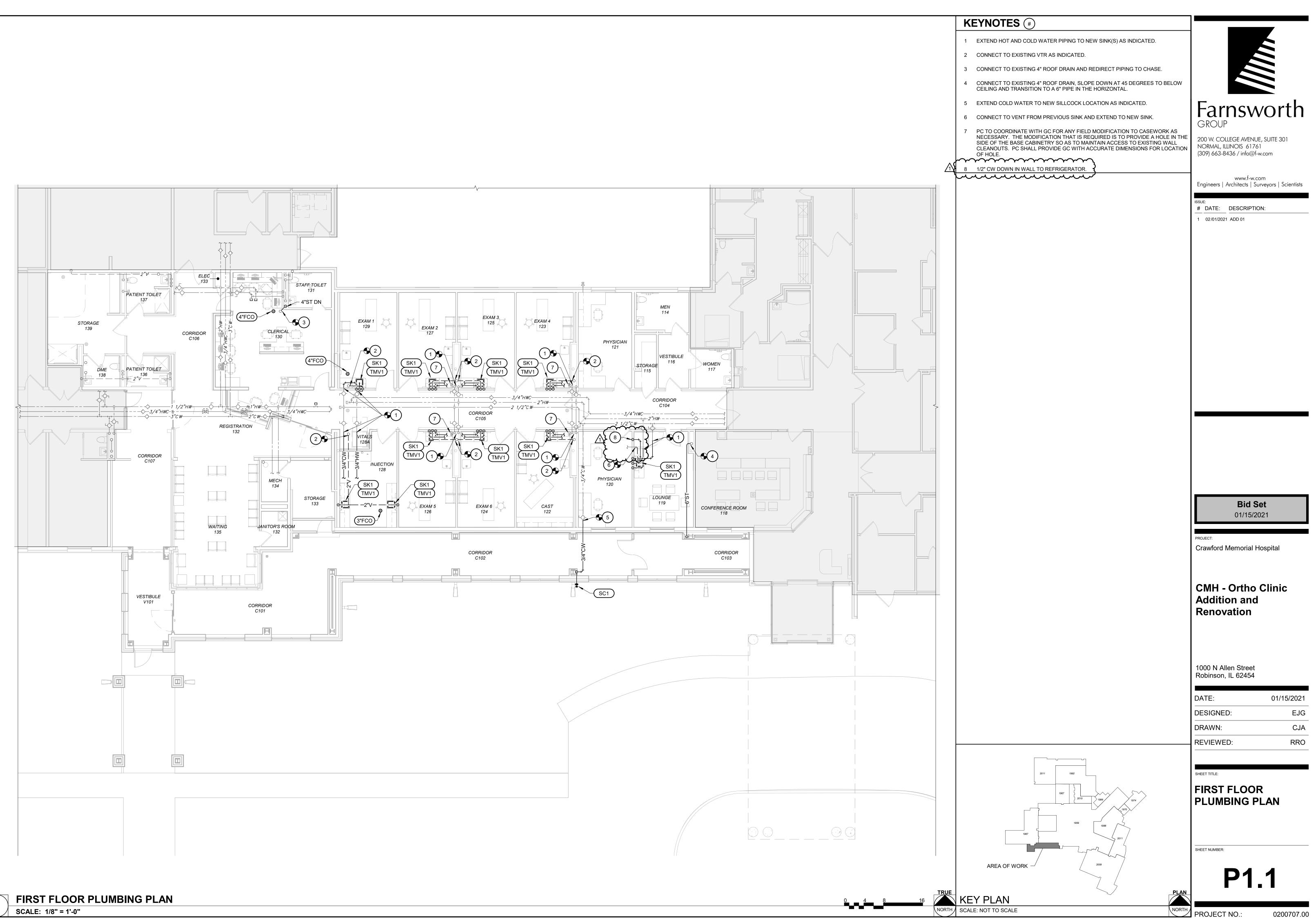
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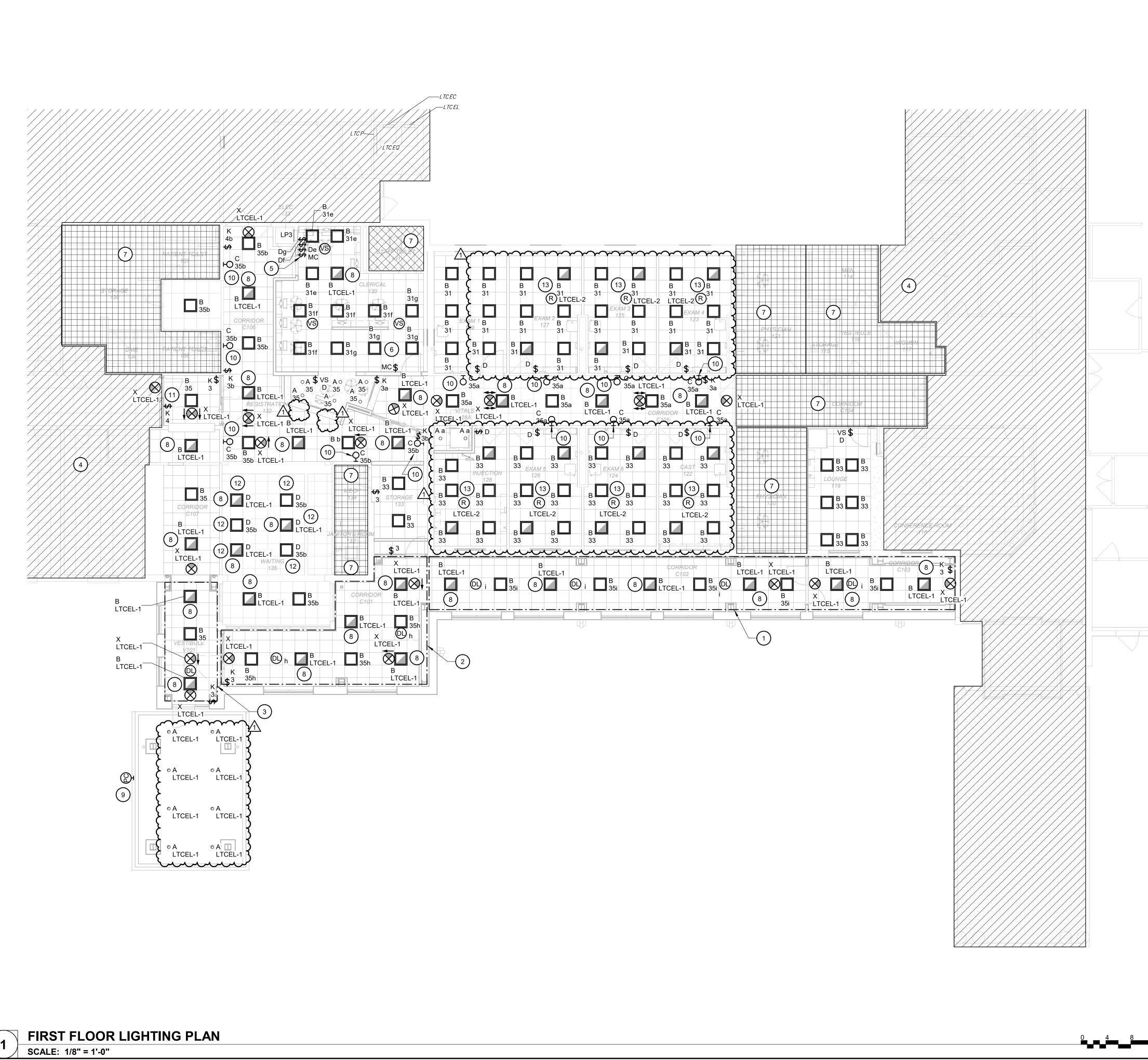
PROJECT NO .:

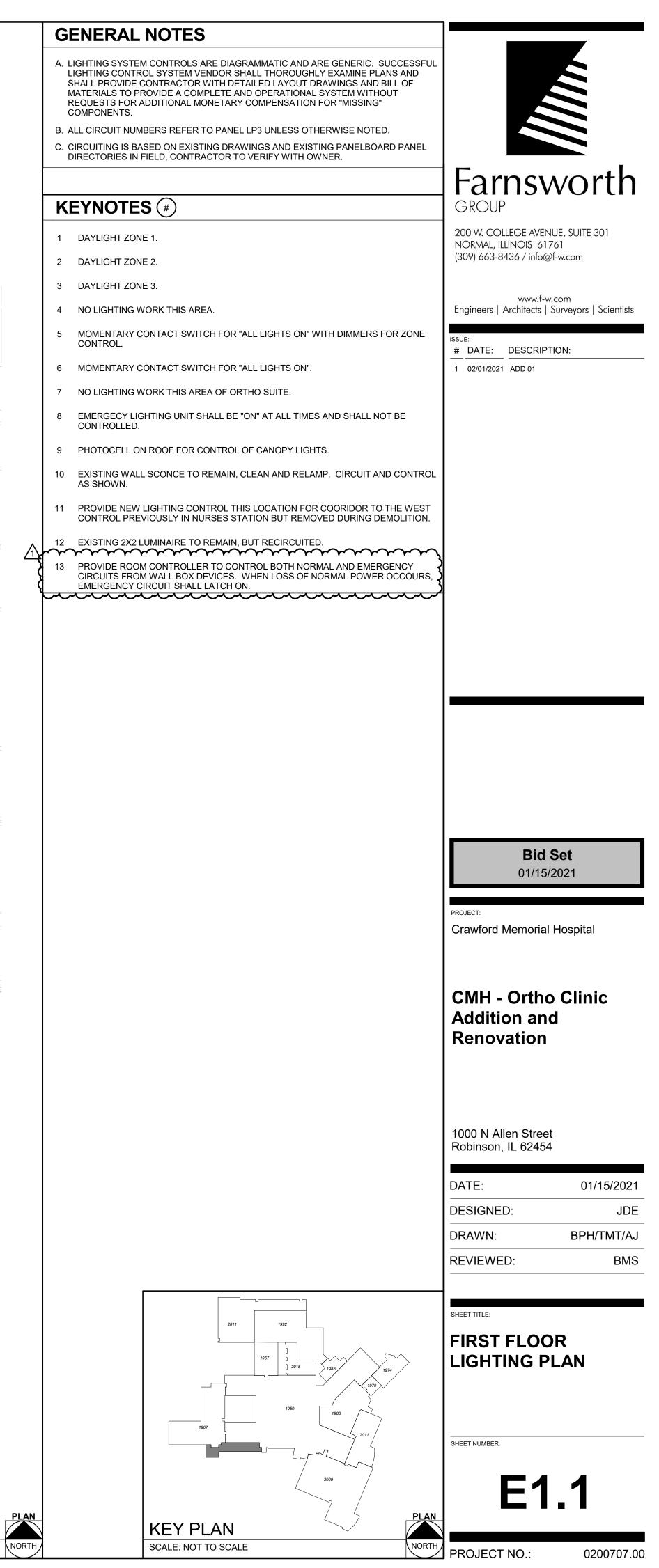
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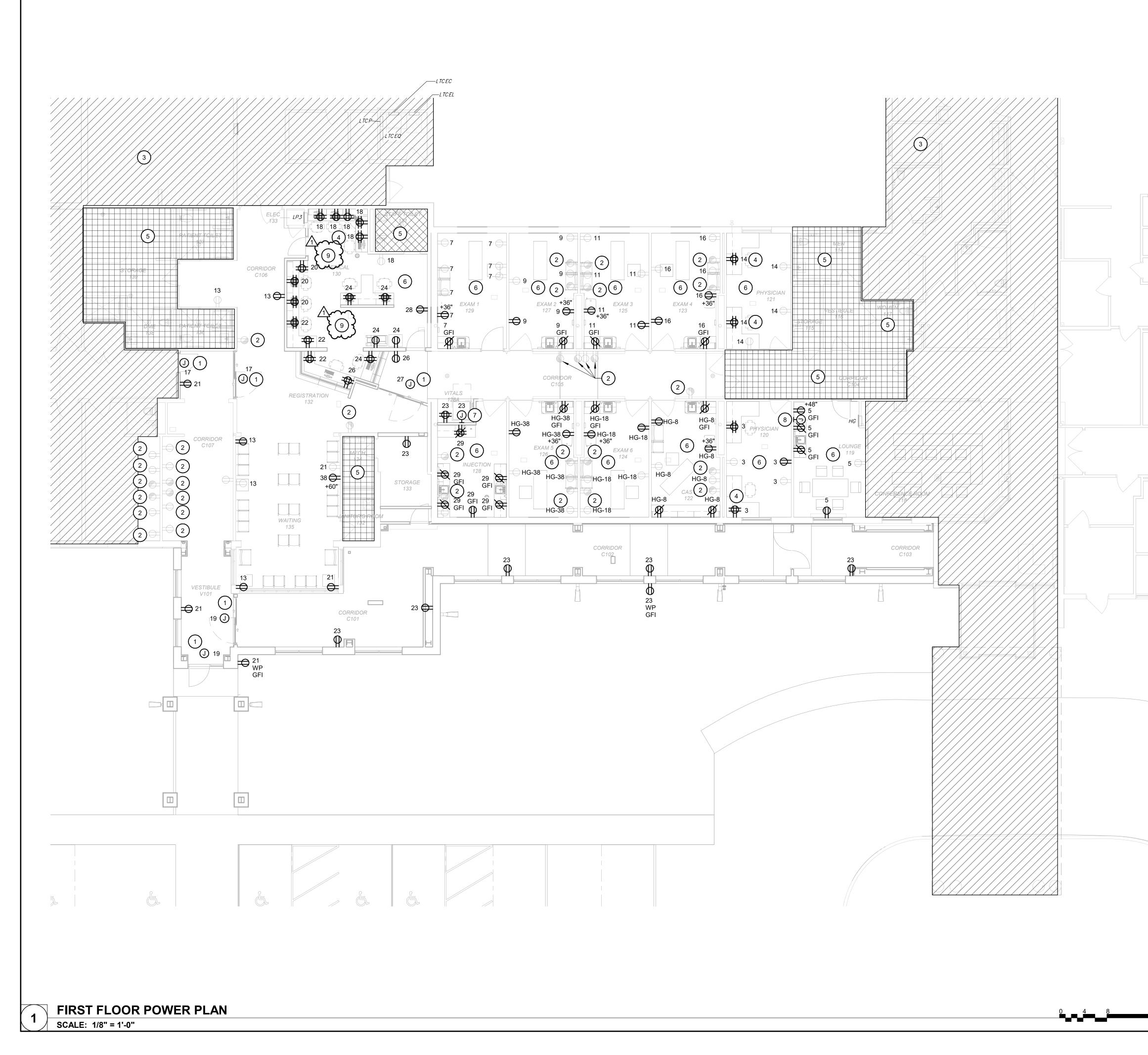
						Z
1974		GYP GYPSUM BOARD CEILING	$\bigotimes$	EXIT SIGN - SEE ELECTRICAL		
2011		ACT-1 2X2 LAY-IN ACOUSTICAL PANEL CEILING	0	LIGHT FIXTURE - SEE ELECTRICAL		
		ACT-2 2X4 LAY-IN ACOUSTICAL PANEL CEILING		SUPPLY AIR DIFFUSER - SEE MECHANICAL	Farnsw GROUP	orth
PLAN		ORTHO PROJECT - NOT UNDER CURRENT SCOPE OF WORK		RETURN AIR DIFFUSER - SEE MECHANICAL	200 W. COLLEGE AVENUE, S NORMAL, ILLINOIS 61761 (309) 663-8436 / info@f-w.c	
NORTH		CANOPY SOFFIT - METAL PANEL			www.f-w.com Engineers   Architects   Surve	
		NOT IN CONTRACT				
STORAGE	KEYNO	TES (BY DIVISIO	ON)		1 02/01/2021 ADD 01	
	DIVISION 03					
		ETE SLAB INFILL AT EXISTING WITH THE NEW RECESSED CO				
		- SEE STRUCTURAL FOR MOR ETE SLAB INFILL AT EXISTING				
	LOCATI					
WORK AREA				MATCH EXISTING WALL WIDTH,		
	PROVID	BRICK INFILL TO BE TOOTHED DE A SMOOTH UNINTERRUPTE	-			
	WINDO	WS INCLUDING SILL.				
		DE STRUCTURAL LINTEL. TOP M OF PRE CAST PLANK ROOF				
REP	INFORM	NATION				
	TO STE	DE STRUCTURAL LINTEL. FIELI EL FABRICATION AND DEMOL				
		DRE INFORMATION TURAL CROSS BRACING - SEE	E STRUCTURA	L		
	DIVISION 06 06-01 PROVID	E BLOCKING FOR GRAB BAR	S - COORDINA	TE WITH OWNER FOR		
	LOCATI	ON (CFCI) D PLAM CLOSURE PANEL (CF				
	06-03 GROMN	IET FOR EACH WORKSTATION	•			
	DIVISION 07 07-01 6" DOW	NSPOUT WITH CEMENT SPLA	SH BLOCK - D	RAIN TO GRADE		
CEIVING/STORAGE		ET SCUPPER AND CONDUCTO ADHERED MEMBRANE ROOF \$				
	INSULA	TION, SLOPED TO DRAIN 1/4":	1'-0" MIN			
	07-05 2" ROO	INSPOUT WITH CEMENT SPLA: F EXPANSION JOINT, AT ALL L	OCATIONS W			
	07-06 GUTTER	CTS TO EXISTING BUILDING. 1 R	FYPICAL			
CORRIDOR		L EXPANSION JOINT, AT ALL L CTS TO EXISTING BUILDING. 1		HERE ORTHO ADDITION		
		PERED RIGID INSULATION AN				
j	07-09 SEPAR	ATE ROOF INFILL WITH LIGHT	GAUGE STUD	JOISTS - SEE STRUCTURAL		
ELEC	07-11 2" CEIL	SCENT FIRE PROOFING AROU ING EXPANSION JOINT, AT AL	L LOCATIONS		Bid Set	
	07-12 2" FIRE	CTS TO EXISTING BUILDING. 1 RATED WALL EXPANSION JO		COVER ON EACH SIDE OF	01/15/202	1
	07-13 ROOF C	ION. CURB AT MECHANICAL PENET	RATION		PROJECT:	
		UPPORT ROOF CURBS, PATC		DOFING - MAX 8'-0" ON CENTER BRANE TO THE ADJACENT	Crawford Memorial Hos	spital
ELEC		IG COPING HEIGHT TO DRAIN				
	08-01 APPLY			DREL OF THE EXISTING		
	DIVISION 09	FRONT AS SHOWN (CFCI) - SEI	E INTERIORS		CMH - Ortho C	linic
}{r=		IG BULKHEAD TO REMAIN ON TRIM TO SPAN VERTICALL	Y BETWEEN C	EILING AND THE TOP OF	Addition and	
	GLAZIN	IG, FULL DISTANCE - SEE DET	AIL ON SHEET	A9.31	Renovation	
	CEILING	G MECHANICAL WORK. E AND REPLACE EXISTING CE		-		
	WALLS	TO 2-HOUR FIRE RATING.				
		EXISTING OPENING WITH MET. INISHES TO MATCH EXISTING				
	09-06 GYP BU	ILKHEAD TO CONCEAL ROOF			1000 N Allen Street	
	09-08 5/8" GY	P BOARD ON 7/8" FURRING CH		XAM ROOMS AND CAST ROOM. G THE LENGTH OF THE WALL.	Robinson, IL 62454	
	09-09 INFILL F			OARD ON ONE SIDE OF METAL	DATE:	01/15/2021
	STUDS	AT EACH SIDE OF EXISTING W DE A SMOOTH UNINTERRUPTE	VALL. MATCH			
		EXISTING DOOR OPENING WIT OR EACH SIDE OF THE FORM			DESIGNED:	APH/DGB
	WIDTH.	PROVIDE A SMOOTH UNINTE M TRIM TO SPAN THE CEILING	RRUPTED FIN	ISH	DRAWN:	APH/KEC
	AND TH	E NEW CORRIDOR ADDITION.			REVIEWED:	MCR/DGB
	DIVISION 10			VAS REIVIOVED.		
		(TINGUISHER CABINET - FULL) S CONTAINER (OFOI)	Y RECESSED		SHEET TITLE:	
	DIVISION 11					
	11-02 WALL N	OUNTED MONITOR - PROVIDE		, <i>i</i>	FIRST FLOOR	
	FOR FO	E IN-FLOOR 3'-0"X3'-0" MEDIC DUNDATION AND ELECTRICAL			REFLECTED C	EILING
		ABLE (OFCI) E COMPUTER STAND (OFCI)			PLAN	
		DER BIN (OFOI)				
	11-08 COMPU	TER - SHOWN FOR REFERENCE				
	11-09 WALL N DIVISION 12	IOUNTED TV (OFOI) - PROVIDE			SHEET NUMBER:	
		G ROOM CHAIRS (OFOI) TABLE AND CHAIRS (OFOI)				
	12-03 SYSTEN	MS FURNITURE - WORK DESK / SARY BLOCKING, COORDINAT			A9.	1
PLAN	12-04 VISITOR	R CHAIR (OFOI)				•
	DIVISION 22 22-01 RE-ROL	JTED STORM PIPE - SEE PLUM	IBING			
NORTH		9		10	PROJECT NO.:	0200707.00







0200707.00



1/29/2021 3:26:52 PM

## GENERAL NOTES

A. ALL CIRCUIT NUMBERS REFER TO PANEL LP3 UNLESS OTHERWISE NOTED.
B. CIRCUITING IS BASED ON EXISTING DRAWINGS AND EXISTING PANELBOARD PANEL DIRECTORIES IN FIELD, CONTRACTOR TO VERIFY WITH OWNER.

## KEYNOTES (#)

- 1 PROVIDE 120V 20A CIRCUIT FOR POWERED DOOR. REFER TO DRAWING E3.1 FOR ANY ACCESS CONTROL OR ADA PUSHBUTTON REQUIREMENTS.
- 2 EXISTING DEVICE NO WORK.
- 3 NO NEW POWER WORK THIS AREA.
- 4 INSTALL NEW QUADPLEX WIRING DEVICE IN LOCATION OF OLD WIRING DEVICE SEE ED1.1.
- 5 AREA IN ORTHO SUITE, NO POWER WORK TO BE DONE.
- 6 ROOMS TO BE RECIRCUITED.
- 7 COORDINATE LOCATION OF SCALE CONTROL PANEL WITH VENDOR.
- 8 REMOTE DEAD FACE TEST/RESET GFI DEVICE FOR REFRIDGERATOR RECEPTACLE MOUNT ABOVE COUNTER.
- 9 COORDINATE RECEPTACLE LOCATIONS IN THIS AREA WITH OWNER FURNISHED EQUIPMENT.



**Farnsworth** GROUP

200 W. COLLEGE AVENUE, SUITE 301 NORMAL, ILLINOIS 61761 (309) 663-8436 / info@f-w.com

www.f-w.com Engineers | Architects | Surveyors | Scientists

## ISSUE:

 #
 DATE:
 DESCRIPTION:

 1
 02/01/2021
 ADD 01

Bid Set 01/15/2021

#### PROJECT:

Crawford Memorial Hospital

## CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street Robinson, IL 62454

DATE:	01/15/2021
DESIGNED:	JDE
DRAWN:	BPH/TMT/AJ
REVIEWED:	BMS

### SHEET TITLE:

# FIRST FLOOR POWER

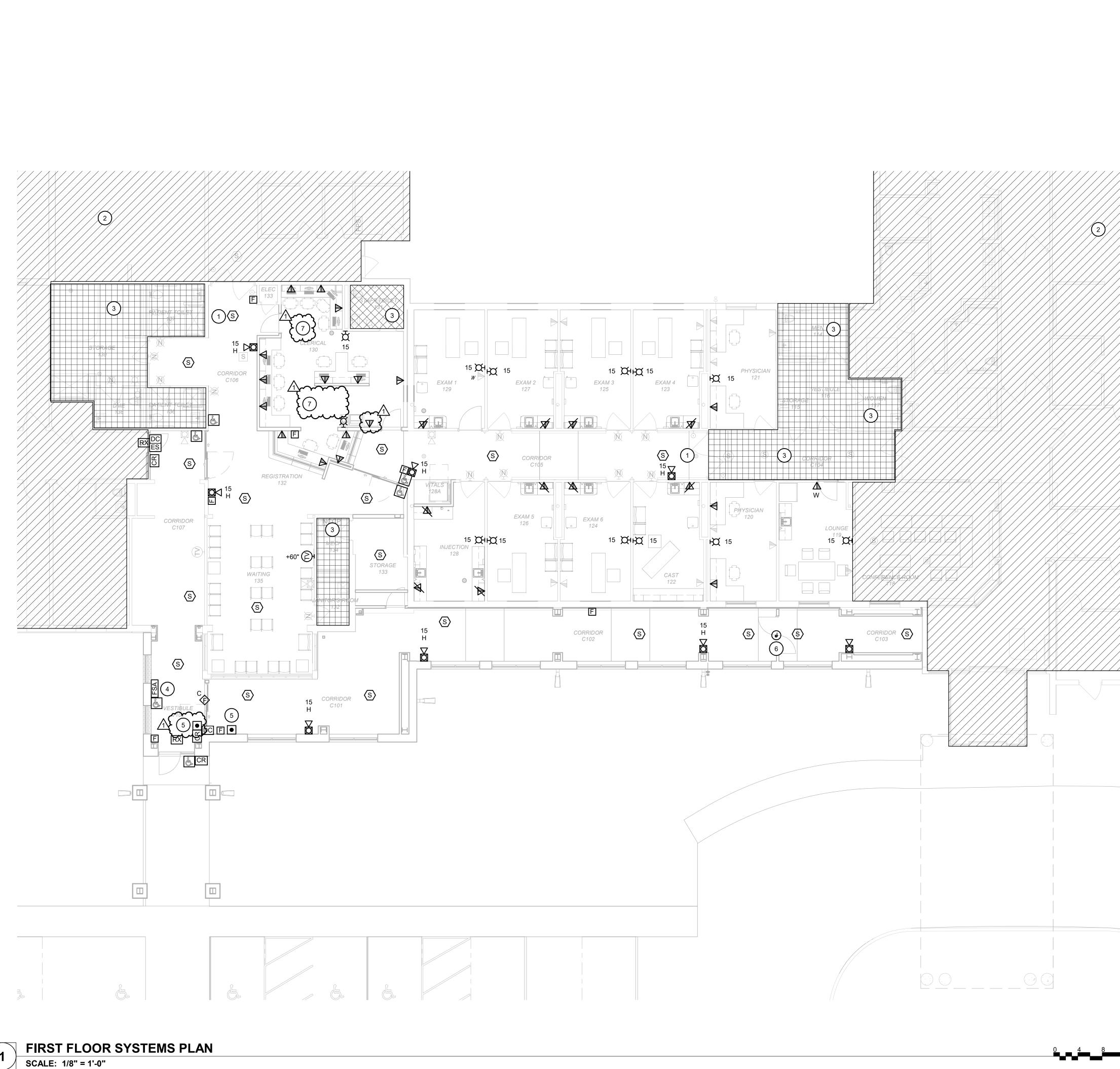
SHEET NUMBER:



KEY PLAN

SCALE: NOT TO SCALE

NORTH



NORTH

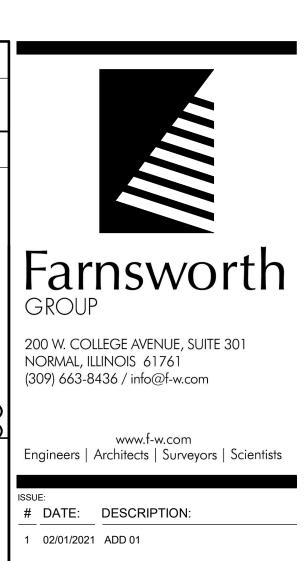
# **GENERAL NOTES**

A. ALL FIRE ALARM WORK SHALL BE 'NOTIFIER; AS PROVIDED BY F.E. MORAN.

## KEYNOTES (#)

- 1 WIRE INTO EXISTING DOOR CLOSER.
- 2 NO NEW SYSTEMS WORK THIS AREA.
- 3 AREA IN ORTHO SUITE, NO SYSTEMS WORK TO BE DONE.
- 4 RELOCATED UNIT.
- 5 PUSH BUTTON FOR DOOR RELEASE.
- 6 FIRE DOOR HOLD OPEN DEVICES BUILT INTO THE CLOSER, TIE TO FIRE ALARM

SYSTEM. ᠂ᡝ᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇᠇ 7 COORDINATE RECEPTACLE LOCATIONS IN THIS AREA WITH OWNER FURNISHED EQUIPMENT.



**Bid Set** 01/15/2021

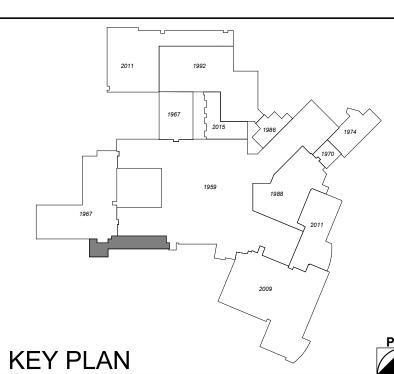
Crawford Memorial Hospital

## CMH - Ortho Clinic Addition and Renovation

1000 N Allen Street Robinson, IL 62454

DATE:	01/15/2021
DESIGNED:	JDE
DRAWN:	BPH/TMT/AJ
REVIEWED:	BMS

	SHEET TITLE:
	FIRST FLOOR SYSTEMS PLAN
	SHEET NUMBER:
AN	E3.1



SCALE: NOT TO SCALE

	LUMINAIRE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NUMBER	LAMP DESCRIPTION	VOLTAGE	LOAD (VA)	FINISH	MOUNTING	DESCRIPTION	
A		RL670-1000LDIMTRMVOLT40K90+WWH JSF 7IN 10LM 40K 90CRI MVOLT ZT WH HLG6099461EWH-68P SM7R15940UNVW	LED, 4K, 1000 LUMENS	120 V	14		SURFACE	6" JUNCTION BOX MOUNTED DOWNLIGHT	
в		CFP22-3340-HE CPX 2X2 3200LM 40K 22FR32400 EZPAN2X2-17N/D10	LED, 4K, 3500 LUMENS	120 V	26		RECESSED	2X2 RECESSED FLAT PANEL LUMINAIRE	
С	VISALIGHTING	CB-3550-1F27BABC DIMMING	CFL, 4K	120 V	27	EXISTING	WALL	EXISTING SCONCE, CLEAN AND RELAMP WITH 4K LAM	
D	EATON	22FP3240C	LED, 4K, 3100 LUMENS	120 V	30	EXISTING	RECESSED	EXISTING 2X2 FLAT PANEL TO BE REUSED.	
Х	DUALLITE LITHONIA SURE-LITE	EVEURWAI LQM S W 3 R 120/277 EL N LPX7SD	LED	120 V	-	WHITE	SURFACE	EXIT LIGHT, RED LETTERS	
NOTES:									

VOLTAGE: 208/120V PHASE / WIRE: 3Ø / 4W RATED AMPERAGE: 225 A MAIN: 225 A MLO SCC RATING (SYM): SEE ONE-LINE 216 TYPE BKR (\*) SIZE POLES IDENTIFICATION CKT 1 LOBBY 20 A 1 0 3 CONF. RM BLUG MOLD 20 A 1 5 CONF. RM BLUG MOLD 20 A 1 7 CONF. RM BLUG MOLD 20 A 1 0 9 SOUTHWEST RCPT CONF. RM. 20 A 1 11 REC. OFFICE COUNTER 20 A 1 13 COUNTER CONF. RM N. WALL 20 A 1 0 15 SL01, SL01B, SL10, SL11, SL12 20 A 1 17 SL02, SL02B, SL03 20 A 1 19 SL08, SL09 20 A 1 0 21 LTG - SL03 SL05-SL09 20 A 1 23 EXHAUST FAN SL02B 20 A 1 25 EXHAUST FAN SL02 20 A 1 0 27 SL05 20 A 1 29 SL05 20 A 1 31 SL04, SL05 20 A 1 0 33 SL06 35 SL06 20 A 1 20 A 1 20 A 1 0 37 SL03, SL06 39 BASEMBOARD HEAT 41 CONFERENCE ROOM 20 A 2 Load Classification Connected L 3240 VA Receptacle NOTES: 1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED

(\*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.

				E	XISI	INC	S PAN	IELB	OAR	DLF	3					
	VOLTAGE: 208/12	ov				(	CONNECTE	ED LOAD F	PER				SOLAT	ED GROUND BUS (Y	/N): I	V
	PHASE / WIRE: 3Ø / 4	V					PH	IASE						BUSSI	NG: SEE	SPEC
	RATED AMPERAGE: 200 A					4		В	(	C				MOUNTI	NG: RECE	SSED
	MAIN: 200 A	MLO									МС	B GROL	IND FAU	JLT PROTECTION (Y	/N): I	V
	SCC RATING (SYM): SEE C	NE-LINE			739	0 VA	630	04 VA	996	4 VA				MCB SHUNT TRIP (Y	/N): I	V
					63	3 A	5	3 A	84	4 A			/	MCB 100% RATED (Y	/N): I	٧
скт	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES		4		В		С	POLES	BKR SIZE	<b>TYPE</b> (*)	IDENTIFICA	TION	ск
1	LTG - N. STATION, LNGE,, S. TLT		20 A	1	0	0					1	20 A		LTG - RESTRMS 122	2, 124, 126, 1	28 2
3	RCPT - PHYSICIAN 120		20 A	1			1080	0			1	20 A		LTG - RM 120 & 121		4
5	RCPT - LOUNGE 119		20 A	1					900	0	1	20 A		LTG - RSTRMS 123,	125, 127	6
7	RCPT - EXAM 1 129		20 A	1	1440	0					1	20 A		LTG - RM 129, S. ST		8
9	RCPT - EXAM 2 127		20 A	1			1080	0			1	20 A		LTG - CORRIDOR 10		10
11	RCPT - EXAM 3 125		20 A	1					1080	0	1	20 A		LTG - CORRIDORS		12
13	RCPT - GENERAL PURPOSE		20 A	1	900	1260					1	20 A		RCPT - PHYSICIAN	121	14
15	RCPT - SHOWER #2 & #3		20 A	1			0	1080	400	4000	1	20 A		RCPT - EXAM 4 123	20	16
17	MOTORIZED DOOR MOTORIZED DOOR		20 A 20 A	1	400	1080			400	1980	1	20 A 20 A		RCPT - CLERICAL 1 RCPT - CLERICAL 1		18
19 21	RCPT - GENERAL PURPOSE		20 A	1	400	1000	900	1080			1	20 A		RCPT - CLERICAL 1		20
23	RCPT - GENERAL PURPOSE		20 A	1			900	1000	2000	1440	1	20 A		RCPT - CLERICAL 1		24
25	CLEAN LINEN - WEST HALL		20 A	1	0	540			2000	1440		20 A		RCPT - CLER. 130, 0		26
27	MOTORIZED DOOR		20 A	1			200	180			1	20 A		RCPT - CLERICAL 1		28
29	RCPT - INJECTION 128		20 A	1					1260	0	1	20 A		SPARE		30
31	LIGHTING		20 A	1	770	0										32
33	LIGHTING		20 A	1			704	0			3	20 A		PANEL LP-2 FEEDE	R	34
35	LIGHTING		20 A	1					904	0						36
37	7 SPARE		20 A	1	0	1000					1	20 A		TV		38
39			20 A	1			0	0			1	20 A		SPARE		40
41 SPARE 20 A 1								<u> </u>	0	0	1	20 A		SPARE		42
	Classification				nected L	oad	Demand		-	hand Loa	d			PANEL TOTALS		
<u> </u>	ng - Continuous				2378 VA		125.0			973 VA						
•					20080 VA 1200 VA		74.9			5040 VA 200 VA			UTALC	CONNECTED LOAD: TOTAL DEMAND:		
Other Non-Continuous Load					1200 VA		100.0	U 70	+ 1	200 VA		TOTA		IECTED CURRENT:		
														EMAND CURRENT:		
									+			1			55 A	

## EXISTING PANELBOARD HG

	С	CONNE	ECTE	D LOAD F	PER		ISOLATED GROUND BUS (Y/N): N						
PHASE									SEE SPEC				
A B C			С				MOUNTING:	RECESSED					
				МС	B GROU	IND FA	ULT PROTECTION (Y/N):	N					
6	0 VA		0	VA	108	0 VA				MCB SHUNT TRIP (Y/N):	N		
19	9 A		0	A	10	2 A				MCB 100% RATED (Y/N):	N		
	4		E	3	C POLES BKR TYPE IDENTIFICATION				N	СКТ			
	0						1	20 A		HALL AUTO DOORS		2	
			0	0			1	20 A		CONEDNSATE PUMP SL	.01	4	
					0	0	1	20 A		CONDENSATE PUMP SL	.02	6	
	1080						1	20 A		RCPT - CAST 122		8	
			0	0			2	20 A		RTU-1 CONFERENCE R	0014	10	
					0 0			20 A		KTU-TCONFERENCE K	001/1	12	
	0						2	2 20 A		ROOFTOP UNIT SL01, S	102	14	
			0	0			2	20 A			L02	16	
					0	1080	1	1 20 A RCPT - EXAM 6 124			18		
	0						1 20 A CORRIDOR LTG LINEN CLO		CLOSET	20			
			0	0	1 20 A EXHAUST FAN SL11		EXHAUST FAN SL11		22				
					0	0	1	20 A		ERC-06		24	
	0						1	20 A		H-1		26	
			0	0			1	20 A		H-1		28	
					0	0	1	20 A		H-1		30	
	0											32	
			0	0			3	20 A		RTU-2 SLEEP LAB		34	
					0	0						36	
	1080						1 20 A RCPT - EXAM 5 126					38	
			0	0			2	20 A		BASEBOARD HEAT OFFICE		40	
					0	0							
L	oad			actor		nand Loa	d			PANEL TOTALS			
4			100.00	)%	3	240 VA							
								Т	OTAL C	CONNECTED LOAD: 3240			
										TOTAL DEMAND: 3240	VA		
										NECTED CURRENT: 9 A			
								Т	OTAL D	EMAND CURRENT: 9 A			

(\*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.



#### 1000 N Allen Street Robinson, IL 62454

DATE:	01/15/2021
DESIGNED:	JDE
DRAWN:	BPH/TMT/AJ
REVIEWED:	BMS

SHEET TITLE:

## SCHEDULES

SHEET NUMBER:



#### SECTION 00 3100 - AVAILABLE PROJECT INFORMATION

PART 1 GENERAL

- 1.1. EXISTING CONDITIONS
  - A. Certain information relating to existing conditions and structures is available to bidders and is included for reference. In transmitting information regarding the materials and conditions expected to be encountered, the Architect does not guarantee the accuracy or completeness of the data given and assumes no responsibility for the data or its subsequent use(s). The Contractor shall draw their own conclusions from whatever information is available through the report, through the Architect, or through other means.
  - B. Site Topographic Survey:
    - 1. Prepared by: Farnsworth Group, Inc, copy utilized in the Drawings.
  - C. Geotechnical Report: Entitled Subsurface Explorations and Foundation Proposed Recommendations Crawford Memorial Hospital Additions, dated January 8, 2021.
    - 1. Prepared by: Midwest Engineering and Testing
    - 2. This report identifies properties of below-grade conditions and offers recommendations for the design of foundations, prepared primarily for the use of the Architect.
    - 3. This report, by its nature, cannot reveal all conditions that exist on the site. Should subsurface conditions be found to vary substantially from this report, changes in the design and construction of foundations will be made, with resulting credits or expenditures to the Contract Sum accruing to the Owner.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION



geotechnical - environmental - materials engineers 501 Mercury Drive Champaign, IL 61822-9649 217-359-2128 FAX 217-359-8446 www.metgeotech.com

January 8, 2021

Mr. Mark Rich Special Project Coordinator Crawford Memorial Hospital 1000 North Allen Street Robinson, IL 62454

Re: Subsurface Exploration and Foundation Recommendations Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois MET Project No. 203129

Dear Mr. Rich:

In accordance with your request, Midwest Engineering and Testing, Inc. (MET) has completed subsurface exploration and an evaluation of the foundation conditions at the above-referenced project site. Our geotechnical report in .pdf format is being submitted via e-mail. Hard copies can be provided, if so desired.

MET appreciates the opportunity to be of service during this phase of the project. If there are any questions or comments you may have regarding the content of this report, or if we may be of any further service, please contact us at your convenience.

Sincerely,

#### Midwest Engineering and Testing, Inc.

Nicholas D. Wendling, P.E. Geotechnical Department Manager

Daniel E. Tappendorf, P.E. President

#### SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS

#### Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois

**Prepared For:** 

Crawford Memorial Hospital 1000 North Allen Street Robinson, Illinois

January 8, 2021

MET File No. 203129

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PROJECT AND SITE DESCRIPTION1
GEOLOGY OF THE AREA 2 General Bedrock Geology Surface Geology Seismic Considerations
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DESCRIPTION OF SUBSURFACE CONDITIONS       5         General       Soil Conditions         Groundwater Observations       5
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GENERAL COMMENTS

#### INTRODUCTION

#### General

This report presents the results of a subsurface exploration and evaluation of the foundation conditions for the proposed additions to the Crawford Memorial Hospital in Robinson, Illinois. The purpose of this study was to determine and evaluate the subsurface conditions existing at the subject site, and to establish related parameters for use by the design engineers and architects. Included herein are the results of the subsurface exploration, field and laboratory soil test data, and recommendations regarding design and construction of the foundation and pavement systems.

#### Scope

The scope of services included a reconnaissance of the site, subsurface exploration, field and laboratory testing of the soil samples collected, and engineering analysis and evaluation of the data. In addition, geologic maps and literature relative to the general area of the site were reviewed.

#### Authorization

Authorization to perform this subsurface exploration and analysis was in the form of a fully executed proposal agreement between Crawford Memorial Hospital and Midwest Engineering and Testing, Inc. (MET). The proposal (MET Proposal No. 20227, dated December 3, 2020) outlined the scope of services and conditions for performance of the work, and was signed by Mr. Mark Rich, Special Projects Coordinator, on December 14, 2020.

#### PROJECT AND SITE DESCRIPTION

The proposed project involves construction of an addition to the existing Rural Health Clinic located to the northeast of the Main Hospital and an addition to the Ortho Clinic located on the southern edge of the southwest wing of the Main Hospital Building as shown on the Vicinity Map, Figure 1, in the Appendix.

The proposed Rural Health Clinic (RHC) addition will be constructed to the north and a portion of the east sides of the existing structure. At the time the borings were performed, the majority of the project site was covered with asphalt paved parking and drive areas, with some grassy and landscaped areas along the edge of the existing structure. Site drainage is directed to an existing catch basin in the parking lot, and to a concrete flow channel to the east of the RHC building. We anticipate the proposed addition will consist of a single-story of wood or steel framing with masonry veneer and a concrete slab-on-grade.

The proposed Ortho Clinic addition will be located on the south side of the existing Ortho Clinic. At the time the borings were performed, the site was covered with grassy vegetation and landscaping, as well as a concrete sidewalk used to access the clinic. Site drainage at the Ortho site is generally directed to the south, away from the building, to a catch basin in the south adjacent parking lot. The proposed addition is to consist of construction of a new corridor and entryway, which we anticipate will be a single-story of wood or steel framing with masonry veneer and a concrete slab-on-grade

#### GEOLOGY OF THE AREA

#### General

The geology of the Robinson, Illinois area has been greatly influenced by several major landforming factors. Bedrock and tectonic movements prior to the Pleistocene Period, continental glaciation during the Pleistocene Period, wind action, alluvial deposition and man have all contributed to the geologic history of the area.

Bedrock in the project area is generally found at a depth of 25 to 50 feet below the ground surface and consists of Pennsylvanian Age deposits associated with the Mattoon Formation. Shale, coal, sandstone and limestone are the predominant rock types comprising the formation in this area.

The surficial geology in the surrounding area generally consists of 5 to 10 feet of wind deposited and water worked loessial material overlying shallow deposits of glacial drift. The drift is comprised primarily of glacial till, a heterogeneous mixture of sand and pebbles bound in a compact matrix of clay or silt, but can also contain inclusions of granular outwash material.

#### Seismic Considerations

Considering the relatively shallow mapped depth to bedrock, the soil strength information obtained through the boring depths, and our past experience in the project area, it is our opinion that seismic **Site Class C**, as defined in Table 1613.5.2 of the International Building Code (IBC) – 2015, can be utilized for design. The project site in Robinson, Illinois is located at approximate latitude  $39.0145^{\circ}N$  and longitude  $87.7501^{\circ}W$ . The 0.2 second period (Ss) and 1.0 second period (S1) spectral acceleration values for the aforementioned coordinates, as determined from the USGS U.S. Seismic Design Maps Web Application, are 0.395 g and 0.147 g, respectively.

#### FIELD EXPLORATION

#### Scope

In order to evaluate the significant engineering characteristics of the foundation soils, a field exploratory program was undertaken. A total of six (6) soil borings were advanced for the project through depths of about 21.5 feet below surface grade. Four (4) of the borings were advanced for the proposed RHC addition, while the remaining two (2) borings were advanced for the Ortho Clinic addition. The boring locations were determined in the field by MET personnel as shown on the Boring Location Diagrams, Figures 2a and 2b, included in the Appendix. The following sections provide a description of field drilling and testing procedures utilized.

#### **Drilling and Sampling Procedures**

The soil borings were performed with a truck-mounted drilling rig equipped with a rotary head. Conventional, continuous-flight, hollow-stem augers were used to advance the holes with representative samples obtained employing split-barrel sampling techniques in general accordance with ASTM Procedure D-1586.

#### **Field Tests and Measurements**

**Standard Penetration Tests:** During the sampling procedure, Standard Penetration Tests (SPTs) were performed at regular intervals through the depth of the borings. The SPT value ("N", or blow counts) is defined as the number of blows required to advance a 2-inch O.D., split-barrel sampler a distance of one foot by a 140-pound hammer falling 30-inches. These values provide a useful preliminary indication of the consistency or relative density of most soil deposits and are included on the Soil Boring Logs.

**Water Level Measurements:** Groundwater level observations were made during and upon completion of the drilling process. Water level information is noted on the Soil Boring Logs in the Remarks column.

**Ground Surface Elevations:** Ground surface elevations at the boring locations were interpolated from site topographic data provided by Farnsworth Group, and are included on the individual soil borings logs.

#### LABORATORY TESTING

#### General

Additional significant characteristics of the foundation materials were determined in the laboratory to provide data on which to classify and quantitatively assess the engineering properties of the soil samples obtained. The types of soils encountered were identified and logged on the Soil Boring Logs in the Appendix. The results of the field and laboratory tests are also presented in the Appendix. Representative samples of the soils encountered in the field were placed in clean, glass sample jars and are now stored in the laboratory for further analysis, if desired.

#### Laboratory Tests and Measurements

**Visual Classification:** A soils engineer visually classified all samples in accordance with the Unified Soil Classification System (ASTM D-2488) terminology. An explanation of the symbols used in this system is included in the Appendix.

**Moisture Content Tests:** The natural moisture content of all samples was determined by ASTM method D-2216 and is recorded on the Soil Boring Logs as a percentage of the dry weight of the soil.

**Hand Penetrometer Tests:** Cohesive specimens extracted from the split-barrel sampler were tested in the laboratory with a calibrated soil penetrometer. This device provides an approximation of the unconfined compressive strength of the soils, and is useful, along with other soil parameters, in evaluating the soil strength characteristics. The results are listed on the Soil Boring Logs beneath the column labeled " $Q_P$ ".

**Unconfined Compression Tests:** The undrained shear strength of the cohesive soils was determined from unconfined compression tests performed on specimens obtained from the split-barrel samplers. The strength values of soil samples obtained by the SPT method must also be considered, recognizing that this sampling technique provides a representative, but somewhat disturbed sample. The results are listed on the Soil Boring Logs beneath the column labeled " $Q_U$ ".

**Dry Density Determination:** The dry density was determined on the cohesive soils where intact samples were available. The results are listed on the Soil Boring Logs beneath the column labeled "Dd".

#### DESCRIPTION OF SUBSURFACE CONDITIONS

#### General

The types of foundation materials encountered at the test boring locations are described on the Soil Boring Logs. The lines delineating the changes in strata on the logs represent an approximate boundary between the various soil classifications. These soil descriptions and delineations are representative for the specific test hole location. Variations in the soil profile and the engineering properties of the soil deposits may occur between boring locations. A summary of the major soil profile components is described in the following paragraphs. A more detailed description and supporting data for each boring location can be found on the individual Soil Boring Logs.

#### Soil Conditions

Borings B-1 through B-4 were advanced for the proposed RHC addition, and all encountered 4 inches of asphalt at surface, which was underlain by about 8 inches of crushed stone, placed on geotextile fabric. Borings B-5 and B-6 were advanced for the proposed Ortho Clinic addition and each encountered a thin layer of vegetation and topsoil.

Below the surficial materials, each of the borings encountered brown and gray mottled silty clay with some sand, of loessial origin. The loess typically extended through depths of about 10 to 12 feet below grade and possessed stiff to very stiff consistency.

The loess was underlain by glacial drift deposits which extended through the boring termination depths. The drift was primarily comprised of hard silty clay glacial till, however, deposits of silty and sandy outwash were encountered near the termination depth of the Ortho Clinic borings.

#### **Groundwater Observations**

Groundwater was encountered within saturated deposits of glacial outwash at depths of about 20 feet below surface grade in the Ortho Clinic boring locations (B-5 and B-6), while all other borings remained dry during and upon completion of the drilling activities. It must be recognized that groundwater levels fluctuate with time due to variations in seasonal precipitation, lateral drainage conditions, and soil permeability characteristics. Monitoring standpipes should be installed and periodically checked where it is necessary to more accurately assess prevailing water levels preceding or during construction.

#### FOUNDATION DISCUSSION AND RECOMMENDATIONS

#### General

On the basis of the available soil boring information, it is our opinion that a shallow foundation system could be utilized for support of the proposed building additions. A discussion of the foundation design parameters, as well as site preparation and construction considerations, is included in the following sections.

#### Shallow Foundation Systems

#### Rural Health Clinic Foundations

The proposed RHC addition may be supported on conventional shallow foundations founded on suitable natural soils or engineered structural fill. The native brown and gray silty clays encountered below the existing surficial pavement and crushed stone are considered suitable for direct foundation support or as subgrade on which to construct new engineered fill.

Midwest Engineering Services, a predecessor company to MET, performed a subsurface exploration and geotechnical evaluation for the existing RHC building in 2003 (MES Project No. 1-33011), and provided allowable bearing capacities of 3,000 PSF and 2,400 PSF for spread and continuous footings respectively. Based upon the soil boring data recently obtained, and the previous report, it is recommended that spread and continuous wall footings founded on the natural loessial soils be designed using similar allowable bearing capacities of 3000 PSF and 2500 PSF, respectively. Such allowable capacities are subject to the minimum dimensions discussed in the General Shallow Foundation Recommendations section of this report.

#### Ortho Clinic Foundations

The proposed Ortho Clinic addition may be supported on conventional shallow foundations founded on suitable natural soils or engineered structural fill. The native brown and gray silty clays encountered below the existing surficial vegetation and topsoil are considered suitable for direct foundation support or as subgrade on which to construct new engineered fill.

Midwest Engineering Services also performed a subsurface exploration and geotechnical evaluation for an addition immediately to the east of the proposed addition in 2009 (MES Project No. 1-93019), and provided allowable bearing capacities of 3,000 PSF and 2,500 PSF for spread and continuous footings respectively. Based upon the soil boring data recently obtained, and the previous report, it is recommended that spread and continuous wall footings founded on the natural loessial soils also be

designed using similar allowable bearing capacities of 3000 PSF and 2500 PSF, respectively. Such allowable capacities are subject to the minimum dimensions discussed in the General Shallow Foundation Recommendations section of this report.

It should be noted that a deposit of medium stiff sandy clay was encountered at a depth of about 5 feet below surface grade in boring B-6, which if encountered in footing excavations, may require remediation. However based upon the anticipated building finished floor and existing grades, we do not anticipate that foundations will extend below depths of about 3 feet below existing grade.

#### General Shallow Foundation Recommendations

Due to typical variations in natural soils, marginal bearing strengths could be encountered during excavation for footings. Such conditions should be evaluated by the soils engineer to determine the appropriate remedial options, which could include resizing of footings or undercutting and replacement of the suspect material with granular backfill or lean concrete.

Excavations to remove unsuitable bearing materials below footings should be widened at least 1 foot in all directions from the edges of the footing for each foot of excavation depth below the design footing base elevation. The replacement backfill should be a well-graded granular material placed in lifts of eight (8) inches or less in loose thickness and compacted to a minimum of 95 percent of the material's maximum Standard Proctor dry density (ASTM D-698). Lean concrete backfill is essentially an extension of the footing and bank formed excavations do not need to be widened. For formed footings, the foundation excavation should be widened at least 6 inches from the footing edges to allow centering of the foundation on the lean concrete base and reduce the potential for eccentric loading.

All exterior footings must be placed at a depth of at least 3.0 feet below finished grade for frost protection. Interior footings not subject to frost action may be founded immediately below the floor slab, if so desired, provided they are supported on suitable natural soils or engineered structural fill. All footings must be protected from the effects of frost if construction is carried out during winter months.

It is recommended that the footings supporting individual columns have a minimum dimension of 30 inches, and continuous footings have a minimum width of 18 inches. In order to minimize the effects of any slight differential movement that may occur due to variations in the character of the supporting soils and variations in seasonal moisture contents, it is recommended that all footings be suitably reinforced.

The above outlined bearing pressures were evaluated using a factor-of-safety of 3 against bearing capacity failure. Using such a safety factor theoretically results in contact pressures of sufficiently low magnitude to keep load-induced deformations

within the elastic range of the bearing soils. Potentially, total load responsive elastic settlements should be one (1) inch or less provided the suggested design and construction criteria are followed. It is recommended that the preparation and installation of the foundations be monitored and tested by a representative of the soils engineer.

#### Slabs-on-grade

Prior to the placement of slabs-on-grade, or before any slab-supporting fill is placed, it is recommended that all vegetation, organic topsoil and existing pavement materials be removed. The resulting subgrade should then be thoroughly inspected and proof-rolled to detect areas of unstable, yielding soils that may need to be further undercut.

It is recommended that slabs-on-grade be placed on a base layer of well-graded granular material, such as IDOT CA-6, at least 6-inches in thickness. Proper subgrade preparation and adherence to the recommendations regarding fill materials and compaction will allow the use of a subgrade modulus of 125 psi/in.

The use of a plastic vapor barrier is left to the discretion of the architect. When a vapor barrier is used, proper curing conditions must be maintained to reduce the potential for edge curling.

Floor slabs-on-grade should be suitably reinforced and proper joints should be provided at the junctions of the slab and foundation system so that a small amount of independent movement can occur without causing damage. Large floor areas should be provided with joints at frequent intervals to compensate for concrete volume changes. It is recommended that ACI guidelines regarding joint construction and spacing be used.

#### CONSTRUCTION CONSIDERATIONS

#### Site Preparation

The presence of unsuitable materials in the subgrade can adversely affect the serviceability of various structural elements placed upon it. To reduce the potential for detrimental movements, the site surface preparation in the building and pavement areas should include the removal of all vegetation, organic topsoil and existing pavement materials.

After the initial site stripping operations have been completed, the resulting subgrade should be carefully proof-rolled and evaluated for areas of instability that may require remediation. Depending upon the weather conditions and extent of any unstable areas discovered, remedial measures for unstable subgrades could include removal and replacement for smaller areas; scarification, drying, and recompaction of wet soils

should weather conditions allow; or modification of the subgrade utilizing lime, flyash or cement. If chemical modification of the subgrade is considered, we recommend that the proposed stabilization techniques and materials be reviewed by the geotechnical engineer prior to implementation. After a stable subgrade has been achieved, low areas may then be raised to the planned grades with suitable, properly compacted fill.

It is recommended that fill or backfill materials used for structural support consist of granular or low plasticity cohesive soils, which can be categorized as GW, GP, SW, SP, CL or ML under the Unified Classification System. Structural fill should be placed in layers of not more than 8-inches in loose thickness, at moisture contents at or slightly above optimum, and compacted to at least 95 percent of the maximum dry density as determined by ASTM D-698 (Standard Proctor) method of test.

Proper moisture control is essential to reduce the amount of compactive effort necessary to achieve the desired densities. This is especially true of cohesive soils, where scarification and aeration may be required to achieve near-optimum moisture levels prior to compaction. A sheepsfoot roller is generally required for compaction of clayey soils, whereas, a vibratory smooth drum roller is preferred for granular and silty material. Granular backfill compacted with small hand-operated equipment should be used in confined areas.

The evaluation of the subgrade and selection of fill materials for various applications should be done in consultation with the soils engineer. Similarly, the placement and compaction of fill for structural applications should be monitored and tested by a qualified representative of the soils engineer.

#### Groundwater Control

Based on the boring information, it is not anticipated that significant groundwater seepage will be encountered in shallow excavations for the foundations or utilities. Should any seepage be experienced, filtered sump pumps or other dewatering devices should be made available to control the water and maintain reasonably dry conditions.

Because the foundation materials are subject to deterioration when exposed to free moisture, every effort should be made to keep the soils dry, during and after construction. Site runoff and discharge water from roof drains should be diverted away from the foundation and directed towards on-site retention areas, natural drainage ways or municipal sewer systems. Such measures reduce the potential for the softening and possible erosion of the foundation subgrade soils.

#### Excavations

All excavations should be performed in accordance with the requirements detailed in the OSHA Excavation Regulations and Procedures, Section 1926 Subpart P. Based upon the soil boring data, Type A, Type B and Type C soils were all encountered through the depths explored. The maximum allowable slopes for these soils types are shown in the following table.

Soil Type	Maximum Allowable Slopes for Excavations Less than 20 ft. deep Horizontal : Vertical (H:V)
A	<sup>3</sup> / <sub>4</sub> : 1
В	1: 1
С	1 ½ : 1

All excavations should be monitored by a Competent Person, as defined by the OSHA standard, and appropriate shoring or sloping techniques used to prevent cave-ins.

#### **GENERAL COMMENTS**

This geotechnical exploration and foundation analysis has been conducted to aid in the evaluation of the foundation conditions for the proposed RHC and Ortho Clinic Additions at the Crawford Memorial hospital Campus in Robinson, Illinois. The recommendations presented herein are based on the available soil information obtained and the design information provided. Any changes in the soil conditions encountered during construction, or in the design or location of the buildings, should be brought to the attention of the soils engineer to determine if modifications in the recommendations are required.

The final design plans and specifications should also be reviewed by the soils engineer to determine that the recommendations presented herein have been interpreted and implemented as intended. It is recommended that the earthwork and foundation operations be monitored by the soils engineer in order that he/she may test and evaluate the bearing capacities and the selection, placement, and compaction of controlled fills. This geotechnical study has been conducted in a manner consistent with that level of care ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings, recommendations, and opinions contained herein have been promulgated in accordance with generally accepted practice in the fields of foundation engineering, soils mechanics, and engineering geology.

# APPENDIX





geotechnical\*environmental\*materials engineers

Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois

Figure 1 - Vicinity Map

SCALE: Shown Above

PROJECT NO.: 203129

DATE: January 7, 2021

DRAWN BY: NDW





geotechnical\*environmental\*materials engineers

Proposed Crawford Memorial Hospital Additions Rural Health Clinic 1000 North Allen Street Robinson, Illinois

Figure 2a - Boring Location Diagram

SCALE: Shown Above

PROJECT NO.: 203129

DATE: January 7, 2021

DRAWN BY: NDW





geotechnical\*environmental\*materials engineers

Proposed Crawford Memorial Hospital Additions **Ortho Clinic** 1000 North Allen Street Robinson, Illinois

SCALE: Shown Above

PROJECT NO.: 203129

DATE: January 7, 2021

DRAWN BY: NDW

#### **MET** Midwest Engineering and Testing, Inc.

Project Name: Location:

Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois Boring: Project No. : Date of Boring: Field Representative: B-1 203129 December 22, 2020 Nick Wendling

VISUAL SOIL CLASSIFICATION		SAMPLE		Q <sub>p</sub>	Qu	MC	Dd	
Ground Surface Elevation: ± 551.5 ft.	FT.	NO.	N	(tsf)	(tsf)	(%)	(pcf)	REMARKS
4" Asphalt over 8" Crushed Stone and Fabric	_	1-SS				22		_
		1-55	-	-	-	22	-	—
<b>-</b>								_
	-		-					-
Brown and gray silty CLAY (CL)		2-SS	6	2.5	1.2	19	100	—
				_		_		
	5							Dry during and _
—	5 <u> </u>		-					upon completion of drilling
		3-SS	6	2.8	1.6	19	99	
-	_		-					_
Brown and gray silty CLAY (CL) with sand								—
- 	_							
_	_	4-SS	5	2.0	1.0	22	97	-
—								—
	10							
Brown and gray sandy CLAY (CL)	-	5-SS	7	1.0	0.4	20	122	-
		0-00	, '	1.0	0.4	20	122	
-	-		-					-
-		6-SS	28	4.5+	5.5	10	117	
_								_
-	15_							-
_			1					
		7-SS	91	4.3	-	7	-	
Brown silty CLAY (CL) with sand and small gravel - Till	-		-					-
<b>—</b>								_
-	_							-
-								
<b>—</b>	20							_
-	_	8-SS	50/5.5"	4.5+	-	6	-	-
END OF BORING AT 21.5 FEET								_
_								

#### **MET** Midwest Engineering and Testing, Inc.

Project Name: Location:

Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois Boring: Project No. : Date of Boring: Field Representative: B-2 203129 December 22, 2020 Nick Wendling

VISUAL SOIL CLASSIFICATION		SAMPLE		Q <sub>p</sub>	Qu	MC	Dd	DEMARKO
Ground Surface Elevation: ± 552 ft. 4" Asphalt over	FT.	NO.	N	(tsf)	(tsf)	(%)	(pcf)	REMARKS
8" Crushed Stone and Fabric	_	1-SS	-	2.0	-	25	-	-
	_							
—								_
<ul> <li>Brown and gray silty CLAY (CL)</li> </ul>	-							-
		2-SS	6	2.3	1.4	22	93	
	5							Dry during and _ upon completion
	_							of drilling
		3-SS	5	2.0	1.0	19	105	
<ul> <li>Brown and gray silty CLAY (CL) with sand</li> </ul>	_							-
_		4.00	_					
-	_	4-SS	7	3.8	2.3	24	99	-
	10							
Brown and gray sandy CLAY (CL)	_	5-SS	5	1.8	1.0	18	114	_
		0-00		1.0	1.0		114	
-	-							_
—		6-SS	17	3.0	-	18	-	—
	45 -							-
Brown silty CLAY (CL) with sand and small gravel - Till	15							—
		7-SS	86	4.5+	-	7	-	_
_	_							_
—								—
-	_							
-	_							-
Gray silty CLAY (CL) with								_
sand and small gravel - Till	20							-
	_							
—		8-SS	81	4.5+	-	8	-	—
END OF BORING AT 21.5 FEET								

#### **MET** Midwest Engineering and Testing, Inc.

Project Name: Location:

Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois Boring: Project No. : Date of Boring: Field Representative: B-3 203129 December 22, 2020 Nick Wendling

VISUAL SOIL CLASSIFICATION Ground Surface Elevation: ± 552 ft.	FT.	SAMPLE NO.	N	Q <sub>p</sub>	Q <sub>u</sub>	MC	Dd	REMARKS
4" Asphalt over 8" Crushed Stone and Fabric		1-SS	-	(tsf) 3.3	(tsf) -	(%) 25	(pcf) -	- -
— Brown and gray silty CLAY (CL) —	 	2-SS	6	3.5	1.8	24	93	
	5  	3-SS	5	2.0	1.3	19	104	Dry during and _ upon completion of drilling _ 
— — — Brown and gray silty CLAY (CL) with sand — –		4-SS	5	3.3	1.8	23	98	-
 	10 	5-SS	8	4.5+	3.0	18	106	
- 	-  	6-SS	29	4.5+	-	8	-	
  Brown silty CLAY (CL) with sand and small gravel - Till	15  	7-SS	50 / 1"	4.5+	-	6	-	
- - - -								
-  	20 	8-SS	50 / 3"	4.5+	-	6	-	
END OF BORING AT 21.5 FEET								

#### **MET** Midwest Engineering and Testing, Inc.

Project Name: Location: Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois

Boring: Project No. : Date of Boring: Field Representative: B-4 203129 December 22, 2020 Nick Wendling

VISUAL SOIL CLASSIFICATION Ground Surface Elevation: ± 551 ft.	FT.	SAMPLE NO.	N	Q <sub>p</sub> (tsf)	Q <sub>u</sub> (tsf)	MC (%)	Dd (pcf)	REMARKS
4" Asphalt over 8" Crushed Stone and Fabric		1-SS	-	-	-	23	- -	- - -
Brown and gray silty CLAY (CL)	  	2-SS	6	3.3	2.0	23	90	
   Brown and gray silty CLAY (CL) with sand	5 	3-SS	6	2.8	1.8	17	96	Dry during and _ upon completion of drilling _ 
		4-SS	5	2.5	2.0	19	99	   
 Brown and gray sandy CLAY (CL) 	10 	5-SS	4	1.0	0.6	26	96	-   -
		6-SS	19	4.5+	-	10	-	 - - -
– – – Brown silty CLAY (CL) with sand and small gravel - Till	15 _ 	7-SS	79	4.5+	-	5	-	-  
-  -	20 	8-SS	50/5.5"	4.5+	-	5	-	- - - -
END OF BORING AT 21.5 FEET								

#### **MET** Midwest Engineering and Testing, Inc.

Project Name: Location: Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois

Boring: Project No. : Date of Boring: Field Representative: B-5 203129 December 22, 2020 Nick Wendling

VISUAL SOIL CLASSIFICATION		SAMPLE		Q <sub>p</sub>	Qu	MC	Dd	
Ground Surface Elevation: ± 549 ft.	FT.	NO.	Ν	(tsf)	(tsf)	(%)	(pcf)	REMARKS
_ 7" Dark brown silty CLAY (OH) Topsoil	_							_
 		1-SS	5	2.5	-	25	-	-
<ul> <li>–</li> <li>–</li> <li> Brown and gray silty CLAY (CL)</li> </ul>		2-SS	7	3.3	1.8	21	91	
- 	5 _	2.66		2.0	4.0	10	07	
		3-SS	5	3.0	1.2	19	97	-
-  -		4-SS	6	4.0	2.0	16	102	- - -
_ Brown and gray silty CLAY (CL) with sand 	10		-					
		5-SS	10	3.8	1.8	16	108	
-  -	-  	6-SS	20	4.5+	4.2	8	122	
-  -	15 _	7-SS	50 / 1"	4.5+	_	8		
Brown silty CLAY (CL) with sand and small gravel - Till				ч. <b>о</b> .		Ū		-
-  -								-  -
	 20							
		8-SS	40	1.3	-	11	-	Drilling: 21 ft Completion: 20 ft.
END OF BORING AT 21.5 FEET								

#### **MET** Midwest Engineering and Testing, Inc.

Project Name: Location: Proposed Crawford Memorial Hospital Additions 1000 North Allen Street Robinson, Illinois

Boring: Project No. : Date of Boring: Field Representative: B-6 203129 December 22, 2020 Nick Wendling

VISUAL SOIL CLASSIFICATION		SAMPLE		Q <sub>p</sub>	Qu	MC	Dd	
Ground Surface Elevation: ± 549 ft.	FT.	NO.	N	(tsf)	(tsf)	(%)	(pcf)	REMARKS
4" Topsoil 		1-SS	4	2.5	-	24	-	
_ Brown and gray silty CLAY (CL) 	-  -	2-SS	6	2.5	1.4	25	86	
 Brown and gray sandy CLAY (CL)	5	3-SS	4	0.8	0.6	19	109	-  -
– – – – Brown and gray silty CLAY (CL) with sand		4-SS	7	3.5	2.1	24	96	- - -
	  10	4-55		5.5	2.1	24	90	-  -
<ul> <li>Brown and gray sandy CLAY (CL)</li> </ul>		5-SS	7	1.3	0.4	21	112	-
- 		6-SS	21	4.5+	5.4	12	120	-  
  Brown silty CLAY (CL) with	15  	7-SS	81	4.5+	-	10	-	
sand and small gravel - Till 	-							-
-  -	 20							
		8-SS	50/5.5"	2.8	0.8	12	112	

#### **GENERAL NOTES**

#### SAMPLE IDENTIFICATION

Visual soil classifications are made in general accordance with the Unified Soil Classification System on the basis of textural and particle size categorization, and various soil behavior characteristics. Visual classifications should be substantiated by appropriate laboratory testing when a more exact soil identification is required to satisfy specific project applications criteria.

#### PARTICLE SIZE ±

Boulders: 8 inches Cobbles: 3 to 8 inches Gravel: 5 mm to 3 inches	Coarse Sand:2 mm to 4 mmMedium Sand:0.42 mm to 2 mmFine Sand:0.074 to 0.42 mm	Silt: 0.005 mm to 0.074 mm Clay: - 0.005 mm
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#### **DRILLING & SAMPLING SYMBOLS**

- SS: Split-spoon, 2" O.D. by 1 3/8" I.D.
- ST: Shelby Tube, 2" O.D. or 3" O.D., as noted in test
- AU: Auger Sample
- DB: Diamond Bit
- CB: Carbide Bit

#### SOIL PROPERTY SYMBOLS

- N: Standard penetration count, indicating number of blows of a 140 lb. Hammer with a 30-inch drop, required to advance a split-spoon sampler one (1) foot.
- Unconfined compressive strength, tons per square foot (tsf), Qu:
- Calibrated hand penetrometer resistance, tsf. Qp:
- MC: Moisture Content. %
- LL: Liquid Limit PL: Plastic Limit PI: Plasticity Index
- Dd: Dry density, pounds per cubic foot (pcf).
- PID Photoionization Detector (Hnu meter) volatile vapor level, ppm

#### SOIL RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

NON-COF	<b>IESIVE SOILS</b>		COHESIVE SOILS					
Classifier	N-Value Range	Classifier	Qu Range (tsf)	N-Value Range				
very loose	0 - 3	very soft	0 - 0.25	0 - 2				
loose	3 – 7	soft	0.25 – 0.5	2 – 5				
medium dense	7 – 15	medium stiff	0.5 – 1.0	5 – 10				
dense	15 – 38	stiff	1.0 - 2.0	10 – 14				
very dense	38 +	very stiff	2.0 - 4.0	14 – 32				
-		hard	4.0 +	32 +				

#### GROUNDWATER



Approximate Groundwater level at time noted on soil boring log, measured in open bore hole unless otherwise noted. Groundwater levels often vary with time, and are affected by soil permeability characteristics, weather conditions, and lateral drainage conditions.

- RB: Roller Bit WS: Wash Sample
- BS: Bag Sample HA: Hand Auger

MAJ	MAJOR DIVISIONS			TYPICAL DESCRIPTION
		Clean	GW	Well-graded gravels and gravel-sand mixtures
	Gravel and	Gravels	GP	Poorly-graded gravels and gravel-sand mixtures
	Gravel and Gravelly Soils	Gravels	GM	Silty gravels and gravel-sand- silt mixtures
COARSE		with Fines	GC	Clayey gravels and gravel-sand- clay mixtures
GRAINED SOILS		Clean	SW	Well-graded sands and gravelly sands
	Sand and	Sands	SP	Poorly-graded sands and gravelly sands
	Sandy Soils	Sands with Fines	SM	Silty sands and sand-silt mixtures
			SC	Clayey sands and sand-clay mixtures
		I	ML	Inorganic silts or clayey silts of slight plasticity
	Silts and Low Pla	•	CL	Inorganic clays of low to medium plasticity
FINE		asticity	OL	Organic silts and organic silty clays of low plasticity
GRAINED SOILS			MH	Inorganic silts of high plasticity
	Silts and High Pl	~	СН	Inorganic clays of medium to high plasticity
	Ingn Fl	asticity	ОН	Organic clays of medium to high plasticity
High	ly Organic Soils		РТ	Peat, humus and swamp soils with high organic contents