LIMITATION OF WARRANTY OF ARCHITECT/ENGINEER WORK PRODUCT

CONDITIONS ARCHITECT SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE SHALL ABSOLVE THE ARCHITECT FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITH OUT THE THE ARCHITECT AND HIS CONSULTANTS DO NOT WARRANTY OR GUARANTEE (DRAWINGS, ENGINEERING, SPECIFICATIONS AND REVIEW OF SHOP THE ACCURACY AND COMPLETENESS OF THE WORK PRODUCT HEREIN KNOWLEDGE AND/OR CONSENT OF THE ARCHITECT OR IN CONTRADICTION TO THE ARCHITECT'S WORK PRODUCT OR RECOMMENDATIONS SHALL NOT BE THE RESPONSIBILITY OF THE ARCHITECT.

SCOPE DOCUMENT
THESE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS, AND THE TYPE OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS. AS SCOPE DOCUMENTS, AND THE TYPE OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS. AS SCOPE DOCUMENTS, THESE DRAWINGS AND SPECIFICATIONS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL THE WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE CONTRACT DOCUMENTS ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED. THE CONTRACTORS SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. DECISIONS OF THE ARCHITECT AS TO THE ITEMS OF WORK INCLUDED WITHIN THE SCOPE OF THIS DOCUMENT SHALL BE FINAL.

A.D.A. COMPLIANCE STATEMENT

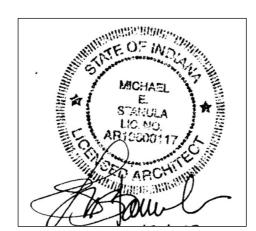
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT & INDIANA ACCESSIBILITY CODE

LICENSED ARCHITECTS CERTIFICATION

PLANS AND SPECIFICATIONS FOR NEW CONSTRUCTION

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS, DATED MAY 21, 2025, FOR CONSTRUCTION OF A NEW 1 STORY VB TENANT BUILDING LOCATED AT 9450 CALUMET AVE, MUNSTER, INDIANA WERE PREPARED UNDER MY SUPERVISION.

ARCHITECTS NAME: MICHAEL E. STANULA LICENSE NUMBER: AR-19600117 **LICENSE EXPIRES: 12-31-25** SIGNATURE: DATE:



NEW 1 STORY VB TENANT BUILDING

MAPLE LEAF DEVELOPMENT 9450 CALUMET AVE MUNSTER, IN 46321

OWNER / DEVELOPER

1ST METROPOLITAN DEVELOPMENT CORP. 400 FISHER ST. - SUITE J MUNSTER, IN 46321 (ph) (219)836-8282

ARCHITECT

MICHAEL E. STANULA, ARCHITECT 31800 STATE LINE RD. BEECHER, IL 60401 (ph) (708) 567-3362

ARCHITECT CONSULTANT

BORDERLINE DESIGN, LLC 150 DEANNA DRIVE - SUITE 121 LOWELL, IN 46356 (ph) (815)277-7173

INDEX OF DRAWINGS:

T-1: COVER SHEET

T-2: GENERAL NOTES T-3: NOTES AND SPECIFICATIONS

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ARCHITECTURAL:

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A-0.2: ACCESSIBILITY PLANS

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A-2: FIRST FLOOR PLAN

A-3: ROOF PLAN A-4: ELEVATIONS

A-5: BUILDING SECTIONS

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STRUCTURAL:

S-1: FOUNDATION PLAN S-2: 1ST FLOOR PLAN

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MECHANICAL:

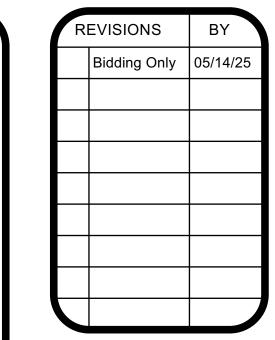
M-1: MECHANCIAL PLAN AND NOTES

ELECTRICAL:

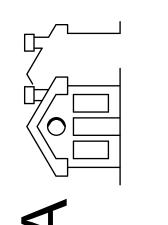
E-1: POWER AND ELECTRICAL PLANS E-2: ELECTRICAL NOTES

PLUMBING:

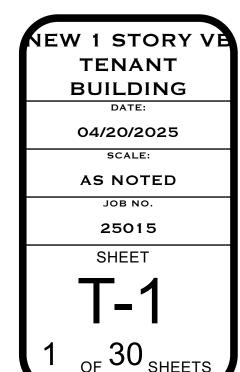
P-1: PLUMBING PLAN AND DIAGRAMS







TENANT BUILDING 04/20/2025 **AS NOTED** 25015



BUILDING CODES

2012 INTERNATIONAL BUILDING CODE W/ 2014 INDIANA AMENDMENTS

2012 INTERNATIONAL MECHANICAL CODE W/ 2014 AMENDMENTS

2012 INTERNATIONAL FUEL GAS CODE W/ 2014 AMENDMENTS 2012 INTERNATIONAL FIRE CODE W/ 2014 AMENDMENTS

2012 INTERNATIONAL FIRE CODE W/ 2014 AMENDMENTS 2006 INDIANA PLUMBING CODE W/ 2012 AMENDMENTS 2008 NATIONAL ELECTRIC CODE W/ 2009 AMENDMENTS

2007 ANSI/ASHRAE 90.1

2010 ADA ACCESSIBILITY GUIDELINES W/ 2009 ANSI A117.1

BUILDING:

CONSTRUCTION CLASSIFICATION (TABLE 503): VB			
AREA:	9,000 SF	PROPOSED: 6,495 SF	
SPRINKLER SYSTEM:	N.R.	N/A	
HEIGHT:	2 STORIES (40')	1 STORIES (20'-4")	
TABLE 601: FIRE RESISTANCE RATINGS:	REQUIRED:	PROVIDED:	
PRIMARY STRUCTURE: BEARING WALLS:	0 HR	0 HR	
INTERIOR:	0 HR	0 HR	
EXTERIOR:	0 HR	0 HR	
EXTERIOR NON-BEARING WALLS:	0 HR	0 HR	
		0 HR	
		0 HRS	
KOOF CONSTRUCTION:	UNK	0 HR	
	AREA: SPRINKLER SYSTEM: HEIGHT: TABLE 601: FIRE RESISTANCE RATINGS: PRIMARY STRUCTURE: BEARING WALLS: INTERIOR: EXTERIOR:	AREA: ALLOWED: 9,000 SF SPRINKLER SYSTEM: N.R. HEIGHT: 2 STORIES (40') TABLE 601: FIRE RESISTANCE RATINGS: REQUIRED: PRIMARY STRUCTURE: INTERIOR: INTERIOR: EXTERIOR: EXTERIOR NON-BEARING WALLS: INTERIOR NON-BEARING WALLS: O HR INTERIOR NON-BEARING WALLS: O HR INTERIOR NON-BEARING WALLS: O HR FLOOR CONSTRUCTION: O HRS	

ROOF CONSTRUCTION:	0 HR	0 HR
EGRESS: (IBC 1005.	<u>3)</u>	
OTHERS: .2" PER OCCUPANT		
TENANT #1	REQUIRED:	PROPOSED:
(15 OCCUPANTS)*(.2) =	3" TOTAL	(2) 36" DOORS
TENANT #2 (24 OCCUPANTS)*(.2) =	4.6" TOTAL	(2) 36" DOORS
TENANT #3 (14 OCCUPANTS)*(.2) =	4.6" TOTAL	(2) 36" DOORS
TENANT #4 (14 OCCUPANTS)*(.2) =	4.6" TOTAL	(2) 36" DOORS
TENANT #5 (15 OCCUPANTS)*(.2) =	3" TOTAL	(2) 36" DOORS
EXITS: (IBC TABLE 1019.1)		
TENANT #1:	2	4
TENANT #2:	2	2
TENANT #3:	2	2
TENANT #4: TENANT #5:	2 2	2 2
	(IBC 1015) EXIT DOORS SHALL NOT BE L AL DIMENSION OF AREA SERV	
	AL DIMENSION: 1/2 DIST	
TENANT #1: 47'-11 3/		
TENANT #2: 65'-11 1/		4" 62'-0"
TENANT #3: 65'-11 1/	¥" 32'-11 3/ ₄	
TENANT #4: 65'-11 1/		
TENANT #5: 47'-11 1/	2" 23'-11 3/4	4" 43'-7 1/2"
MAXIMUM FXIT TRAVEL DISTANCE	E: (IBC 1016.2) W/ SPRINKLER ED: PROVIDED:	
	ED. PROVIDED.	
	41'-8"	
FLOOR: REQUIR	_	
FLOOR: REQUIR TENANT #1: 200'	41'-8"	
FLOOR: REQUIR TENANT #1: 200' TENANT #2: 200'	41'-8" 46'-11"	

OCCUPANCY (IBC 303.3): MERCANTILE						
FLOOR	ROOM NUMBER	ROOM NAME	AREA (SF)	OCCUPANCY	PERSONS / SF	TOTAL PERSONS
IT	100	TENANT #1	846	В	60	15
VAN #1	101	TOILET ROOM	42	-	-	0
TENANT #1						
—				TO	TAL OCCUPANTS:	15
<u> </u>	102	TENANT #2	1,355	В	60	23
TENANT #2	103	TOILET ROOM	42	-	-	0
Z # W						
F				TO	TAL OCCUPANTS:	23
ΙΤ	104	TENANT #3	1,370	В	60	23
TENANT #3	105	TOILET ROOM	42	-	-	0
Z # W						
F				TO	TAL OCCUPANTS:	23
Т	106	TENANT #4	1,363	В	60	23
TENANT #4	107	TOILET ROOM	42	-	-	0
Z #						
ΤI				TO	TAL OCCUPANTS:	23
Т	108	TENANT #5	841	В	60	15
TENANT #5	109	TOILET ROOM	42	-	-	0
Z #						
⊢				TO	TAL OCCUPANTS:	15

GENERAL REQUIREMENTS

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION.
- 2. ALL PARTITION DIMENSIONS ON PLAN SHEETS ARE FACE TO FACE OF FINISHED WALLS AND INTERIOR FINISHED FACE TO FACE OF EXTERIOR SHEATHING. NON-BEARING PARTITIONS ARE TO BE LAID OUT SO THAT STOCK COMPONENTS WILL FIT EXACTLY WITHIN INDICATED DIMENSIONS. FINISHED DIMENSIONS AT CRITICAL AREAS SUCH AS KITCHENS, CLOSETS, ADA CLEARANCES, ETC. MUST BE HELD.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (DO NOT SCALE DRAWINGS, FIGURED DIMENSIONS SHALL TAKE PRECEDENCE) AND CONDITIONS BEFORE PROCEEDING WITH THE WORK AND NOTIFY SUPERINTENDANT AT ONCE OF AN DISCREPANCEIS PRIOR TO COMMENCING WORK.
- 4. PLUMBING SCHEMATIC DRAWINGS, HVAC DRAWINGS, SEWER MAINS, ELECTRICAL OUTLETS, SWITCHES, LIGHT LOCATIONS, ROUTING ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS TO BE COORDINATED BETWEEN THE TRADES AFFECTED BY THE WORK AS PART OF THEIR INSTALLATION LAYOUT. NO PLUMBING, MECHANICAL, OR ELECTRICAL INFORMATION IS TO BE SCALED FROM THE DRAWINGS.
- 5. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE SOLE RESPOND VERIFICATION OF EACH SUBCONTRACTOR.
- 6. SPOT SURVEY MUST BE SUBMITTED TO TOWN FOR REVIEW AND APPROVAL PRIOR TO FRAMING WALLS.
- 7. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE
- SAFETY PRECAUTIONS AND PROGRAM IN CONNECTION WITH THIS WORK.

 8. CONTRACTOR SHALL PAY FOR ALL PERMITS AND FEES RELATED TO THEIR WORK.
- 9. GENERAL CONTRACTOR SHALL PRESENT THE OWNER WITH AN "AS-BUILT" DRAWING INDICATING LOCATIONS OF ALL UNDERGROUND UTILITIES ON
- SITE (ELECTRIC, GAS, WATER, SEWER, TELEPHONE, ETC.)

 10. PROVIDE "KNOX BOX" IN AN APPROVE LOCATION PER THE LOCAL FIRE MARSHALL.
- 11. PROVIDE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AND LOCATED AS DIRECTED BY THE LOCAL FIRE DEPARTMENT.
- 12. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER PER INDUSTRY HIGH QUALITY STANDARDS AND THE SPECIFICATIONS CONTAINED WITHIN THE BID DOCUMENTS.
- 14. EACH CONTRACTOR SHALL INCLUDE LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC., FOR THE COMPLETE CONSTRUCTION OF WORK INDICATED AND SPECIFIED BY THE DRAWINGS AND SPECIFICATIONS.
- 15. MATERIALS AS SPECIFIED ON THE DRAWINGS SHALL BE USED.
 SUBSTITUTIONS OF THE MATERIALS WILL NOT BE ALLOWED WITHOUT THE
 WRITTEN CONSENT OF THE OWNER.
- 16. EACH SUBCONTRACTOR SHALL AMEND AND MAKE GOOD, AT HIS OWN COST, ANY DEFECTS OR OTHER DEFECTS IN HIS WORKMANSHIP AND/OR MATERIAL, OR DAMAGE HE MAY CAUSE TO ANOTHER'S WORK.
- 17. EACH CONTRACTOR IS TO CLEAN UP DEBRIS INSIDE AND OUTSIDE THE BUILDING WHICH IS CAUSED BY HIS WORK.
- 18. THE COTNRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A LIST OF MATERIALS, FIXTURES, AND EQUIPMENT, INCLUDING TYPE AND QUALITY
- 19. ANY DETAILS NOT SPECIFICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL NOT BE EXECUTIED
- WITHOUT THE OWNERS APPROVAL.

 20. ALL WORK MUST MEET THE OWNERS APPROVAL BEFORE FINAL PAYMENT
- IS MADE.
 21. ALL WORK SHALL BE GUARANTEED FOR NOT LESS THAN ONE YEAR.
- 21. ALL WORK SHALL BE GUARANTEED FOR NOT LESS THAN ONE YEAR.

 22. ALL MATERIAL TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.

 THESE RECOMMENDATIONS SHALL TAKE PRECEDENCE OVER CONFLICTING DETAILS FOUND HERIN.
- 23. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUAL CLEAN-UP OF SITE AT THE TIME OF MOVE IN. A FINAL CLEAN-UP WILL BE GIVEN TO PREMESIS INCLUDING, BUT NOT LIMITED TO: FLOORS, WALLS, WINDOWS, CABINETS, ETC.
- 24. ALL EXTERIOR STEEL SHALL BE PRIMED AND PAINTED.
- 25. ALL FIRESTOPPING AS PER STATE AND LOCAL CODES.
- 26. ALL WINDOWS, DOORS, AND TRIM SHALL BE AS VERIFIED BY OWNER.
 27. THERMAL AND SOUND INSULATING MATERIALS IN EXPOSED OR
 CONCEALED INSTALLATIONS SHALL HAVE A FLAME SPREAD RATING OF
 25 OR LESS AND A SMOKE DEVELOPED RATING OF 450 OR LESS WHEN
- TESTED IN ACCORDANCE WITH ASTM-384
 28. THERMAL EAVE BAFFLES BY INSULATION CONTRACTOR.
- 28. THERMAL EAVE BAFFLES BY INSULATION CONTRACTOR.
 29. ATTIC SPACES SHALL BE VENTILATED WITH A MINIMUM NET OPENING OF
 1/300 OF THE AREA OF THE SPACE TO BE VENTILATED WITH AT LEAST 50%
 OF THE REQUIRED VENTILATING AREA PROVIDED BY RIDGE VENTS.
- 30. CONTRACTOR TO PROVIDE MANUFACTURER'S INSTALLATION GUIDE AND CUT-SHEETS FOR ALL APPLIANCES, ELECTRICAL HARDWARE & DEVICES, PLUMBING MATERIALS, AND THE EQUIPMENT FOR HEATING, COOLING, AND VENTILATION.
- 31. ALL FOAM PLASTIC CORES OF MANUFACTURED ASSEMBLIES HAVE A FLAME SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE DEVELOPED RATING OF NOT MORE THAN 450 WHEN TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE WITH ASTM E-83.
- 32. ALL CONTRACTORS TO BE REGISTERED, LICENSED, INSURED, AND BONDED.

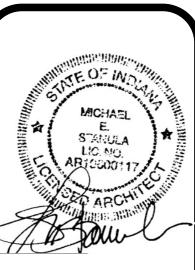
ACCESSIBILITY NOTES:

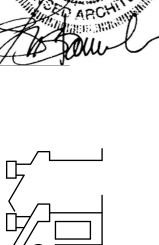
- 1. THIS PROJECT SHALL COMPLY WITH ALL FEDERAL AND LOCAL ACCESSIBILTIY REQUIREMENTS.
- 2. THRESHOLDS SHALL BE NO HIGHER THAN 1/2" ABOVE THE FLOOR. EDGE TO BE BEVELED WITH A SLOPE NO GREATER THAN 1:2
- 3. DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED 30" TO 44" ABOVE THE FLOOR AND BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS. FOR INTERIOR DOORS 8 1/2 POUNDS MAXIMUM PRESSURE, FIRE DOORS 15 LBS MAXIMUM PRESSURE.
- ACCESSIBLE DOORS MUST BE A MIN OF 3'-0" W X 6'-8" H. MODIFY IF REQUIRED.
 PROVIDE 18" CLEAR SPACE AT STRIKE/PULL SIDE ON INTERIOR DOORS, AND 12" CLEAR AT STRIKE/PUSH SIDE OF DOORS WITH CLOSERS AND 24" CLEAR AT STRIKE/PULL SIDE ON EXTERIOR DOORS. ALL CLEAR WIDTHS SHALL BE A
- MIN OF 60" DEPTH.

 5. FLOOR SHALL BE LEVEL THROUGHOUT
- . HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED.
- SIGNAGE SHALL BE PROVIDED PER LOCAL ACCESSIBILITY REQUIREMENTS.
 CONTRACTOR SHALL MAINTAIN A COPY OF ICC/ANSI A117.1., CURRENT EDITION, ON SITE AT ALL TIMES TO VERIFY REQUIREMENTS ARE MET.

REVISIONS BY

Bidding Only 05/14/25





STANDLLA
31800 STATELINE RD.
BEECHER, IL 60401
stanula.arch@gmail.com

NEW 1 STORY VERTENANT
BUILDING

DATE:
04/20/2025

SCALE:
AS NOTED

JOB NO.
25015

T-2

01000 GENERAL

1. ALL WORK FOR THIS PROJECT SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE AND THE MOST CURRENT EDITIONS OF ALL APPLICABLE DESIGN CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS & COMMENTARY FOR CONCRETE STRUCTURES" ACI 318 CONCRETE REINFORCING STEEL INSTITUTE (CRSI), "DESIGN HANDBOOK" THE MASONRY SOCIETY, "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES" TMS 402/602-16 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC-ASD, 9TH ED.

STEEL DECK INSTITUTE (SDI), "MANUAL OF CONSTRUCTION WITH STEEL DECK" AND "DIAPHRAGM DESIGN MANUAL" AMERICAN WELDING SOCIETY (AWS), D1.1, D1.3 & D1.4

STEEL STRUCTURES PAINTING COUNCIL (SSPC), "STEEL STRUCTURES PAINTING MANUAL" AISI "SPECIFICATION FOR THE DESIGN OF COLD—FORMED STEEL STRUCTURAL MEMBERS" ASTM C754 "STANDARD SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS"

DESIGN LOADS & DEFLECTIONS: THE STRUCTURE AND ALL COMPONENTS SHALL BE DESIGNED FOR THE FOLLOWING

•	DESIGN LOADS & DELECTIONS: THE STRUCTURE AND ALL COMPONENTS	SHALL BE DESIGNED FOR THE FOLLS	MYING.
	ROOF LOADS: DEAD	DEFLECTION LIMITS — L/240 OR	FOR TOTAL
	WIND CRITERIA: OCCUPANCY CATEGORY II	L/600 < 0.3" FOR MEMBERS SUPPORTING MASONRY	LOAD
	BASIC WIND SPEED, V = 90 mph EXP. C = 1.0	L/360 FOR LIVE/SNOW LOAD	
	WIND LOADS:	SWAY/LATERAL LIMITS: H/500	
	MAIN LATERAL FORCE RESISTING SYSTEM (LFRS): - AT CORNERS	SEISMIC CRITERIA FOR LFRS: SEISMIC USE GROUP I SITE CLASS: D	I = 1.0
	COMPONENTS & CLADDING: - AWAY FROM CORNERS±25 PSF - AT CORNERS±30 PSF	Ss = 0.12	S1 = 0.067 Sd1 = 0.107
	PARAPETS±40 PSF UPLIFT AT MAIN ROOF15 PSF	R = 3.5 (INTERMEDIATE REINF $Cs = 0.037$	
	NET UPLIFT (FOR JOIST DESIGN)10 PSF UPLIFT AT CANOPIES & OVERHANGS40 PSF	Wx = Wy = 2307 kips (INCL	
	WIND BASE SHEAR, Vbase = $0.5xHxWw$ Vx = 87.2 kips $Vy = 287.4 kips$	SEISMIC BASE SHEAR, Vbase = Wx Vx = 170 kips Vy =	Cs 170 kips

3. HANDRAILS SHALL BE DESIGNED TO RESIST THE MORE SEVERE EFFECTS OF A SINGLE CONCENTRATED LOAD OF 200-LB AT ANY LOCATION AND IN ANY DIRECTION OR A SIMULTANEOUS VERTICAL AND HORIZONTAL LOAD OF 50 PLF APPLIED ALONG THE TOP RAIL.

4. WINDOWS AND WINDOW SYSTEMS SHALL BE DESIGNED BY THE MFR. TO DISTRIBUTE WIND LOADS UNIFORMLY AROUND THE PERIMETER

5. SECTIONS, DETAILS AND NOTES ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES.

6. WHERE WORK APPEARS TO BE VAGUE OR IN CONFLICT THE CONTRACTOR IS TO REQUEST CLARIFICATION AND OBTAIN WRITTEN EXPLANATION OR INTERPRETATION FROM THE ARCHITECT OR ENGINEER PRIOR TO THE START OF THE WORK.

DESIGN AND MAINTENANCE OF ALL TEMPORARY CONSTRUCTION SUPPORTS, MEANS AND METHODS UNTIL THE STRUCTURE IS FINISHED. 8, SITE VISITS BY THE EOR ARE FOR GENERAL CONFORMANCE TO THE DESIGN SHOWN ON THE DOCUMENTS ONLY. BY USE OF THE DRAWINGS PREPARED BY SEC. THE OWNER, THE G.C. AND ALL SUBCONTRACTORS UNDERSTAND AND AGREE THAT THE ENGINEER HAS NO

7. THE STRUCTURE IS DESIGNED TO BE STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE

RESPONSIBLE POSITION IN THE DIRECTION OF THE WORK OR CONSTRUCTION PRACTICES EMPLOYED DURING CONSTRUCTION OF THIS PROJECT. FURTHER, THE OWNER AND CONTRACTOR AGREE TO ABSOLVE AND NOT HOLD THE ENGINEER LIABLE FOR ANY CLAIM ARISING FROM PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY ARISE FROM ANY CONSTRUCTION PRACTICE EMPLOYED ON THIS PROJECT. 9. STRUCTURAL ENGINEERING CONSULTANTS, INC. (SEC) HAS NOT BEEN ENGAGED TO PROVIDE CONSTRUCTION ADMINISTRATION OF ANY KIND FOR THIS PROJECT. ALL INSPECTIONS, OBSERVATIONS, MATERIAL TESTS OR OTHER TESTING (FIELD-TESTS) FOR CONFORMANCE TO

THE PERMIT DOCUMENTS AND THE APPLICABLE CODES AND STANDARDS SHALL BE THE RESPONSIBILITY OF THE OWNER, THE GENERAL CONTRACTOR AND/OR THE TESTING AGENCY, UNRELIEVED BY OCCASION SITE VISITS BY SEC OR ITS REPRESENTATIVES. 10. ALL PRE-ENGINEERED/MANUFACTURED COMPONENTS (TRUSSES, JOISTS, STAIRS, WINDOW SYSTEMS, ETC..) SHALL BE DESIGNED BY

AN ILLINOIS LICENSED STRUCTURAL ENGINEER (SE) ENGAGED BY THE MAKER. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. CALCULATIONS AND SHOP DRAWINGS, INCLUDING LAYOUT PLANS, SHALL BE SEALED BY THE SE UPON REQUEST.

11. SHOP DRAWINGS SHALL BE PREPARED ON THE FEWEST NUMBER OF PAGES, AND IN THE MOST EFFICIENT MANNER POSSIBLE, ON SHEETS NOT SMALLER THAN 24x36. SIMILAR MEMBERS SHALL BE GROUPED TOGETHER ALONG WITH MEMBER SPECIFIC DETAILING ON THE SAME SHEET. PIECE MARKS SHALL INCLUDE THE SHEET NUMBER (E.G. 23-C3 OR C3-23 INDICATES COLUMN C3 ON SHEET 23). ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE G.C. BEARING THE G.C. REVIEW STAMP PRIOR TO SUBMITTAL TO THE POR. SHOP DRAWINGS THAT ARE NOT SO PREPARED WILL REQUIRE EXTRA REVIEW TIME OR MAY BE RETURNED AS "UNREVIEWABLE."

12. MATERIAL CERTIFICATES AND/OR LABORATORY TEST REPORTS FOR COMPLIANCE WITH THE APPLICABLE CODES AND/OR STANDARDS SHALL BE BY A QUALIFIED, INDEPENDENT TESTING AGENCY AND SHALL NOT BE MORE THAN 12-MONTHS OLD.

13. SUBMITTALS SHALL BE EITHER (3) FULL—SIZE PAPER COPIES OR ELECTRONIC PDF FILES THAT ARE SENT AS DIRECT EMAIL ATTACHMENTS, SEC WILL NOT DOWNLOAD FILES FROM THE "CLOUD" OR FROM 3rd PARTY FILE HANDLING SERVICES, EMAIL SUBMITTALS SHALL CLEARLY IDENTIFY THE CONTRACTOR AND SUBCONTRACTOR(S), ALONG WITH EACH SUBMITTED ITEM.

14. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL ALLOW THE OWNER'S TESTING AGENCY ACCESS TO THE JOB SITE AND TO ALL MATERIAL STORES, FABRICATION SHOPS AND PLANTS, EQUIPMENT, ETC., AS NECESSARY TO PERFORM THE REQUIRED TESTS, THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COOPERATE FULLY WITH THE OWNER'S TESTING AGENCY AND SHALL PROVIDE ADEQUATE NOTIFICATION OF WORK TO BE PERFORMED THAT REQUIRES THE SERVICES OF THE TESTING AGENCY. WORK PERFORMED WITHOUT THE REQUIRED TESTING, INSPECTIONS OR OBSERVATIONS SHALL BE REMOVED AND REPLACED AT THE DISCRETION OF THE POR AND AT NO COST TO THE OWNER OR POR.

15. SEC SHALL NOT BE RESPONSIBLE FOR GALVANIC PROTECTION DESIGN FOR ANY PART OF THE CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE VENDERS, FABRICATORS AND SUPPLIERS OF ANY COMPONENTS PROVIDED TO DESIGN FOR GALVANIC PROTECTION AND ISOLATION WHERE DISSIMILAR MATERIALS MAY COME INTO CONTACT.

16. CONTRACTOR NOTE: NO EXCEPTIONS, ALTERNATES OR OTHER DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS SHALL BE MADE WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE APPROPRIATE PROFESSIONAL OF RECORD (POR), ANY SUCH DEVIATION WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE RESPONSIBLE POF SHALL VOID THESE CONSTRUCTION DOCUMENTS.

01200 TESTING & TESTING AGENCY REQUIREMENTS

1. IT IS STRONGLY RECOMMENDED THAT THE OWNER ENGAGE AN INDEPENDENT TESTING AGENCY TO ENSURE THAT ALL CONSTRUCTION CONFORMS TO THE APPLICABLE CODES AND STANDARDS. THE TESTING AGENCY SHALL PROVIDE ALL NECESSARY LABOR AND EQUIPMENT AS REQUIRED TO PERFORM THE TESTS, INSPECTIONS AND OBSERVATIONS (TESTS) LISTED BELOW AND REQUIRED HEREIN:

A. SOIL TESTS AND INSPECTIONS TO CONFIRM THE REQUIRED SOIL CONDITIONS FOR THE FOUNDATIONS, SLABS AND PAVING WORK (IT IS STRONGLY RECOMMENDED THAT SOIL TESTS BE PERFORMED BY A MEMBER IN GOOD STANDING OF "THE ASSOCIATION OF ENGINEERING FIRMS PRACTICING IN THE GEOSCIENCES" (ASFE), 8811 COLESVILLE RD., SILVER SPRING, MD 20910; B. CONCRETE OBSERVATIONS AND TESTS;

C. MASONRY INSPECTIONS AND TESTS REQUIRED FOR LEVEL B QUALITY ASSURANCE IN ACCORDANCE WITH TMS 402/602; D. INSPECTIONS OF THE CONTRACTOR'S AND SUBCONTRACTOR'S EQUIPMENT AS REQUIRED: E. STEEL FABRICATOR SHOP INSPECTIONS AS REQUIRED AND STRUCTURAL STEEL ERECTION INSPECTIONS, OBSERVATIONS & TESTS;

F. OTHER TESTS, INSPECTIONS AND OBSERVATIONS REQUIRED BY LOCAL, STATE AND NATIONAL CODES & STANDARDS. 2. IN THE EVENT THAT THE OWNER DOES NOT ENGAGE A TESTING AGENCY AS RECOMMENDED, THE G.C. SHALL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM ALL OF THE TESTING REQUIRED BY THE BUILDING CODE AND THE APPLICABLE STANDARDS, AND AS

REQUIRED BY THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. 3. IN NO CASE SHALL THE TESTING AGENCY DELAY THE WORK BY FAILURE TO PERFORM THE REQUIRED TESTS IN A TIMELY MANNER.

4. THE TESTING AGENCY SHALL SUBMIT A WORK PROPOSAL INCLUDING ALL UNIT FEES AND HOURLY RATES TO THE OWNER PRIOR TO

5. THE TESTING AGENCY SHALL SUBMIT COPIES OF ALL INSPECTION AND TEST REPORTS WITHIN 48 HOURS OF TESTING TO THE OWNER, ARCHITECT, CONTRACTOR AND LOCAL CODE OFFICIAL AS REQUIRED ON A REGULAR BASIS DURING THE WORK.

02000 EARTHWORK FOR FOUNDATIONS

1. FOUNDATIONS ARE TO BE PLACED UPON UNDISTURBED SOIL CAPABLE OF SUPPORTING AN ASSUMED SAFE BEARING PRESSURE OF 3000 PSF; SLABS ON GRADE SHALL BE PLACED ON SOIL WITH AN ASSUMED MODULUS OF SUBGRADE REACTION OF 100 PCI. THE ASSUMED SOIL DESIGN VALUES SHALL BE FIELD VERIFIED BY A QUALIFIED TESTING AGENCY PRIOR TO THE PLACEMENT OF CONCRETE.

2. THE ASSUMED SOIL DESIGN VALUES SHALL BE FIELD VERIFIED BY A QUALIFIED TESTING AGENCY PRIOR TO THE PLACEMENT OF

3. IN THE EVENT THAT THE OWNER HAS NOT ENGAGED A TESTING AGENCY AS RECOMMENDED, THE G.C. SHALL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM ALL NECESSARY SOIL EXPLORATION AND INSPECTIONS TO VERIFY THE ASSUMED SOIL DESIGN VALUES PRIOR TO THE START OF THE WORK, AND PRIOR TO THE PLACEMENT OF CONCRETE. CONTACT THE ARCHITECT AND ENGINEER

IMMEDIATELY IN WRITING IF THE ASSUMED SOIL DESIGN VALUES CANNOT BE ACHIEVED. 4. EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 42-IN BELOW THE FINISHED EXTERIOR GRADE FOR FROST PROTECTION.

5. WHERE THE SOIL DOES NOT MEET THE REQUIRED BEARING VALUE, OVER-EXCAVATION TO AN ACCEPTABLE BEARING STRATUM MAY BE REQUIRED, SUBJECT TO THE APPROVAL OF THE OWNER AND ARCHITECT. ALONG WITH THE BASE BID, THE CONTRACTOR SHALL PROVIDE UNIT COSTS FOR SUCH OVER-EXCAVATION AND THE FOLLOWING ALTERNATIVES:

A. PROVIDE COMPACTED FILL TO THE REQUIRED BEARING ELEVATION. B. PLACE FOOTINGS AT THE ACCEPTABLE BEARING ELEVATION AND PROVIDE PIERS AT COLUMNS AND/OR ADDITIONAL

FILL UNDER FOOTINGS AND SLABS ON GRADE

MIN.). REMOVE SOFT AREAS AND PROVIDE FILL AS INDICATED ABOVE.

FOUNDATION WALL HEIGHT, RESPECTIVELY. 6. STRUCTURAL FILL AND BACKFILL IS TO BE ENVIRONMENTALLY CLEAN AND FREE OF ALL ORGANIC MATTER OR OTHER DELETERIOUS MATTER, FILL IS TO BE PLACED AND COMPACTED ON BOTH SIDES OF FOUNDATION WALLS EVENLY IN LIFTS NOT TO EXCEED 9 INCHES. SHORE BASEMENT WALLS ADEQUATELY PRIOR TO BACKFILLING AND UNTIL THE SUPPORTING STRUCTURE IS COMPLETE. FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM PERCENTAGES OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557 U.N.O.:

..... 95%

FILL UNDER ROADS & SIDEWALKS 7. PROOF-ROLL THE BUILDING FOOTPRINT PRIOR TO PLACEMENT OF SUBGRADE WITH THE HEAVIEST AVAILABLE EQUIPMENT (25 TON

8. THE CONTRACTOR IS TO IDENTIFY AND PROPERLY MARK THE LOCATIONS OF ALL UNDERGROUND UTILITIES AND STRUCTURES WITHIN THE WORK AREA PRIOR TO THE START OF CONSTRUCTION. CONTACT J.U.L.I.E., "DIGGER" AND ALL AVAILABLE RECORDS AS NECESSARY AND AS REQUIRED BY LAW.

03000 CAST-IN-PLACE CONCRETE AND REINFORCEMENT

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318, ACI 301 AND THE ACI CODE OF STANDARD PRACTICE. DELIVERY AND PLACEMENT OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI 304 AND ASTM C94.

2. EXCEPT AS NOTED, CONCRETE FOR SLABS ON GRADE SHALL ATTAIN A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS AND SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.45. ALL OTHER CONCRETE SHALL ATTAIN A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS AND SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.52. CONCRETE EXPOSED TO FREEZE-THAW IS TO BE AIR ENTRAINED 6% ± 1% AND SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.40.

3. SUBMIT CONCRETE MIX DESIGNS AND PREVIOUS USE DATA IN ACCORDANCE WITH ACI 318.

4. CEMENT SHALL CONFORM TO ASTM C150 TYPE I OR II. FLY ASH CONFORMING TO ASTM C618 MAY BE USED TO REPLACE NOT MORE THAN 20 PERCENT OF THE CEMENT IN THE MIXES. AGGREGATES SHALL CONFORM TO ASTM C33. CEMENT AND AGGREGATE FOR EXPOSED CONCRETE SHALL BE SUPPLIED FROM SINGLE STOCKS.

5. CONCRETE ADMIXTURE FOR AIR-ENTRAINMENT SHALL CONFORM TO ASTM C260. ALL OTHER CONCRETE ADMIXTURES SHALL CONFORM TO ASTM C494. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN THE CONCRETE MIXES.

6. A SET OF NOT LESS THAN 3 CONCRETE CYLINDERS SHALL BE TAKEN FOR EVERY 150 CU YD OF CONCRETE PLACED OR FOR EVERY

5000 S.F. OF WALL OR SLAB PLACED (MINIMUM 1 SET PER DAY). ONE CYLINDER SHALL BE TESTED AT 7 DAYS AND ONE AT 28 DAYS. THE THIRD CYLINDER SHALL BE RETAINED FOR NOT LESS THAN 90 DAYS TO BE TESTED AS NECESSARY THE TESTING AGENCY IS TO SEND TEST REPORT RESULTS TO THE ARCHITECT WITHIN 5 DAYS OF TESTING IN ALL CASES. ALL CYLINDERS SHALL BE OBTAINED AND TESTED IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.

7. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306 WHEN THE ATMOSPHERIC TEMPERATURE IS EXPECTED TO FALL BELOW 40°F. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305 WHEN THE ATMOSPHERIC TEMPERATURE IS EXPECTED TO RISE ABOVE 90°F.

3. CONCRETE FORMWORK AND FORMED CONCRETE SURFACES SHALL CONFORM TO ACI 347 "GUIDE TO FORMWORK FOR CONCRETE." EXTERIOR CONCRETE SURFACES WHICH WILL BE EXPOSED TO VIEW WHEN FINISHED SHALL BE CLASS A AND SHALL BE RUBBED SMOOTH NLL OTHER EXPOSED SURFACES SHALL BE CLASS C EXCEPT THAT CONCEALED SURFACES MAY BE CLASS D. USE FORM RELEASE AGENTS WHICH WILL NOT STAIN THE FINISHED CONCRETE SURFACES OR ADVERSELY EFFECT THE APPLICATION OF FINISHES.

9. FINISHED CONCRETE SHALL BE EVALUATED AND REPAIRED AS NOTED HEREIN AND IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE. ALL CONCRETE SHALL BE FREE FROM HONEYCOMBS AND OTHER DEFECTS AND SHALL BE PROPERLY CONSOLIDATED IN ACCORDANCE WITH ACI 309 "CUIDE FOR CONSOLIDATION OF CONCRETE." PROVIDE 3/4" CHAMFER AT ALL VERTICAL AND HORIZONTAL CONCRETE CORNERS WHICH WILL BE EXPOSED IN THE FINISHED STRUCTURE, U.N.O.

O. REBAR TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60. WHERE APPLICABLE WELDING OF REBAR SHALL CONFORM TO AWS D1.4. EPOXY-COATED REBAR SHALL CONFORM TO ASTM A775. ALL OTHER REBAR SHALL CONFORM TO ASTM A615 GRADE 60 AND SHALL NOT BE WELDED. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

I. COVER FOR REBAR SHALL BE IN ACCORDANCE WITH ACI 318 AND SHALL NOT BE LESS THAN THE FOLLOWING: CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH CONCRETE EXPOSED TO FARTH OR WEATHER:

#6 THRU #18 BARS #5 BAR AND SMALLER . CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLABS, WALLS & JOISTS: #11 BAR AND SMALLER BEAMS & COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS & SPIRALS 1 1/2

2. PROVIDE (2)#4x48" AT ALL RE-ENTRANT CORNERS IN SLABS ON GRADE. EXTEND OR BEND AS REQ'D. PITCH THE SLABS LOCALLY TOWARD FLOOR DRAINS WHERE SHOWN ON THE ARCHITECTURAL OR PLUMBING DRAWINGS.

3. THE CONCRETE CONTRACTOR SHALL INSTALL ANCHOR BOLTS, EMBEDDED PLATES, ETC.. REQUIRED FOR THE WORK OF OTHER TRADES. PROVIDE SLEEVES FOR UTILITIES BELOW OR THROUGH FOUNDATION WALLS WHERE REQ'D. SEAL SLEEVES AGAINST WATER INTRUSION AFTER THE INSTALLATION OF THE UTILITIES. ISLEEVES SHALL NOT BE PLACED WITHIN FOOTINGS OR COLUMN PIERS.

. MASONRY WORK SHALL MEET THE MINIMUM TESTS, SUBMITTALS AND INSPECTION REQUIREMENTS FOR LEVEL B QUALITY ASSURANCE I ACCORDANCE WITH TMS 402 TABLE 3.1.2. MASONRY WORK SHALL BE CONSTRUCTED IN RUNNING BOND U.N.O.

CLAY MASONRY UNITS SHALL NOT BE LESS THAN 70 PERCENT SOLID AND SHALL CONFORM TO ASTM C55 OR C216, Fm = 6600 PSI. CONCRETE MASONRY UNITS (CMU) SHALL BE OPEN-ENDED, MEDIUM WEIGHT (120 ± 5 PCF) TYPE I UNITS CONFORMING TO ASTM C90 OR C145, Fm = 3250 PSI. CMU FOR EXTERIOR WALLS SHALL CONTAIN INTEGRAL WATER—REPELLENT (WR), AND SHALL CONFORM TO THE PEFORMANCE CRITERIA OF NCMA TEK 19-7, COMPATIBLE, BREATHABLE WATER-REPELLANT TREATMENT SHALL BE APPLIED TO ALL EXTERIOR SURFACES OF COMPLETED CMU WALLS. WR SHALL BE ALKALAI—RESISTANT IF APPLIED WITHIN 9—MONTHS OF THE COMPLETION OF THE WALLS. WR SHALL BE USED IN STRICT COMPLIANCE WITH THE MFR'S WRITTEN INSTRUCTIONS.

3. MORTAR FOR LOAD—BEARING CMU AND BRICK SHALL CONFORM TO ASTM C270 TYPE S. MORTAR FOR NON—BEARING BRICK VENEER SHALL CONFORM TO ASTM C270 TYPE N. GROUT FOR MASONRY SHALL CONFORM TO ASTM C476, F'q = 3500 PSI AT 28 DAYS. ALL BELOW-GRADE MASONRY SHALL BE SOLIDLY GROUTED USING TYPE M MORTAR AND GROUT. MORTAR AND GROUT FOR USE IN EXTERIOR WALLS SHALL CONTAIN WATER REPELLENT ADMIXTURE COMPATIBLE WITH THE MASONRY UNITS. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN MORTAR OR GROUT MIXES.

4. MASONRY CONSTRUCTION SHALL ATTAIN THE FOLLOWING COMPRESSIVE STRENGTHS IN ACCORDANCE WITH TMS 602: CONCRETE MASONRY (CMU).....F'm = 2500 PSI BRICK MASONRY......F'm = 2500 PSI

5. FOR ROUGH MASONRY OPENINGS OF 48 INCHES OR LESS PROVIDE ONE L3-1/2"X3-1/2"X3/8" FOR EACH 4 INCH THICKNESS OF WALL, UNLESS OTHERWISE NOTED ON THE DRAWINGS. LINTELS SHALL BEAR A MINIMUM OF 4 INCHES ON BOTH SIDES OF MASONRY OPENINGS. GROUT MASONRY SOLID A MINIMUM OF 2 COURSES BELOW BEARING AT INFRAMING LINTELS AND BEAMS.

3. PROVIDE 1/2-INCH HEADED STUDS UP INTO MASONRY AT 24-INCHES AT ALL WIDE-FLANGE, TUBE AND CHANNEL LINTELS. SEE STRUCTURAL STEEL NOTES FOR ADDITIONAL REQUIREMENTS.

. PROVIDE JOINT REINFORCEMENT IN COMPOSITE WALLS, AND VENEER TIES TO CMU, WOOD OR CF STUD BACK—UP WALLS AS FOLLOWS A. IN SOLID OR COMPOSITE WALLS, PROVIDE TRUSS-TYPE HORIZONTAL REINFORCEMENT OF 9-GA MIN. CONTINUOUS WIRES AND 9-GA DIAGONAL WIRES IN MASONRY JOINTS AT 16" VERT. (DUR-0-WAL OR APPROVED EQUAL).

B. IN MASONRY VENEER CONSTRUCTION, PROVIDE BACK-UP TIES CONSISTING OF 7/8" WIDE, 7" LONG CORRUGATED, HOT-DIP GALVANIZED STRAPS ANCHORED TO STUDS AT 16" VERTICALLY AND 24" HORIZONTALLY.

B. METAL WIRES USED AS TIES AND ANCHORS SHALL CONFORM TO ASTM A82. ONLY CORROSION—RESISTANT METALS OR METALS WITH SUCH COATING SHALL BE USED.

9. PROVIDE CONTINUOUS, SOLIDLY GROUTED BOND—BEAMS AT ROOF AND FLOOR LEVELS FOR ANCHORAGE OF HORIZONTAL DIAPHRAGMS IN CMU WALLS. PROVIDE (2) #5 CONT. U.N.O.

10. NO EXTERIOR MASONRY SHALL BE LAID WHEN THE ATMOSPHERIC TEMPERATURE IS EXPECTED TO BE LESS THAN 40°F UNLESS

ADEQUATE PROTECTION, APPROVED BY THE ARCHITECT, IS PROVIDED. 1. OPENINGS THROUGH MASONRY FOR THE WORK OF OTHER TRADES SHALL AVOID REBAR AND SHALL BE MADE BY THE MASONRY CONTRACTOR OR UNDER THE DIRECT SUPERVISION OF THE G.C. UNLESS DETAILED OTHERWISE, OP'GS SHALL BE ROUND, CORE-DRILLEI HOLES NOT MORE THAN 3-IN DIA, WITH AT LEAST 2-IN OF SOLID MASONRY OR 6-IN OF HOLLOW MASONRY ON ALL SIDES OF THE

COMPLETED OPENING. WHERE MULTIPLE CORES OCCUR THEY SHALL BE SPACED NO CLOSER THAN 3-DIA. OF THE LARGER OPENING. 05000 STRUCTURAL STEEL & STEEL FABRICATIONS

1. DESIGN, FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN," AND "AISC CODE OF STANDARD PRACTICE," LATEST ED.

2. STEEL BEARING PLATES, CHANNELS AND WIDE-FLANGE SHAPES SHALL CONFORM TO ASTM A572, GRADE 50 (Fy = 50 KSI) OR ASTM 🚪 10. PREFAB CONSTRUCTION CONNECTORS SHALL BE BY SIMPSON STRONG-TIE (ST) OR APPROVED EQUAL AND SHALL BE CAPABLE OF A992, GRADE 50 (Fy = 50 KSI) U.N.O. STIFF'S, COVER PLATES, ETC.. SHALL MATCH THE YIELD STRENGTH OF THE PARENT MEMBER. ALL OTHER STEEL SHALL CONFORM TO ASTM A36 (Fy = 36 KSI) U.N.O. STEEL PIPES ARE TO BE STANDARD WEIGHT AND SHALL

4. APPLY ONE COAT OF SHOP PRIMER TO THE SURFACES OF ALL STRUCTURAL STEEL EXCEPT SURFACES TO RECEIVE SPRAY—ON FIRE

POWER TOOL CLEANING PRIOR TO PAINTING. WHERE COLUMNS, POSTS OR OTHER STEEL ELEMENTS ARE TO BE BELOW GRADE AND

PROTECTION OR WHERE STEEL WILL BE ENCASED SOLIDLY IN CONCRETE OR MASONRY. CLEAN STEEL IN ACCORDANCE WITH SSPC-SP3

CONFORM TO ASTM A53, GRADE B (Fy = 35 KSI) U.N.O. STEEL TUBES SHALL CONFORM TO ASTM A500, GRADE B (Fy = 46 KSI)..6600 3. ANCHOR BOLTS SHALL BE ASTM A36, ASTM A572 GRADE 50 OR ASTM A307 U.N.O.. HEADED STUDS SHALL CONFORM TO ASTM A108

WILL NOT BE EMBEDDED IN CONCRETE OR MASONRY, APPLY 1/4-INCH (6.0 MM) BITUMINOUS ENAMEL PAINT OR HOT COAL TAR TO ALL PORTIONS BELOW GRADE. 5. ALL EXTERIOR STEEL FRAMING AND FRAMING EXPOSED TO CORROSIVE ENVIRONMENTS SHALL BE HOT-DIP GALVANIZED AND FINISHED WITH A COMPATIBLE FINISH COAT, UNLESS OTHERWISE NOTED. DAMAGED COATINGS SHALL BE REPAIRED AS APPLICABLE AFTER ALL

SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. 6. CONNECTIONS AND CONNECTION DETAILS SHOWN ON THE PLANS ARE FOR INFORMATION, ONLY. ALL CONNECTIONS SHALL BE DESIGNED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER (SE) ENGAGED BY THE FABRICATOR TO SUPPORT THE REQUIRED LOADS.

CONNECTIONS AND ASSOCIATED WORK HAVE BEEN COMPLETED. STEEL LINTELS AND HEADERS SUPPORTING MASONRY AT EXTERIOR WALLS

SUBMIT CONNECTION CALCULATIONS SEALED BY THE SE TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION. 7. EXCEPT WHERE SPECIFICALLY NOTED, DESIGN CONNECTIONS TO SUPPORT 50% OF THE TOTAL BEAM LOADS LISTED IN THE AISC UNIFORM LOAD TABLES (ULT). WHERE REACTIONS DIFFER FROM ULT VALUES THEY SHALL BE DENOTED WITHIN PARENTHESES AT THE END

OF THE BEAM WHERE THUSLY (XY) IN KIPS OF TOTAL LOAD. 8. ALL BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF 2 BOLTS.

ARC WELDING.

). IN GENERAL CONNECTIONS ARE TO BE SHOP WELDED AND FIELD BOLTED USING ASTM A325 TYPE 1 BOLTS U.N.O.: A. BOLTS FOR CONNECTIONS SHALL BE BEARING TYPE A325—N UNLESS OTHERWISE NOTED. BOLTS FOR BRACE CONNECTIONS SHALL BE SLIP-CRITICAL A325-SC. TYPE 3 BOLTS SHALL BE USED FOR EXTERIOR INSTALLATIONS OR WHERE OTHERWISE EXPOSED TO A CORROSIVE ENVIRONMENT. BOLTED CONNECTIONS SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS." B. WELDING ELECTRODES SHALL BE AWS A5.1, CLASS E70XX FOR MANUAL WELDING AND GRADE SAW-2 FOR SEMI-AUTOMATIC

D. COLUMN SPLICES MAY BE EITHER BOLTED OR WELDED TO DEVELOP THE FULL CAPACITY OF THE SMALLER INFRAMING SECTION.

1. NON-SHRINK GROUT UNDER BEARING AND BASE PLATES SHALL BE NON-METALLIC CONFORMING TO CE-CRD-C621 AND SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.

05000 CONT.

12. WHERE SHIMS ARE NECESSARY, THEY SHALL BE NOT LESS THAN 3/32-IN THICK AND SHALL BE PERMANENTLY FIXED BY WELDING. SHIMS SHALL CONFORM TO ASTM A36 OR A572 STEEL AND SHALL BE OF ADEQUATE SIZE TO PROVIDE THE FULL INTENDED BEARING AREA. NO MORE THAN 3 SHIMS SHALL BE USED AT ANY LOCATION FOR A MAXIMUM TOTAL THICKNESS OF 1/2-IN.

13. STEEL BEAMS AND COLUMNS BEHIND OR EMBEDDED WITHIN MASONRY SHALL HAVE WELD-ON MASONRY ANCHORS AT 16" OR AS SHOWN ON THE DRAWINGS ON ALL SURFACES FACING THE MASONRY. PROVIDE HECKMAN #317 OR APPROVED EQUAL. SEE MASONRY NOTES FOR ADDITIONAL REQUIREMENTS.

14. SUBMIT SHOP DRAWINGS FOR FABRICATED STEEL STAIRS FOR REVIEW PRIOR TO FABRICATION. SUBMIT SEALED DRAWINGS AND CALCULATIONS UPON REQUEST (SEE ARCH. & 01000 NOTES FOR ADD'L INFO & REQ's). 15. CONTRACTOR IS TO COORDINATE THE SHOP FABRICATION OF STRUCTURAL STEEL IN THE LARGEST AND FEWEST NUMBER OF PIECES

AS IS PRACTICAL FOR SHIPPING AND HANDLING IN THE FIELD WITH THE AVAILABLE EQUIPMENT. 16. SUBMIT SHOP DRAWINGS SHOWING STRUCTURAL STEEL, METAL DECK AND ACCESSORIES, STEEL JOISTS AND EXTENT OF

PREFABRICATION TO THE ARCHITECT FOR REVIEW, SHOP DRAWINGS SHALL BE SEALED BY A LICENSED STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ILLINOIS (SEE 01000 FOR ADD'L REQ's).

05100 FIELD-DRILLED ANCHORS

1. POST-INSTALLED ADHESIVE OR EXPANSION-TYPE ANCHORS (ABBREVIATED A.B.) SHALL BE MANUFACTURED BY HILTI OR APPROVED EQUAL AND SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

2. THE MINIMUM DISTANCES TO EDGES OF CONCRETE OR MASONRY FOR FIELD—DRILLED ANCHORS SHALL BE 3—IN AND 4—IN FOR ADHESIVE AND EXPANSIVE—TYPE ANCHORS, RESPECTIVELY.

3. INSTALLERS FOR ADHESIVE ANCHORS SHALL BE CERTIFIED IN ACCORDANCE WITH ACI 318-11. SUBMIT COPIES OF INSTALLER AAI CERTIFICATE(S) UPON REQUEST.

FILLED WITH EPOXY GROUT WHICH SHALL MATCH THE CONCRETE OR MASONRY COLOR WHERE EXPOSED TO VIEW.

4. FIELD-DRILLED HOLES SHALL BE LOCATED TO AVOID REINFORCEMENT AND OTHER EMBEDDED ITEMS. ABANDONED HOLES SHALL BE

1. METAL DECK SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH STEEL DECK INSTITUTE (SDI) SPECIFICATIONS AND LOAD TABLES. STEEL FOR METAL ROOF AND FLOOR DECK SHALL CONFORM TO ASTM A611, GRADE C, D OR E, OR ASTM A653-94 GRADE 33 KSI OR HIGHER. SEE STRUCTURAL STEEL NOTES FOR ADDITIONAL REQUIREMENTS.

2. DECK ATTACHMENTS SHALL BE AS NOTED, BUT NOT LESS THAN REQUIRED TO COMPLY WITH FACTORY MUTUAL (FM) REQUIREMENTS. 3. DECK ENDS SHALL BEAR A MINIMUM OF 2 IN ON STEEL SUPPORTS AND SHALL BE ATTACHED WITH 5/8 IN PUDDLE WELDS AT 12 IN O.C. UNLESS NOTED OTHERWISE. PROVIDE #10 TEK SCREWS AT 18 INCHES O.C. MAXIMUM AT SIDELAPS BETWEEN SUPPORTS.

SUPPORTS. 5. THE MINIMUM THICKNESS OF ROOF OR FLOOR DECK SHALL BE 22 GAGE (0.0295 IN).

6. ROOF DECK SHALL BE PAINTED OR GALVANIZED IN ACCORDANCE WITH ASTM A653, G-60 FINISH. PROVIDE ONE SHOP COAT OF PAINT TO ALL SURFACES OF METAL FLOOR DECK AND ACCESSORIES EXCEPT SURFACES TO RECEIVE SPRAY-ON FIRE PROTECTION.

8. PROVIDE SLAB POUR STOPS, RIDGE/VALLEY PLATES, J-STRIPS AND OTHER ACCESSORIES REQUIRED TO SUPPORT ARCHITECTURAL

7. NO LOADS ARE TO BE HUNG DIRECTLY FROM ROOF DECK. PROVIDE MISCELLANEOUS FRAMING AS NECESSARY TO SUPPORT PIPING,

4. INSTALL METAL DECK WITH THE RIBS PERPENDICULAR TO THE SUPPORTING FRAMING AND SPANNING ACROSS A MINIMUM OF 3

WORK, TRANSFER DIAPHRAGM SHEAR FORCES, ETC...

1. JOISTS SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH STEEL JOIST INSTITUTE (SJI) SPECIFICATIONS. SEE STRUCTURAL STEEL NOTES FOR ADDITIONAL REQUIREMENTS.

2. ALL PIPING HANGERS ARE TO BE HUNG AT THE JOIST TOP CHORDS UNLESS OTHERWISE ALLOWED BY THE JOIST MANUFACTURER. DESIGN JOISTS AND JOIST-GIRDERS TO SUPPORT ALL PIPE HANGER LOADS AND PROVIDE WEB REINFORCEMENT AS REQUIRED. GENERAL CONTRACOR TO COORDINATE THE LOCATION OF PIPING AND HANGERS WITH THE PLUMBING CONTRACTOR AND JOIST MANUFACTURER.

3. FURNISH AND INSTALL BRIDGING IN ACCORDANCE WITH SJI SPECIFICATIONS. IN ADDITION, PROVIDE X-BRIDGING IN END SPACES OF ALL BRIDGING RUNS. ANCHOR BRIDGING LINES AT ENDS TO MASONRY WALLS OR STEEL BEAMS, AS APPLICABLE. 4. EXTEND BOTTOM JOIST CHORD TO COLUMNS AND FIELD WELD AFTER ALL ROOFING HAS BEEN INSTALLED AT ALL COLUMNS. PROVIDE

SHEAR TAB OR ANGLE IN ACCORDANCE WITH SJI STANDARDS AS REQUIRED FOR THIS CONNECTION.RIL 5. WHERE THE SUPPORTING BEAM FLANGE WIDTH IS LESS THAN 5-IN THE JOIST SUPPLIER SHALL PROVIDE SPECIAL DETAILS SUCH AS STAGGERING THE BEARING LOCATIONS OF JOISTS FROM ADJACENT SPANS.

6. WHERE ANY JOIST IS LESS THAN 6-FT IN LENGTH THE JOIST MFR. MAY SUBSTITUTE 2.5KX OR SIMILAR MEMBER OF MATCHING SEAT DEPTH, AS LONG AS THE SUBSTITUTE CAN SUPPORT THE REQUIRED LOADS AND MEET THE FIRE RATING OF THE ROOF OR FLOOR

7. APPLY ONE SHOP COAT OF JOIST MANUFACTURER'S PRIMER TO ALL JOISTS AND ACCESSORIES EXCEPT AT SURFACES TO RECEIVE SPRAY-ON FIRE PROTECTION.

05700 COLD-FORMED STEEL FRAMING (CF)

5. PROVIDE DOUBLE STUDS ADJACENT TO ALL WINDOW AND DOOR OPENINGS.

1. THE DESIGN, FABRICATION AND INSTALLATION OF COLD-FORMED STEEL AND LIGHT-GAGE METAL FRAMING (CF) SHALL COMPLY WITH AISI STANDARD S100, ASTM C754 AND THE APPLICABLE CODES AND STANDARDS.

2. CF AND ACCESSORIES SHALL BE FORMED FROM CORROSION-RESISTANT STEEL PER ASTM C955, G60 COATING (G90 FOR EXPOSED

OR EXTERIOR CF) MEETING THE REQUIREMENTS OF ASTM A653. CF MATERIAL 54-mil AND THICKER SHALL BE ASTM A653 GRADE 50 (Fy = 50 ksi). CF MATERIAL 43-mil AND THINNER MAY BE EITHER ASTM A653 GRADE 33 OR 50 (Fy = 33 ksi MIN.). . PROVIDE ALL STRAPS, TRACKS, BRIDGING AND OTHER ACCESSORIES SHOWN AND IMPLIED AS NECESSARY TO COMPLETE THE WORK

AND MEET AISI SPECIFICATIONS AND LOCAL REQUIREMENTS. 4. METAL STUD BEARING WALLS SHALL BE OF ADEQUATE SIZE AND GAGE TO SAFELY SUPPORT ALL GRAVITY DEAD AND LIVE LOADS IN

ADDITION TO THE APPROPRIATE LATERAL LOADS, STUDS FOR METAL BEARING WALLS SHALL BE 20 GAGE MINIMUM.

6. ALIGN JOISTS, TRUSSES OR OTHER FRAMING DIRECTLY ABOVE VERTICAL WALL STUDS IN BEARING WALLS OR PROVIDE ADEQUATE STIFFENERS TO SUPPORT FRAMING WHERE BEARING BETWEEN STUDS.

. CONNECTIONS SHALL BE BY SHOP OR FIELD WELDING OR WITH SELF-TAPPING SCREWS, WELDS SHALL BE TOUCHED-UP WITH AN ACCEPTABLE ZINC-RICH PAINT, WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED.

8. WELDED CONNECTIONS SHALL CONFORM TO AISI \$100 AND AWS D1.3. DAMAGED GALVANED COATINGS SHALL BE REPAIRED IN ACCORDANE WITH ASTM 780 AFTER WELDING.

9. SELF-DRILLING OR SELF-TAPPING SCREWS SHALL CONFORM TO ASTM C1513 AND SAE J78. SCREW SIZES SHALL CONFROM TO AISI S200 TABLE D1-2, AND SHALL COMPLY w/AISI SECTION E4 FOR METAL TO METAL SCREW FASTENERS. THE QUANTITY AND SIZE OF FASTENERS SHALL COMPLY WITH THE MINIMUM FASTENER REQUIREMENTS SPECIFIED BY THE IRC TABLES FOR 1- AND 2-FAMILY DWELLINGS. BOLTED CF CONNECTIONS SHALL CONFORM TO AISI \$100. PNEUMATIC OR POWDER-ACTUATED FASTENERS SHALL BE INSTALLED IN STRICT COMPLIANCE w/MFR's WRITTEN INSTRUCTIONS.

RESISTING THE REQUIRED JOINT LOADS IN ALL DIRECTIONS. PROVIDE ST—TB BRIDGING AT SUPPORTS AND AT 8'-0" O.C. MAX. . UNLESS NOTED OTHERWISE, ANCHORS FOR TRACKS ATTACHED TO CONCRETE SHALL BE 14-IN TAPCON FASTENERS LOCATED AT CORNERS AND AT 24-IN O.C. TRACKS ON STRUCTURAL STEEL SHALL BE ATTACHED WITH HILTI DNI52P8 POWDER-ACTUATED FASTENERS OR APPROVED EQUAL AT ENDS AND 24" O.C. FASTENERS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

12. PROVIDE "SLIP—TRACK" DOUBLE TOP PLATE AT ALL INTERIOR NON—BEARING PARTITIONS TO ALLOW A MINIMUM 0½" UPWARD OR DOWNWARD DEFLECTION OF THE ROOF OR FLOOR STRUCTURE. WHERE WALLS ARE PARALLEL TO FRAMING PROVIDE BLOCKING AT 24-IN O.C. FOR ATTACHMENT OF UPPER SLIP TRACK.

3. STUDS, POSTS, JOISTS, BEAMS OR OTHER HORIZONTAL OR VERTICAL STRUCTURAL MEMBERS SHALL BE SINGLE, CONTINUOUS MEMBERS WITH NO SPLICES BETWEEN POINTS OF SUPPORT.

GENERAL REQUIREMENTS

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION.
- 2. ALL PARTITON DIMENSIONS ON PLAN SHEETS ARE TO FACE OF STUDS INTERIOR AND FACE OF SHEATHING EXTERIOR. NON-BEARING PARTITIONS ARE TO BE LAID OUT SO THAT STOCK COMPONENTS WILL FIT EXACTLY WITHIN INDICATED DIMENSIONS. FINISHED DIMENSIONS AT CRITICAL AREAS SUCH AS KITCHENS, CLOSETS, BATHTUBS, ETC. MUST BE HELD.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (DO NOT SCALE DRAWINGS, FIGURED DIMENSIONS SHALL TAKE PRECEDENCE) AND CONDITIONS BEFORE PROCEEDING WITH THE WORK AND NOTIFY SUPERINTENDANT AT ONCE OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
- 4. PLUMBING SCHEMATIC DRAWINGS, HVAC DRAWINGS, SEWER MAINS. **ELECTRICAL OUTLETS, SWITCHES, LIGHT LOCATIONS FOR ROUTING** ALL PLUMBING, MECHANICAL AND ELECTRICAL WORK IS TO BE COORDINATED BETWEEN THE TRADES AFFECTED BY THE WORK AS PART OF THEIR INSTALLATION LAYOUT. NO PLUMBING, MECHANICAL, OR ELECTRICAL INFORMATION IS TO BE SCALED FROM THE DRAWING.
- 5. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR.

- 7. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAM IN CONNECTION
- 8. CONTRACTOR SHALL PAY FOR ALL PERMITS AND FEES RELATED TO THEIR WORK.
- 9. GENERAL CONTRACTOR SHALL PRESENT THE OWNER WITH AN "AS-BUILT" DRAWING INDICATING LOCATIONS OF ALL UNDERGROUND UTILITIES ON SITE (ELECTRIC, GAS, WATER, SEWER, TELEPHONE, ECT.). BY THE FIREPLACE MANUFACTURER SHALL BE PLACED AT
- 10. RECOMMENDATION... PROVIDE "KNOX BOX" NEAR THE FRONT
- ENTRANCE AS DICTATED BY THE LOCAL FIRE DEPARTMENT. 11. PROVIDE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10
- AND LOCATED AS DIRECTED BY THE LOCAL FIRE DEPARTMENT. 12. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER

CONTAINED IN THE BID DOCUMENTS.

- 13. EACH CONTRACTOR SHALL INCLUDE LABOR, MATERIALS, TOOLS, EQUIPMENT, ECT., FOR THE COMPLETE CONSTRUCTION OF WORK
- 14. EACH CONTRACTOR SHALL ESTABLISH A SYSTEM OF TESTING AND INSPECTING THEIR WORK IN THE ROUGH AND FINISHED STATE, TO INSURE QUALITY AND PERFORMANCE OF THE FINAL WORK PRODUCT.

PER INDUSTRY HIGH QUALITY STANDARDS AND THE SPECIFICATIONS

INDICATED AND SPECIFIED BY THE DRAWINGS AND SPECIFICATIONS.

- 15. MATERIALS AS SPECIFIED ON THE DRAWING SHALL BE USED. SUBSTITUTIONS OF THE MATERIALS WILL NOT BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE OWNER.
 - 16. EACH SUBCONTRACTOR SHALL AMEND AND MAKE GOOD, AT HIS OWN COST, ANY DEFECTS OR OTHER DEFECTS IN HIS WORKMANSHIP AND/OR MATERIAL, OR DAMAGE HE MAY CAUSE TO ANOTHER'S WORK.
 - 17. EACH CONTRACTOR IS TO CLEAN UP DEBRIS INSIDE
 - 18. THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A LIST OF MATERIALS, FIXTURES, AND EQUIPMENT, INCLUDING TYPE AND QUALITY TO BE USED.

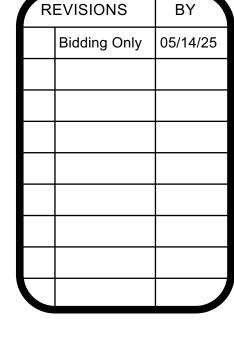
AND OUTSIDE THE BUILDING WHICH IS CAUSED BY HIS WORK.

- 19. ANY DETAILS NOT SPECIFICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL NOT BE EXECUTED WITHOUT OWNERS APPROVAL.
- 20. ALL WORK MUST MEET OWNERS APPROVAL BEFORE FINAL PAYMENT IS MADE.
- 21. ALL WORK SHALL BE GUARANTEED FOR NOT LESS THAN ONE YEAR.
- 22. ALL MATERIAL TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS. THESE RECOMMENDATIONS SHALL TAKE PRECEDENCE OVER CONFLICTING **DETAILS FOUND HEREIN.**
- 23. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUAL CLEAN-UP OF SITE AT THE TIME OF MOVE IN. A FINAL CLEAN-UP WILL BE GIVEN TO PREMISES INCLUDING, BUT NOT LIMITED TO: FLOORS, WALLS, WINDOWS, CABINETS, ETC.
- 24. ALL EXTERIOR STEEL SHALL BE PRIMED AND PAINTED.

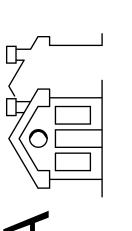
ACCORDANCE WITH ASTM-384.

COOLING & VENTILATING.

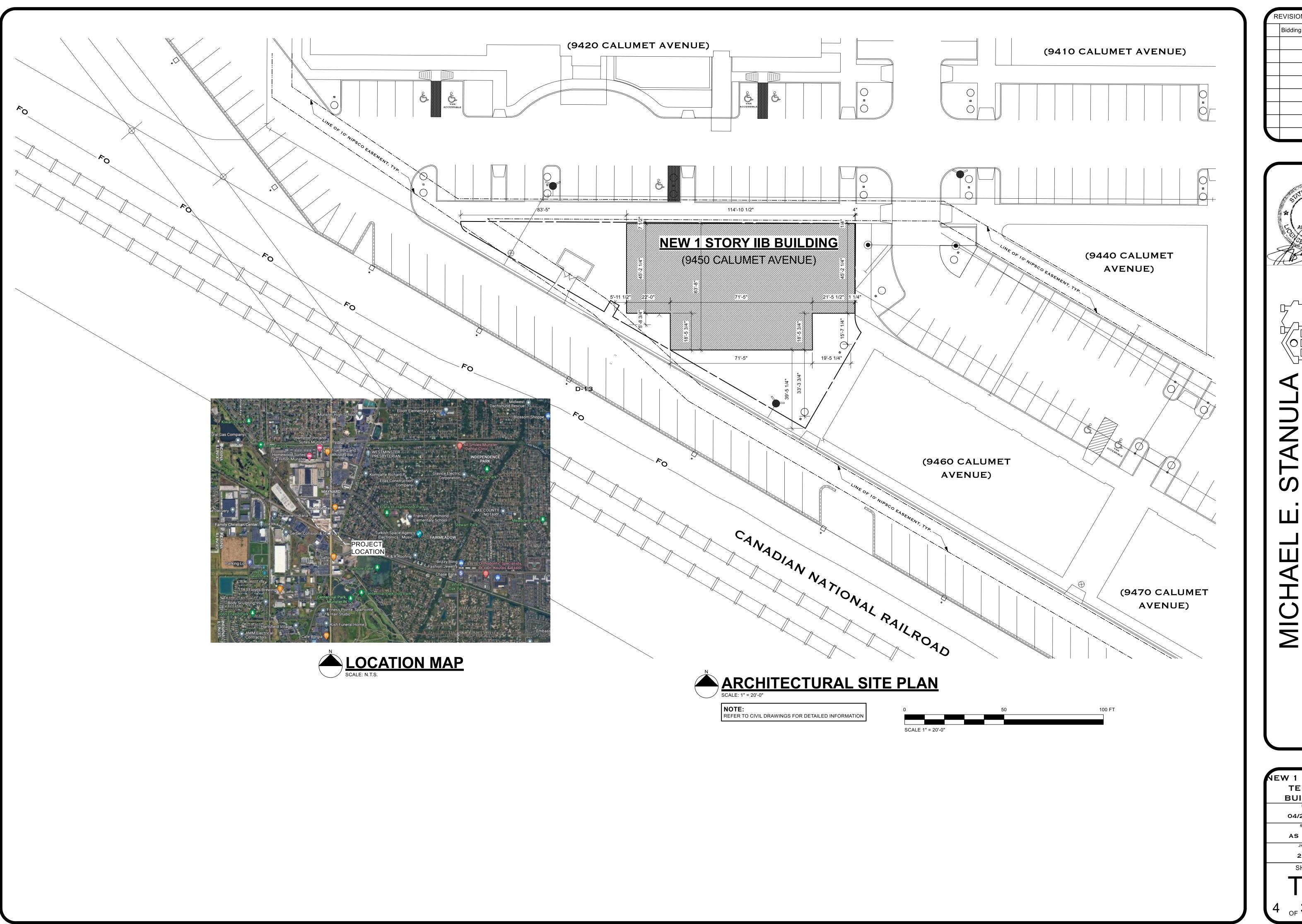
- 25. ALL FIRESTOPPING AS PER STATE AND LOCAL CODES.
- 26. ALL WINDOWS, DOORS, AND TRIM SHALL BE AS VERIFIED BY OWNER.
- 27. THERMAL AND SOUND INSULATING MATERIALS IN EXPOSED OR CONCEALED INSTALLATIONS SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 450 OR LESS WHEN TESTED IN
- 28. --
- 30. CONTRACTOR TO PROVIDE MANUFACURER'S INSTALLATION GUIDE & CUT-SHEETS FOR ALL APPLIANCES, ELECTRICAL HARDWARE & DEVICES, PLUMBING MATERIALS, & THE EQUIPMENT FOR HEATING,
- 31. ALL FOAM PLASTIC CORES OF MANUFACTURED ASSEMBLES SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE DEVELOPED RATING OF NOT MORE THAN 450 WHEN TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE
- 32. ALL CONTRACTORS TO BE REGISTERED, LICENSED, INSURED, & BONDED.

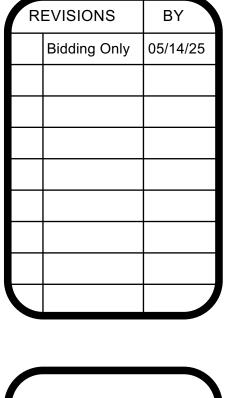


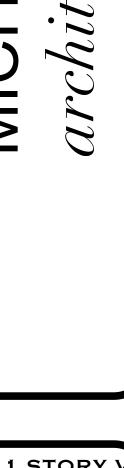




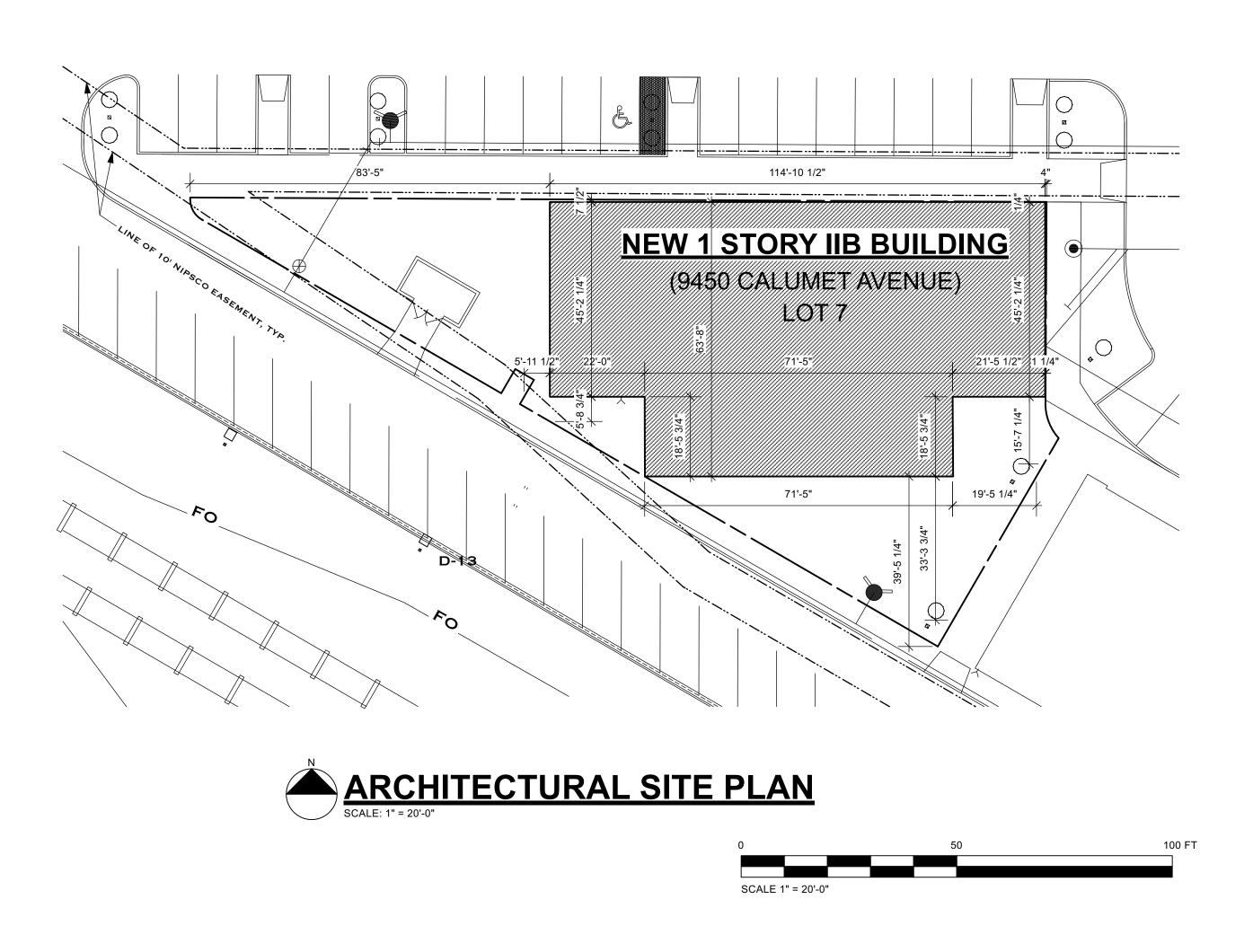
EW 1 STORY \ TENANT BUILDING 04/20/2025 **AS NOTED** JOB NO. 25015







NEW 1 STORY VE
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DATE:
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NOTE:
REFER TO CIVIL DRAWINGS FOR DETAILED INFORMATION