

PROPOSED NEW BUILDING FOR:
NOOR INTERNATIONAL ACADEMY

4050 COOLIDGE HWY
TROY, MICHIGAN 48098
PERMITS 08.17.2022



OWNER



Hamadeh Educational Services, Inc. For
Star International Academy | Universal Learning Academy |
Universal Academy | Noor International Academy
"Promoting Academic Excellence, Leadership & Cultural Diversity"
P.O. Box 1440 | Dearborn, MI 48121 | (313) 565-0507

CIVIL



CONSULTING
ENGINEERS
CIVIL

PEA GROUP
1849 POND RUN DRIVE
AUBURN HILLS, MICHIGAN 48326
PHONE (248) 689-9090
Email: jbutler@peagroup.com

PROJECT INFORMATION

PROJECT NUMBER: 22010

PROJECT LOCATION: 4050 COOLIDGE HWY
TROY, MICHIGAN 48098

DESIGN FIRM: GAY & ASSOCIATES, INC.
24001 ORCHARD LAKE RD
FARMINGTON, MI 48336
PHONE: (248) 985-9101

1. THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:
SAMIR M. KARIM, MI LIC. #1301030452.

2. THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE
MICHIGAN CONSTRUCTION CODES IN EFFECT AT THE TIME OF PERMIT SUBMITTAL. ALL
ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL
COMPLY WITH THE SAME CODES, ISSUED AND APPROVED CODE MODIFICATIONS
AND/OR CITY OF TROY / STATE OF MICHIGAN CONSTRUCTION BOARDS OF APPEALS
RULINGS AND WHENEVER REQUIRED SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS
CLEARLY DESCRIBING COMPLIANCE TO THE REGISTERED DESIGN PROFESSIONAL IN
RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.

3. ALL APPLICABLE GOVERNMENTAL AGENCIES, SUCH AS MDOT, COUNTY, UTILITY SERVICES, ETC.
SHALL HAVE DRAWINGS SUBMITTED FOR REVIEW FOR ENGINEERING APPROVAL AT THE TIME OF
PERMIT SUBMITTAL.

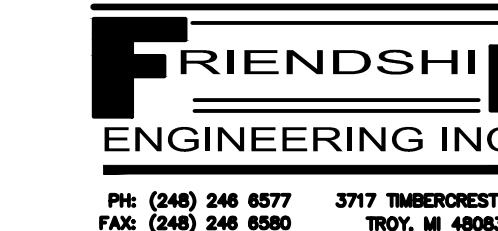
ARCHITECTURAL



ARCHITECTURAL
DESIGN
RESIDENTIAL
COMMERCIAL
INDUSTRIAL

G.A.V. & Associates, Inc.
24001 ORCHARD LAKE RD.
SUITE #180A
FARMINGTON, MICHIGAN 48336
PHONE (248) 985-9101

STRUCTURAL



CONSULTING
ENGINEER
STRUCTURE

FRIENDSHIP ENGINEERING
3717 TIMBERCREST DRIVE
TROY, MICHIGAN, 48083
PHONE (248) 246-6577
FAX (248) 246-6580

MECHANICAL / ELECTRICAL / PLUMBING



CONSULTING
ENGINEERS
MECHANICAL
ELECTRICAL
PLUMBING
ENERGY

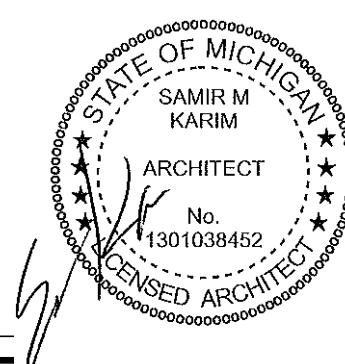
MEP Engineers
380 NORTH MAIN STREET
CLAWSON, MICHIGAN
PHONE (248) 488-9822
FAX (248) 488-9811
EMAIL: mep@mepmi.com
WEB: mepmi.com

CONTRACT RELATED DOCUMENTS (BUILDING ONLY):

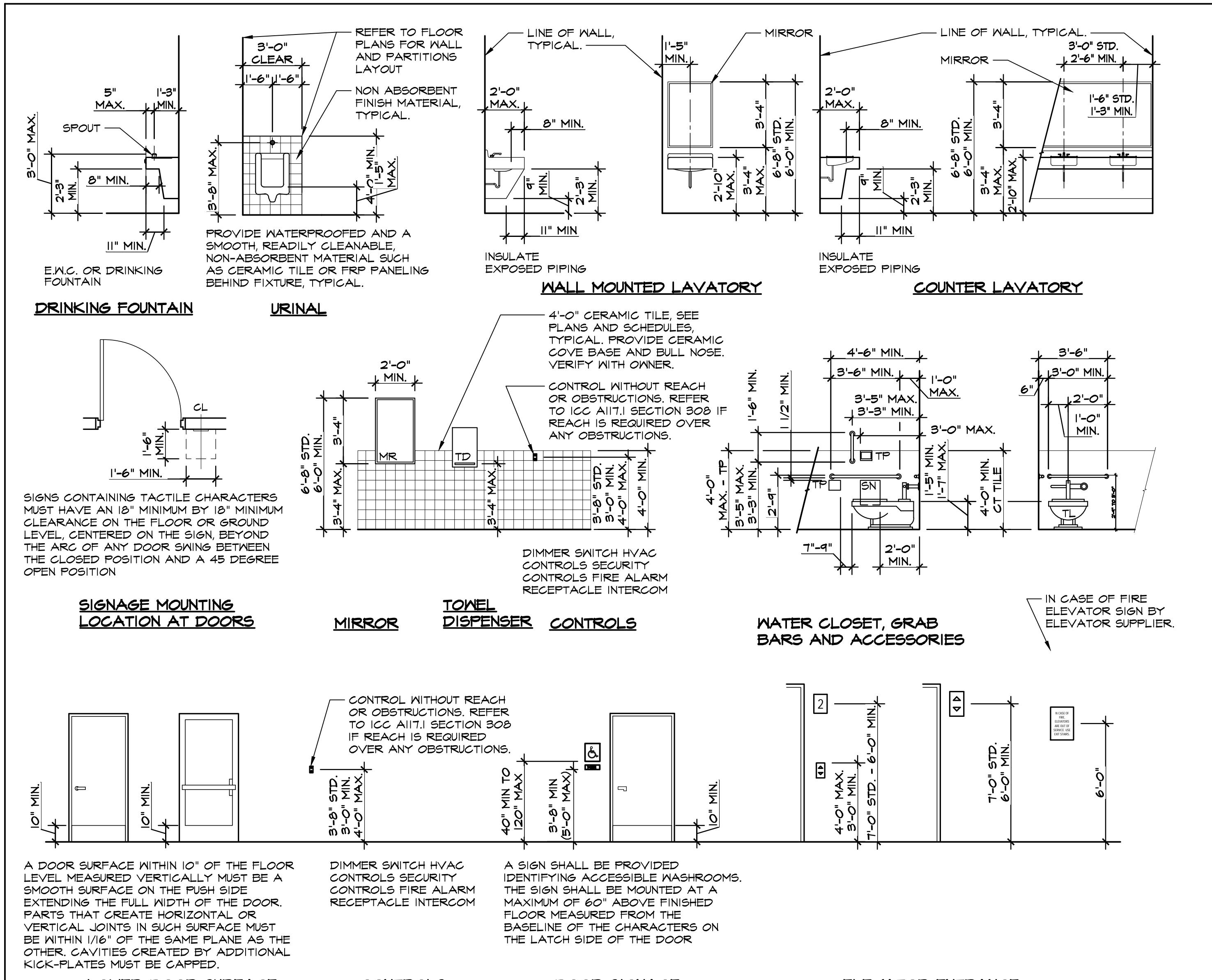
GEOTECHNICAL EXPLORATION AND ENGINEERING REPORT PEA ENGINEERS

PERMIT APPROVAL DOCUMENTS (PLAN REVIEW):

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS:
OFFICE _____ PROJECT NUMBER _____ DATE _____
BUREAU OF FIRE SERVICES _____
BUREAU OF CONSTRUCTION CODES _____
GC/CM TO INCLUDE AND PROVIDE TO ALL CONTRACTORS. _____



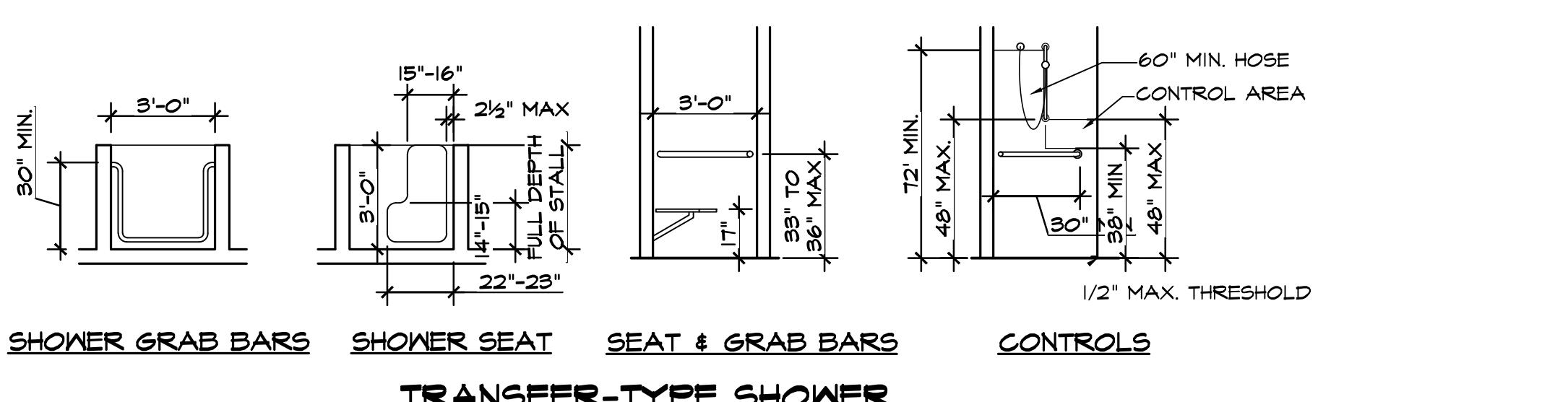
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A DOOR SURFACE WITHIN 10" OF THE FLOOR LEVEL MEASURED VERTICALLY MUST BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS THAT CREATE HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE MUST BE WITHIN 1/6" OF THE SAME PLANE AS THE OTHER CAVITIES CREATED BY ADDITIONAL KICK-PLATES MUST BE CAPPED.

LOWER DOOR SURFACE

TYPICAL RESTROOMS BARRIER FREE MOUNTING HEIGHTS AND REQUIREMENTS

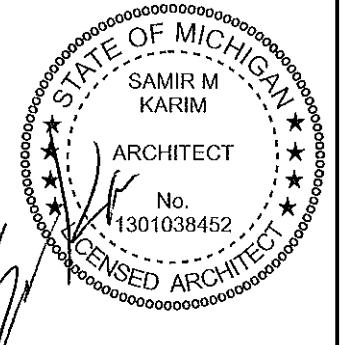


ABBREVIATIONS:

AFF	ABOVE FINISH FLOOR
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
ALUM	ALUMINUM
ANOD	ANODIZED
AT	ARCHITECTURAL TILE
BC	BOTTOM CHORD
BRD	BOARD
BFF	BELLOW FINISH FLOOR
BLK	BLOCK
BM	BEAM
BOT	BOTTOM OF
BOTF	BOTTOM OF FOOTING
BUL	BUILT UP
CAB	CABINET
C.B.	CATCH BASINS
C.D.	OLD
CER	CERAMIC
CFJ	CAST IRON JOINT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
C.O.	CLEAN OUT
CM	CONSTRUCTION MANAGER
CONC	CONCRETE
CONT	CONTINUOUS
DEPS	DIRECT APPLIED FINISH SYSTEM
DET	DETAIL
DIM	DIMENSION
DIA	DIAMETER
DL	DEAD LOAD
DN	DOWN
D.O.	DOOR OPENING
DS	DOWN SPOUT
DWS	DRAWING
E.C.	ELEC. CONTRACTOR
EF	EACH FACE
E.J.	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EXI	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
EW	EACH WAY
F&I	FURNISH AND INSTALL
FD	FLOOR DRAIN
FFE	FINISH FLOOR ELEVATION
FNT	FINISH
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOG	FACE OF GYPSUM
FOM	FACE OF MASONRY
FTG	FOOTING
GALV	GALVANIZED
GEN	GENERAL CONTRACTOR
GL	Glass
GRB	GRAB BAR
GYP	GYPSUM
HM	HOLLOWED METAL
HVAC	HEATING & VENT.
ID	INNER DIAMETER
INSUL	INSULATION
JST	JOIST
JOINT	JOINT
LD	LIVE LOAD
LP	LIGHT POLE
MAS	MATERIAL
MAX	MAXIMUM
MCM	METAL COMPOSITE
MFG	MANUFACTURER
MFR	MATERIAL
MIC	MINIMUM
M.O.	Masonry Opening
MTL	METAL
OC	ON CENTER
OD	OUTER DIAMETER
OPH	OPPOSITE HAND
NIC	NOT IN CONTRACT
NOT TO SCALE	NOT TO SCALE
PLATE	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PFT	PAINT
RA	RETURN AIR
REIN	REINFORCING
REQ	REQUIRED
RO	ROUGH OPENING
SA	SUPPLY AIR
SIM	SIMILAR
STL	STEEL
AASHO	AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
CRSI	CONCRETE REINFORCING SOCIETY INSTITUTE
MBC	MICHIGAN BUILDING CODE
MMC	MICHIGAN MECHANICAL CODE
MPC	MICHIGAN PLUMBING CODE
MEC	MICHIGAN ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
UL	UNDERWRITERS LABORATORIES

DRAWING INDEX		ISSUED FOR:
NO.	SHEET TITLE	● ISSUED ○ DELETED SHEET ☒ NEW SHEET
CIVIL	NOT INCLUDED	08/17/2022 PERMITS
A.000	COVER SHEET	●
A.001	DRAWING INDEX AND GENERAL INFORMATION	●
A.002	GENERAL INFORMATION AND SPECIFICATIONS	●
A.003	LIFE SAFETY PLAN AND INFORMATION	●
A.004	ARCHITECTURAL SITE PLAN	●
A.005	SITE LIGHTING PHOTOMETRIC	●
A.051	GENERAL INFORMATION AND SCHEDULES	●
A.052	GENERAL INFORMATION AND SCHEDULES	●
A.053	GENERAL INFORMATION AND SCHEDULES	●
A.101	GROUND LEVEL FLOOR PLAN	●
A.102	SECOND LEVEL FLOOR PLAN	●
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A.156	ENLARGED FLOOR PLANS AREA "D"	●
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A.201	BUILDING ELEVATIONS	●
A.202	BUILDING ELEVATIONS	●
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A.302	BUILDING SECTIONS	●
A.401	WALL SECTIONS	●
A.402	WALL SECTIONS	●
A.403	WALL SECTIONS	●
A.411	SECTION DETAILS	●
A.412	SECTION DETAILS	●
A.413	SECTION DETAILS	●
A.461	ELEVATOR SECTION	●
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A.601	GROUND LEVEL REFLECTED CEILING PLAN	●
A.651	ENLARGED REFLECTED CEILING PLAN AREA "A"	●
A.652	ENLARGED REFLECTED CEILING PLAN AREA "B"	●
A.653	ENLARGED REFLECTED CEILING PLAN AREA "C"	●
A.654	ENLARGED REFLECTED CEILING PLAN AREA "D"	●
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A.701	INTERIOR ELEVATIONS	●
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S.100	STRUCTURAL INFORMATION AND SPECIFICATIONS	●
S.101	FOUNDATION PLAN	●
S.102	FRAMING PLAN	●
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S.112	ENLARGED FOUNDATION PLANS AREA "B"	●
S.113	ENLARGED FOUNDATION PLANS AREA "C"	●
S.114	ENLARGED FOUNDATION PLANS AREA "D"	●
S.121	ENLARGED FRAMING PLANS AREA "A"	●
S.122	ENLARGED FRAMING PLANS AREA "B"	●
S.123	ENLARGED FRAMING PLANS AREA "C"	●
S.124	ENLARGED FRAMING PLANS AREA "D"	●
S.125	ENLARGED FRAMING PLANS AREA "A"	●
S.126	ENLARGED FRAMING PLANS AREA "D"	●
S.301	TYPICAL SECTIONS AND DETAILS	●
M.000	MECHANICAL LEGEND, SYMBOLS AND SHEET INDEX	●
M.100	OVERALL SANITARY & VENT PLUMBING GROUND LEVEL FLOOR PLAN	●
M.101	OVERALL SANITARY & VENT PLUMBING SECOND LEVEL FLOOR PLAN	●
M.102	PARTIAL SANITARY & VENT PIPING GROUND LEVEL FLOOR PLAN - AREA "D & C"	●
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DRAWING INDEX		ISSUED FOR:
NO.	SHEET TITLE	● ISSUED ○ DELETED SHEET ☒ NEW SHEET
M.107	PARTIAL DOMESTIC WATER & GAS PIPING GROUND LEVEL FLOOR PLAN - AREA "D & C"	●
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M.109	PARTIAL DOMESTIC WATER & GAS PIPING SECOND LEVEL FLOOR PLAN - AREA "D"	●
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M.201	OVERALL HVAC SECOND LEVEL FLOOR PLAN	●
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M.203	HVAC GROUND LEVEL ENLARGED FLOOR PLAN - AREA "C"	●
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M.401	MECHANICAL SCHEDULES 2	●
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M.403	MECHANICAL DETAILS (FOR REFERENCE ONLY)	●
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E100	ELECTRICAL NOTES & SYMBOLS	●
E101	ELECTRICAL SITE PLAN	●
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E201	GROUND LEVEL ENLARGED LIGHTING FLOOR PLAN - AREA "A"	●
E202	GROUND LEVEL ENLARGED LIGHTING FLOOR PLAN - AREA "B"	●
E203	GROUND LEVEL ENLARGED LIGHTING FLOOR PLAN - AREA "C"	●
E204	GROUND LEVEL ENLARGED LIGHTING FLOOR PLAN - AREA "D"	●
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E302	GROUND LEVEL ENLARGED POWER FLOOR PLAN - AREA "B"	●
E303	GROUND LEVEL ENLARGED POWER FLOOR PLAN - AREA "C"	●
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E305	POWER - 2ND FLOOR PLAN - AREA "D"	●
E306	POWER - ROOF PLAN	●
E400	ENLARGED KITCHEN POWER PLAN	●
E501	LIGHTING FIXTURE SCHEDULE & PANELS SCHEDULE	●
E502	POWER DISTRIBUTION RISER DIAGRAM & PANELS SCHEDULE	●
E503	PANELS SCHEDULE	●
E600	LIGHTING CONTROL DIAGRAMS	●
E700	ELECTRICAL DETAILS	●
FS-1	FOODSERVICE EQUIPMENT (FOR REFERENCE ONLY)	●
FS-2	FOODSERVICE ELECTRICAL (FOR REFERENCE ONLY)	●
FS-3	FOODSERVICE PLUMBING (FOR REFERENCE ONLY)	●
FS-4	FOODSERVICE BLOCKING (FOR REFERENCE ONLY)	●
1	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●
2	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●
3	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●
4	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●
5	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●
6	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●
7	FOODSERVICE EQUIPMENT DRAWINGS (FOR REFERENCE ONLY)	●

DRAWN:	SSA	DESIGNED:	GA	CHECKED:	GA
SCALE :					
FILE NAME :	22010_A001				
JOB # :	22010				
SHEET TITLE					
DRAWING INDEX AND GENERAL INFORMATION					
SHEET #					
 STATE OF MICHIGAN SAMIR M. KARIM No. 1301038452 LICENSED ARCHITECT A.001					

GENERAL CONDITIONS:

- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATIONS OF MATERIAL AND EQUIPMENT; THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. CONSTRUCTION MANAGER IS RESPONSIBLE FOR REVIEWING, COORDINATING AND APPROVING ALL WORK TO BE DONE BY CONTRACTORS. ANY SUBMITTAL TO ARCHITECT / ENGINEER SHALL BE REVIEWED BY THE C.M. BEFORE SUBMITTING TO ARCHITECT / ENGINEER.
- BUILDING SHALL BE FULLY FIRE SUPPRESSED IN ACCORDANCE WITH 2015 MBC AND ALL APPLICABLE CODES.
- SPRINKLER CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF FIRE SUPPRESSION SYSTEM FOR FIRE MARSHALS REVIEW AND APPROVAL.
- BUILDING SHALL HAVE A FIRE ALARM SYSTEM PER ELECTRICAL DRAWINGS AND THE SYSTEM SHALL COMPLY WITH 2015 MBC AND ALL APPLICABLE CODES.
- ALL EXTERIOR WOOD, PLYWOOD, ETC. SHALL BE PRESERVATIVE TREATED.
- CONSTRUCTION MANAGER AND THE CONTRACTORS SHALL COMPLY WITH ALL CODES CURRENTLY IN EFFECT IN THE CITY OF AUBURN HILLS AND THE STATE OF MICHIGAN.
- CONFORM TO A.I.A. DOCUMENT NO. A-201, LATEST EDITION, AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS, RULES AND REGULATIONS.
- ALL CONTRACTORS SHALL CARRY ADEQUATE INSURANCE OR OTHERWISE SECURE, PROTECT AND HOLD HARMLESS THE OWNER AND ITS AGENTS AND THE ARCHITECT/ENGINEER FROM ANY LIABILITY OR DAMAGE WHATSOEVER, FOR INJURY (INCLUDING DEATH) TO ANY PERSON OR PROPERTY.
- SUSPENDED ACOUSTICAL CEILING TILES AND GRID SYSTEM SHALL COMPLY NFPA 101-2012 AND MBC 2015.
- GRID WORK SHALL BE SUPPORTED WITH A MINIMUM OF 2-12 GA. HANGER WIRES TO STRUCTURE ABOVE.
- PROVIDE A KNOX BOX FOR FIRE DEPARTMENT ACCESS. LOCATE ON BUILDING, AS PER FIRE MARSHALL.
- INSTALL 6" HIGH ADDRESS NUMBERS WHICH ARE VISIBLE FROM THE STREET. VERIFY LOCATION WITH FIRE MARSHAL.
- ALL WALLS SHALL EXTEND UP TO AND BE SEALED TO THE UNDERSIDE OF FLOOR / ROOF DECK.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SIGNAGE PER SECTION II 104 OF THE 2015 MBC AND SECTION 703 OF THE ANSI A111.
- ALL PROTRUDING OBJECTS ON CIRCULATION PATHS SHALL COMPLY WITH SECTION 307 OF THE ANSI A111-2009.
- ANY RATED WALL THAT HAS PROTECTED OPENINGS OR PENETRATIONS SHALL BE PERMANENTLY IDENTIFIED ABOVE CEILING WITH SIGNS OR STENCILING @ NOT LESS THAN 30" O.C. ALONG THE HORIZONTAL DIMENSION. LETTERS SHALL NOT BE LESS THAN 0.5" IN HT. AND CONTAIN THE WORDS "FIRE & SMOKE BARRIER-PROTECT ALL OPENINGS". ALL PENETRATIONS IN WALLS FOR PIPING.
- ALL PENETRATIONS IN RATED WALLS SHALL BE SEALED w/ APPLICABLE FIRE RATED SEALANT, STOP, OR OTHER APPROVED METHOD PER I.F.C. 2012. ANY PENETRATIONS SHALL BE SEALED WITH FIRE RATING EQUIVALENT TO PENETRATED SYSTEM.
- A PORTABLE FIRE EXTINGUISHER MUST BE PRESENT DURING CONSTRUCTION PERMANENT PORTABLE FIRE EXTINGUISHER LOCATIONS TO BE DETERMINED PER I.F.C. AND FIELD BUILDING INSPECTOR.
- FIRESTOPPING SHALL BE TESTED IN ACCORDANCE WITH ASTM E-814 TEST STANDARDS. CONTRACTOR TO SUBMIT TEST REPORT ATTACHED WITH THE SUBMITTAL COVER SHEET FOR EACH APPLICATION, I.E., FOR EACH KIND OF CONSTRUCTION (RATED FLOOR/CEILING RATED WALLS/ETC.) BEFORE INSTALLATION. FIRESTOPPING INSTALLATION SHALL NOT BE CONCEALED WITH FINAL CONSTRUCTION UNTIL APPROVED BY BUILDING INSPECTOR.
- ALL HAZARDOUS ROOMS TO HAVE DOOR CLOSURE AND SHALL BE SMOKE TIGHT ENCLOSURES IN JANITOR CLOSETS, MECHANICAL / ELECTRICAL ROOMS AND STORAGE ROOMS.
- DO NOT SCALE DRAWINGS. USE GIVEN DIMENSIONS ONLY. DIMENSIONS ARE NOT FACED DRAWINGS. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATION OF MATERIAL AND EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING, COORDINATING AND APPROVING ALL WORK TO BE DONE BY SUB CONTRACTORS. ANY SUBMITTAL TO ARCHITECT / ENGINEER SHALL BE REVIEWED BY THE G.C. BEFORE SUBMITTING TO ARCHITECT / ENGINEER. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR IS RESPONSIBLE FOR CONSULTING WITH THE TENANT AND OWNER BEFORE CONTINUING WITH THE WORK FOR POSSIBLE REDESIGN.
- VERIFY LOCATION OF ALL EQUIPMENT AND VERIFY SIZES, WALL OPENINGS, AND SUPPORT REQUIREMENTS. WITH MANUFACTURER, PROVIDE OPENINGS, BRACING AND REINFORCEMENT AS REQUIRED BY MANUFACTURER.
- CONSTRUCTION MANAGER WILL SUPPLY SECURED STAGING AREA AND OFFICE TRAILER.
- CONSTRUCTION MANAGER WILL COMPLY WITH ENVIRONMENTAL AGENCIES.
- CONSTRUCTION MANAGER WILL SUPPLY TOILET FACILITIES FOR ALL TRADES.
- CONSTRUCTION MANAGER WILL COMPLY WITH DEMATERIALIZATION AS NECESSARY.
- CONSTRUCTION MANAGER WILL BE RESPONSIBLE TO KEEP A CLEAN SITE AT ALL TIMES.
- TEMPORARY BRACING, GUYING AND TIE DOWNS OF THE STRUCTURE DURING ERECTION SHALL BE THE RESPONSIBILITY OF THE ERECTOR AND CONTRACTOR(S). THE ENGINEER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR THE ABSENCE, PRESENCE OR ADEQUACY OF ANY TEMPORARY BRACING. ALL EXISTING STRUCTURES THAT MAY BE AFFECTED BY THE NEW CONSTRUCTION SHALL BE BRAZED AND PROTECTED AS REQUIRED.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS (UNLESS NOTED OTHERWISE).
- ALL FURRED/ STUDPED WALLS SHALL HAVE FIRE BLOCKING AS REQUIRED BY CODE.
- VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. VERIFY ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS. IN THE EVENT OF DISCREPANCY, NOTIFY THE G.C. AND/OR THE ARCHITECT AND OBTAIN RESOLUTION BEFORE PROCEEDING. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO PERFORM THE WORK AS INTENDED BY THE CONTRACT DOCUMENTS. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT.
- ALIGN PARTITIONS WITH FACE OF OTHER PARTITIONS OR COLUMNS, UNLESS NOTED OTHERWISE. THE FACE OF EVERY PARTITION SHALL BE FLUSH WITHOUT OFFSETS. CHANGES IN PARTITION THICKNESS SHALL OCCUR AT CORNERS, PARTITION INTERSECTIONS OR OTHER FEATURES WHICH INTERRUPT THE PLANE OF THE PARTITION. FACE OF CORRIDOR PARTITIONS SHALL BE FLUSH FOR THE ENTIRE LENGTH OF THE CORRIDOR REGARDLESS OF CHANGES IN PARTITION THICKNESS. ALL ADJUSTMENTS SHALL BE MADE TO THE ROOM SIDE OF THE CORRIDOR PARTITION AND AT CORNERS.
- ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO THE APPROPRIATE STANDARDS IN ACCORDANCE WITH TABLE 2506.2 MBC 2015.
- REFER TO INTERIOR FINISHES REQUIREMENT ON LIFE SAFETY SHEET A.091. ALL INTERIOR FINISHES SHALL HAVE A CLASS C FLAME SPREAD OF 76 TO 200 AND A SMOKE DEVELOPMENT INDEX NOT GREATER THAN 450 IN ACCORDANCE WITH ASTM E84 OR UL 723. ALL INTERIOR CARPET INCLUDING THOSE IN EXIT ENCLOSURES SHALL COMPLY WITH MBC SECTION 204. DOC FF-1 "PILL TEST" (SPEC 16 CFR, PART 1630) CONTRACTOR TO PROVIDE COMPLETE DOCUMENTATION TO FIELD INSPECTOR. FLOOR FINISH SHALL MEET A MIN. OF CLASS II FOR THE MIN. CRITICAL RADIANT FLUX INCLUDING THOSE IN EXIT ENCLOSURES. ALL FLOOR FINISHES SHALL BE IN ACCORDANCE WITH NFPA 253.

GENERAL CONDITIONS (CONTINUED):

- ALL EXPOSED INSULATION SHALL HAVE A CLASS A FLAME SPREAD NOT GREATER THAN 25 AND A SMOKE DEVELOPMENT NOT GREATER THAN 450 IN ACCORDANCE WITH ASTM E84 REQUIREMENTS. OWNER TO PROVIDE DOCUMENTATION.
- ALL EXIT DOORS & MEANS OF EGRESS DOORS SHALL BE SIDE HINGED, NON-LOCKING & SWING IN DIRECTION OF EGRESS.
- ALL PLYWOOD, WOOD BLOCKING & NAILERS TO BE NON COMBUSTIBLE.
- INFILL AROUND ALL EXTERIOR WALL PENETRATIONS. FLASH WITH METAL & RUBBER AND SEAL TIGHT AT WALL.
- "EXIT" SIGNS SHALL HAVE RED LETTERS AT LEAST 6" HIGH AND THE MINIMUM WIDTH OF EACH STROKE SHALL BE 3/4" ON A WHITE BACKGROUND OR IN OTHER APPROVED DISTINGUISHABLE COLOR. THE WORD "EXIT" EXCEPT THE LETTER "I" SHALL HAVE LETTERS HAVING A WIDTH NOT LESS THAN 2 INCHES AND THE MINIMUM SPACING BETWEEN LETTERS SHALL NOT BE LESS THAN 3/8" OF AN INCH. SIGNS LARGER THAN THE MINIMUM SIZE REQUIRED SHALL HAVE LETTERS WIDTH AND SPACING IN THE SAME PROPORTION TO THE HEIGHT AS INDICATED IN THIS CODE. IF AN ARROW IS PROVIDED AS PART OF AN EXIT SIGN, THE CONSTRUCTION SHALL BE SUCH THAT THE ARROW CAN NOT BE READILY CHANGED. THE WORD "EXIT" SHALL BE CLEARLY DISCERNIBLE WHEN THE SIGN IS ILLUMINATION MEANS IS NOT ENERGIZED.
- MIN. AVERAGE ILLUMINATION OF 10 FOOTCANDLES IS REQUIRED AT A HEIGHT OF 30' AFF OVER THE AREA OF ALL ROOMS
- PROVIDE TYVEK DRAWRAP SHEET FOR ALL E.F.I.S. WORK INDICATED ON DRAWINGS.

SITE WORK:

REFER TO CIVIL DRAWINGS FOR ALL SITE INFORMATION. CIVIL DRAWINGS SHALL OVERRIDE THE SITE NOTES IN THIS SECTION.

- PLACE FOUNDATIONS ON UNDISTurbed SOIL, U.N.O. VERIFY IN THE FIELD BY TEST AS REQUIRED THE BEARING CAPACITY UNDER FOOTINGS.
- WHERE FOOTINGS CHANGE ELEVATIONS, STEP DOWN FOOTINGS ON FIRM BEARING AT THE RATE OF ONE FOOT VERTICAL TO TWO FEET HORIZONTAL.
- STEP DOWN ALL FOOTINGS ADJACENT TO SUMPS, PITS, SEWERS, TANKS, EXISTING UNDERGROUND WORK, ETC., AND WHEREVER PRESSURE PLANE OF FOOTINGS MAY BE CUT BY DEEPER EXCAVATION. DROP THE FOOTING DOWN TO THE BOTTOM OF THE EXCAVATION FOR SUCH WORK TO FIRM BEARING.
- ALL CONTINUOUS REINFORCING BARS SHALL BE LAPPEd AS PER TENSION EMBEDMENT OR TENSION CLASS "C" SPLICE LENGTH, LAP CONTINUOUS TOP REINFORCING AT CENTER OF SPAN AND BOTTOM REINFORCING AT SUPPORTS. TERMINATE TOP BARS AT NON-CONTINUOUS END WITH STANDARD HOOK.
- REMOVE ALL EXCESS MATERIAL OFF THE SITE. REMOVE ALL TOP SOIL, BRUSH, ROOTS, TREES, RUBBISH AND ALL OBSTRUCTIONS TO THE WORK FROM THE AREAS OF BOTH CUT AND FILL. REMOVE EXISTING FILL WITHIN BUILDING AREA AND REPLACE WITH COMPACTED SAND FILL AS REQUIRED.
- PRIOR TO BACKFILLING TRENCHES OR FILLING EMBANKMENTS AT THE BUILDING AREA PRO ROLL THE AREA WITH A 10 TON TRUCK LOADED WITH SOIL. ANY AREA UNDER THE WHEEL THAT SHOWS A DEPRESSION MORE THAN ONE INCH SHALL BE REMOVED TWO FOOT DEEP AND REPLACED WITH APPROVED FILL MATERIAL FREE OF ORGANIC MATERIAL AND WITH GRAIN SIZE LESS THAN 2 INCHES AND WITH GRADATION THAT CAN BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D-157.
- AND SHALL BE COMPACTED IN 6 INCH LOOSE LIFTS TO 95% MAXIMUM DENSITY PER ASTM D-157 AND THE REMAINING 12 INCH SPACE SHALL BE FILLED WITH CRUSHED AGGREGATE MDOT-22A COMPACTED IN 6 INCH LAYERS TO 98% MAXIMUM DENSITY PER ASTM D-157. ALL COMPACTION SHALL BE SUPERVISED BY A COMPETENT TESTING LABORATORY RETAINED BY THE CONTRACTOR AND APPROVED BY THE ARCHITECT.
- BACKFILL AGAINST GRADE BEAMS OR WALLS SHALL CONSIST OF GRANULAR FILL FREE OF ORGANICS AND NO MORE THAN 3 PERCENT SILT OR CLAY WITH PARTICLE SIZE LESS THAN 4 INCHES IN DIAMETER AND PASSING NO 4 SIZE BY 25 TO 10 PERCENT NOTIFY ARCHITECT/ENGINEER IF POOR SOIL CONDITIONS ARE FOUND AT THE SITE. BACKFILL SHALL BE PLACED IN 6 INCH LOOSE LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-157 ON BOTH SIDES OF THE STRUCTURE BY HAND COMPACTION. HEAVY COMPACTION ROLLERS SHALL BE KEPT 10 FEET CLEAR OF THE STRUCTURE.
- NO FROZEN MATERIAL SHALL BE USED AS FILL AND NO FILL SHALL BE PLACED ON FROZEN GROUND.
- USE ONLY CLEAN COMPACTED SAND UNDER THE FLOOR SLAB AND PAVED AREAS WHERE AGGREGATE BASE COURSE IS NOT SPECIFIED. PLACE FOUNDATIONS ON UNDISTurbed SOIL, U.N.O. VERIFY IN THE FIELD BY TEST AS REQUIRED THE BEARING CAPACITY UNDER FOOTINGS.
- WHERE FOOTINGS CHANGE ELEVATIONS, STEP DOWN FOOTINGS ON FIRM BEARING AT THE RATE OF ONE FOOT VERTICAL TO TWO FEET HORIZONTAL. WALL AND PIER FOOTINGS SHALL BE A MIN. OF 12 INCH THICK AND SHALL PROJECT A MINIMUM OF 6" BEYOND THE FACE OF WALLS, PIERS, STACKS, ETC.
- UNLESS OTHERWISE NOTED, PROVIDE (2) #5 ADDITIONAL BARS AROUND ALL OPENINGS IN WALL OR SLAB. EXTEND BARS 2 FEET BEYOND OPENING IN TO THE WALL OR SLAB.
- PLACE SLAB ON GRADE IN CHECKERBOARD PATTERN OR IN AN ALTERNATE LANES. CONSTRUCTION JOINTS OR CONTROL JOINTS SHALL BE PROVIDED SPACED NO GREATER THAN 20 FEET, UNLESS SHOWN OTHERWISE.
- SLAB ON GRADE SHALL BE 5" THICK WITH SMOOTH FLOAT FINISH.
- CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING SIZE, LENGTH, AND LOCATION OF REINFORCING INTENDED POURING SEQUENCE AND LOCATION OF CONSTRUCTION JOINTS TO ARCHITECT FOR REVIEW.
- BEFORE PLACING THE PIT MAT SPREAD AT NO COST TO THE OWNER ONE 94 LB. BAG OF DRY CEMENT PER 3 SY OF AREA AT THE BOTTOM OF THE EXCAVATION WHENEVER THE SOIL AT THE BOTTOM IS COMPOSED OF MORE THAN 16 PERCENT SILT AS DETERMINED BY THE TESTING AGENCY.

FOUNDATION & EARTH WORK

- FOOTINGS SHALL BEAR ON THE FIRM UNDISTurbed SOIL WITH A SAFE NET CAPACITY OF 1500 PSF. IF SOIL OF THIS CAPACITY IS NOT FOUND AT THE ELEVATIONS INDICATED, FOOTINGS SHALL BE ENLARGED OR LOWERED AT THE DIRECTION OF THE ENGINEER. VERIFY FOUNDATION SOIL BEARING PRESSURE IN FIELD BY SOILS ENGINEER.
- EXCAVATION OF FILLS, ORGANIC MATERIALS AND OTHER UNSUITABLE MATERIAL IS TO BE REMOVED UNTIL THE MIN. SOIL BEARING IS OBTAINED PER AN ONSITE SOILS ENGINEER. PAD FOOTING IS TO EXTEND TO THAT POINT. IF WATER IS ENCOUNTERED DURING EXCAVATION, CONTRACTOR TO CONSULT WITH DEMATERIALIZATION CONTRACTOR FOR RECOMMENDATIONS.
- ALL FOOTINGS SHALL BE PLACED ONTO COMPAKTED SUB GRADE OR ENGINEERED FILL (95% MINIMUM DENSITY AT OPTIMUM MOISTURE CONTENT). FOOTING ELEVATIONS SHOWN DESIGNATE A MINIMUM DEPTH OF FOOTINGS WHERE A SAFE SOIL BEARING PRESSURE OF 3000 PSF FOR COLUMNS AND WALL FOOTINGS IS EXPECTED. UNDERCUT AND PROVIDE ENGINEERED FILL AS NECESSARY TO ACHIEVE BEARING CAPACITY INDICATED.
- ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND CERTIFIED. CONTRACTOR TO SUBMIT TESTING REPORT TO CITY.
- NO FOOTINGS SHALL BE PLACED ONTO OR AGAINST SUB GRADES CONTAINING FROST OR ICE. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHORS, BOLTS, INSERTS, ETC.
- AFTER EXCAVATING FOR ALL EARTH-SUPPORTED FLOOR AND STAIR SLABS, THE EXPOSED NATURAL SOIL SHALL BE THOROUGHLY COMPAKTED PRIOR TO PLACING FILL.

DESIGN LOADS:

THE STRUCTURE IS DESIGN FOR THE FOLLOWING LIVE LOADS, IN ADDITION TO THE LATERTAL LOADS AND SUPERIMPOSED DEAD LOADS AND SELF-WEIGHT OF THE STRUCTURE.
BUILDING OCCUPANCY CATEGORY: II
LIVE LOADS:
1. ROOF SNOW LOAD:
A. GROUND SNOW LOAD: 25 PSF
B. FLAT ROOF SNOW LOAD (PI): (MIN ROOF LOAD): 20 PSF
C. SNOW EXPOSURE FACTOR (Ge): 1.0
D. SNOW LOAD IMPORTANCE FACTOR (I): 1.0
E. THERMAL FACTOR (Gt): 1.0
F. ADDITIONAL LOADING DUE TO DRIFTING AT CHANGES IN ROOF ELEVATIONS AND ICE AT OVERHANGS PER APPLICABLE CODE.
ROOF DEAD LOAD: 15 PSF
TOTAL ROOF DESIGN LOAD: 35 PSF

SECOND FLOOR DESIGN LOADS:

- DEAD LOAD 65 PSF
- LIVE LOAD (CLASSROOMS): 60 PSF
- LIVE LOAD (HALLWAYS): 100 PSF

WIND LOAD:

- BASIC WIND SPEED (3-SECOND GUST): 115 MPH
- RISK CATEGORY FACTOR: II
- EXPOSURE CATEGORY: A
- INTERNAL PRESSURE COEFFICIENT: +/- 0.18
- MAIN FORCE RESISTING STRUCTURAL SYS (EQUIVALENT STATIC FORCE): 6 MIN UNIFORM: 16 PSF

EARTHQUAKE DATA:

- OCCUPANCY CATEGORY: II
- MAPPED SPECTRAL RESPONSE ACCELERATION Ss=0.085g & Si=0.044g
- SITE CLASS: D
- SPECTRAL RESPONSE COEFFICIENTS SdS=0.091g & SDi=0.071g
- SEISMIC DESIGN CATEGORY A
- SECTION II.7 (ASCE-10) DESIGN REQUIREMENT FOR SDC A
- DESIGN BASE SHEER Fx=0.01kN
- Cs=SdS / (Ra)
- RESPONSE MODIFICATION FACTOR R=5
- SECTION II.7 (ASCE-10) DESIGN REQUIREMENT FOR SDC A

STRUCTURAL STEEL:

- ALL EXPOSED STEEL SHALL BE MEET ARCHITECTURALLY EXPOSED STRUCTURAL STEEL A352-2 OR AS NOTED FOR AISC STANDARDS.
- THE STRUCTURAL INTEGRITY OF THE BUILDING SHOWN ON THESE PLANS IS DEPENDENT UPON COMPLETION ACCORDING TO THE PLANS AND SPECIFICATIONS. STRUCTURAL MEMBERS ARE NOT SELF-BRACING UNTIL PERMANENTLY AFFIXED TO THE STRUCTURE AS DIRECTED. THE ARCHITECT/STRUCTURAL ENGINEERS ASSUME NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION, MEANS AND METHODS OF CONSTRUCTION AND JOB SITE SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTORS.
- ALL CONTINUOUS REINFORCING BARS SHALL BE LAPPEd AS PER TENSION EMBEDMENT OR TENSION CLASS "C" SPLICE LENGTH, LAP CONTINUOUS TOP REINFORCING AT CENTER OF SPAN AND BOTTOM REINFORCING AT SUPPORTS. TERMINATE TOP BARS AT NON-CONTINUOUS END WITH STANDARD HOOK.
- ALL REINFORCING STEEL SHALL BE DEFORMED BARS GRADE 60 CONFORMING TO THE LATEST EDITION OF ASTM A-615/A 615M-00 OR ASTM-616 AND HAVE A MINIMUM YIELD STRENGTH OF 60000 PSI
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A25-85 USING COLD DRAWN WIRE CONFORMING TO ASTM A82-01.
- UNLESS OTHERWISE NOTED, MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE 3/4 INCH FOR SLABS, 1.5 INCH FOR BEAMS, COLUMNS AND PIERS, AND 1 INCH FOR WALLS. ALL CONCRETE EXPOSED TO WEATHER OR EARTHFLUID SHALL HAVE A MINIMUM COVER OF 1.5 INCHES FOR #8 BARS OR SMALLER, 2 INCH FOR BARS LARGER THAN #5 AND 3 INCH FOR CONCRETE PLACED AGAINST EARTH.
- ALL STRUCTURAL STEEL CONSTRUCTION TO CONFORM TO AISC-360 "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND AISC CODE OF STANDARD PRACTICE, UNLESS MODIFIED.
- ALL DETAILING FABRICATION AND ERECTION SHALL CONFORM TO MBC SECTION 2204 CODE, THE LATEST EDITION OF "AISC SPECIFICATION FOR STRUCTURAL FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND BRIDGES."
- CONTRACTOR TO USE AISC SPECIFICATIONS FOR THE MANUFACTURE OF ALL STRUCTURAL STEEL MEMBERS WITH TENSILE YIELD STRENGTH FY = 50 KSI, AND WHICH SHALL CONFORM TO ASTM A-992 STANDARDS, AND SHALL SUBMIT SHOP DRAWINGS. ALL STRUCTURAL STEEL SHALL BE ASTM A-992 (UNLESS NOTED OTHERWISE) HAVING FY=50,000 PSI.
- STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B OR ASTM A501. SEE DRAWING FOR EACH APPLICATION.
- ALL DRAWINGS SHOW THE INTENT AND CONCEPT OF THE CONNECTIONS BUT NOT THE DETAIL OF BOLTS AND WELDS. ALL CONNECTIONS NOT DETAILED SHALL BE DESIGNED, DETAILED AND MANUFACTURED BY THE FABRICATOR.
- SHOP CONNECTIONS SHALL BE WELDED FIELD CONNECTIONS USE ETXX ELECTRODES, RUN PARALLEL TO THE TENSION MEMBERS, AND USE HIGH STRENGTH BOLTS WITH WASHER AND NUT.
- FIELD BOLT CONNECTIONS WITH ASTM A-325 OR ASTM A-490.
- PROVIDE PERIMETER STEEL ANGLES FOR METAL ROOF DECK SUPPORT AS REQUIRED, INCLUDING AROUND ALL ELEVATORS, STAIRS, AND OPENINGS IN FLOOR OR ROOF.
- ALL WELDING TO CONFORM TO AIA'S D11 "STRUCTURAL WELDING CODE", E 70 XX LOW HYDROGEN ELECTRODES CONFORMING TO AWS SPECIFICATION A5.1 SHALL BE USED FOR WELDING.
- ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS USING ELECTRIC ARC METHODS IN ACCORDANCE WITH LATEST EDITION OF "AWS CODE FOR WELDING IN BUILDING CONSTRUCTION." ETXX ELECTRODES TO BE USED.
- UNLESS OTHERWISE NOTED, ALL FIELD CONNECTIONS SHALL BE FASTENED WITH 3/4 INCH DIAMETER ASTM A325-X, BEARING TYPE (WITH THREADS EXCLUDED FROM SHEAR PLANE) BOLTS.
- UNLESS OTHERWISE SHOWN, ALL BEAM END CONNECTIONS SHALL BE DESIGNED TO SUPPORT ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN AISC MANUAL FOR GIVEN BEAM, SPAN AND END GRADE OF STEEL SPECIFIED. FOR COMPOSITE BEAM CONNECTIONS SHALL BE DESIGNED FOR THREE-FOURTHS OF THE TOTAL UNIFORM LOAD CAPACITY.
- ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-307-00.
- MINIMUM CONNECTION SHALL BE 3/4 INCH DIAMETER BOLTS OR A WELD DEVELOPING A FORCE OF 10 KIPS.
- PAINT ONE COAT OF PRIMER ON ALL EXPOSED SURFACES EXCEPT FOR THE FOLLOWING SURFACES WHICH WILL NOT BE PAINTED:
A. SURFACES THAT ARE IN CONTACT WITH CONCRETE.
B. CONTACT SURFACES IN FRICTION TYPE CONNECTIONS.
C. SURFACES WHICH METAL FLOOR DECK AND/OR SHEAR STUDS ARE TO BE WELDED.
D. SURFACES TO BE WELDED SHALL NOT BE PAINTED WITHIN THREE INCHES OF THE WELD.
- THE CONTRACTOR SHALL FURNISH AND INSTALL STEEL ANGLES WITH ANCHORS AT MECHANICAL CURBS WHERE INDICATED.
- FLOOR AND ROOF OPENINGS ARE TO BE FRAMED WITH STEEL ANGLES AS INDICATED. FRAMES TO BE CONNECTED TO THE PANEL POINTS OF BAR JOISTS OR GIRDER AND TRUSSES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL ANGLES, PLATES, BARS, CLIPS, ETC., ATTACHED TO STRUCTURAL STEEL. VERIFY EXACT SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS WITH CONTRACTOR INVOLVED.
- PROVIDE "DUR-O-WALL" RE-STEE; USE NO. 8 LADDER TYPE ONLY. BLOCKWORK - EVERY 24" STEEL FABRICATOR TO PROVIDE SHOP DRAWINGS FOR ARCHITECTS APPROVAL PRIOR TO FABRICATION. THE SHOP DRAWINGS SHALL INCLUDE CONNECTION DETAILS FOR ALL STRUCTURAL STEEL MEMBERS. SPECIFY THAT STEEL JOIST AND JOIST GIRDER STRUCTURAL.
- NO COMBUSTIBLES IN PLENUM SPACE

SPECIAL INSPECTIONS:

BUILDER SHALL BE SELECT AND PROVIDE A THIRD PARTY TESTING AGENCY - PER SECTION. I705 MBC 2015.
THE SPECIAL INSPECTIONS SHALL INCLUDE:
SECTION I705.2 STEEL CONSTRUCTION
SECTION I705.3 CONCRETE CONSTRUCTION
SECTION I705.4 MASONRY CONSTRUCTION
SECTION I705.6 SOILS

REINFORCING STEEL:

- DETAILING AND PLACING OF REINFORCING SHALL CONFORM TO AIC MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
- SECURE REBAR AND HOLD IN PLACE WITH GALVANIZED METAL ACCESSORIES, OR PLASTIC BOOTED CHAIRS.
- ALL RE-STEEL SHALL BE INTERMEDIATE GRADE NEW BILLET STEEL, ASTM 15.
- PLACE (2) #5 BARS CONTINUOUS IN TOP AND BOTTOM OF ALL WALL FOOTINGS, GRADE BEAMS, AND AT THE SIDES OF ALL OPENINGS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- UNLESS NOTED, ROOF DECK SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A100, 33 KSI.
- LOADS SHALL NOT BE HUNG FROM ROOF DECK.
- METAL DECK TO BE CONNECTED TO SUPPORTING MEMBERS AS PER RECOMMENDATION BY SDI OR AS SPECIFIED.
- THE CONTRACTOR SHALL FURNISH ALL ACCESSORIES INCLUDING CLOSURES, "Z" CLOSURES, COLUMN CLOSURES, SCREW ANGLES AND GIRDERS, AS REQUIRED.
- ROOF DECK SHALL HAVE MANUFACTURER'S STANDARD RUST INHIBITIVE PAINT.
- METAL DECK SHALL BE CONTINUOUS OVER THREE SPANS WHEREVER INDICATED. SINGLE AND DOUBLE SPANS SHALL COMPLY WITH "STEEL DECK" REQUIREMENT.
- ALL METAL DECKING SHALL BE WELDED TO THE STEEL BEAM WITH A 3/4 INCH PLUG WELD AT THE FLUTES NOT EXCEEDING 12 INCHES APART.
- ALL INTERIOR ROOF Sumps SHALL HAVE AN OVER FLOW 3" ABOVE ROOF SURFACE

METAL DECK:

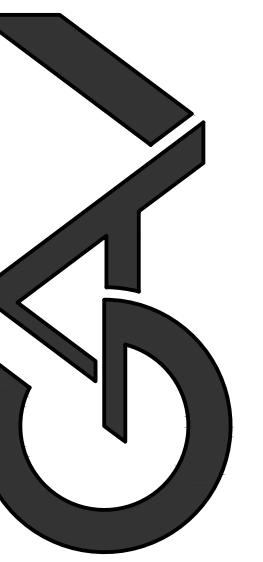
- METAL DECK SHALL CONFORM TO ALL REQUIREMENTS OF "BASIC DESIGN SPECIFICATION" AS ADOPTED BY THE STEEL DECK INSTITUTE (SDI).
<li

ISSUED FOR DATE
PERMITS 08/17/2022

ARCHITECTURAL DESIGN

RESIDENTIAL COMMERCIAL INDUSTRIAL

G.A.V. ASSOCIATES, INC.
24001 ORCHARD LAKE RD., STE. 180A
FARMINGTON HILLS, MI 48336
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ACADEMY
4050 COOLIDGE HWY
TROY, MI 48098
586-365-5000

NOOR INTERNATIONAL ACADEMY
4050 COOLIDGE HWY
TROY, MI 48098

DRAWN: S.101 DESIGNED: GA CHECKED: GA

SCALE : NO SCALE

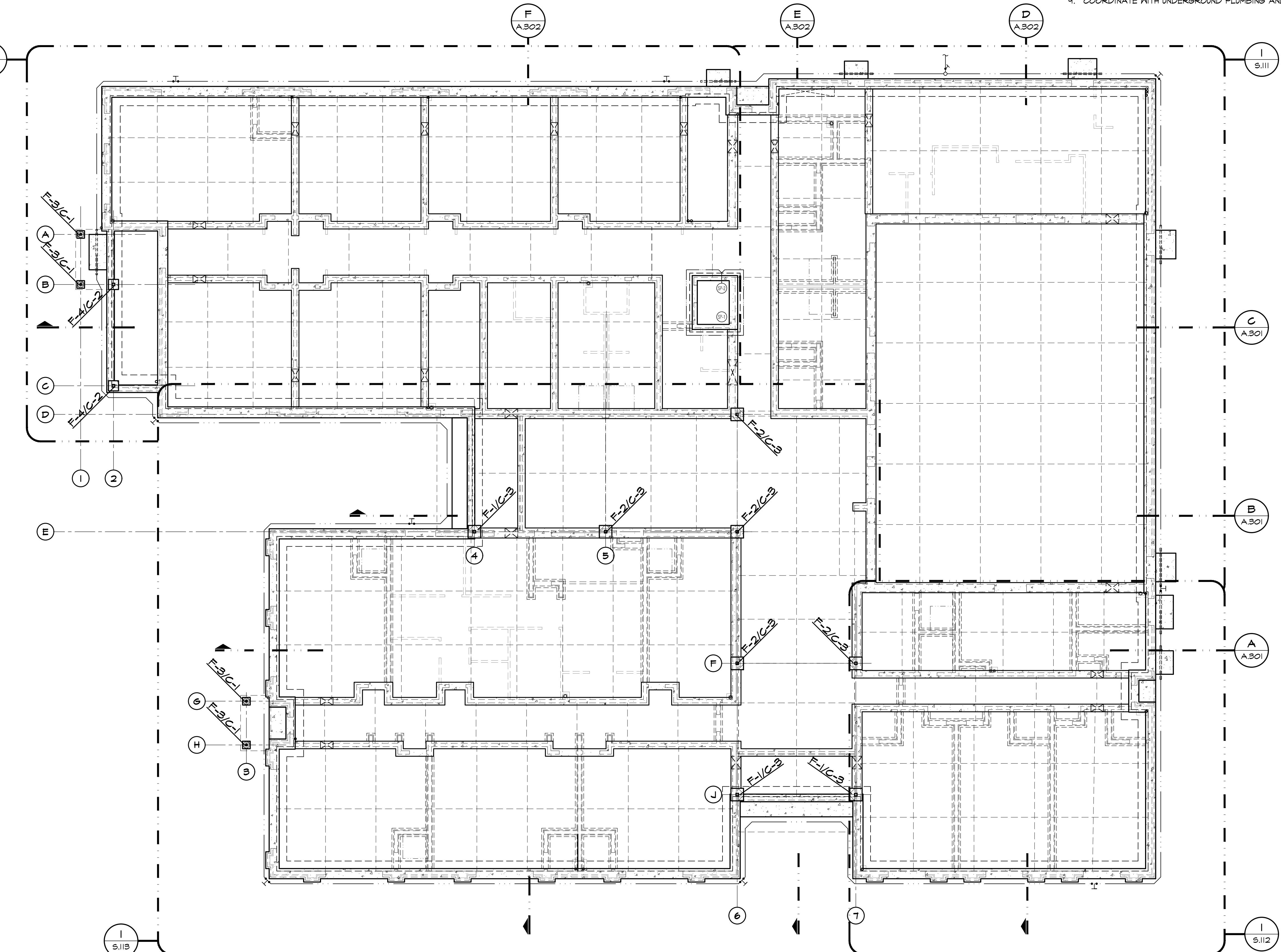
FILE NAME : 22010_S101

JOB # : 22010

SHEET TITLE FOUNDATION PLAN

SHEET #

S.101



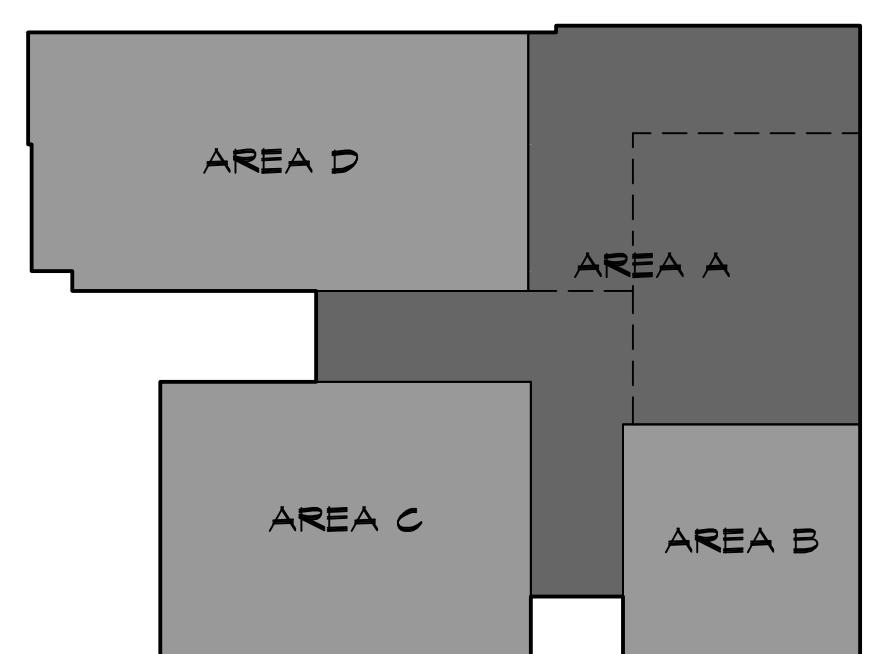
NORTH
S.101 FOUNDATION PLAN
SCALE: 9/32" = 1'-0"

A. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. TYPICAL.
B. COORDINATE ALL DIMENSIONS WITH FLOOR PLANS AND NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
C. DIMENSIONS WITH * DENOTES WALL ABOVE DIMENSION AND OFFSET.

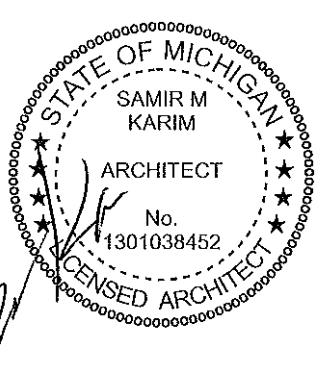
FOUNDATIONS NOTES:
1. OVERLAP BAR REINFORCEMENT A MINIMUM OF 3'-0" AT ALL FOOTING CORNERS.
2. ALL WALL FOOTINGS TO HAVE #5 @ 48" OR 32" O.C. DOWELS TO BE 2'-0" INTO FOOTING AND 3'-0" ABOVE.
3. SOIL BEARING PRESSURE 3,000 PSF.
4. PROVIDE CONTINUOUS WATER STOP AT ALL BELOW GRADE CONCRETE JOINTS INCLUDING ELEVATOR PIT, TYPICAL.
5. PROVIDE FOUNDATIONS BELOW GRADE WATER PROOFING MEMBRANE AND PROTECTION BOARD AT ALL EXTERIOR FOUNDATIONS UP TO GRADE WITH DRAIN TILE AROUND BUILDING PERIMETER. COORDINATE WITH MECHANICAL AND CIVIL.
6. BOTTOM OF EXTERIOR FOOTING / FOUNDATIONS SHALL BE A MINIMUM OF 42" BELOW GRADE.
7. COORDINATE ROOF CONDUCTORS WITH PLUMBING, ROOFING AND CONCRETE FOUNDATION CONTRACTORS.
8. PROVIDE MASS POUR FROST FOOTINGS AT ALL ENTRY DOORS.
9. COORDINATE WITH UNDERGROUND PLUMBING AND CIVIL.

COLUMNS FOOTINGS SCHEDULE:		
MARK	SIZE (LxWxD)	REINFORCEMENT U.NO.
F-1	2'-6" x 2'-6" x 3'-6"	#5 @ 6" OC E.W. @ T & B
F-2	2'-6" x 2'-6" x 1'-0"	#5 @ 6" OC E.W. @ BOTTOM
F-3	1'-6" x 1'-6" x 3'-6"	#4 @ 6" OC E.W. @ T & B
F-4	2'-0" x 2'-0" x 3'-6"	#4 @ 6" OC E.W. @ T & B

FORMED FOUNDATIONS SCHEDULE		
MARK	SIZE (WxD)	REINFORCEMENT U.NO.
FD-1	2'-4" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-1A	2'-4" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 32" OC
FD-2	2'-2" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-3	2'-0" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-4	1'-6" x 3'-6"	3 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-5	2'-0" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC
FD-6	1'-6" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC



KEY PLAN
NO SCALE



ISSUED FOR	DATE
PERMITS	08/17/2022

ARCHITECTURAL DESIGN

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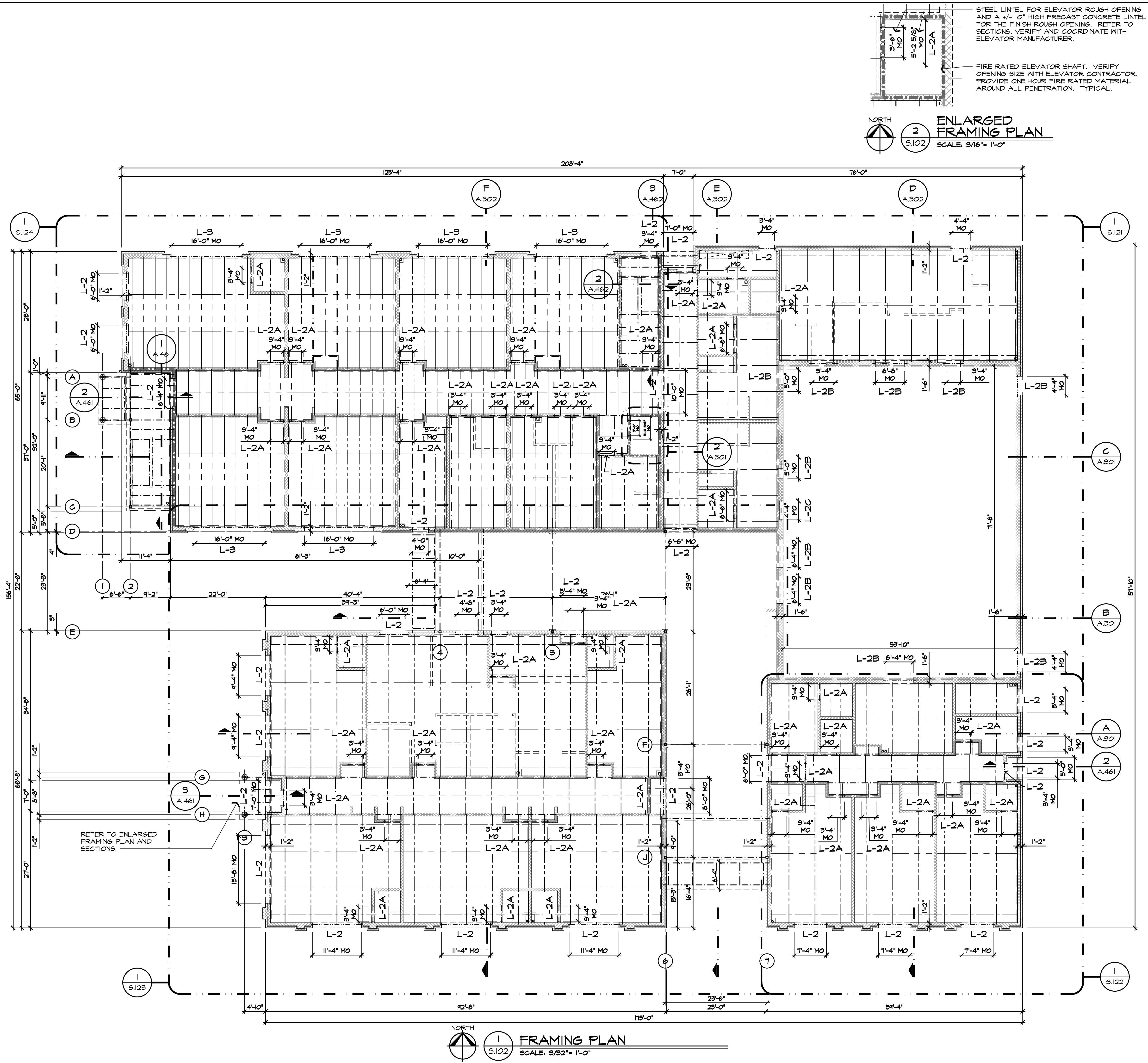
NOOR INTERNATIONAL
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TROY, MI 48098

DRAWN:	DESIGNED:	CHECKED:
S.102	GA	GA
SCALE :		
FILE NAME : 22010_S102		
JOB # : 22010		
SHEET TITLE		
FRAMING PLAN		
SHEET #		
S.102		



STATE OF MICHIGAN
SAMIR M. KARIM
ARCHITECT
No. 1301038452
LICENSED ARCHITECT



ISSUED FOR	DATE
PERMITS	08/17/2022

ARCHITECTURAL DESIGN

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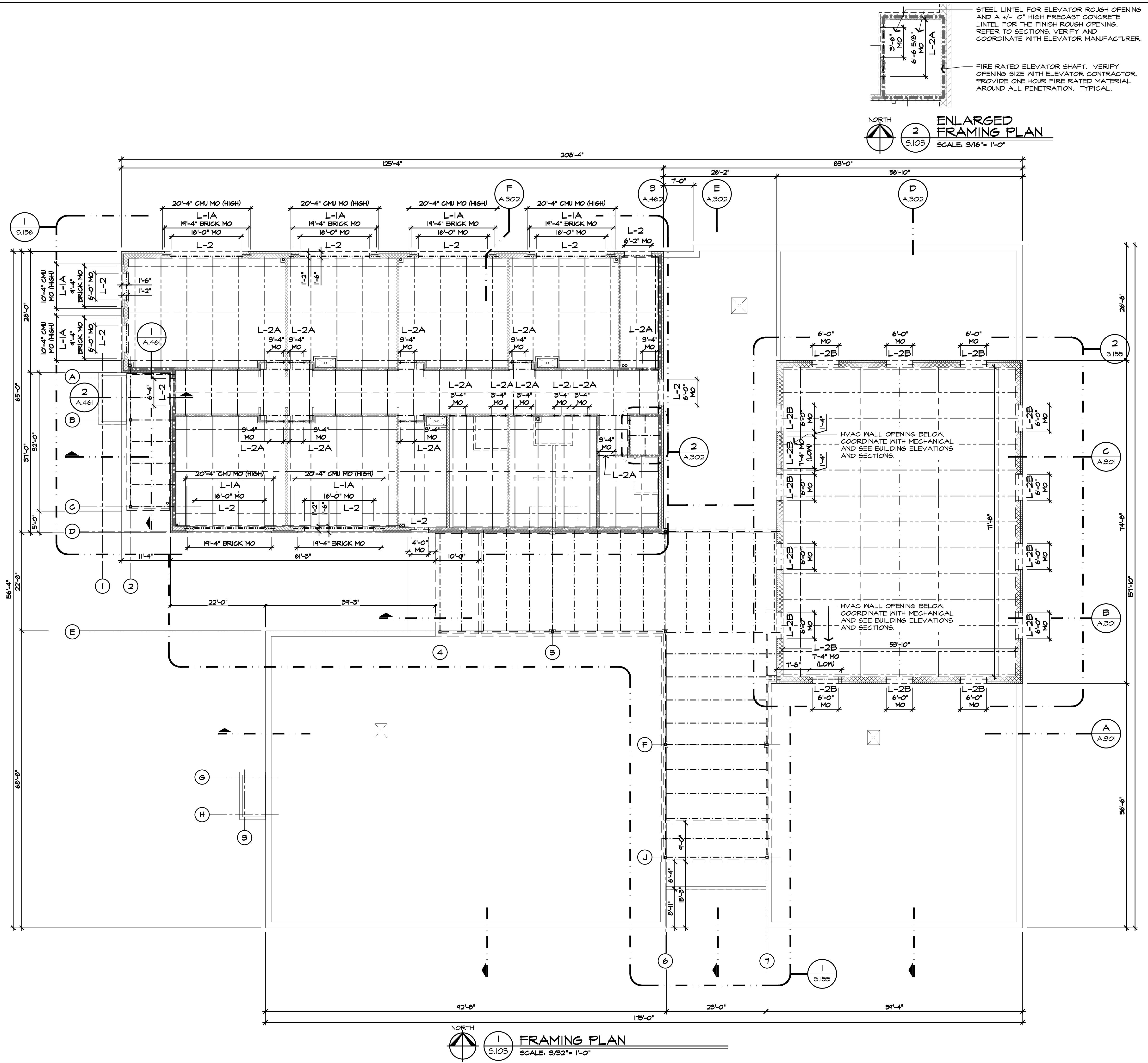


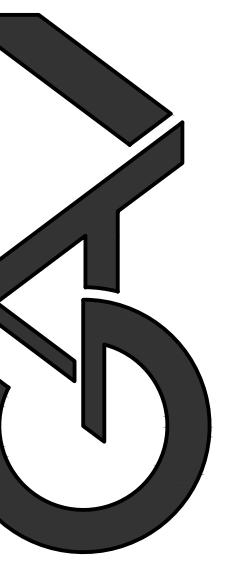
NOOR INTERNATIONAL
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TROY, MI 48098

DRAWN:	DESIGNED:	CHECKED:
S.102	GA	GA
SCALE :		
FILE NAME : 22010_S103		
JOB # : 22010		
SHEET TITLE FRAMING PLAN		
SHEET # S.103		

STATE OF MICHIGAN
SAMIR M. KARIM
ARCHITECT
No. 1301038452
LICENSED ARCHITECT



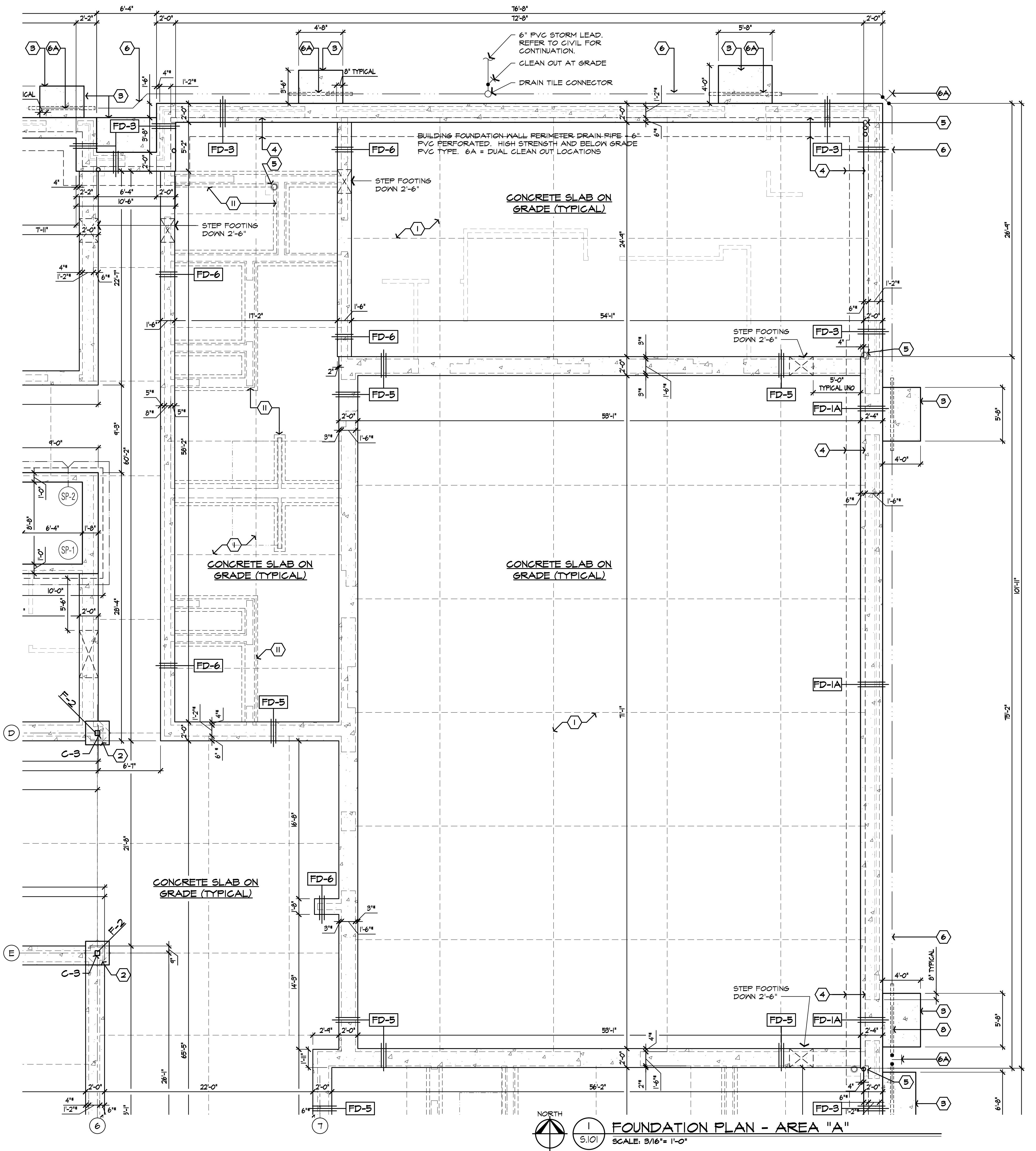


ASSOCIATES

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4050 COOLIDGE HLY
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DRAWN: S.101 DESIGNED: GA CHECKED: GA
SCALE : NO SCALE
FILE NAME : 22010_S101
JOB #: 22010
SHEET TITLE FOUNDATION PLAN - AREA "A"
SHEET # S.101
STATE OF MICHIGAN
SAMIR M. KARIM
No. 1301038452
LICENSED ARCHITECT



FOUNDATIONS NOTES:

- OVERLAP BAR REINFORCEMENT A MINIMUM OF 3'-0" AT ALL FOOTING CORNERS.
- ALL WALL FOOTINGS TO HAVE #5 @ 48" O.C. DOWELS TO BE 2'-0" INTO FOOTING AND 3'-0" ABOVE.
- SOIL BEARING PRESSURE 3,000 PSF.
- PROVIDE CONTINUOUS WATER STOP AT ALL BELOW GRADE CONCRETE JOINTS INCLUDING ELEVATOR PIT, TYPICAL.
- PROVIDE FOUNDATIONS BELOW GRADE WATER PROOFING MEMBRANE AND PROTECTION BOARD AT ALL EXTERIOR FOUNDATIONS UP TO GRADE WITH DRAIN TILE AROUND BUILDING PERIMETER. COORDINATE WITH MECHANICAL AND CIVIL.
- BOTTOM OF EXTERIOR FOOTING / FOUNDATIONS SHALL BE A MINIMUM OF 42" BELOW GRADE.
- COORDINATE ROOF CONDUCTORS WITH PLUMBING, ROOFING AND CONCRETE FOUNDATION CONTRACTORS.
- PROVIDE MASS POUR FROST FOOTINGS AT ALL ENTRY DOORS.
- COORDINATE WITH UNDERGROUND PLUMBING AND CIVIL.

A. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. TYPICAL.
B. COORDINATE ALL DIMENSIONS WITH FLOOR PLANS AND NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
C. DIMENSIONS WITH * DENOTES WALL ABOVE DIMENSION AND OFFSET.

CONCRETE SLAB ON GRADE

4" CONCRETE WITH 6X6-W2.9XW2.9 W.W.F. PLACED AT MID DEPTH ON 10 MIL VAPOR BARRIER ON 12" COMPAKTED GRANULAR FILL OVER 95% COMPACTED ENGINEERED SUBGRADE. G.C. TO VERIFY CONCRETE INSTALLATION TIMING. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE RECOMMENDATIONS.

FOUNDATIONS NOTES:

- OVERLAP BAR REINFORCEMENT A MINIMUM OF 3'-0" AT ALL FOOTING CORNERS.
- ALL WALL FOOTINGS TO HAVE #5 @ 48" OR 32" O.C. DONELS TO BE 2'-0" INTO FOOTING AND 3'-0" ABOVE.
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- PROVIDE CONTINUOUS WATER STOP AT ALL BELOW GRADE CONCRETE JOINTS INCLUDING ELEVATOR PIT, TYPICAL.
- PROVIDE FOUNDATIONS BELOW GRADE WATER PROOFING MEMBRANE AND PROTECTION BOARD AT ALL EXTERIOR FOUNDATIONS UP TO GRADE WITH DRAIN TILE AROUND BUILDING PERIMETER. COORDINATE WITH MECHANICAL AND CIVIL.
- BOTTOM OF EXTERIOR FOOTING / FOUNDATIONS SHALL BE A MINIMUM OF 42" BELOW GRADE.
- COORDINATE ROOF CONDUCTORS WITH PLUMBING, ROOFING AND CONCRETE FOUNDATION CONTRACTORS.
- PROVIDE MASS POUR FROST FOOTINGS AT ALL ENTRY DOORS.
- COORDINATE WITH UNDERGROUND PLUMBING AND CIVIL.

COLUMNS FOOTINGS SCHEDULE:

MARK	SIZE (LxWxD)	REINFORCEMENT U.NO.
F-1	2'-6" x 2'-6" x 3'-6"	#5 @ 6" OC E.W. @ T & B
F-2	2'-6" x 2'-6" x 1'-0"	#5 @ 6" OC E.W. @ BOTTOM
F-3	1'-6" x 1'-6" x 3'-6"	#4 @ 6" OC E.W. @ T & B
F-4	2'-0" x 2'-0" x 3'-6"	#4 @ 6" OC E.W. @ T & B

FORMED FOUNDATIONS SCHEDULE

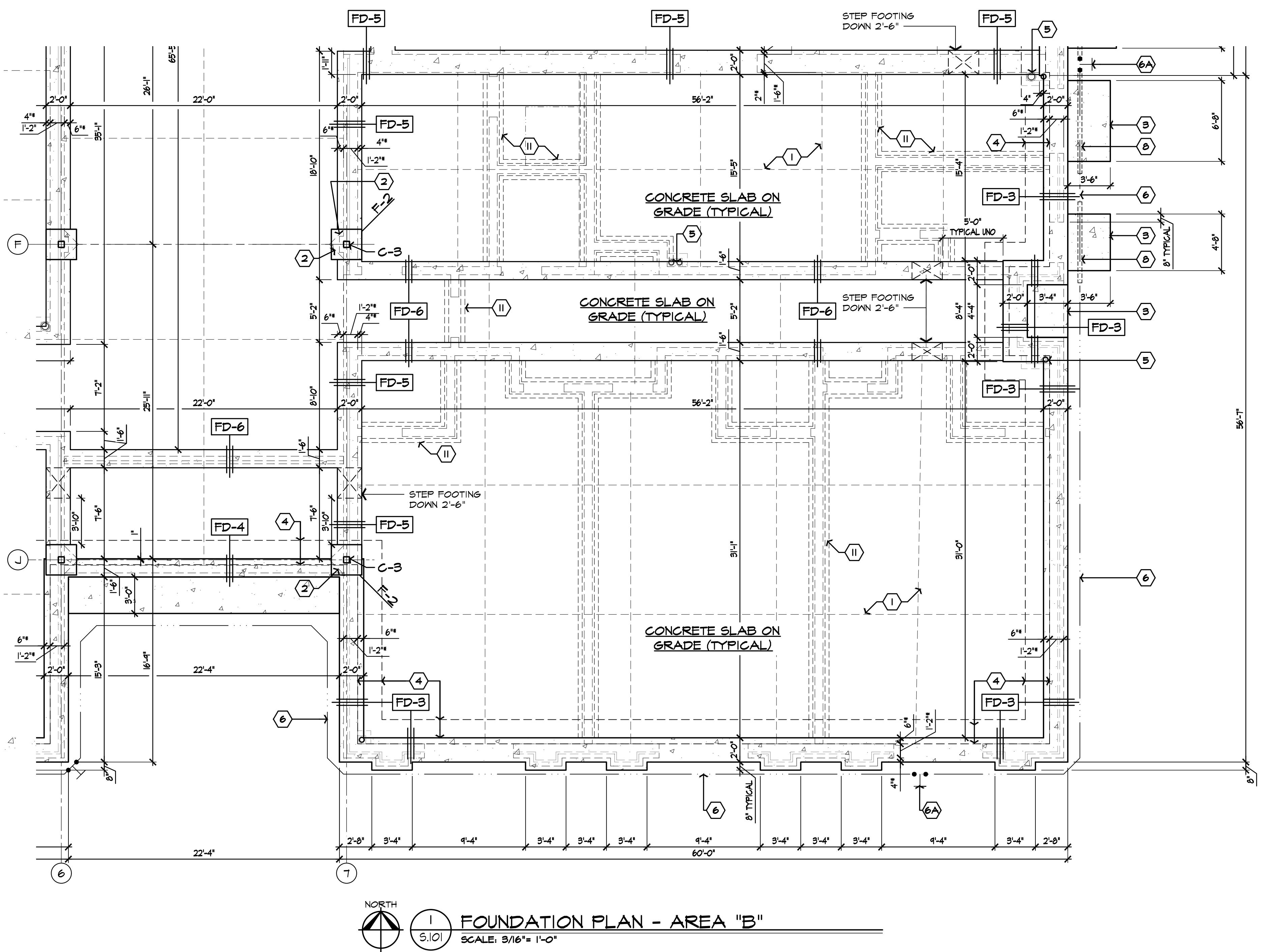
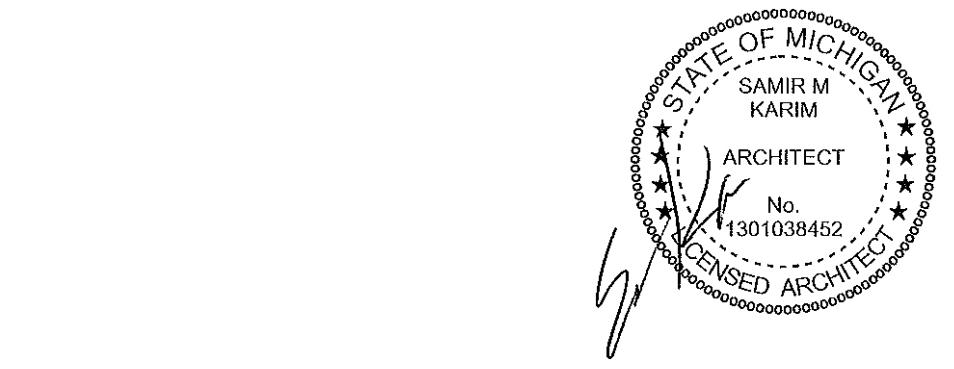
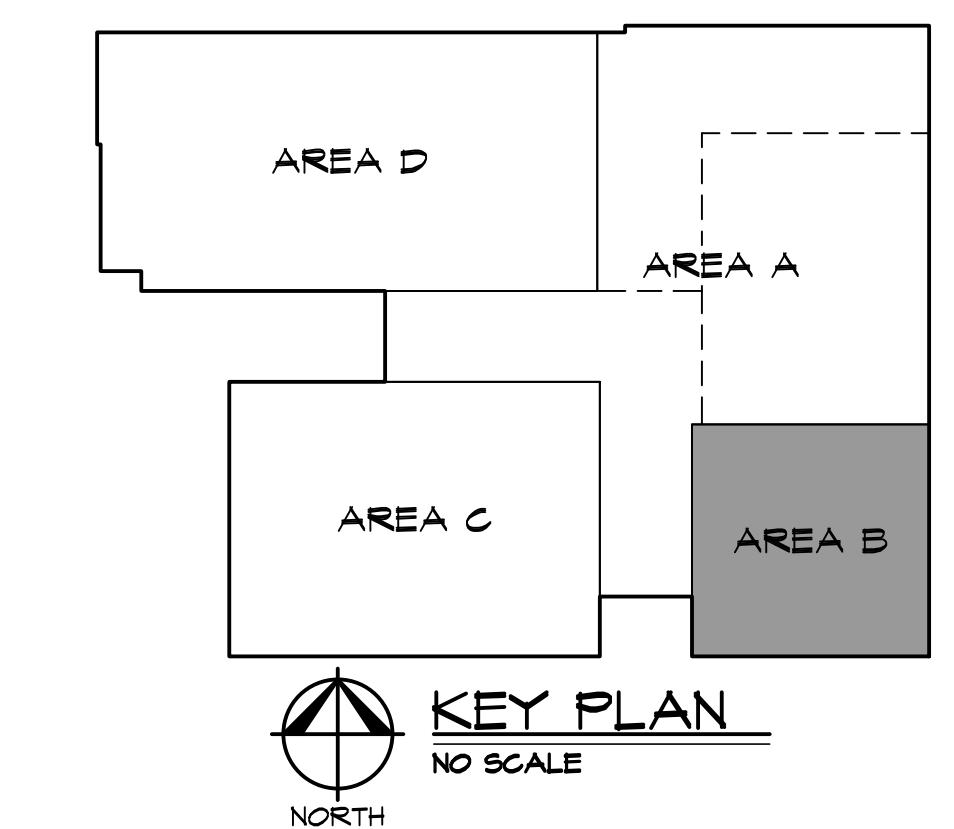
MARK	SIZE (WxD)	REINFORCEMENT U.NO.
FD-1	2'-4" x 3'-6"	4 #5 @ T & B WITH #5 DOWELSS AT 48" OC
FD-1A	2'-4" x 3'-6"	4 #5 @ T & B WITH #5 DOWELSS AT 32" OC
FD-2	2'-2" x 3'-6"	4 #5 @ T & B WITH #5 DOWELSS AT 48" OC
FD-3	2'-0" x 3'-6"	4 #5 @ T & B WITH #5 DOWELSS AT 48" OC
FD-4	1'-6" x 3'-6"	3 #5 @ T & B WITH #5 DOWELSS AT 48" OC
FD-5	2'-0" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC
FD-6	1'-6" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC

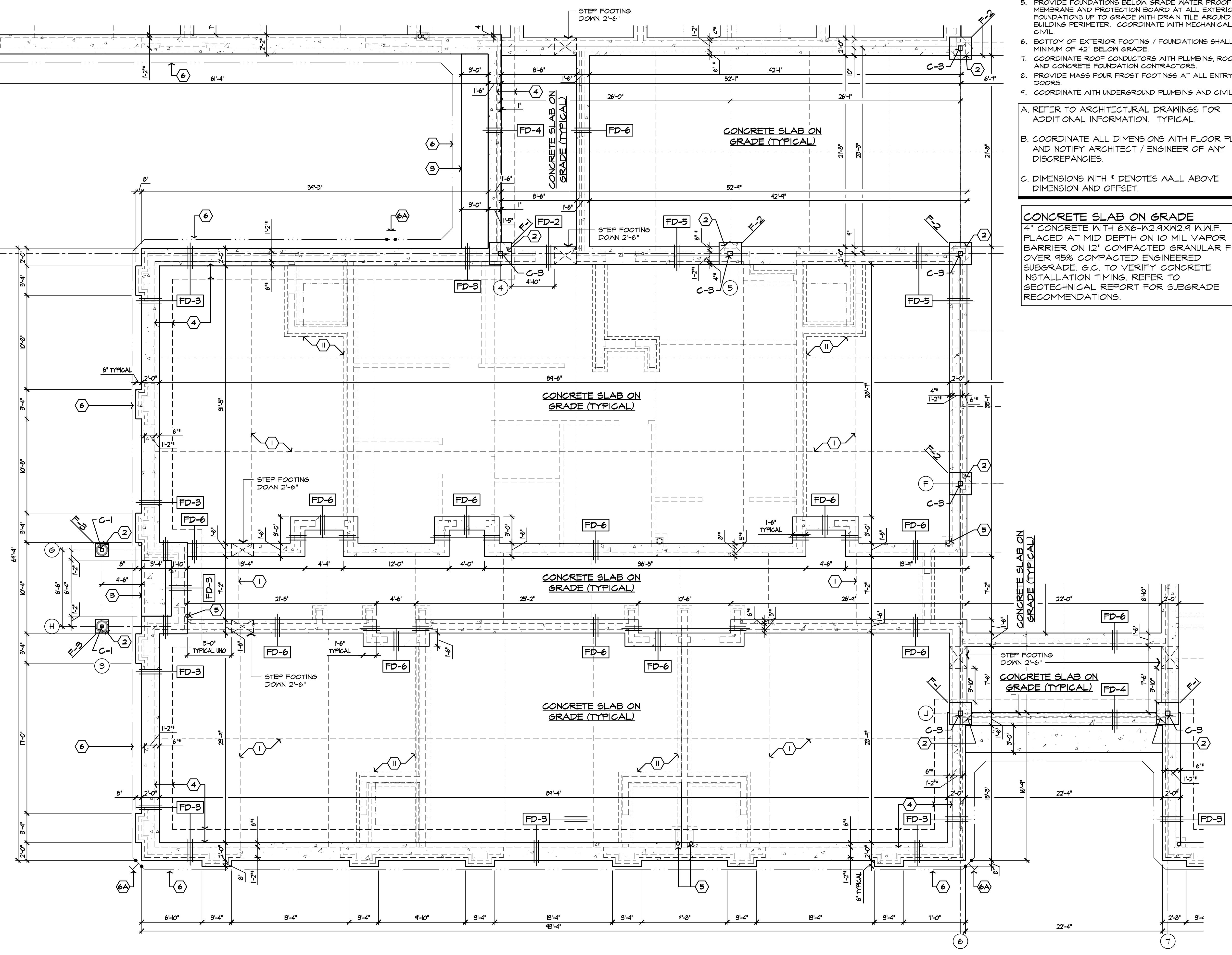
CONCRETE SLAB ON GRADE

4" CONCRETE WITH 6X6-W2.9XW2.9 W.W.F. PLACED AT MID DEPTH ON 10 MIL VAPOR BARRIER ON 12" COMPACTED GRANULAR FILL OVER 95% COMPAKTED ENGINEERED SUBGRADE. G.C. TO VERIFY CONCRETE INSTALLATION TIMING. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE RECOMMENDATIONS.

FOUNDATION PLANS NOTE LEGEND:

- (1) CONTROL JOINT AND/OR CONSTRUCTION JOINT @ 15'-0" O.C. MAX. PROVIDE PVC WATER STOPS AT ALL JOINTS. TYPICAL.
- (2) PROVIDE DIAMOND PATTERN ISOLATION JOINT AT COLUMNS. PROVIDE PVC WATER STOPS AT ALL JOINTS. TYPICAL.
- (3) MASS CONCRETE POUR FROST FOOTING AT ALL EXTERIOR DOORS. SEE DETAILS. TYPICAL.
- (4) 2"X24" PERIMETER R-10 RIGID INSULATION UNDER SLAB, TYPICAL.
- (5) ROOF CONDUCTOR DOWN TO UNDERGROUND STORM PIPE. REFER TO AND COORDINATE WITH MECHANICAL AND CIVIL, TYPICAL.
- (6) BUILDING FOUNDATION WALL PERIMETER DRAIN PIPE - 6" PVC PERFORATED, HIGH STRENGTH AND BELOW GRADE PVC TYPE. 6A = DUAL CLEAN OUT LOCATIONS
- (7) ELEVATOR PIT FOUNDATION WALL PERIMETER DRAIN PIPE - 4" PVC PERFORATED, HIGH STRENGTH AND BELOW GRADE PVC TYPE.
- (8) DRAIN PIPE THRU CONCRETE SLEEVE - EXTRA STRONG SLEEVE WITH A MINIMUM 1" COMPRESSIBLE MATERIAL AROUND THE MAIN DRAIN PIPE. EXTEND 12" BEYOND CONCRETE ON BOTH SIDES.
- (9) SUMP PUMP AND PIT FOR ELEVATOR PIT FOUNDATION WALL PERIMETER DRAIN PIPE. 24" DIAMETER X 36" DEEP WITH GALVANIZED STEEL GRATING COVER. REFER TO ELECTRICAL AND MECHANICAL. TYPICAL.
- (10) SUMP PUMP AND PIT FOR ELEVATOR SHAFT. 24" DIAMETER X 36" DEEP WITH GALVANIZED STEEL GRATING COVER. REFER TO ELECTRICAL AND MECHANICAL. TYPICAL.
- (II) THICKENED SLAB: 8" THICK X 12' WIDE WITH 2 #5 CONTINUOUS BARS AT BOTTOM. TYPICAL.





FOUNDATIONS NOTES:

1. OVERLAP BAR REINFORCEMENT A MINIMUM OF 3'-0" AT ALL FOOTING CORNERS.
2. ALL WALL FOOTINGS TO HAVE #5 @ 48" OR 32" O.C. DOWELS TO BE 2'-0" INTO FOOTING AND 3'-0" ABOVE.
3. SOIL BEARING PRESSURE 3,000 PSF.
4. PROVIDE CONTINUOUS WATER STOP AT ALL BELOW GRADE CONCRETE JOINTS INCLUDING ELEVATOR PIT, TYPICAL.
5. PROVIDE FOUNDATIONS BELOW GRADE WATER PROOFING MEMBRANE AND PROTECTION BOARD AT ALL EXTERIOR FOUNDATIONS UP TO GRADE WITH DRAIN TILE AROUND BUILDING PERIMETER. COORDINATE WITH MECHANICAL AND CIVIL.
6. BOTTOM OF EXTERIOR FOOTING / FOUNDATIONS SHALL BE A MINIMUM OF 42" BELOW GRADE.
7. COORDINATE ROOF CONDUCTORS WITH PLUMBING, ROOFING AND CONCRETE FOUNDATION CONTRACTORS.
8. PROVIDE MASS POUR FROST FOOTINGS AT ALL ENTRY DOORS.
9. COORDINATE WITH UNDERGROUND PLUMBING AND CIVIL.

COLUMNS FOOTINGS SCHEDULE.

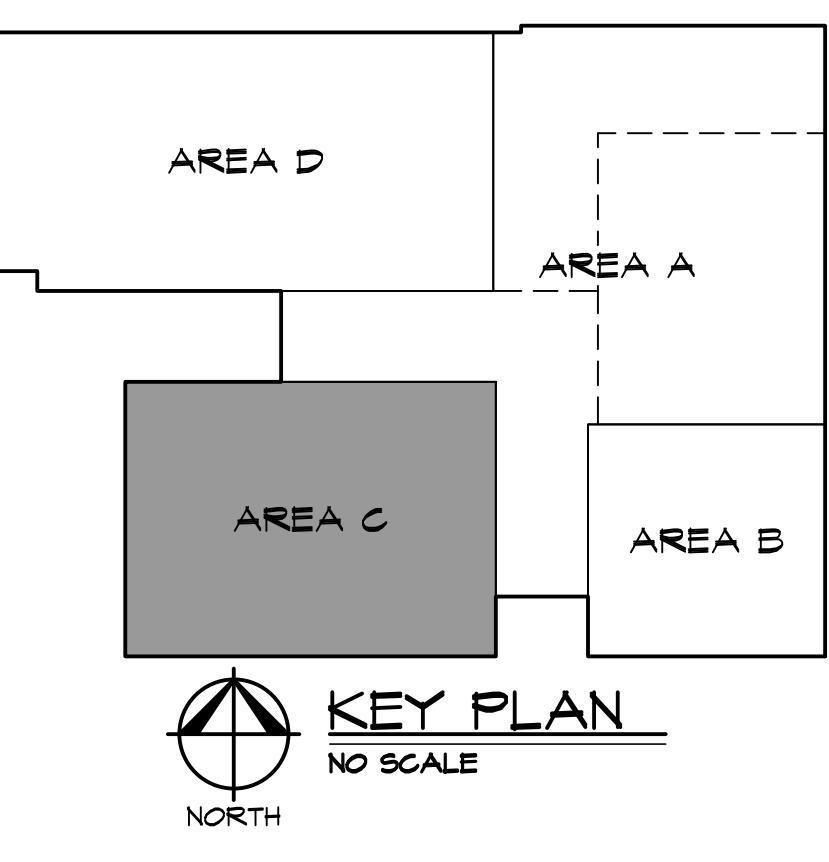
MARK	SIZE (LxWxD)	REINFORCEMENT U.NO.
F-1	2'-6" x 2'-6" x 3'-6"	#5 @ 6" OC E.W. @ T & B
F-2	2'-6" x 2'-6" x 1'-0"	#5 @ 6" OC E.W. @ BOTTOM
F-3	1'-6" x 1'-6" x 3'-6"	#4 @ 6" OC E.W. @ T & B
F-4	2'-0" x 2'-0" x 3'-6"	#4 @ 6" OC E.W. @ T & B

FORMED FOUNDATIONS SCHEDULE

MARK	SIZE (WxD)	REINFORCEMENT U.NO.
FD-1	2'-4" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-1A	2'-4" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 32" OC
FD-2	2'-2" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-3	2'-0" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-4	1'-6" x 3'-6"	3 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-5	2'-0" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC
FD-6	1'-6" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC

FOUNDATION PLANS NOTE LEGEND:

- 1) CONTROL JOINT AND/OR CONSTRUCTION JOINT @ 15'-0" O.C.
MAX. PROVIDE PVC WATER STOPS AT ALL JOINTS.
TYPICAL.
 - 2) PROVIDE DIAMOND PATTERN ISOLATION JOINT AT COLUMNS,
PROVIDE PVC WATER STOPS AT ALL JOINTS. TYPICAL.
 - 3) MASS CONCRETE POUR FROST FOOTING AT ALL EXTERIOR
DOORS. SEE DETAILS. TYPICAL.
 - 4) 2"x24" PERIMETER R-10 RIGID INSULATION UNDER SLAB,
TYPICAL.
 - 5) ROOF CONDUCTOR DOWN TO UNDERGROUND STORM PIPE.
REFER TO AND COORDINATE WITH MECHANICAL AND CIVIL,
TYPICAL.
 - 6) BUILDING FOUNDATION WALL PERIMETER DRAIN PIPE - 6"
PVC PERFORATED. HIGH STRENGTH AND BELOW GRADE
PVC TYPE. 6A = DUAL CLEAN OUT LOCATIONS
 - 7) ELEVATOR PIT FOUNDATION WALL PERIMETER DRAIN PIPE -
4" PVC PERFORATED. HIGH STRENGTH AND BELOW GRADE
PVC TYPE.
 - 8) DRAIN PIPE THRU CONCRETE SLEEVE - EXTRA STRONG
SLEEVE WITH A MINIMUM 1" COMPRESSIBLE MATERIAL
AROUND THE MAIN DRAIN PIPE. EXTEND 12" BEYOND
CONCRETE ON BOTH SIDES.
 - 9) SUMP PUMP AND PIT FOR ELEVATOR PIT FOUNDATION WALL
PERIMETER DRAIN PIPE. 24" DIAMETER x 36" DEEP WITH
GALVANIZED STEEL GRATING COVER. REFER TO ELECTRICAL
AND MECHANICAL. TYPICAL.
 - 10) SUMP PUMP AND PIT FOR ELEVATOR SHAFT. 24" DIAMETER x
36" DEEP WITH GALVANIZED STEEL GRATING COVER. REFER TO
ELECTRICAL AND MECHANICAL. TYPICAL.
 - 11) THICKENED SLAB: 8" THICK x 12" WIDE WITH 2 #5
CONTINUOUS BARS AT BOTTOM. TYPICAL.



NOOR INTERNATIONAL
ACADEMY
4050 COOLIDGE HIGH
TROY, MI 48068

NOOR INTERNATIONAL ACADEMY
4050 COOLIDGE HIGH
TROY, MI 48098

DRAWN:	DESIGNED:	CHECKED
S.101	GA	GA
SCALE :		
FILE NAME : 22010_S113		
JOB #: 22010		
SHEET TITLE		
FOUNDATION		
PLAN - AREA "C"		
SHEET #		
S. 3		

- A. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. TYPICAL.
- B. COORDINATE ALL DIMENSIONS WITH FLOOR PLANS AND NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
- C. DIMENSIONS WITH * DENOTES WALL ABOVE DIMENSION AND OFFSET.

CONCRETE SLAB ON GRAVEL

4" CONCRETE WITH 6X6-W2.9XW2.9 W.W.F.
PLACED AT MID DEPTH ON 10 MIL VAPOR
BARRIER ON 12" COMPACTED GRANULAR FILL
OVER 95% COMPACTED ENGINEERED
SUBGRADE. G.C. TO VERIFY CONCRETE
INSTALLATION TIMING. REFER TO
GEOTECHNICAL REPORT FOR SUBGRADE
RECOMMENDATIONS.

FOUNDATION PLANS NOTE LEGEND:

- 1**) CONTROL JOINT AND/OR CONSTRUCTION JOINT @ 15'-0" O.C.
MAX. PROVIDE PVC WATER STOPS AT ALL JOINTS.
TYPICAL.

2) PROVIDE DIAMOND PATTERN ISOLATION JOINT AT COLUMNS,
PROVIDE PVC WATER STOPS AT ALL JOINTS. TYPICAL.

3) MASS CONCRETE POUR FROST FOOTING AT ALL EXTERIOR
DOORS. SEE DETAILS. TYPICAL.

4) 2"x24" PERIMETER R-10 RIGID INSULATION UNDER SLAB,
TYPICAL.

5) ROOF CONDUCTOR DOWN TO UNDERGROUND STORM PIPE.
REFER TO AND COORDINATE WITH MECHANICAL AND CIVIL,
TYPICAL.

6) BUILDING FOUNDATION WALL PERIMETER DRAIN PIPE - 6"
PVC PERFORATED. HIGH STRENGTH AND BELOW GRADE
6A) PVC TYPE. 6A = DUAL CLEAN OUT LOCATIONS

7) ELEVATOR PIT FOUNDATION WALL PERIMETER DRAIN PIPE -
4" PVC PERFORATED. HIGH STRENGTH AND BELOW GRADE
PVC TYPE.

8) DRAIN PIPE THRU CONCRETE SLEEVE - EXTRA STRONG
SLEEVE WITH A MINIMUM 1" COMPRESSIBLE MATERIAL
AROUND THE MAIN DRAIN PIPE. EXTEND 12" BEYOND
CONCRETE ON BOTH SIDES.

9) SUMP PUMP AND PIT FOR ELEVATOR PIT FOUNDATION WALL
PERIMETER DRAIN PIPE. 24" DIAMETER x 36" DEEP WITH
GALVANIZED STEEL GRATING COVER. REFER TO ELECTRICAL
AND MECHANICAL. TYPICAL.

10) SUMP PUMP AND PIT FOR ELEVATOR SHAFT. 24" DIAMETER x
36" DEEP WITH GALVANIZED STEEL GRATING COVER. REFER TO
ELECTRICAL AND MECHANICAL. TYPICAL.

II) THICKENED SLAB: 8" THICK x 12" WIDE WITH 2 #5
CONTINUOUS BARS AT BOTTOM. TYPICAL.

FORMED FOUNDATIONS SCHEDULE

MARK	SIZE (WxD)	REINFORCEMENT U.NO.
FD-1	2'-4" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-1A	2'-4" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 32" OC
FD-2	2'-2" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-3	2'-0" x 3'-6"	4 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-4	1'-6" x 3'-6"	3 #5 @ T& B WITH #5 DOWELSS AT 48" OC
FD-5	2'-0" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC
FD-6	1'-6" x 1'-0"	3 #5 @ BOTTOM WITH #5 DOWELSS AT 48" OC

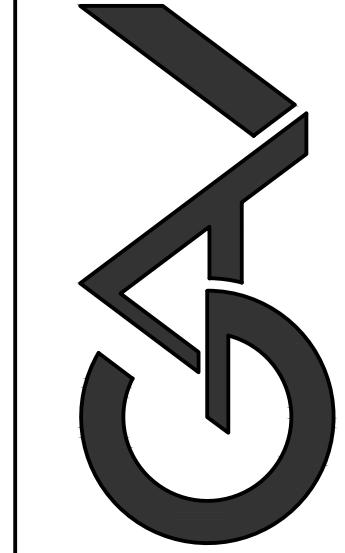
COLUMNS FOOTINGS SCHEDULE:

MARK	SIZE (LxWxD)	REINFORCEMENT U.NO.
F-1	2'-6" x 2'-6" x 3'-6"	#5 @ 6" OC E.W. @ T & B
F-2	2'-6" x 2'-6" x 1'-0"	#5 @ 6" OC E.W. @ BOTTOM
F-3	1'-6" x 1'-6" x 3'-6"	#4 @ 6" OC E.W. @ T & B
F-4	2'-0" x 2'-0" x 3'-6"	#4 @ 6" OC E.W. @ T & B

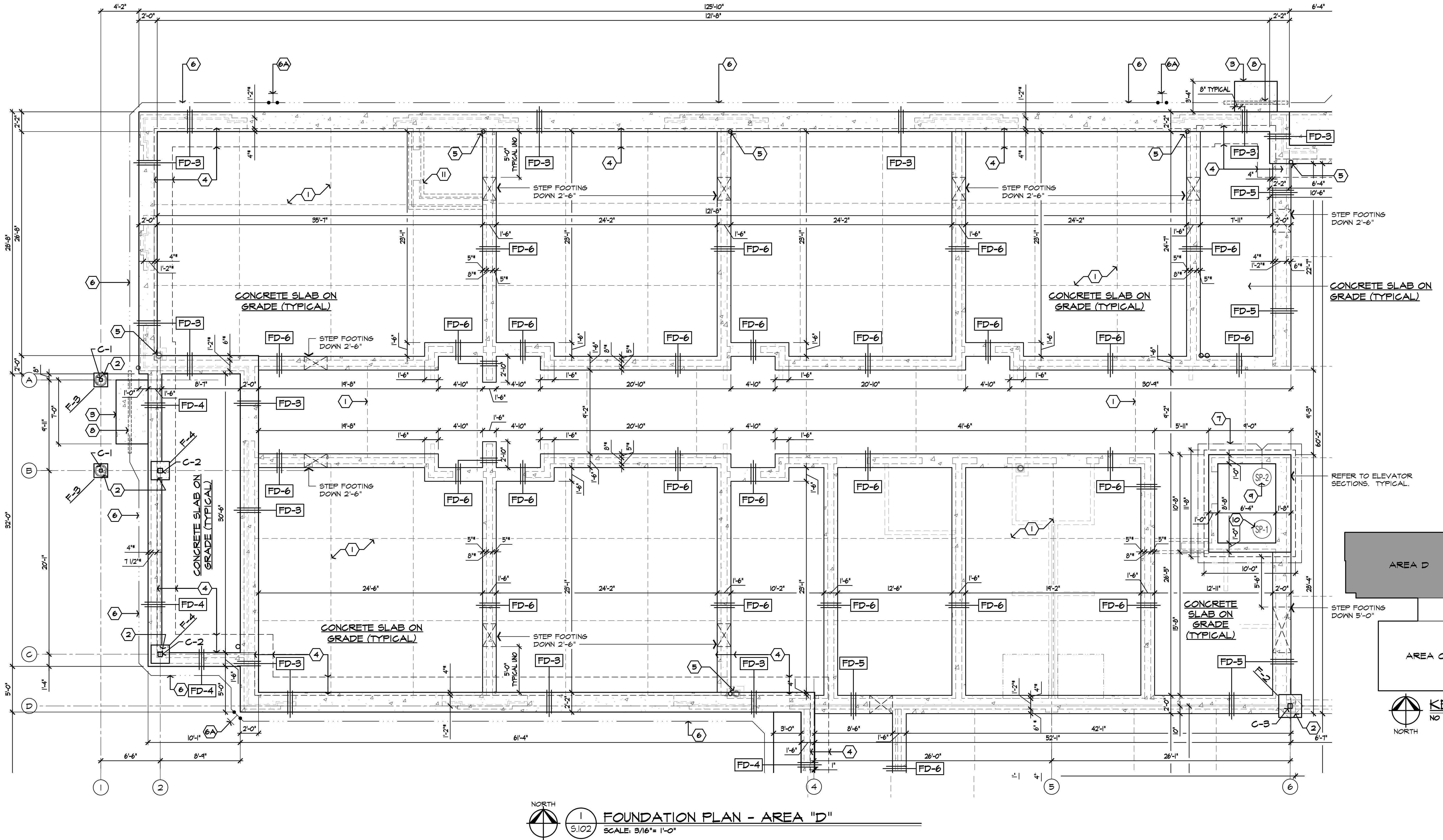
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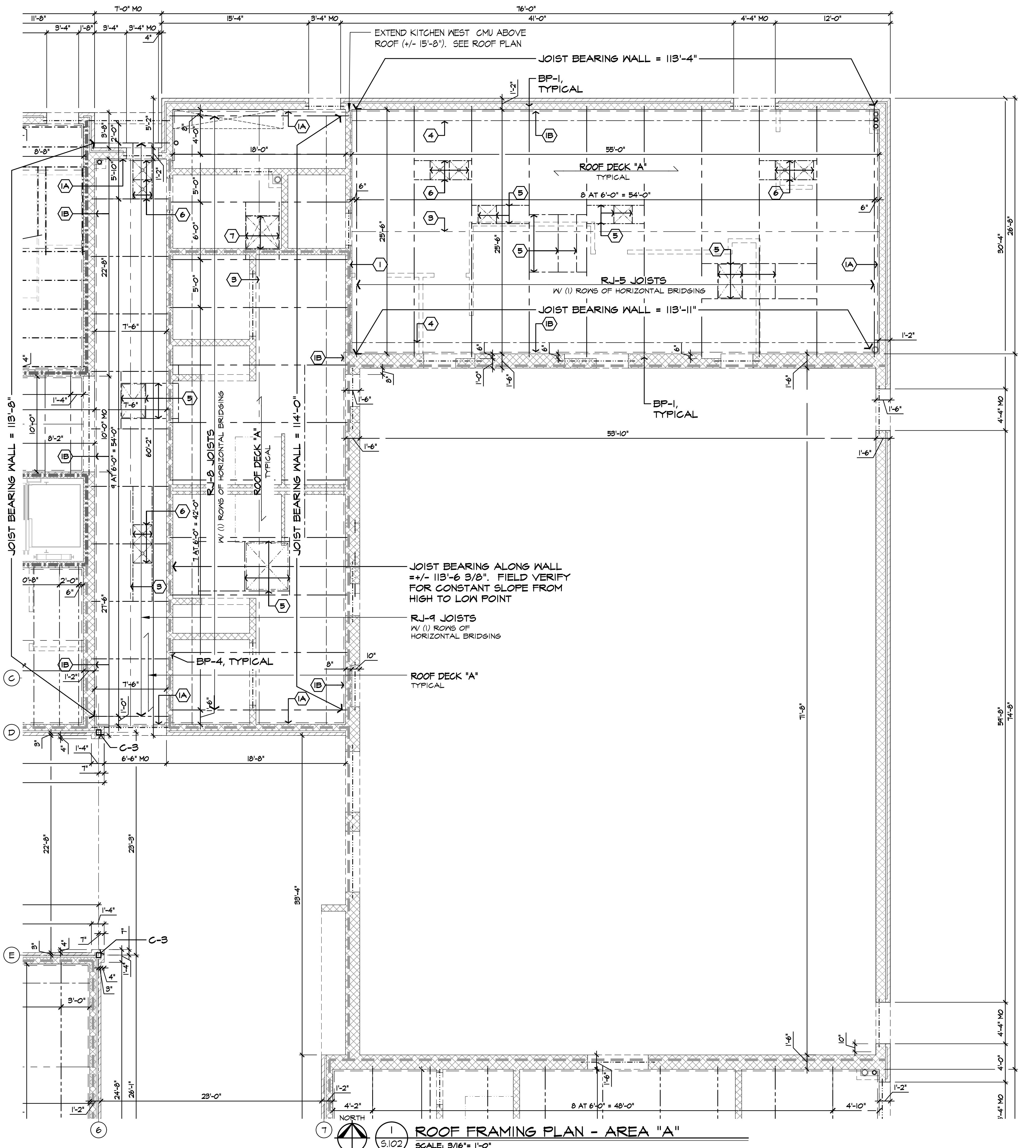
**RESIDENTIAL
COMMERCIAL
INDUSTRIAL**

G.A.V. ASSOCIATES, INC
24001 ORCHARD LAKE RD., STE. 180A
FARMINGTON, MICHIGAN 48336
PH: (248) 985-9101
WEB: WWW.GAVASSOCIATES.COM



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ACADEMY
4050 COOLIDGE HWY
TROY, MI 48098





RAMING GENERAL NOTES:

- REFER TO WALL LEGEND ON ARCHITECTURAL PLANS & SECTIONS FOR WALLS REINFORCEMENT.

REFER TO ARCHITECTURAL SECTIONS MASONRY WALLS DIMENSIONS & COORDINATION.

VERIFY & COORDINATE STEEL ANGLE FRAMING FOR MECHANICAL PENETRATION OPENING SIZE WITH MECHANICAL CONTRACTOR.

PROVIDE 1 HOUR FIRE RATED & SMOKE TIGHT MATERIAL AROUND PENETRATION WHERE INDICATED.

COORDINATE CONCRETE FLOOR & STEEL FRAMING WITH ELEVATOR, MECHANICAL, PLUMBING, ELECTRICAL & FOOD SERVICE CONTRACTORS FOR CLEARANCES.

COORDINATE STEEL BRIDGING WITH WALL PARTITION & OTHER MEP. TYPICAL.

PROVIDE A 2 1/2" x 4" x 3/16" LLH GALVANIZED CONTINUOUS STEEL BENT PLATE OVER STEEL BEAMS / GIRDERS AS NEEDED TO MATCH BOTTOM OF FLOOR / ROOF DECK. REFER TO ARCHITECTURAL SECTION DETAILS.

REFER TO ARCHITECTURAL SECTION DETAILS FOR ADDITIONAL MISCELLANEOUS GALVANIZED STEEL ANGLES AND BENT PLATES. TYPICAL.

GC/CM TO COORDINATE ALL ROOF EQUIPMENTS LOCATIONS, CLEARANCES, OPENINGS WITH RELATED TRADES.

"MO" DENOTES MASONRY OPENING WITH STEEL LINTEL / BEAM SUPPORTS. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.

ALL EXPOSED STEEL SHALL BE MEET ARCHITECTURALLY EXPOSED STRUCTURAL STEEL PER AISC STANDARDS:

D.I. AEES-1: WEST STAIR D180/280 & EAST STAIRS D181/281

D.2. AEES-2: IN VESTIBULES A100 & A103 AND LOBBIES A102 AND A103

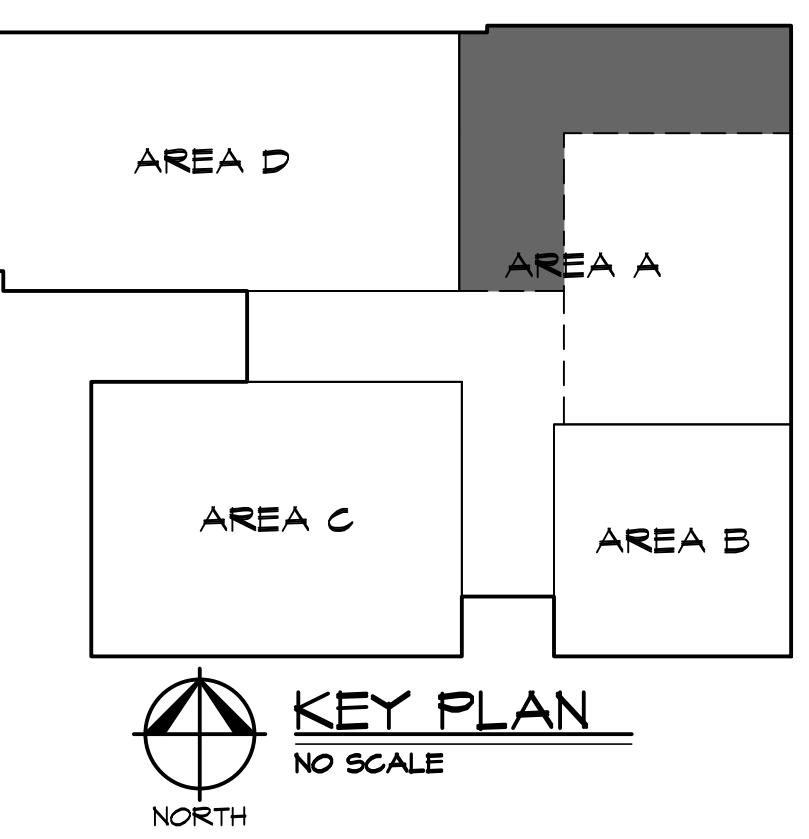
REFER TO SHEET S.100 FOR SCHEDULES

RAMING PLANS NOTE LEGEND:

- 1) FLOOR AND ROOF PERIMETER STEEL ANGLES:

 - A. PARALLEL WITH FRAMING DIRECTION: 4x4x1/4 WITH 1/2"x4" TITEN HD MASONRY SCREWS @ 32" O.C. TYPICAL.
 - B. PERPENDICULAR TO FRAMING DIRECT: 4x4x1/4 WELDED TO TOP OF FRAMING STEEL. TYPICAL.
 - C. 6x4x1/4 LLH WELDED TO TOP OF FRAMING STEEL. 4x4x1/4" WHEN PERPENDICULAR TO ROOF FRAMING. TYPICAL.
 - D. CONTINUOUS 14"x3/8" STEEL PLATE WELDED TO TOP OF BEAM WITH WELDED 1/2"x6" ANCHORS AND BOLTS FOR ROOF EDGE TREATED WOOD BLOCKING.

TO BE PROVIDED AT ALL FLOOR AND ROOF DECK EDGES AND OPENINGS. PROVIDE SAME ANGLE BUT 2 (BACK-TO-BACK) AT DECK SPAN CHANGE OVER STEEL BEAM, CHANNEL OR JOISTS. TYPICAL. REFER TO ARCHITECTURAL FLOOR PLANS FOR DOOR OPENING LOCATION.



KEY PLAN
NO SCALE

NORTH

<p>NOOR INTERNATIONAL ACADEMY</p> <p>4050 COOLIDGE HWY</p> <p>TROY, MI 48098</p> <p>586-365-5000</p>	<p>NOOR INTERNATIONAL ACADEMY</p> <p>4050 COOLIDGE HWY</p> <p>TROY, MI 48098</p> <p>586-365-5000</p>
--	--

A B	DRAWN:	DESIGNED:	CHECKED
	SSA	GA	GA

100% of the time, the system will be able to correctly identify the target word.

SCALE :

FILE NAME : 22010 S12

ALL TIME TOTALS

JOB #: 22010

10. The following table summarizes the results of the study.

SHEET TITLE

ROOF FRAMING

PLAN AREA "A"

— ★ —

SHEET #

HITEC
www.hitec.com

A decorative horizontal bar featuring a central vertical slot. Inside this slot is a stylized floral or leaf motif, possibly a stylized 'M' or a similar symmetrical design, rendered in a dark, textured style.

ISSUED FOR	DATE
PERMITS	08/17/2022

ARCHITECTURAL DESIGN
RESIDENTIAL COMMERCIAL INDUSTRIAL

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TROY, MI 48098
586-365-5000

NOOR INTERNATIONAL ACADEMY
4050 COOLIDGE HLY
TROY, MI 48098

DRAWN: SSA DESIGNED: GA CHECKED: GA
SCALE : NO SCALE
FILE NAME : 22010_S122
JOB #: 22010
SHEET TITLE ROOF FRAMING PLAN AREA "B"
SHEET # S.122
STATE OF MICHIGAN
SAMIR M. KARIM
No. 1301038452
LICENSED ARCHITECT
S.122

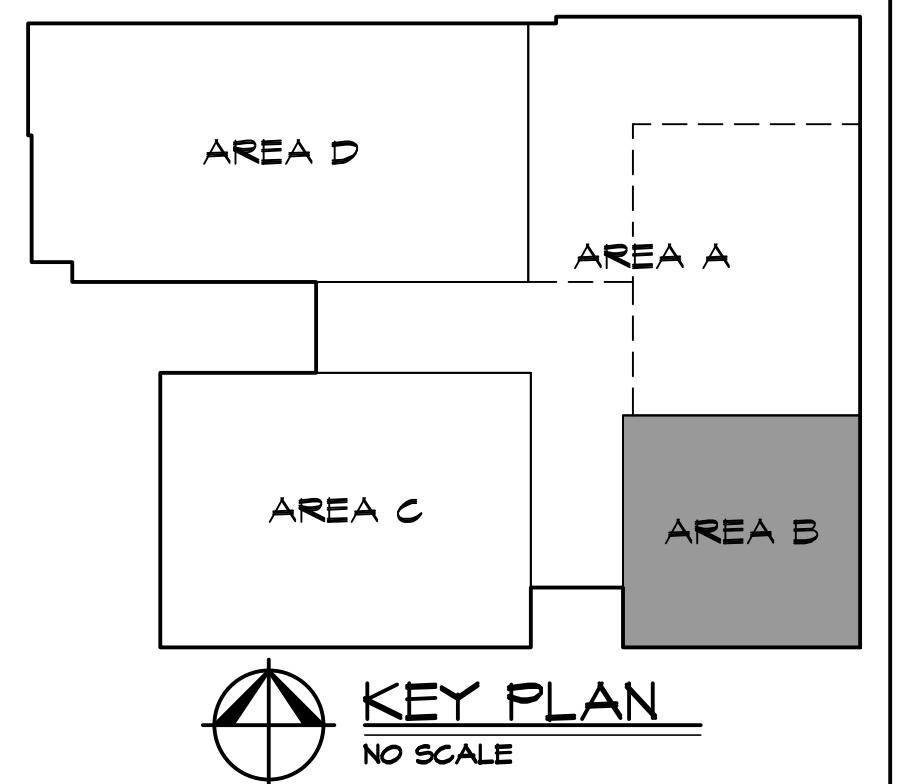
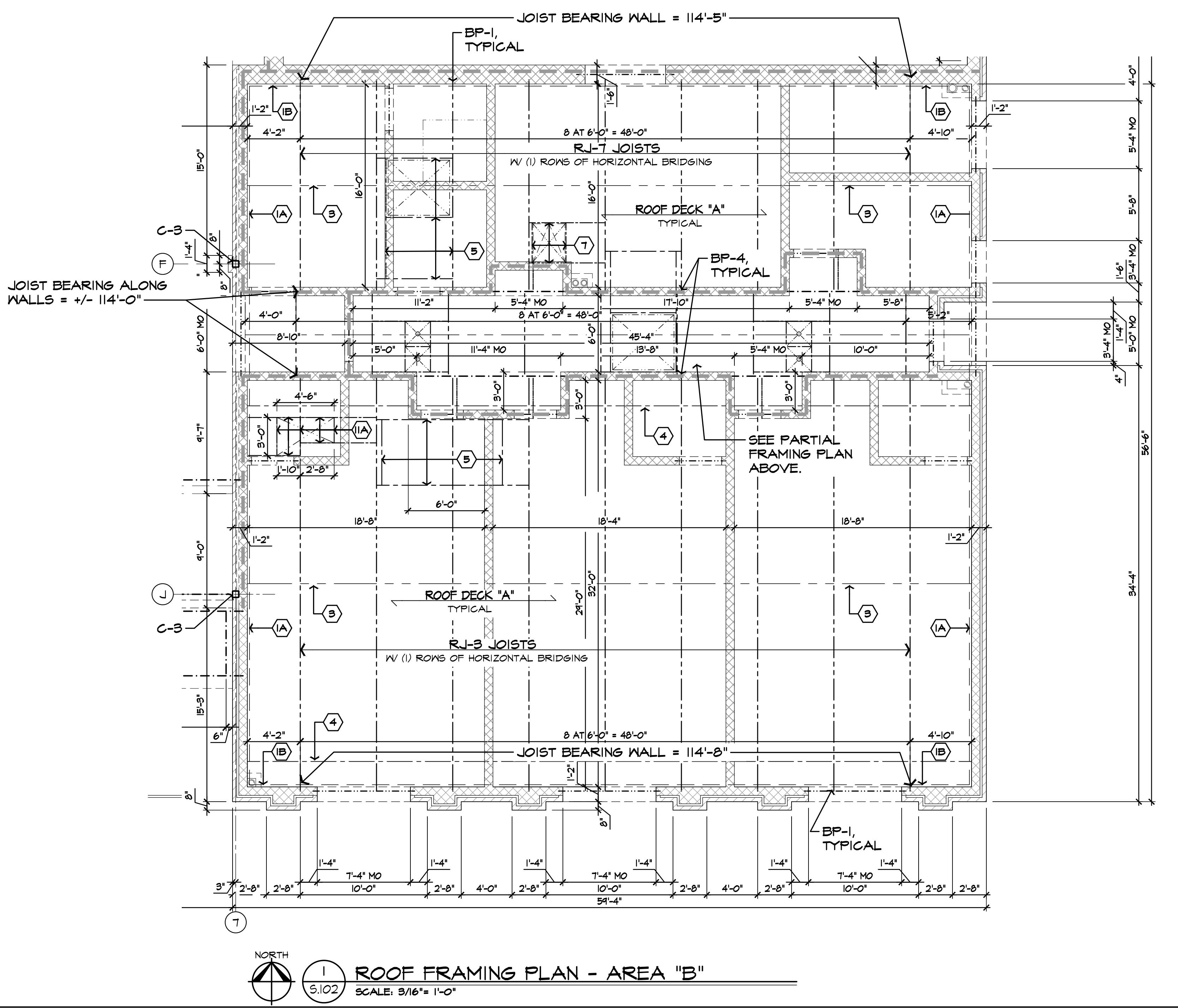
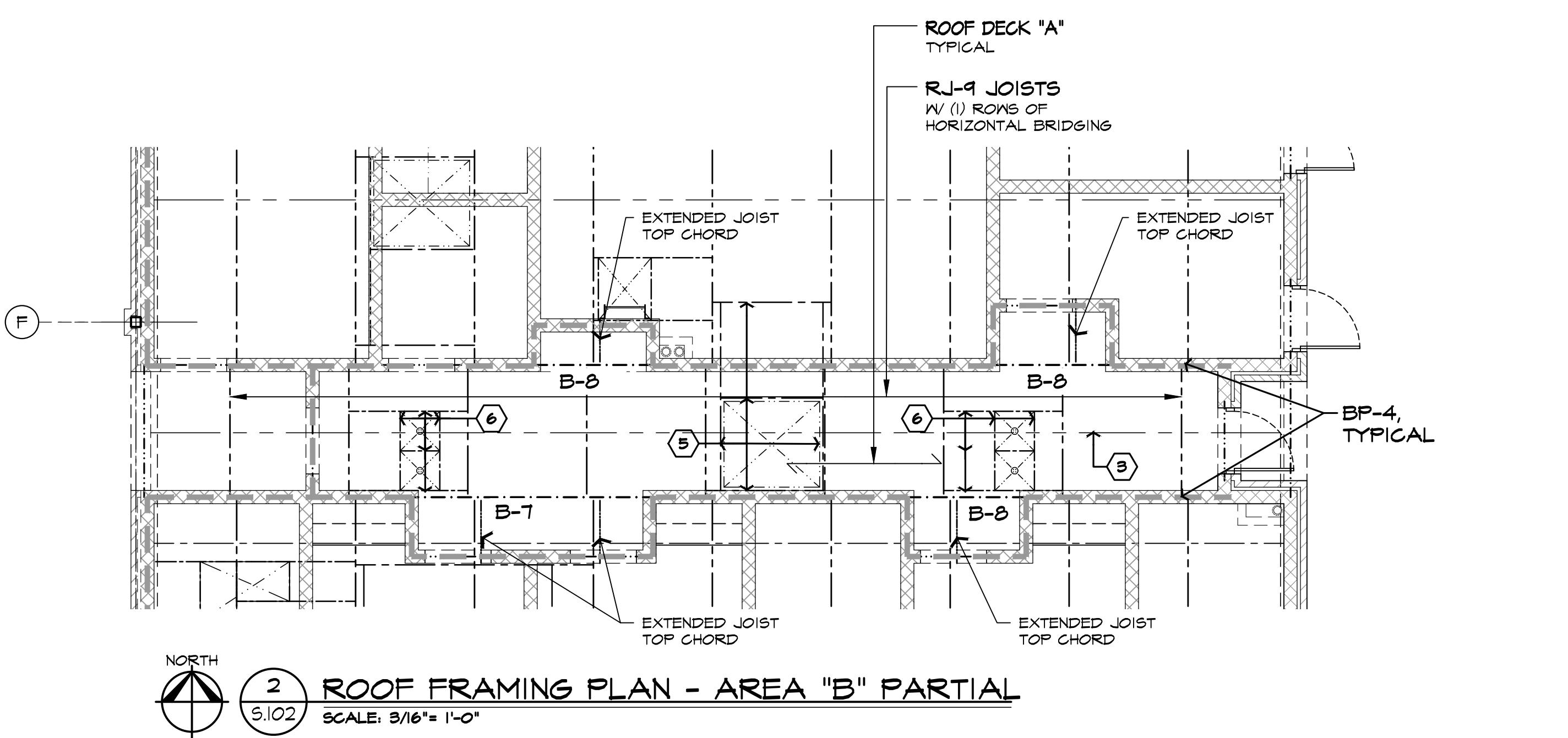
- FRAMING GENERAL NOTES:**
- REFER TO WALL LEGEND ON ARCHITECTURAL PLANS & SECTIONS FOR WALLS REINFORCEMENT.
 - REFER TO ARCHITECTURAL SECTIONS MASONRY WALLS DIMENSIONS & COORDINATION.
 - VERIFY & COORDINATE STEEL ANGLE FRAMING FOR MECHANICAL PENETRATION OPENING SIZE WITH MECHANICAL CONTRACTOR. PROVIDE 1 HOUR FIRE RATED & SMOKE TIGHT MATERIAL AROUND PENETRATION WHERE INDICATED.
 - COORDINATE CONCRETE, WOOD & STEEL FRAMING WITH ELEVATOR, MECHANICAL, PLUMBING, ELECTRICAL & FOOD SERVICE CONTRACTORS FOR CLEARANCES.
 - COORDINATE STEEL BRIDGING WITH WALL PARTITION & OTHER MEP. TYPICAL.
 - PROVIDE A 2 1/2"X4"X3/16" LH GALVANIZED CONTINUOUS STEEL BENT PLATE OVER STEEL BEAMS / GIRDERS AS NEEDED TO MATCH BOTTOM OF FLOOR / ROOF DECK. REFER TO ARCHITECTURAL SECTION DETAILS.

- A. REFER TO ARCHITECTURAL SECTION DETAILS FOR ADDITIONAL MISCELLANEOUS GALVANIZED STEEL ANGLES AND BENT PLATES. TYPICAL.
- B. GC/CM TO COORDINATE ALL ROOF EQUIPMENT LOCATIONS, CLEARANCES, OPENINGS WITH RELATED TRADES.
- C. "MO" DENOTES MASONRY OPENING WITH STEEL LINTEL / BEAM SUPPORTS. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
- D. ALL EXPOSED STEEL SHALL BE MEET ARCHITECTURALLY EXPOSED STRUCTURAL STEEL PER AISC STANDARDS.
- D.1. AESS-H1 WEST STAIR D100/200 & EAST STAIRS D101/201
- D.2. AESS-2; IN VESTIBULES A100 & A102 AND LOBBIES A102 AND A103

REFER TO SHEET S.100 FOR SCHEDULES

FRAMING PLANS NOTE LEGEND:

- (1) FLOOR AND ROOF PERIMETER STEEL ANGLES.
A. PARALLEL WITH FRAMING DIRECTION: 4X4X1/4 WITH 1/2"X4" TITAN HD MASONRY SCREWS @ 32" O.C. TYPICAL.
- B. PERPENDICULAR TO FRAMING DIRECT: 4X4X1/4 WELDED TO TOP OF FRAMING STEEL. TYPICAL.
- C. 6X4X1/4 LH WELDED TO TOP OF FRAMING STEEL. 4X4X1/4" WHEN PERPENDICULAR TO ROOF FRAMING. TYPICAL.
- D. CONTINUOUS 14"X3/8" STEEL PLATE WELDED TO TOP OF BEAM WITH WELDED 1/2"X6" ANCHORS AND BOLTS FOR ROOF EDGE TREATED WOOD BLOCKING.
- E. TO BE PROVIDED AT ALL FLOOR AND ROOF DECK EDGES AND OPENINGS. PROVIDE SAME ANGLE BUT 2 (BACK-TO-BACK) AT DECK SPAN CHANGE OVER STEEL BEAM, CHANNEL OR JOISTS. TYPICAL. REFER TO ARCHITECTURAL FLOOR PLANS FOR DOOR OPENING LOCATION.
- (2) DIAGONAL BRIDGING WITH BOLTED CONNECTION
- (3) HORIZONTAL BRIDGING
- (4) SINGLE LINE OF BOTTOM CHORD BRIDGING NEAR THE FIRST BOTTOM CHORD PANEL POINTS (NET UPLIFT PRESSURE OF 10 Lbs/Ft²). TYPICAL.
- (5) 6X3 1/2X3/8 LLV STEEL ANGLES, HVAC, MAU AND MEP ROOF EQUIPMENT CURBS STEEL SUPPORTS. COORDINATE AND VERIFY SIZE AND LOCATION WITH MECHANICAL AND FOOD SERVICE DRAWINGS AND CONTRACTORS, TYPICAL.
- (6) STEEL ANGLES FOR ROOF SUMP AND OVER FLOW DRAINS. SEE TYPICAL ROOF OPENING DETAIL. REFER TO ROOF PLAN AND COORDINATE WITH MECHANICAL DRAWINGS AND CONTRACTOR.
- (7) STEEL ANGLES FOR ROOF ACCESS LADDER AND ROOF HATCH. SEE DETAIL. VERIFY CLEAR OPENING WITH ROOF HATCH MANUFACTURER, TYPICAL.
- (8) FIRE RATED WALL CONSTRUCTION. REFER TO LIFE SAFETY SHEET AND FLOOR PLANS, TYPICAL.
- (9) REFER TO SECTIONS FOR ADDITIONAL MISCELLANEOUS STEEL AND TOP OF STEEL. TYPICAL.
- (10) FLOOR AND ROOF HVAC DUCT OPENINGS.
11A. ROOF OPENINGS: 6X3 1/2X3/8 LLV STEEL ANGLES SUPPORTS.
11B. FLOOR OPENINGS: 6X4X1/4 LH STEEL ANGLES SUPPORTS AND OPENING PERIMETER 4X4X1/4 STEEL ANGLES.
DIMENSIONS SHOWN ARE CLEAR OPENINGS TO BE COORDINATE AND VERIFIED FOR SIZE AND LOCATION WITH MECHANICAL DRAWINGS AND CONTRACTORS, TYPICAL.
- (11) PROVIDE 1/8" STEEL CLOSURE PLATE WELDED TO BOTH SIDES OF BEAMS WEB / FLANGE PASSING THRU VENEER MASONRY WITH CONTINUOUS SEAL TO BRICK. COORDINATE WITH MASON. TYPICAL



SHEET # S.122

RAMING GENERAL NOTES:

- REFER TO WALL LEGEND ON ARCHITECTURAL PLANS & SECTIONS FOR WALLS REINFORCEMENT.

REFER TO ARCHITECTURAL SECTIONS MASONRY WALLS DIMENSIONS & COORDINATION.

VERIFY & COORDINATE STEEL ANGLE FRAMING FOR MECHANICAL PENETRATION OPENING SIZE WITH MECHANICAL CONTRACTOR.

PROVIDE 1 HOUR FIRE RATED & SMOKE TIGHT MATERIAL AROUND PENETRATION WHERE INDICATED.

COORDINATE CONCRETE FLOOR & STEEL FRAMING WITH ELEVATOR, MECHANICAL, PLUMBING, ELECTRICAL & FOOD SERVICE CONTRACTORS FOR CLEARANCES.

COORDINATE STEEL BRIDGING WITH WALL PARTITION & OTHER MEP. TYPICAL.

PROVIDE A 2 1/2" x 4" x 3/16" LLH GALVANIZED CONTINUOUS STEEL BENT PLATE OVER STEEL BEAMS / GIRDERS AS NEEDED TO MATCH BOTTOM OF FLOOR / ROOF DECK. REFER TO ARCHITECTURAL SECTION DETAILS.

REFER TO ARCHITECTURAL SECTION DETAILS FOR ADDITIONAL MISCELLANEOUS GALVANIZED STEEL ANGLES AND BENT PLATES. TYPICAL.

GC/CM TO COORDINATE ALL ROOF EQUIPMENTS LOCATIONS, CLEARANCES, OPENINGS WITH RELATED TRADES.

"MO" DENOTES MASONRY OPENING WITH STEEL LINTEL / BEAM SUPPORTS. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES.

ALL EXPOSED STEEL SHALL BE MEET ARCHITECTURALLY EXPOSED STRUCTURAL STEEL PER AISC STANDARDS:

D.I. AESS-1: WEST STAIR D180/280 & EAST STAIRS D181/281

D.2. AESS-2: IN VESTIBULES A100 & A103 AND LOBBIES A102 AND A103

REFER TO SHEET S.100 FOR SCHEDULES

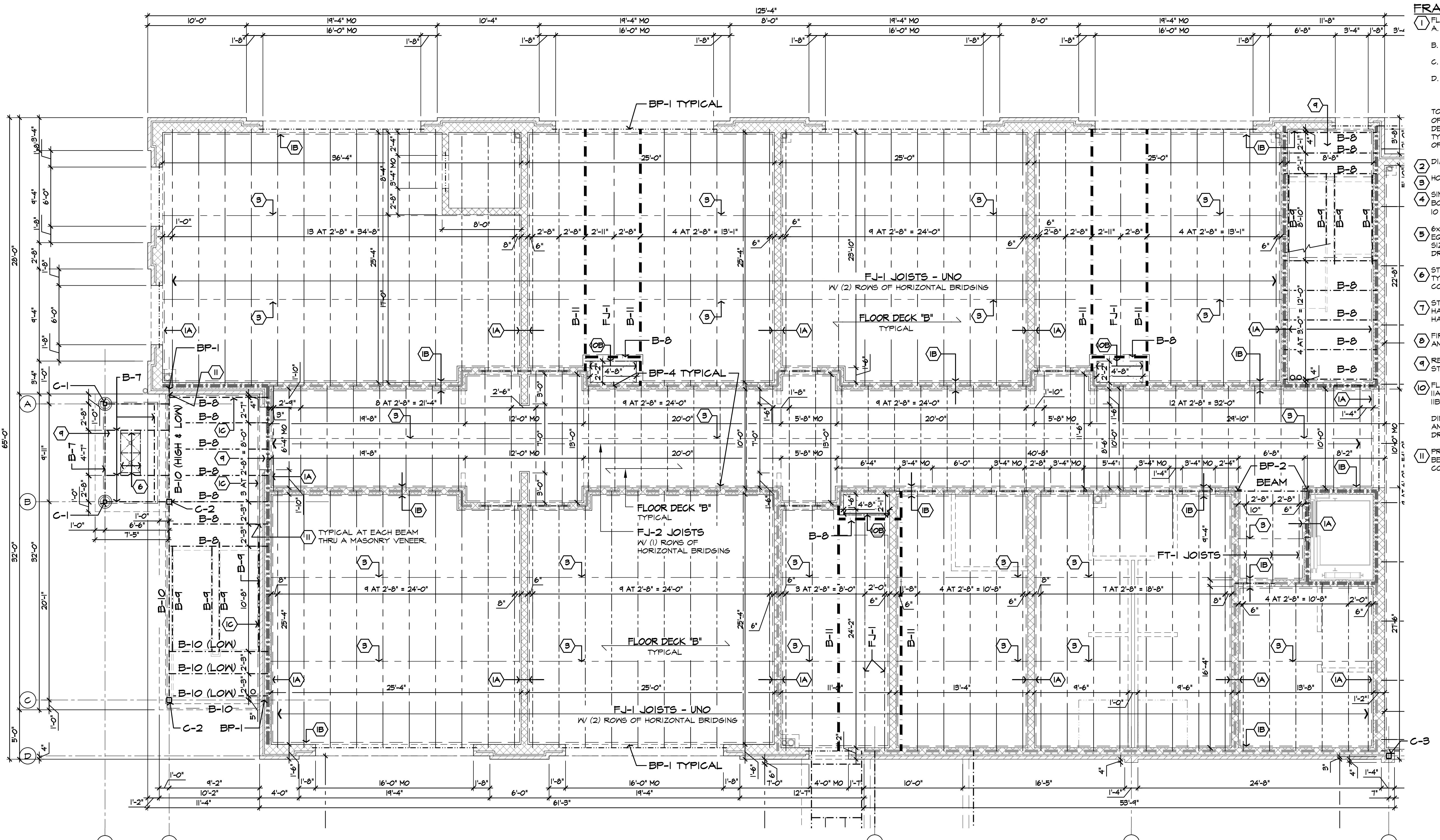
RAMING PLANS NOTE LEGEND:

- I FLOOR AND ROOF PERIMETER STEEL ANGLES:**

 - A. PARALLEL WITH FRAMING DIRECTION: $4 \times 4 \times 1/4$ WITH $1/2" \times 4"$ TITEN HD MASONRY SCREWS @ $32"$ O.C. TYPICAL.
 - B. PERPENDICULAR TO FRAMING DIRECT: $4 \times 4 \times 1/4$ WELDED TO TOP OF FRAMING STEEL. TYPICAL.
 - C. $6 \times 4 \times 1/4$ LLH WELDED TO TOP OF FRAMING STEEL. $4 \times 4 \times 1/4"$ WHEN PERPENDICULAR TO ROOF FRAMING. TYPICAL.
 - D. CONTINUOUS $14" \times 3/8"$ STEEL PLATE WELDED TO TOP OF BEAM WITH WELDED $1/2" \times 6"$ ANCHORS AND BOLTS FOR ROOF EDGE TREATED WOOD BLOCKING.

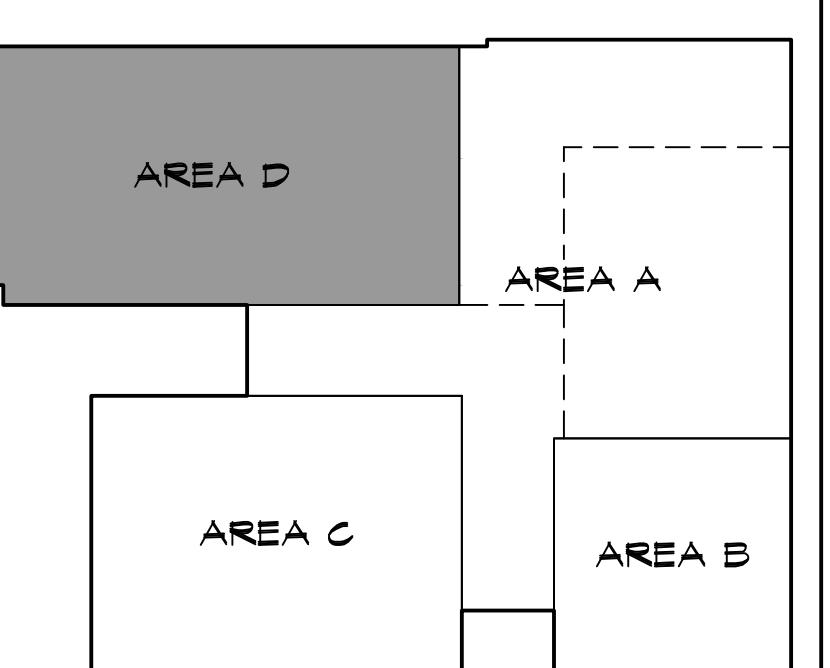
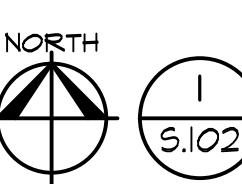
E PROVIDED AT ALL FLOOR AND ROOF DECK EDGES AND
HINGS. PROVIDE SAME ANGLE BUT 2 (BACK-TO-BACK) AT
K SPAN CHANGE OVER STEEL BEAM, CHANNEL OR JOISTS.
CAL. REFER TO ARCHITECTURAL FLOOR PLANS FOR DOOR
ING LOCATION.

- 2) DIAGONAL BRIDGING WITH BOLTED CONNECTION
 - 3) HORIZONTAL BRIDGING
 - 4) SINGLE LINE OF BOTTOM CHORD BRIDGING NEAR THE FIRST BOTTOM CHORD PANEL POINTS (NET UPLIFT PRESSURE OF 10 Lbs/ft²), TYPICAL.
 - 5) 6x3 1/2x3/8 LLV STEEL ANGLES: HVAC, MAU AND MEP ROOF EQUIPMENT CURBS STEEL SUPPORTS. COORDINATE AND VERIFY SIZE AND LOCATION WITH MECHANICAL AND FOOD SERVICE DRAWINGS AND CONTRACTORS, TYPICAL.
 - 6) STEEL ANGLES FOR ROOF SUMP AND OVER FLOW DRAINS. SEE TYPICAL ROOF OPENING DETAIL. REFER TO ROOF PLAN AND COORDINATE WITH MECHANICAL DRAWINGS AND CONTRACTOR.
 - 7) STEEL ANGLES FOR ROOF ACCESS LADDER AND ROOF HATCH, SEE DETAIL. VERIFY CLEAR OPENING WITH ROOF HATCH MANUFACTURER, TYPICAL.
 - 8) FIRE RATED WALL CONSTRUCTION. REFER TO LIFE SAFETY SHEET AND FLOOR PLANS, TYPICAL.
 - 9) REFER TO SECTIONS FOR ADDITIONAL MISCELLANEOUS STEEL AND TOP OF STEEL. TYPICAL.
 - 10) FLOOR AND ROOF HVAC DUCT OPENINGS:
 - IIA ROOF OPENINGS: 6x3 1/2x3/8 LLV STEEL ANGLES SUPPORTS.
 - IIB FLOOR OPENINGS: 6x4x3/8 LLH STEEL ANGLES SUPPORTS AND OPENING PERIMETER 4x4x1/4 STEEL ANGLES.
DIMENSIONS SHOWN ARE CLEAR OPENINGS TO BE COORDINATE AND VERIFIED FOR SIZE AND LOCATION WITH MECHANICAL DRAWINGS AND CONTRACTORS, TYPICAL
 - 11) PROVIDE 1/8" STEEL CLOSURE PLATE WELDED TO BOTH SIDES OF BEAMS WEB / FLANGE PASSING THRU VENEER MASONRY WITH CONTINUOUS STAINLESS STEEL 1/4" X 1/4" X 1/8" NUTMEG HEAD CAP SCREWS, TYPICAL.



FLOOR GENERAL TOS (BOTTOM OF DECK) = 113'-8"

SECOND FLOOR



 **KEY PLAN**
NO SCALE

A small graphic element consisting of a circle with a vertical line through its center, pointing upwards, representing the cardinal direction North.

ROKUMI

— OF MICHIGAN

SAMIR M

KARIM

ARCHITECT

No.
1301038452

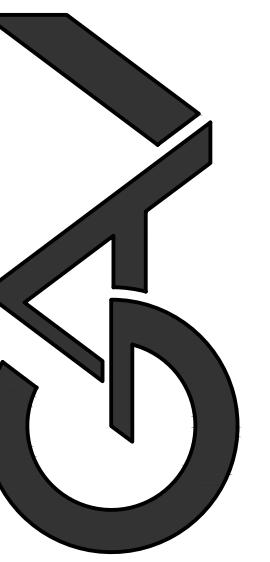
LICENSED ARCHITECT



ARCHITECTURAL DESIGN

RESIDENTIAL COMMERCIAL INDUSTRIAL

G.A.V. ASSOCIATES, INC.
24001 ORCHARD LAKE RD., STE. 180A
FARMINGTON HILLS, MI 48336
PH: (248) 985-9101
WEB: WWW.GAVASSOCIATES.COM

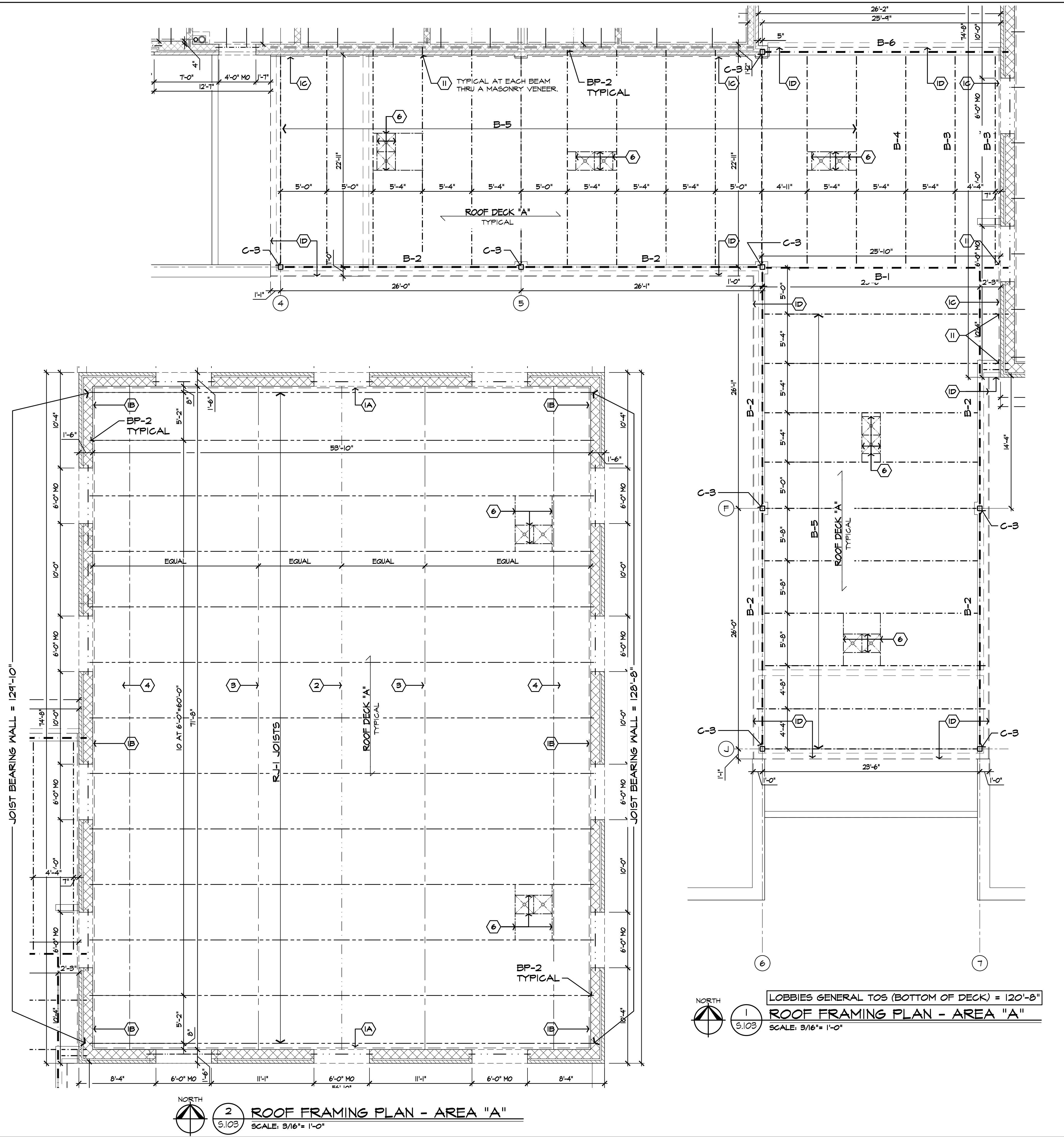


ASSOCIATES

NOOR INTERNATIONAL ACADEMY
4050 COOLIDGE HLY
TROY, MI 48098
586-365-5000

NOOR INTERNATIONAL ACADEMY
4050 COOLIDGE HLY
TROY, MI 48098

DRAWN: SSA DESIGNED: GA CHECKED: GA
SCALE : NO SCALE
FILE NAME : 22010_S125
JOB #: 22010
SHEET TITLE ROOF FRAMING PLAN AREA "A"
SHEET # S.125
STATE OF MICHIGAN
SAMIR M. KARIM
No. 1301038452
LICENSED ARCHITECT



ARCHITECTURAL DESIGN

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TROY, MI 48098

DRAWN: SSA DESIGNED: GA CHECKED: GA

SCALE : NO SCALE

FILE NAME : 22010_S126

JOB #: 22010

SHEET TITLE ROOF FRAMING PLAN AREA "D"
SHEET #



S.126

FRAMING PLANS NOTE LEGEND:

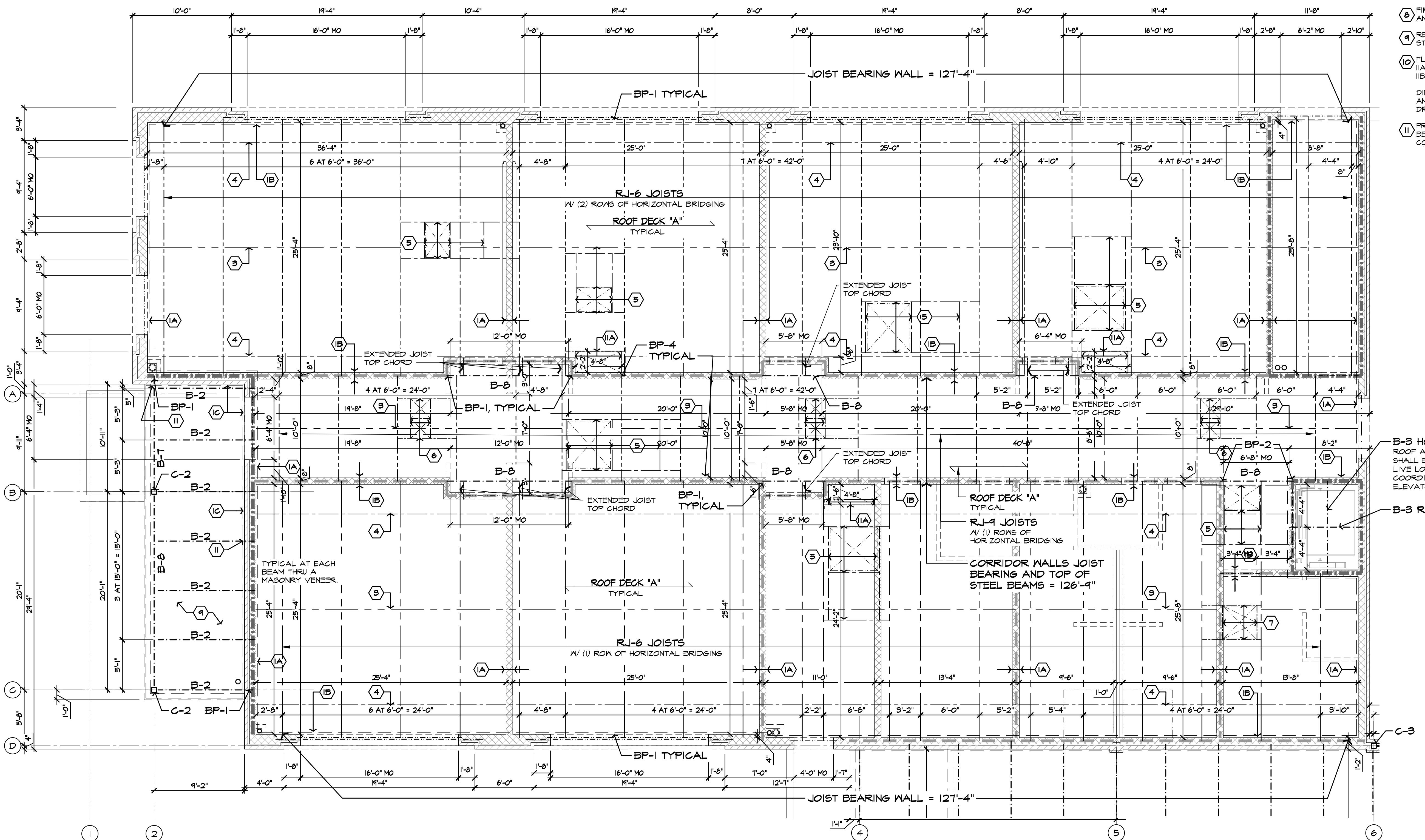
- ① FLOOR AND ROOF PERIMETER STEEL ANGLES:
A. PARALLEL WITH FRAMING DIRECTION: 4x4x1/4 WITH 1/2"x4" TITEN HD MASONRY SCREWS @ 32" O.C. TYPICAL.
 - B. PERPENDICULAR TO FRAMING DIRECT: 4x4x1/4 WELDED TO TOP OF FRAMING STEEL, TYPICAL.
 - C. 6x4x1/4 LLH WELDED TO TOP OF FRAMING STEEL, 4x4x1/4 WHEN PERPENDICULAR TO ROOF FRAMING, TYPICAL.
 - D. CONTINUOUS 4x3/8" STEEL PLATE WELDED TO TOP OF BEAM WITH WELDED 1/2"x6" ANCHORS AND BOLTS FOR ROOF EDGE TREATED WOOD BLOCKING.
- TO BE PROVIDED AT ALL FLOOR AND ROOF DECK EDGES AND OPENINGS, PROVIDE SAME ANGLE BUT 2 (BACK-TO-BACK) AT DECK SPAN CHANGE OVER STEEL BEAM, CHANNEL OR JOISTS, TYPICAL. REFER TO ARCHITECTURAL FLOOR PLANS FOR DOOR OPENING LOCATION.

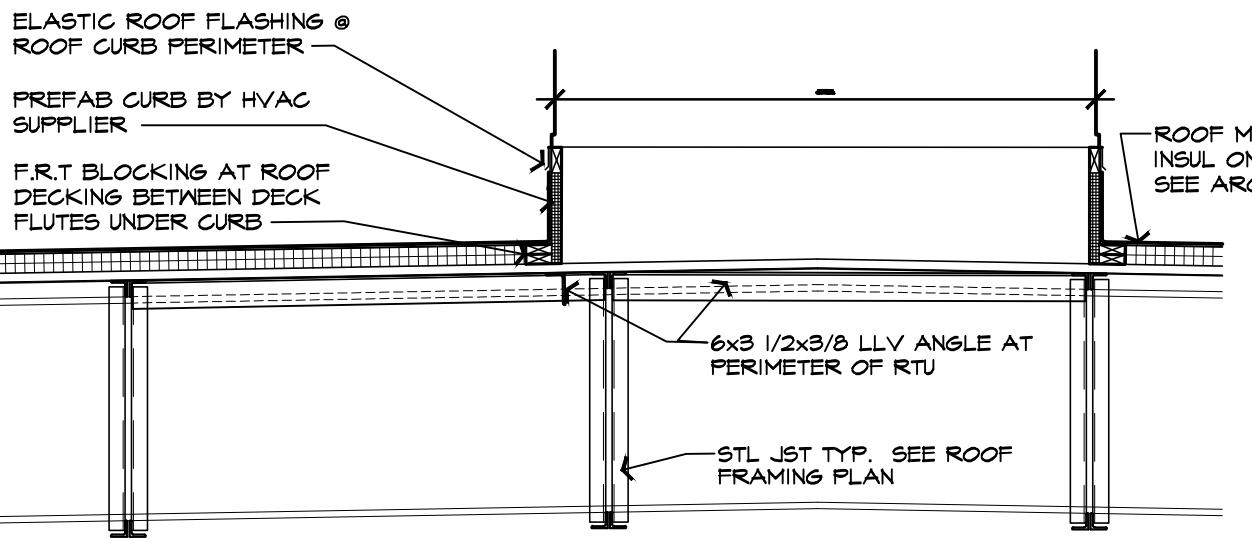
- ② DIAGONAL BRIDGING WITH BOLTED CONNECTION
- ③ HORIZONTAL BRIDGING
- ④ SINGLE LINE OF BOTTOM CHORD BRIDGING NEAR THE FIRST BOTTOM CHORD PANEL POINTS (NET UPLIFT PRESSURE OF 10 Lbs/F²), TYPICAL.

- ⑤ 6x3 1/2x3/8 LLV STEEL ANGLES: HVAC, MAU AND MEP ROOF EQUIPMENT CURBS STEEL SUPPORTS, COORDINATE SIZE AND LOCATION WITH MECHANICAL AND FOOD SERVICE DRAWINGS AND CONTRACTORS, TYPICAL.
- ⑥ STEEL ANGLES FOR ROOF SUMP AND OVER FLOW DRAINS, SEE TYPICAL ROOF OPENING DETAIL. REFER TO ROOF PLAN AND COORDINATE WITH MECHANICAL DRAWINGS AND CONTRACTOR.
- ⑦ STEEL ANGLES FOR ROOF ACCESS LADDER AND ROOF HATCH, SEE DETAIL. VERIFY CLEAR OPENING WITH ROOF HATCH MANUFACTURER, TYPICAL.
- ⑧ FIRE RATED WALL CONSTRUCTION. REFER TO LIFE SAFETY SHEET AND FLOOR PLANS, TYPICAL.
- ⑨ REFER TO SECTIONS FOR ADDITIONAL MISCELLANEOUS STEEL AND TOP OF STEEL, TYPICAL.

- ⑩ FLOOR AND ROOF HVAC DUCT OPENINGS:
I.A. ROOF OPENINGS: 6x3 1/2x3/8 LLV STEEL ANGLES SUPPORTS.
I.B. FLOOR OPENINGS: 6x4x3/8 LLH STEEL ANGLES SUPPORTS AND OPENING PERIMETER 4x4x1/4 STEEL ANGLES. DIMENSIONS SHOWN ARE CLEAR OPENINGS TO BE COORDINATE AND VERIFIED FOR SIZE AND LOCATION WITH MECHANICAL DRAWINGS AND CONTRACTORS, TYPICAL.
- II. PROVIDE 1/8" STEEL CLOSURE PLATE WELDED TO BOTH SIDES OF BEAMS WEB / FLANGE PASSING THRU VENEER MASONRY WITH CONTINUOUS SEAL TO BRICK. COORDINATE WITH MASON. TYPICAL.

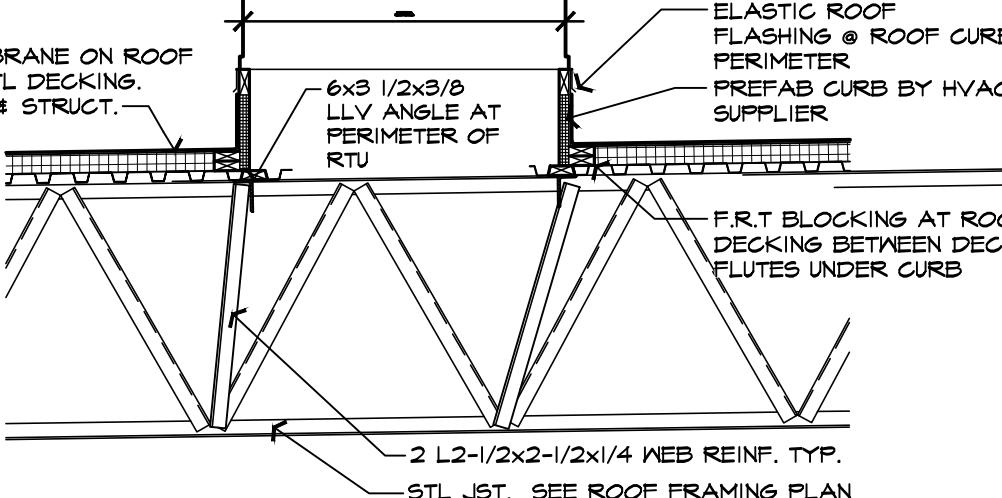
REFER TO SHEET S.100 FOR SCHEDULES



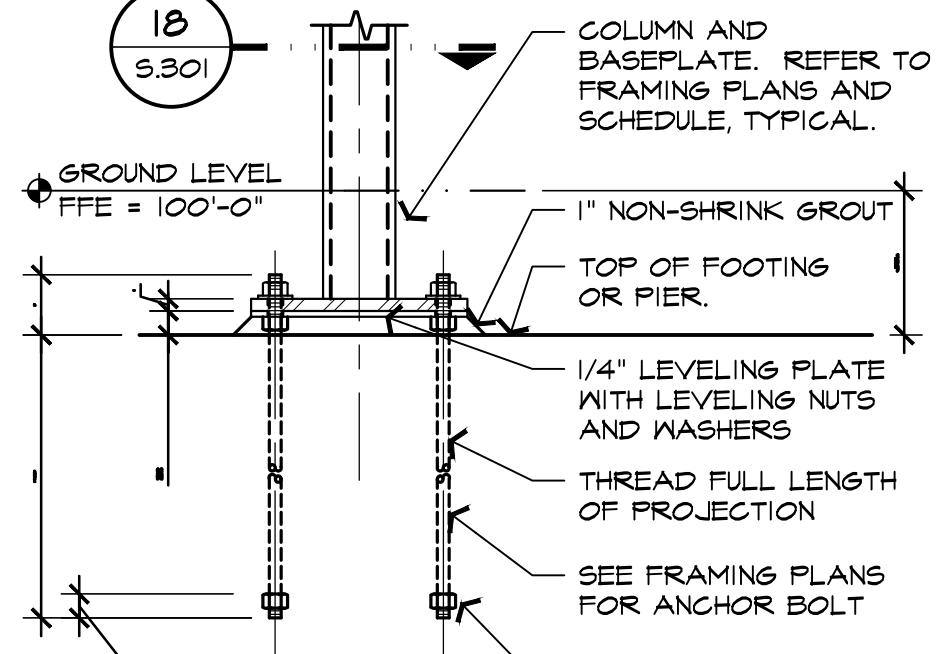


21 TYPICAL ROOFTOP MECH UNIT SUPPORT DETAIL
S.301 NOT TO SCALE

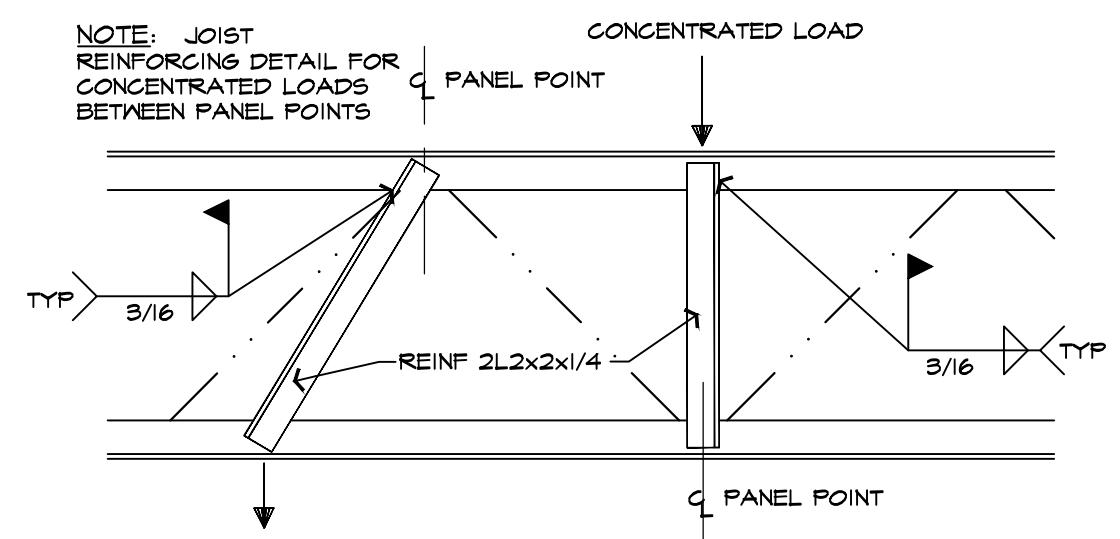
REFER TO FRAMING PLAN AND DETAILS FOR ADDITIONAL REQUIREMENTS THAT ARE NOT DEPICTED ON THESE DETAILS.



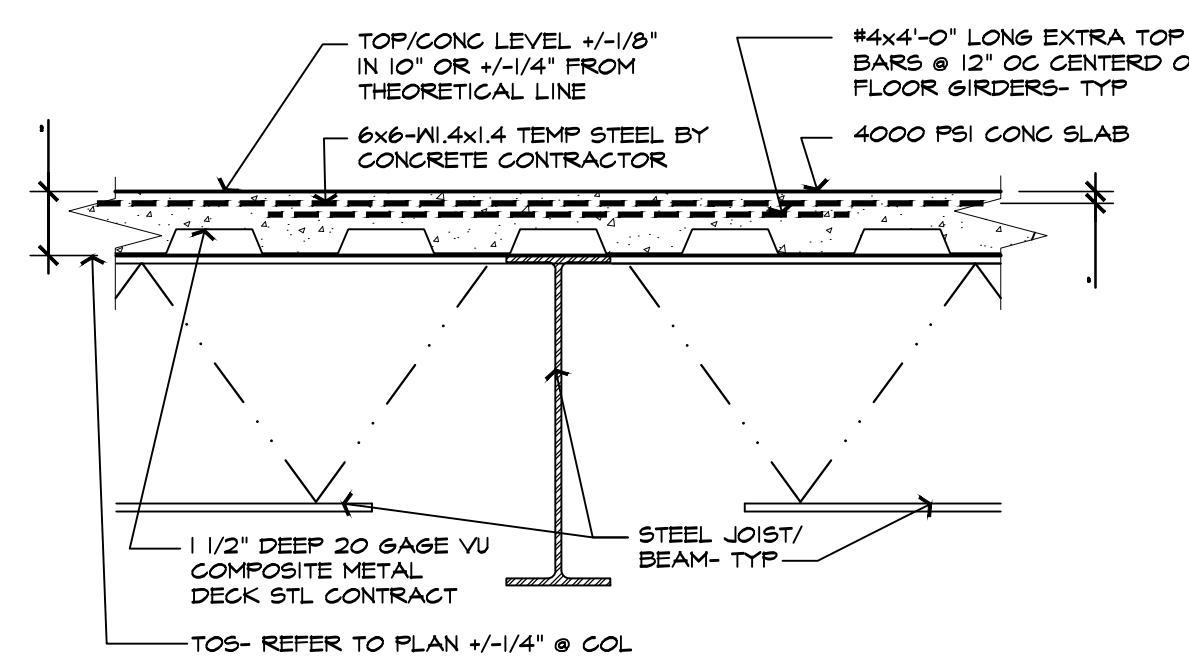
18 TYPICAL BASE PLATE DETAIL
S.301 NOT TO SCALE



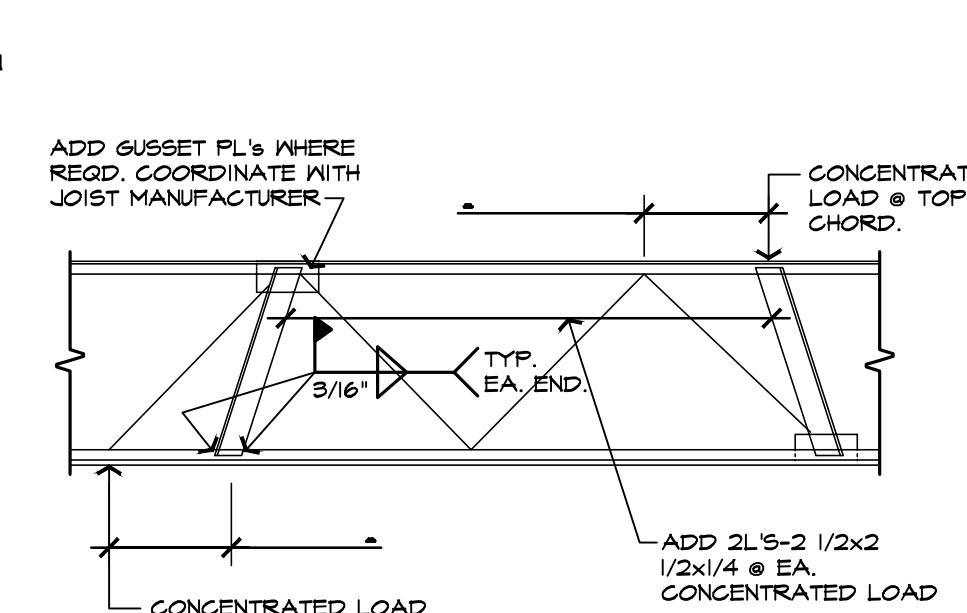
17 TYPICAL BASE PLATE DETAIL
S.301 NOT TO SCALE



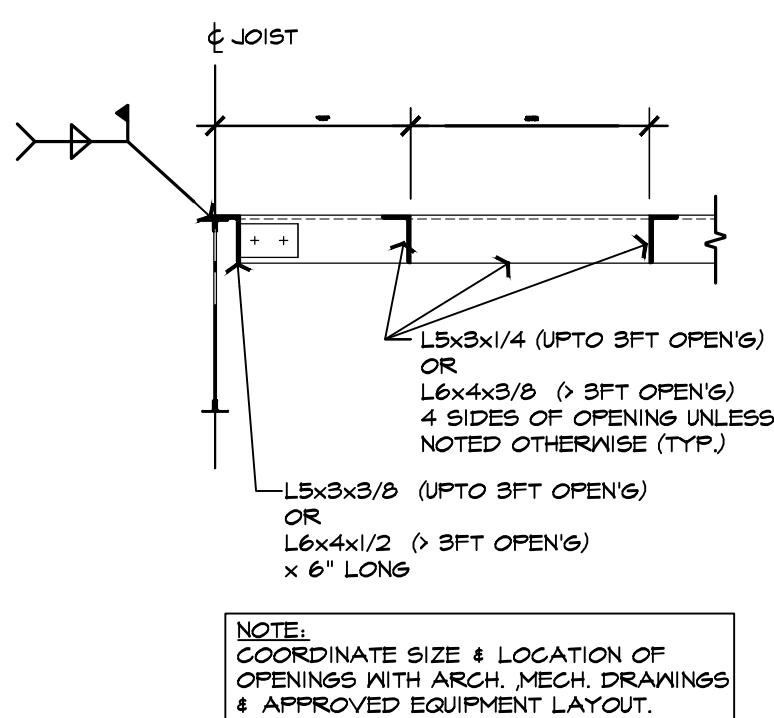
16 TYPICAL DETAIL
S.301 NOT TO SCALE



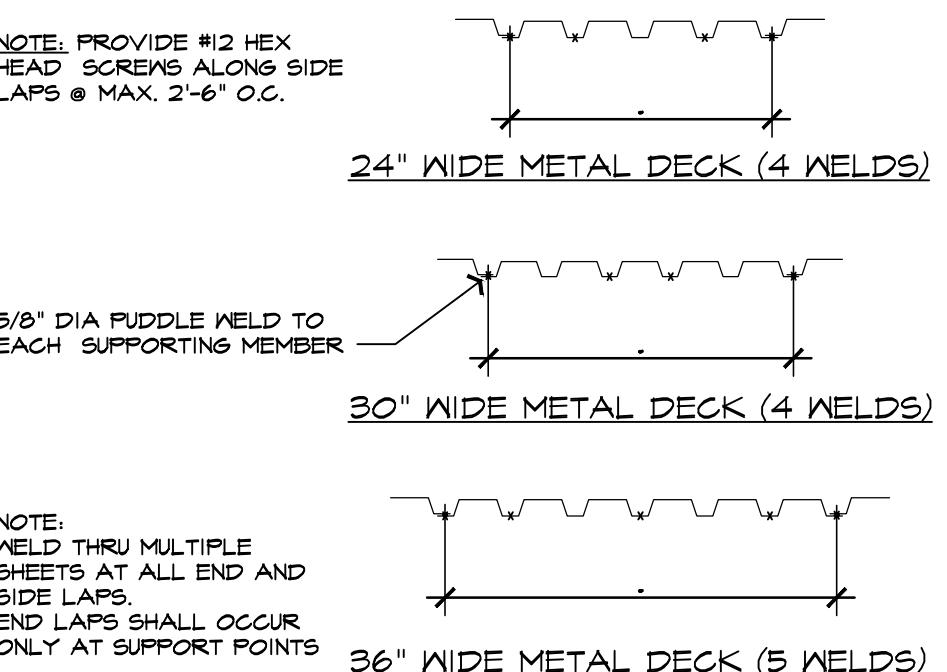
15 TYPICAL SUPPORTED SLAB DETAIL
S.301 NOT TO SCALE



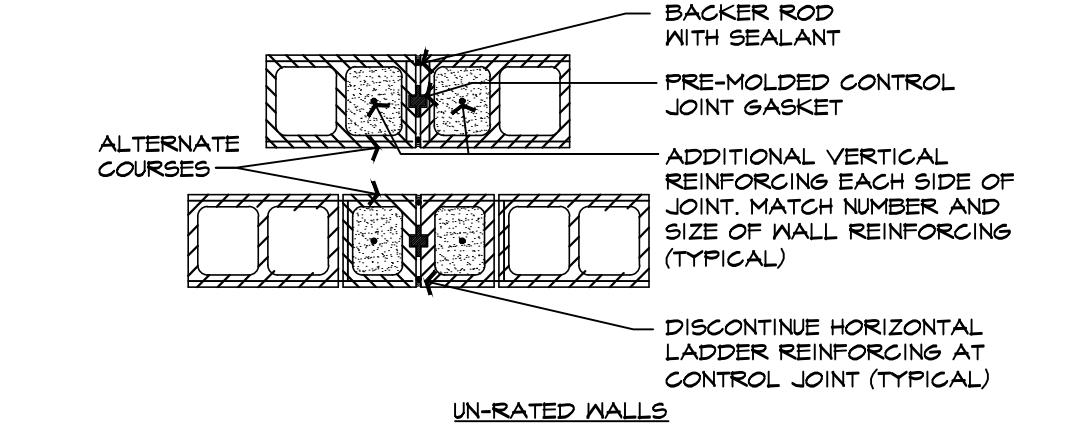
14 TYPICAL JOIST REINFORCING AT CONCENTRATED LOAD
S.301 NOT TO SCALE



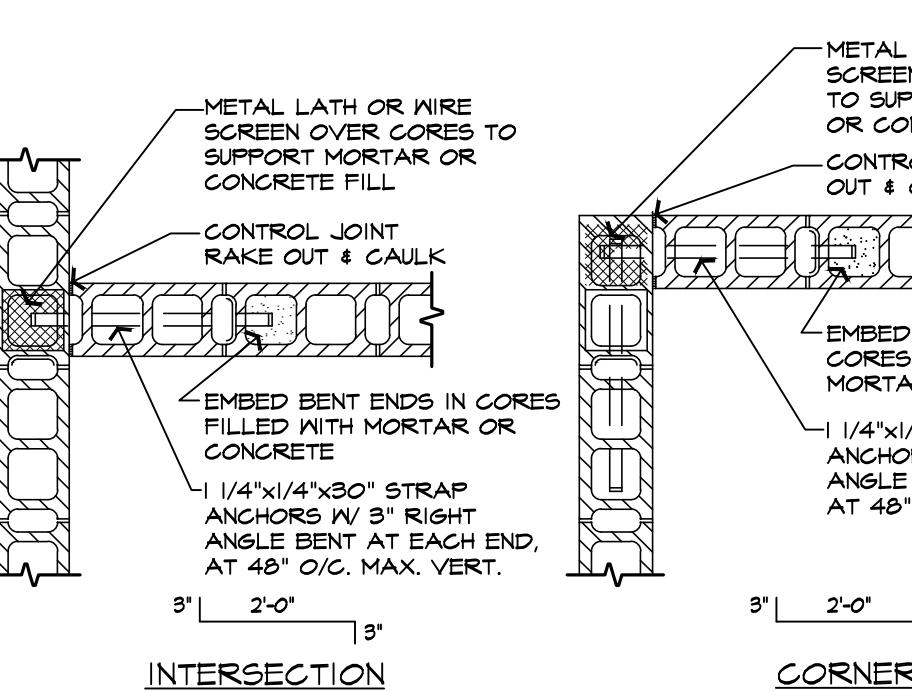
13 TYPICAL ROOF OPENING DETAIL
S.301 NOT TO SCALE



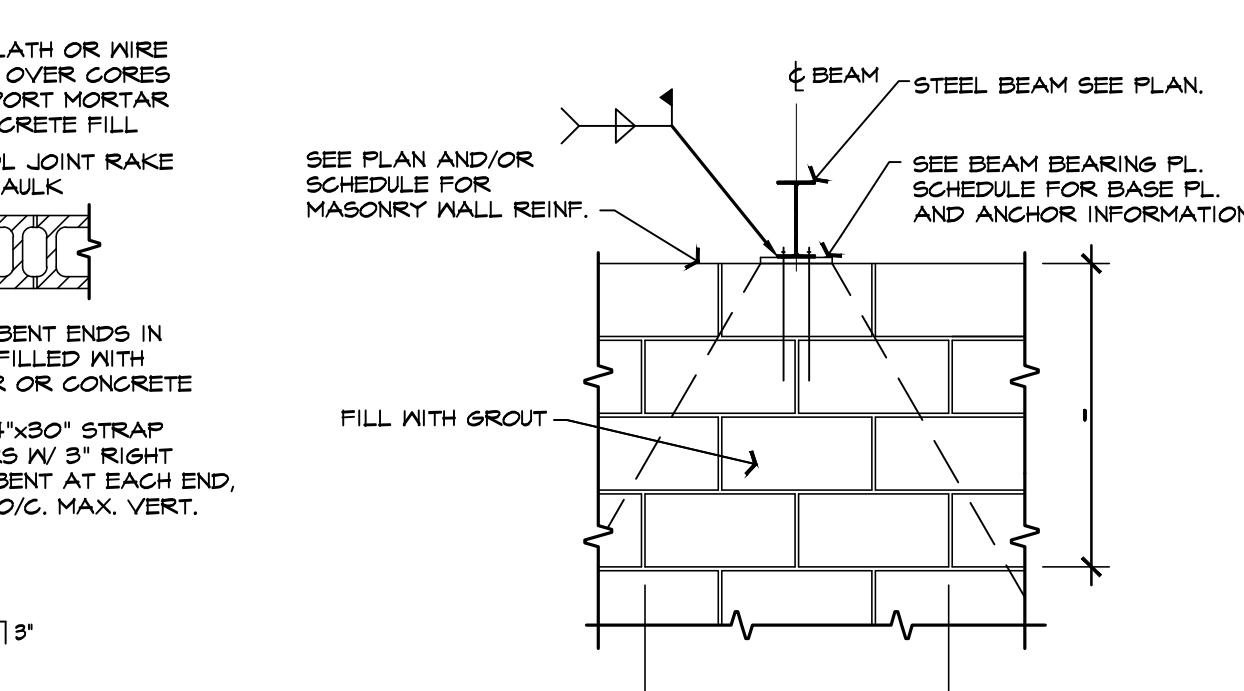
12 TYPICAL METAL ROOF DECK ATTACHMENT DETAIL
S.301 NOT TO SCALE



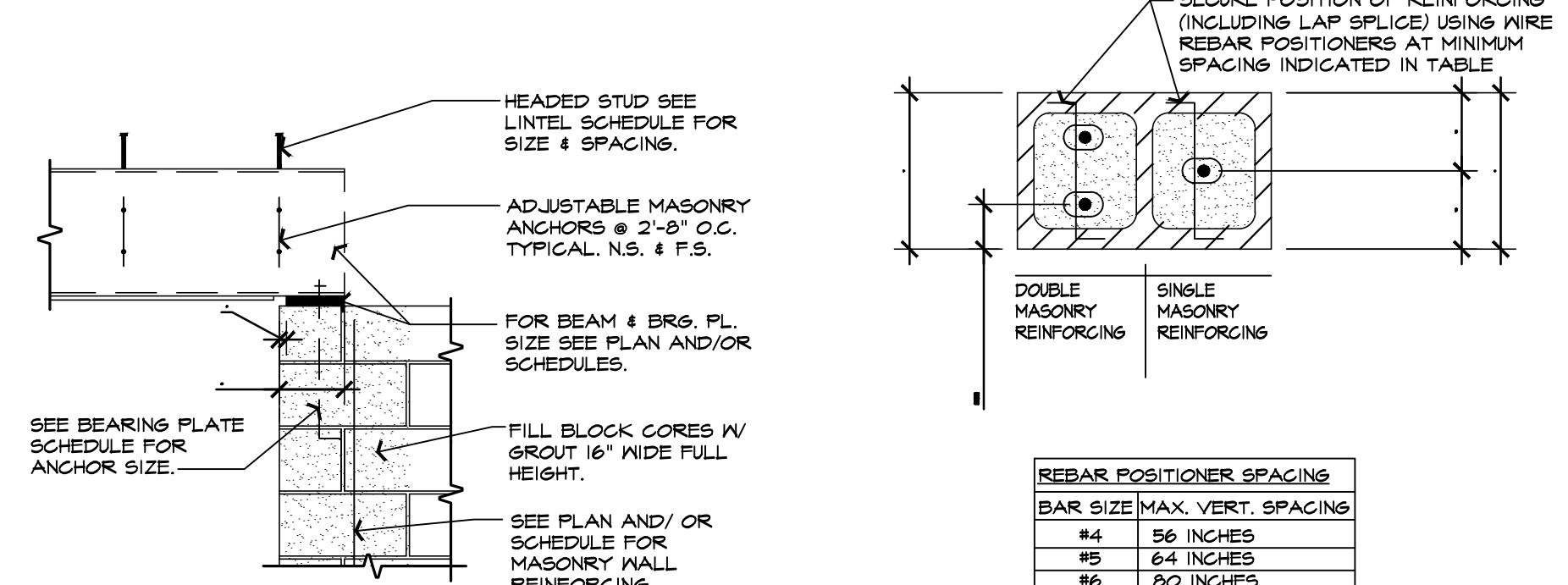
6 TYPICAL MASONRY CONTROL JOINT
S.301 NOT TO SCALE



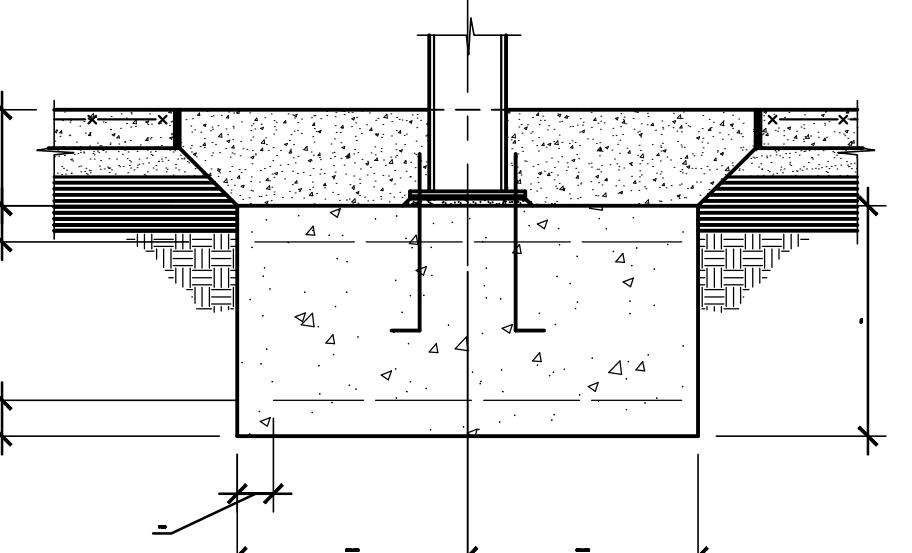
11 TYPICAL PLANS DETAILS @ CMU WALL
S.301 NOT TO SCALE



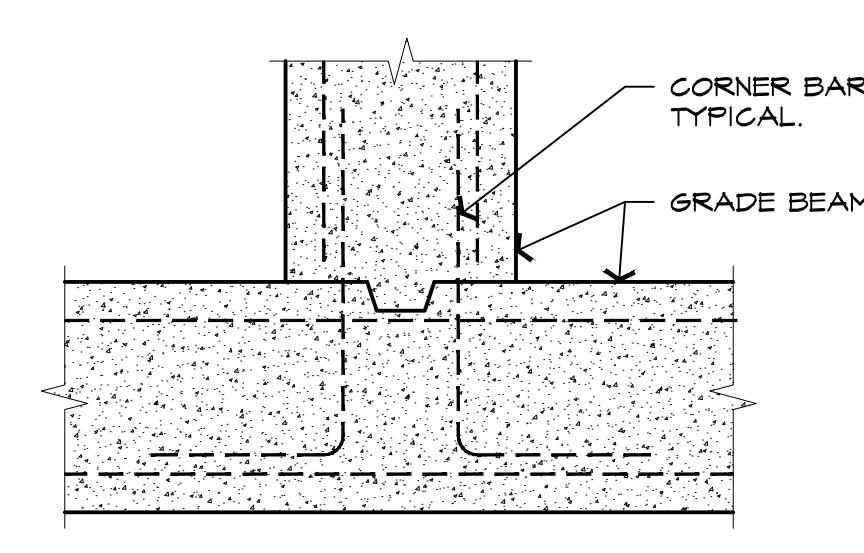
10 TYPICAL GROUTING OF MASONRY WALL AT STEEL BEAM BEARING
S.301 NOT TO SCALE



9 TYPICAL LINTER BEARING DETAIL
S.301 NOT TO SCALE

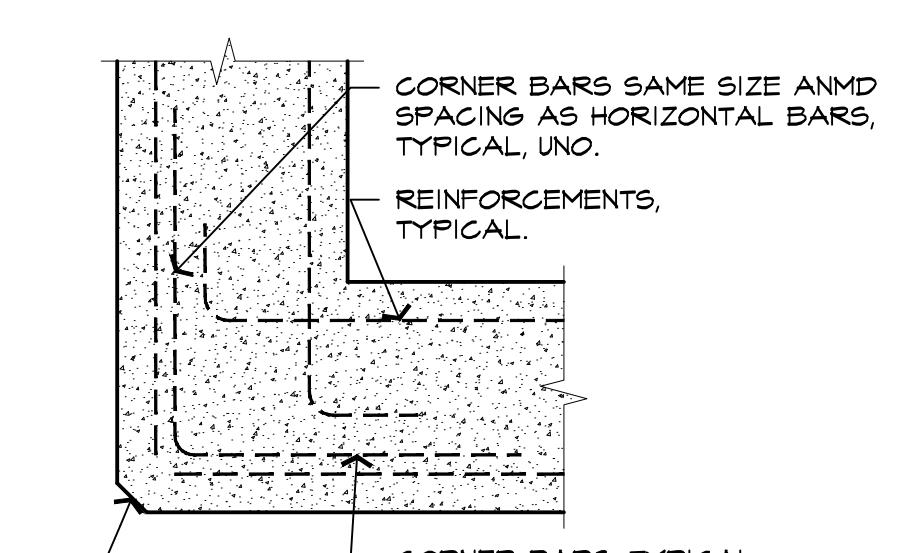


5 FOOTING WITHOUT PIER CURB PERPENDICULAR TO JOIST
S.301 NOT TO SCALE

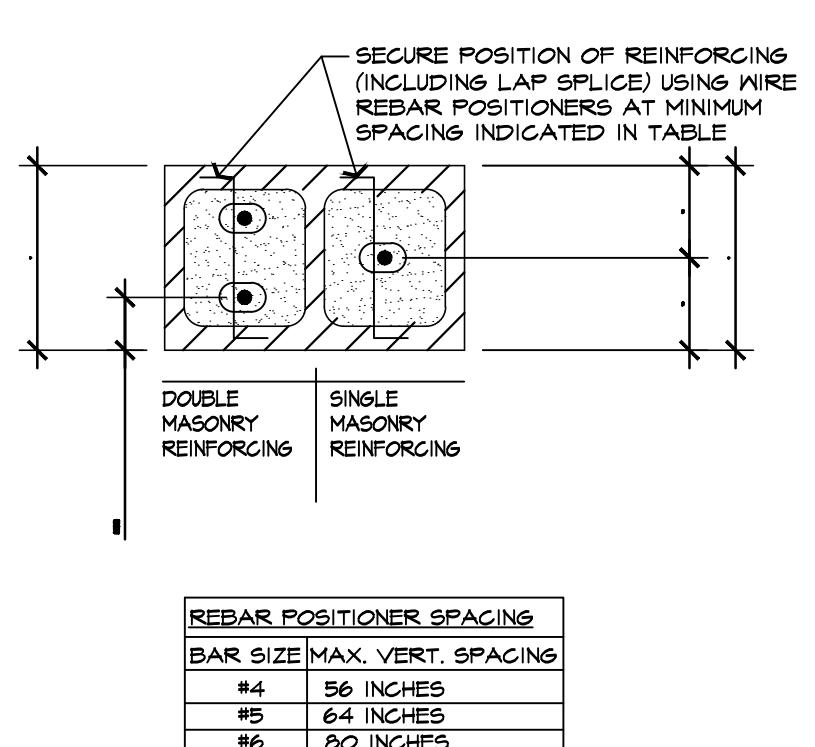


4 TYPICAL INTERSECTION OF TWO GRADE BEAMS
S.301 NOT TO SCALE

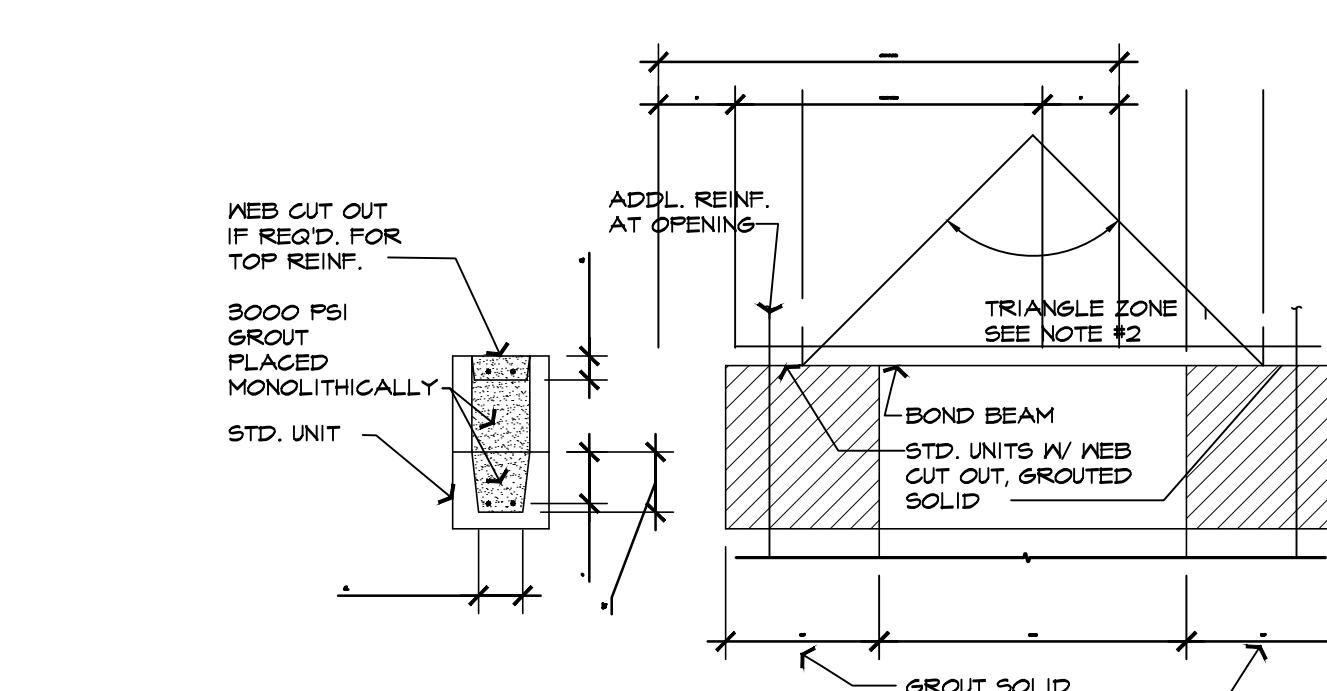
REFER TO FOUNDATION PLAN AND OTHER DETAILS FOR ADDITIONAL REQUIREMENTS THAT ARE NOT DEPICTED ON THESE DETAILS SUCH AS, BUT LIMITED TO, WATER STOPS AND WATER PROOFING.



3 TYPICAL INTERSECTION OF TWO GRADE BEAMS
S.301 NOT TO SCALE

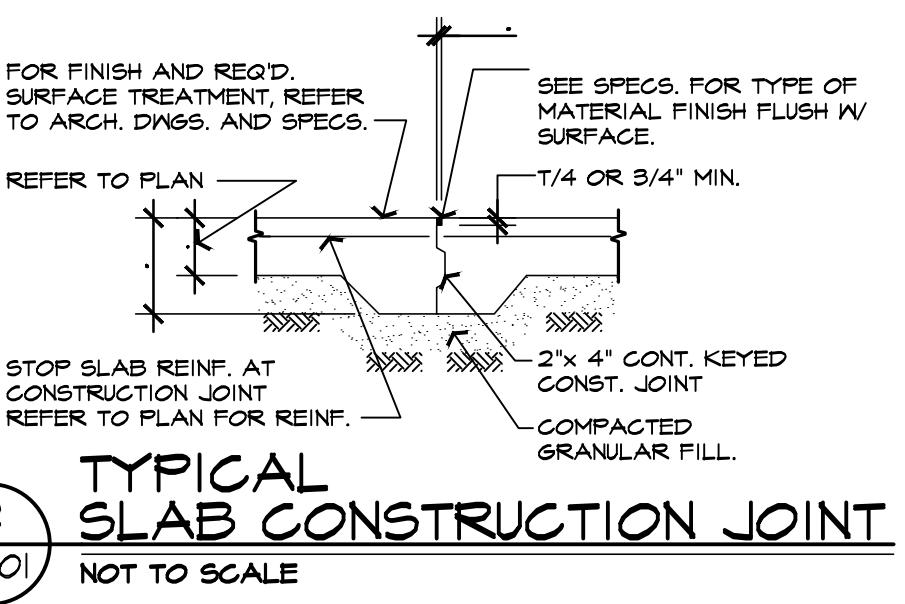


8 TYPICAL WALL REINFORCING
S.301 NOT TO SCALE

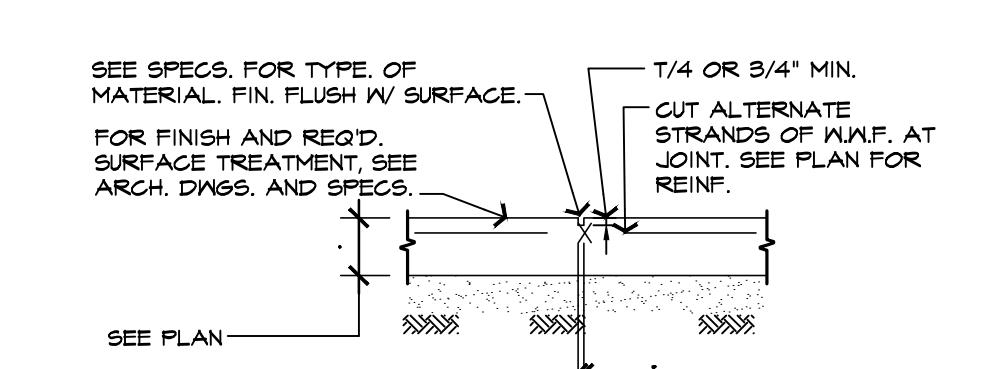


7 TYP. MASONRY LINTER DETAIL
S.301 NOT TO SCALE

- PLACE LINTER BEAMS CENTERED ON BLOCK UNO.
- ALL EXTERIOR LINTER PLATES AND ANGLES TO BE GALVANIZED (G90 COATING)
- LINTELS NOT SPECIFICALLY SIZED BY DRAWINGS AND DETAIL SECTIONS SHALL COMPLY WITH THE FOLLOWING:
 - WALLS OR VENEERS OF 4" OR LESS IN THICKNESS:
 - 5 x 3 1/2 x 3/8 LLV. (EXT. WALLS).
 - WALLS 6" OR MORE IN THICKNESS (FOR EA. 4" WIDTH OF MASONRY THICKNESS) STITCH NELD DOUBLE UNITS TOGETHER @ 12" O.C. ON TOP & BOTTOM.
 - TO 4'-0" INDEP. @ 12" O.C. 5/16 LLV.
 - OVER 4'-0" UP TO 7'-0" WIDE OPENING: IL 3 1/2 x 5 x 5/16 LLV.
 - OVER 7'-0" WIDE OPENING: STRUCTURAL LINTEL REQUIRED.
 - ABOVE LINTELS TO HAVE 8" BEARING @ EACH END.



2 TYPICAL SLAB CONSTRUCTION JOINT
S.301 NOT TO SCALE



1 TYPICAL SLAB CONTROL JOINT
S.301 NOT TO SCALE

