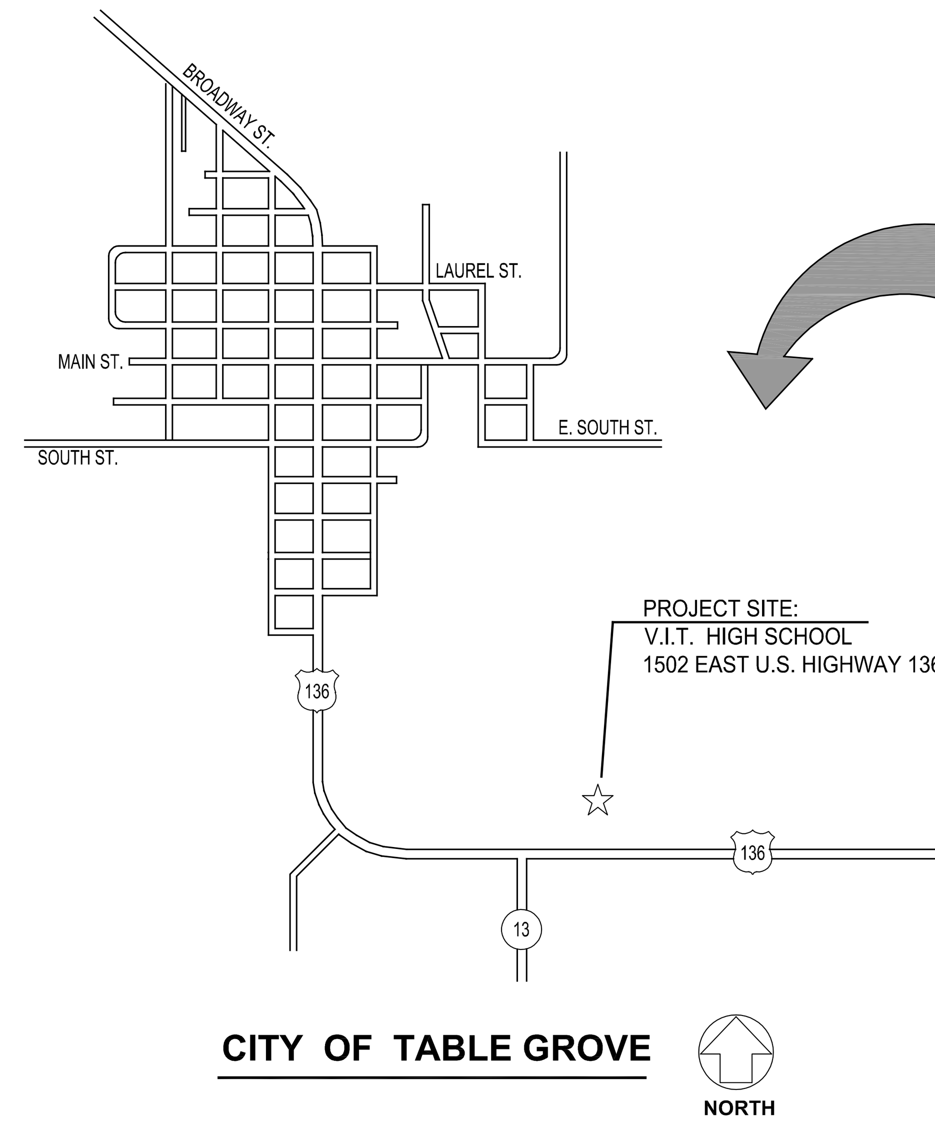
HEALTH AND LIFE SAFETY WORK:
PARKING LOT REPLACEMENT FOR:

V.I.T. COMMUNITY UNIT SCHOOL DISTRICT #2

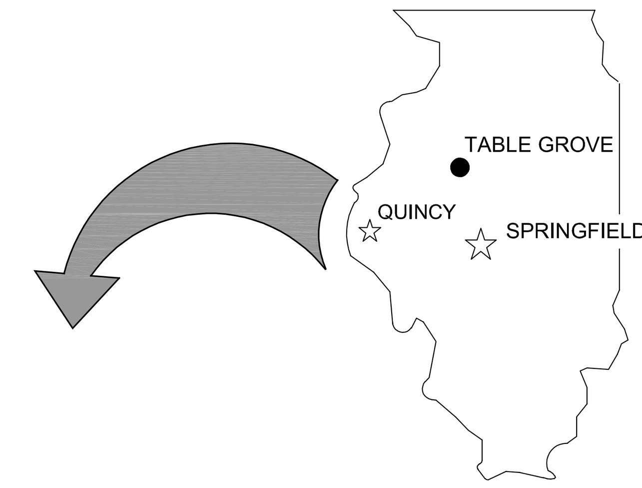
TABLE GROVE, ILLINOIS

PRE-BID MEETING: TUESDAY, MARCH 31, 2020 AT 3:30 P.M.
V.I.T. CUSD #2, 1502 EAST HIGHWAY 136, TABLE GROVE, IL

BIDS DUE: WEDNESDAY, APRIL 8, 2020 AT 3:30 P.M.
V.I.T. CUSD #2, 1502 EAST HIGHWAY 136, TABLE GROVE, IL



CITY OF TABLE GROVE



ILLINOIS

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GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS.
2. ANY DISCREPANCIES BETWEEN STATED AND EXISTING CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT.
3. DISCREPANCIES OR CONFLICTS BETWEEN PROJECT MANUAL AND DRAWINGS SHALL BE MADE KNOWN TO THE ARCHITECT FOR CLARIFICATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THOSE AREAS TO REMAIN UNDISTURBED DURING CONSTRUCTION.
5. WHERE FLOORING MATERIALS OF DISSIMILAR HEIGHT MEET, THE CONTRACTOR IS TO PROVIDE APPROPRIATE TRANSITION STRIP, OR AS SPECIFIED BY ARCHITECT ON DRAWINGS.
6. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS, AS PER THE WRITTEN SPECIFICATIONS, TO MAINTAIN SAFETY AT THE CONSTRUCTION SITE, AND HE IS SOLELY RESPONSIBLE FOR SAFETY MEASURES. THE CONTRACTOR IS ALSO SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND TECHNIQUES REGARDING EXECUTION OF THE WORK.
7. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL AND STATE CODES AND RECEIVE LOCAL AND STATE APPROVAL WHERE NECESSARY PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY, AND STATE BUILDING LAWS, ORDINANCES, OR REGULATIONS.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS, MONUMENTS, HUBS AND STAKED LOT CORNERS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, CAUSED BY HIMSELF, HIS SUBCONTRACTOR, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
11. THE CONTRACTOR MUST UNDERSTAND THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SAME IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY.
12. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK, INCLUDING BARRICADES, WARNING SIGNS, LIGHTS, ETC.
13. BUILDING LAYOUT IS TO BE AS PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PREPARED BY THE ARCHITECT.

A.D.A. COMPLIANCE

THIS PROJECT SHALL BE IN COMPLIANCE WITH GUIDELINES OF THE AMERICANS WITH DISABILITIES ACT (A.D.A./ADAAG.) AND TITLE 17 ILLINOIS ADMINISTRATIVE CODE (I.A.C.) SECTION 400

AMERICANS WITH DISABILITIES ACT (A.D.A./ADAAG)
TITLE 17 ILLINOIS ADMINISTRATIVE CODE (IAC)

ARCHITECHNICS, INC., TO THE BEST OF ITS ABILITY, HAS EXERCISED PROFESSIONAL EFFORTS TO INTERPRET THE INTENT OF THE "AMERICANS WITH DISABILITIES ACT", AND OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REQUIREMENTS. ARCHITECHNICS, INC. CANNOT GUARANTEE TOTAL COMPLIANCE WITH ANY WORK DIRECTLY RELATED TO THE A.D.A., WHEN THE OWNER PERFORMS AND/OR AUTHORIZES WORK DEVIATING FROM THESE DOCUMENTS AND/OR DRAWINGS.

SITE NOTES

C1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFIY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE ARCHITECT AND THE OWNER.

C2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE PARKING LOTS AND ROADWAYS, AND FINISH GRADE ELEVATIONS THROUGHOUT THE ENTIRE SITE.

C3. THE CONTRACTOR SHALL LOCATE AND STAKE THE LAYOUT IN THE FIELD FOR INSPECTION BY THE ARCHITECT. THE CONTRACTOR SHALL NOT PROCEED UNTIL HE RECEIVES WRITTEN APPROVAL FROM THE ARCHITECT.

C4. ALL DIMENSIONS ARE TO FACE OF STRUCTURE/FACE OF CURB, UNLESS NOTED OTHERWISE.

C5. THE CONTRACTOR SHALL CHECK ALL GRADES AND FINAL DIMENSIONS ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO ARCHITECT.

C6. FINISHED GRADES ADJACENT TO BUILDING SHALL HAVE A MINIMUM 2% SLOPE AWAY FROM BUILDING FOR POSITIVE DRAINAGE.

C7. MAXIMUM SLOPE AROUND BUILDING SHALL BE 2:1, UNLESS NOTED OTHERWISE.

C8. ALL SURPLUS TOPSOIL SHALL BE REPLACED ON THE SITE AS APPROVED BY THE OWNER FOR PURPOSES OF LANDSCAPING.

C9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL EXCESS MATERIAL. EXCESS MATERIAL SHALL BE SPREAD AND COMPACTED IN A CONTROLLED FILL CONDITION, IF REQUIRED.

C10. PROVIDE SMOOTH AND UNIFORM TRANSITIONS BETWEEN GRADE CHANGES THROUGHOUT THE ROAD AND PARKING AREAS.

C11. MINIMUM GRADE ON ALL PAVING SHALL BE 1.0%, UNLESS NOTED OTHERWISE.

C12. MAXIMUM GRADE ON ALL PAVING SHALL BE 5.0%, UNLESS NOTED OTHERWISE.

C13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ANY TEMPORARY EROSION CONTROL THAT MAY BE REQUIRED BY STATE OR LOCAL AGENCIES. (SEE EROSION CONTROL NOTE, THIS SHEET).

C14. THE CONTRACTOR SHALL PROVIDE TEMPORARY SEDIMENT MEASURES, AS NECESSARY, TO PROTECT DRAINAGE SYSTEM AND OFFSITE PROPERTIES FROM EXCESSIVE SILTATION DURING CONSTRUCTION. (SEE EROSION CONTROL NOTES).

C15. ALL JOINTS, WHERE NEW SURFACING AND PAVING WORK (CONCRETE AND BITUMINOUS) MEETS EXISTING SURFACES, THE JOINT SHALL BE FLUSH AND SAWCUT.

C16. THE LOCATION OF EXISTING UTILITIES IN CONSTRUCTION AREAS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO COMMENCING WORK. CARE SHALL BE TAKEN TO PROTECT UTILITIES THAT ARE TO REMAIN AND ALL CONSTRUCTION SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY. ANY REPAIR OR RELOCATION SHALL BE ACCOMPLISHED PER LOCAL STANDARD AT THE CONTRACTOR'S EXPENSE.

C17. WATERLINE MINIMUM BURIAL DEPTH OF 4'-0" AT PAVED AREAS.

C18. ALL PIPE SHALL BE BEDDED A MINIMUM BURIAL DEPTH OF 6" WITH APPROVED GRANULAR MATERIAL.

C19. SEWER MAINS TO BE LAID ONLY IN SEWER TRENCHES. WATER MAINS TO BE LAID ONLY IN WATERLINE TRENCHES.

C20. THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE APPROPRIATE UTILITY AUTHORITY ANY COST OF INSPECTION.

C21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING LEGAL PROPERTY CORNERS AND PROPERTY LINES, AND EMPLOY AN ILLINOIS REGISTERED LAND SURVEYOR.

C22. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH ONE SET OF PRINTS MARKED WITH ANY CHANGES FROM ORIGINAL CONTRACT DOCUMENTS.

EROSION CONTROL NOTES

1. EXPOSE AS SMALL AN AREA OF SOIL FOR AS SHORT A TIME AS POSSIBLE.
2. APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING, EXCAVATION, FILLING, OR OTHER LAND DISTURBANCE ACTIVITIES, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES.
3. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
4. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION AT CONTRACTORS EXPENSE.
5. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES SHALL RESULT IN CONSTRUCTION BEING HALTED.
6. EROSION CONTROL SHALL BE PROTECTED BY STAKED STRAW BALES WIRED TOGETHER, DRAINAGE INLETS SHALL BE PROTECTED BY SAME, AND/OR SILT FENCE AND LEFT LOW ENOUGH DURING CONSTRUCTION FOR WATER TO ENTER.
7. ANY ACCESS ROUTES TO SITE SHALL BE BASED WITH CRUSHED
8. EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
9. WHENEVER FEASIBLE, EXISTING VEGETATION SHALL BE RETAINED AND PROTECTED.
10. THE SITE AND ADJACENT PROPERTIES SHALL BE PROTECTED BY THE USE OF STAKED STRAW BALES AND/OR SILT FENCES AS A MINIMUM.

MATERIALS

	PROPERTY CORNER
714	EXISTING CONTOUR
714	NEW CONTOUR
	EARTH
	CRUSHED ROCK
	CONCRETE
	FACE BRICK
	CONCRETE BLOCK
	PARTITION, SEE CODE
2 4	DIMENSION LUMBER
	FINISH LUMBER
	GYPSUM WALLBOARD
	PLYWOOD
	BATT INSULATION
	METALS

ABBREVIATIONS

ABV	ABOVE
A.F.F.	ABOVE FINISHED FLOOR
ADD'N.	ADDITION
A.C.	AIR CONDITIONING
A.H.U.	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
A.D.A.	AMERICANS WITH DISABILITIES ACT
ANCS.	ANCHORS
C.I. ATTEN	ATTENUATED
AUTO.	AUTOMATIC
BM.	BEAM
BR'G.	BEARING
BTW'N	BETWEEN
BITUM.	BITUMINOUS
BLK'G.	BLOCKING
BD.	BOARD
BTM.	BOTTOM
B.P.	BRICK PAVERS
BLDG.	BUILDING
BUR	BUILT-UP ROOF
B.BD.	BULLETIN BOARD
CA.	CARPET
	CAST IRON
CAT	CATALOG
CLG.	CEILING
C.T.	CERAMIC TILE
C.W.B.	CERAMIC WALL BASE
C.B.	CHALK BOARD
CLOS.	CLOSET
C.O.	CLEAN OUT
CO.	COMPANY
COMP.	COMPOSITION
CONC	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
COND	CONDENSATION
CONN.	CONNECTION
CONST.	CONSTRUCTION
C.J.	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR.	CONTRACTOR
COR'D	CORRUGATED
CORR.	CORRIDOR
CNTR.	COUNTER
C.R.	CRUSHED ROCK
C.F.M.	CUBIC FEET PER MINUTE
CTSG	CLEAR TEMPERED SAFETY GLASS
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DIV.	DIVISION
DR.	DOOR
DBL.	DOUBLE
D.S.	DOWN SPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN

EA.	EACH
E.W.	EACH WAY
E.M.R.	ELASTOMERIC MEMBRANE ROOFING
ELEC.	ELECTRIC
E.P.	ELECTRIC PANEL BOARD
E.W.C.	ELECTRIC WATER COOLER
EL	ELEVATION
ELEV.	ELEVATOR
EXH.	EXHAUST
E.F.	EXHAUST FAN
EXIST	EXISTING
E.T.R.	EXISTING TO REMAIN
E. J.	EXPANSION JOINT
EXT	EXTERIOR
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
F.W.C.	FABRIC WALL COVERING
F.V.	FIELD VERIFY
FIN.	FINISH
F.E.C.	FIRE EXTINGUISHER CABINET
FIX.	FIXTURE
FLR.	FLOOR
F.D.	FLOOR DRAIN
FLOUR.	FLUORESCENT
FL.	FLOW
FTG.	FOOTING
FND.	FOUNDATION
G.P.M.	GALLONS PER MINUTE
GALV	GALVANIZED
GA.	GAUGE
G.W.T.	GLAZED WALL TILE
G.B.	GRAB BAR
G.F.B.	GROUND FACE BRICK
GWB	GYPSUM WALLBOARD
H.D.	HAIR/HAND DRYER
HC	HANDICAPPED
HR.	HANDRAIL
HRD.	HARDENED
HDWE.	HARDWARE
H.V.A.C.	HEATING, VENTILATING, & AIR CONDITIONING
HT.	HEIGHT
H.C.T.	HOLLOW CLAY TILE
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
I.A.C.	ILL. ACCESSIBILITY CODE
INC.	INCORPORATED
INSUL.	INSULATION
INSUL.G.	INSULATED GLASS
JAN.	JANITOR
JT.	JOINT
J.F.	JOINT FILLER
JST.	JOIST
J.B.	JUNCTION BOX
LAM.	LAMINATE
LAV.	LAVATORY

LG.	LONG
M.A.U.	MAKEUP AIR UNIT
M.H.	MANHOLE
MFGR.	MANUFACTURER
M.T.	MARBLE TILE
MK.	MARK
M.O.	MASONRY OPENING
MATL.	MATERIAL
MECH.	MECHANICAL
MEMB	MEMBRANE
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.R.	MOISTURE RESISTANT
MTD.	MOUNTED
N.D.	NAPKIN DISPENSER
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
NO.	NUMBER
OFC.	OFFICE
O.C.	ON CENTER
OPG.	OPENING
OPP. HND.	OPPOSITE HAND
OH.	OVERHEAD
PT.	PAINT
PR.	PAIR
PARTN.	PARTITION
PERF.	PERFORATED
P.D.	PRESSURE DROP
PLAS.	PLASTIC
P.S.	PLUMBING STACK
P.V.	PLUMBING VENT
PLYWD.	PLYWOOD
P.I.	POINT OF INTERSECTION
P.V.C.	POLYVINYL CHLORIDE
P.S.F.	POUNDS PER SQUARE FOOT
PREFIN.	PREFINISHED
PROJ. MAN.	PROJECT MANUAL
QTY.	QUANTITY
Q.T.	QUARRY TILE
Q.T.B.	QUARRY TILE BASE
RAD.	RADIUS
RECEP.	RECEPTACLE
REF.	REFERENCE
REINF.	REINFORCEMENT
R.A.	RETURN AIR
R.H.	RIGHT HAND
R.	RISERS
R.D.	ROOF DRAIN
R.B.	RUBBER BASE
R.C.B.	RUBBER COVE BASE
REQD.	REQUIRED
R.O.W.	RIGHT OF WAY
RM.	ROOM
R.I.	ROUGH IN
R.O.	ROUGH OPENING
R.S.T.	RUBBER STAIR TREAD
R.T.	RUBBER TILE

SAN.	SANITARY (SEWER)
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
S.C.	SOLID CORE
SPEC.	SPECIFICATION
S.& V.	STAIN AND VARNISH
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
ST.	STORM (SEWER)
S.G.T.	STRUCTURAL GLAZED TILE
S.A.P.	SUSPENDED ACOUSTICAL PANELS
T.B.	TACK BOARD
T. & S.	TAPE AND SAND
T.D.D.	TELECOMMUNICATIONS DEVICE FOR DEAF
T.G.	TEMPERED GLASS
T.R.G.	TEMPERED REFLECTIVE GLASS
TZ.	TERRAZZO
T.T.	TERRAZZO TILE
TH./THK.	THICK/THICKNESS
T'HOLD	THRESHOLD
T.P.	TOILET PAPER
T. & G.	TONGUE AND GROOVE
T. & B.	TOP AND BOTTOM
TRANS.	TRANSITION
T.	TREADS
TYP.	TYPICAL
TTNG	TEMPERED TINTED GLASS
U.L.	UNDERWRITERS LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
U.P.	UTILITY POLE
V.P.	VAPOR BARRIER
VERT.	VERTICAL
VEST.	VESTIBULE
V.C.T.	VINYL COMPOSITION TILE
V.S.F.	VINYL SHEET FLOORING
V.W.F.	VINYL WALL FABRIC
V.C.P.	VITRIFIED CLAY PIPE
W.C.	WATER CLOSET
W.W.F.	WELDED WIRE FABRIC
W.BD.	WHITE BOARD
W.	WIDTH
WDW.	WINDOW
W.G.	WIRE GLASS
W/	WITH
W/O	WITH OUT
WD.	WOOD
T.	TREADS
TYP.	TYPICAL
U.L.	UNDERWRITERS
U.N.O.	UNLESS NOTED OTHERWISE

ARCHITECHNICS
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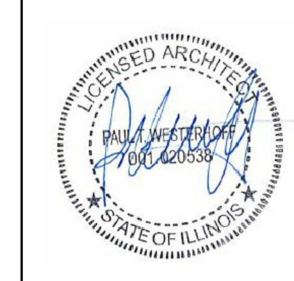
CURRENT DATE: 3/20/2020



LICENSE EXPIRES: 11/30/20

BUILDING ADDITION FOR:
VIT COMMUNITY UNIT SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

CONSTRUCTION DOCUMENT PHASE

NOT FOR CONSTRUCTION

ISSUE DATE: 03/20/2020

REVISIONS

PROJECT NUMBER: 5938

COVER SHEET

DWG. NO.
G101

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GENERAL NOTES

1. STRUCTURAL DRAWINGS ARE TO BE COORDINATED AND USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. SEE MECHANICAL DRAWINGS FOR EQUIPMENT PADS, BASES, SUPPORTS, AND DUCT PENETRATIONS.

2. ARCHITECHNICS, INC. SHALL NOT BE RESPONSIBLE FOR, NOR HAVE CONTROL OR CHARGE OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS PROJECT, AND SHALL NOT BE RESPONSIBLE FOR CONTRACTOR'S FAILURE TO CARRY OUT HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

3. ARCHITECHNICS, INC. SHALL NOT BE RESPONSIBLE FOR, NOR HAVE CONTROL OVER, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, ANY OF THEIR AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

4. THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. ALL SHORING AND BRACING MEMBERS AND CONNECTIONS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT THE IMPOSED LOADS. TEMPORARY MEMBERS AND CONNECTIONS SHALL NOT BE REMOVED UNTIL PERMANENT MEMBERS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE.

5. CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS SHOWN ON THE CONTRACT DRAWINGS FOR THE EXISTING CONSTRUCTION, PRIOR TO THE DETAILING OR FABRICATION OF ANY NEW STRUCTURAL ELEMENT. CONTRACTOR SHALL DOCUMENT ANY CONSTRUCTION-RELATED DISCREPANCIES. CONTRACTOR SHALL FURNISH THE ABOVE INFORMATION IN THE FORM OF DETAILED SKETCHES TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW (28) CALENDAR DAYS PRIOR TO THE SCHEDULED START OF ANY DETAILING OR FABRICATION.

6. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE THE PROJECT LIMITS DURING EXCAVATION AND FOUNDATION CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS, CAUSED BY CONSTRUCTION TECHNIQUES IS THE RESPONSIBILITY OF THE CONTRACTOR.

7. NO FIELD MODIFICATIONS TO ANY STRUCTURAL COMPONENTS SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE ARCHITECT / STRUCTURAL ENGINEER. THIS INCLUDES, BUT IS NOT LIMITED TO REVISIONS DUE TO MISLOCATION, MISFIT, OR ANY OTHER CONSTRUCTION ERRORS.

8. NO OPENING SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAN AS INDICATED ON APPROVED SHOP DRAWINGS) UNTIL THE LOCATION HAS BEEN APPROVED BY THE ARCHITECT / STRUCTURAL ENGINEER.

9. PROVIDE SLEEVE LAYOUTS FOR ALL PENETRATIONS THROUGH STRUCTURAL MEMBERS (ALL TRADES ARE INCLUDED). LAYOUTS ARE TO BE SUBMITTED TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

10. SUPPORT ALL ROOF MOUNTED EQUIPMENT OR EQUIPMENT SUSPENDED FROM FLOORS OR THE ROOF ONLY ON/FROM BEAMS DESIGNATED FOR SUCH PURPOSE. IF NO SUPPORT HAS BEEN DESIGNATED, OR IF A QUESTION ARISES, NOTIFY ARCHITECT / STRUCTURAL ENGINEER PRIOR TO ERECTION OF EQUIPMENT.

11. ALL DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE NOTED. FOR DETAILS AND DIMENSIONS NOT INDICATED ON THE STRUCTURAL DRAWINGS, SEE THE ARCHITECTURAL DRAWINGS.

12. MATERIALS AND EQUIPMENT SHALL BE STORED AND TRANSPORTED IN A MANNER SO AS NOT TO EXCEED THE ALLOWABLE FLOOR OR ROOF LOADING INDICATED IN THE "SCHEDULE OF BUILDING DESIGN LOADS" ON THE CONSTRUCTION DOCUMENTS OR THE ALLOWABLE CAPACITY OF THE CONSTRUCTED MEMBER, WHICHEVER IS SMALLER.

SHOP DRAWINGS

1. ALL SHOP DRAWING SUBMITTALS SHALL BE AS DESCRIBED IN THE PROJECT SPECIFICATIONS OR IN THESE NOTES IF THERE IS NO PROJECT SPECIFICATION.

2. SHOP DRAWINGS AND RELATED MATERIALS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT / STRUCTURAL ENGINEER. THE GENERAL CONTRACTOR SHALL REVIEW ALL SUBMISSIONS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS, MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATION OF CONSTRUCTION, TECHNICAL CONTENT, COORDINATION OF TRADES, DIMENSIONAL ACCURACY, SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL APPROVE AND SO STAMP EACH SUBMISSION

3. THE STRUCTURAL DRAWINGS SHALL NOT BE USED AS THE BACKGROUNDS FOR THE PRODUCTION OF ANY SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW.

4. SUBMIT (1) ONE REPRODUCIBLE AND (1) PRINT FOR REVIEW. (1) ONE REPRODUCIBLE WILL BE RETURNED UPON COMPLETION OF REVIEW. MULTIPLE COPIES OF DRAWINGS WILL NOT BE MARKED-UP WITH REVIEW COMMENTS.

5. ANY DEVIATIONS FROM THE ORIGINAL DESIGN OR DESIGN CRITERIA AS SPECIFIED ON THE CONTRACT DOCUMENTS OF THE PROJECT SHALL BE NOTED (BUBBLED, NOTE, ETC.) ON THE SHOP DRAWINGS THAT ARE SUBMITTED FOR APPROVAL.

6. ALL CHANGES TO RESUBMITTED SHOP DRAWINGS SHALL BE BUBBLED.

STRUCTURAL SYSTEM

1. THE GRAVITY LOADS RESISTING SYSTEM CONSISTS OF METAL ROOF DECK SUPPORTED BY OPEN WEB STEEL ROOF JOISTS AND MASONRY BEARING WALLS.

2. THE LATERAL LOAD RESISTING SYSTEM CONSISTS OF MASONRY SHEAR WALLS.

FOUNDATIONS

1. FOUNDATION DESIGN AND STRUCTURE IS BASED ON THE USE OF CONTINUOUS STRIP FOOTINGS AND SPREAD FOOTINGS APPLYING AN ASSUMED MAXIMUM PRESSURE OF 1,500 POUNDS PER SQUARE FOOT TO THE SOIL.

2. GENERAL CONTRACTOR SHALL EMPLOY A GEOTECHNICAL ENGINEER TO CONFIRM THE SOIL BEARING CAPACITY AND FOR ANY AND ALL REQUIRED TESTING.

3. ALL ENGINEERED FILL IS TO BE COMPACTED TO ACHIEVE THIS BEARING PRESSURE AS VERIFIED BY FIELD TESTING BY A LICENSED GEOTECHNICAL ENGINEER. IF FIELD CONDITIONS DO NOT PROVIDE THIS MINIMUM VALUE, THE ARCHITECT / STRUCTURAL ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.

4. SHOULD UNSUITABLE BEARING CONDITIONS BE ENCOUNTERED DURING EXCAVATION, NOTIFY THE OWNER AND ARCHITECT / STRUCTURAL ENGINEER BEFORE CONTINUING WITH CONSTRUCTION.

5. THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE (1) CONTINUOUS PLACEMENT.

6. ALL SLABS-ON-GRADE SHALL BE PLACED OVER AN EXTREME LOW PERMEANCE VAPOR BARRIER, 15 MIL MINIMUM THICKNESS, OVER A BASE/SUBBASE AS SPECIFIED BY THE GEOTECHNICAL ENGINEER FOR THE PROJECT. EXISTING SUBBASE WILL BE COMPACTED IN PLACE OR WILL BE CUT OUT AND REPLACED WITH AN ENGINEERED FILL AS SPECIFIED BY A GEOTECHNICAL ENGINEER.

7. THE CONTRACTOR MUST PROVIDE SURFACE DRAINAGE AND PUMPS TO PROTECT ALL EXCAVATION FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER APPROVAL OF THE SUBGRADE WILL BE CAUSE FOR COMPLETE RE-PREPARATION AND RE-APPROVAL OF THE SUBGRADE.

8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.

9. THE CONTRACTOR SHALL REVIEW ALL EXISTING SITE CONDITIONS AND ESTABLISH SPECIFIC "CONSTRUCTION PROCEDURES AND SEQUENCES" FOR THE EXCAVATION, COMPACTION, FILL AND INSTALLATION OF THE NEW BUILDING FOUNDATION. SUBMIT THESE FOR REVIEW TO THE SOIL TESTING LABORATORY, OWNER'S REPRESENTATIVE, ARCHITECT / STRUCTURAL ENGINEER. THE CONTRACTOR'S DESIGN, MEANS AND METHODS FOR FOUNDATION CONSTRUCTION SHALL MINIMIZE SETTLEMENT OF ADJACENT CONSTRUCTION. THE CONTRACTOR SHALL BEAR SOLE RESPONSIBILITY FOR ALL REMEDIAL WORK RESULTING FROM SUCH SETTLEMENT.

10. RECORDS OF ANY EXISTING SUBGRADE INTERFERENCES OTHER THAN THOSE INTERFERENCES SHOWN OR INDICATED ON THE CONSTRUCTION DOCUMENTS, ARE NOT CURRENTLY AVAILABLE. DURING EXCAVATION WORK, INTERFERENCES MAY BE DISCOVERED. CONTRACTOR SHALL DOCUMENT CONSTRUCTION- RELATED DIMENSIONS OF ALL INTERFERENCES. CONTRACTOR TO FURNISH THE ABOVE INFORMATION IN THE FORM OF DETAILED SKETCHES TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW.

11. REFER TO THE SPECIFICATIONS SECTION OF THESE NOTES FOR THE FOUNDATION TESTING AND INSPECTION REQUIREMENTS.

STRUCTURAL CONCRETE

1. CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS:

A. ACI 301 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE A FOR BUILDINGS"
B. ACI 302 - "RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION"
C. ACI 304 - "ACI MANUAL OF CONCRETE INSPECTION"
D. ACI 311 - "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE"
E. ACI 315 - "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
F. ACI 318 - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
G. ACI 347 - "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK"

2. PROVIDE CONCRETE TO OBTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:

A. SPREAD FOOTINGS...f'c = 4000 PSI
B. WALL FOOTINGS...f'c = 4000 PSI
C. FOUNDATION WALLS...f'c = 4000 PSI
D. INTERIOR SLABS-ON-GRADE.......................................f'c = 4000 PSI

3. EXTERIOR FLATWORK, STAIRS, RAMPS, ETC. SHALL HAVE A WATER/CEMENT RATIO ≤ 0.40

4. LABORATORY TEST REPORTS OR MATERIAL CERTIFICATES FOR CONCRETE MATERIALS AND MIX DESIGN TEST DATA, IN CONFORMANCE WITH ACI STANDARDS, SHALL BE SUBMITTED FOR REVIEW FOR EACH TYPE OF CONCRETE TO BE USED. EACH SUBMITTED MIX DESIGN SHALL IDENTIFY THE APPLICATION FOR WHICH THE MIX WILL BE USED.

5. ALL CONCRETE SHALL BE NORMAL WEIGHT UNLESS NOTED OTHERWISE.

6. ALL CONCRETE ELEMENTS SUBJECT TO FREEZING AND THAWING DURING CONSTRUCTION OR OVER THE SERVICE LIFE OF THE STRUCTURE SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE AS SPECIFIED IN ACI-318, PART 3.

7. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.

8. THE CONTRACTOR SHALL SUBMIT CHECKED, DETAILED REINFORCEMENT SHOP DRAWINGS SHOWING THE LOCATIONS AND DETAILING OF ALL FOOTINGS, WALLS, PIERS, BEAMS, COLUMNS, SLABS, CONSTRUCTION JOINTS, CONTROL JOINTS, ETC., PRIOR TO FABRICATION. DETAILS SHALL INCLUDE STEEL SIZES, LAPS, SPACING AND PLACEMENT.

STRUCTURAL CONCRETE (CON'T)

9. THE MINIMUM CONCRETE COVER FOR CAST-IN-PLACE (NON-PRESTRESSED) CONCRETE SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..3"

B. CONCRETE EXPOSED TO EARTH OR WEATHER:
i. NO. 6 THROUGH NO. 18 BARS...2"
ii. NO. 5 BAR, W31 OR D31 WIRE, AND SMALLER...1 1/2"

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
i. SLABS, WALLS, JOISTS:
NO. 14 AND NO. 18 BARS..1 1/2"
NO. 11 BAR AND SMALLER..3/4"
ii. BEAMS, COLUMNS:
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS...1 1/2"
iii. SHELLS, FOLDED PLATE MEMBERS:
NO. 6 THROUGH NO. 18 BARS...2"
NO. 5 BAR, W31 OR D31 WIRE, AND SMALLER...1 1/2"

10. PROVIDE ADEQUATE BOLSTERS, HI-CHAIRS, SUPPORT BARS, ETC., TO MAINTAIN SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING BARS. PROVIDE CONTINUOUS #4 SPACER BARS IN WALLS AND SLABS TO SUPPORT DOWELS.

11. PROVIDE PLASTIC TIPPED ACCESSORIES FOR REINFORCEMENT AT ALL FACES OF EXPOSED CONCRETE, INTERIOR OR EXTERIOR.

12. ALL FIELD BENDING OF REINFORCEMENT SHALL BE DONE COLD. HEATING OF BARS WILL NOT BE PERMITTED.

13. ALL CONSTRUCTION JOINTS, EXCLUDING SLAB-ON-GRADE CONSTRUCTION JOINTS, SHALL BE WIRE BRUSHED, CLEANED, MOISTENED AND A CONCRETE SLURRY APPLIED IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.

14. CONTROL AND CONSTRUCTION JOINTS IN NON-STRUCTURAL SLABS-ON-GRADE SHALL BE PROVIDED AS SHOWN ON DRAWINGS AND DETAILS. CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 15'-0" ON CENTER IN ANY DIRECTION. SAWED CONTROL JOINTS SHALL BE OF THE SOFT-CUT TYPE, 0.25 TIMES THE SLAB THICKNESS DEEP, AND CUT AS SOON AS PRACTICAL WITHOUT DISLODGING THE COARSE AGGREGATE AS PART OF THE FINISHING OPERATION. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS INDICATING ALL CONTROL JOINTS FOR ALL SLAB-ON-GRADE CONSTRUCTION FOR REVIEW PRIOR TO CONSTRUCTING ALL SLABS-ON-GRADE.

15. CONCRETE SLABS-ON-GRADE SHALL BE A MINIMUM OF 5" INCH THICKNESS UNLESS NOTED OTHERWISE. CONCRETE FOR SLAB-ON-GRADE CONSTRUCTION SHALL USE A DESIGN MIX THAT INCORPORATES 1" MAXIMUM SIZE AGGREGATE, WELL GRADED AND TYPE I CEMENT. THE MIX SHALL CONTAIN NO ADMIXTURES THAT EXACERBATE SHRINKAGE. PLACEMENT SLUMP FOR THE CONCRETE SHALL BE 5" MAXIMUM AT THE POINT OF PLACEMENT.

16. AT EXPOSED CONCRETE ELEMENTS, SEE PROJECT SPECIFICATIONS FOR TYPE OF CONCRETE FINISHING REQUIRED.

17. IF STRUCTURAL CONCRETE MEMBERS (FRAMED SLABS, WALLS, AND BEAMS) ARE NOT CONSTRUCTED IN ONE CONTINUOUS POUR THE VERTICAL CONSTRUCTION JOINT BETWEEN POURS SHALL BE CONTINUOUSLY KEYED, INTERMITTENTLY KEYED FOR WALLS, AND PLACED WITHIN THE MIDDLE FIFTH OF SPANS AND SHALL BE SHORED UNTIL THE MEMBER HAS ATTAINED MINIMUM 28 DAY STRENGTH. SEE TYPICAL CONSTRUCTION JOINT DETAIL. OTHER LOCATIONS MUST BE REVIEWED BY THE ARCHITECT / STRUCTURAL ENGINEER. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN BEAMS AND SLABS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS.

18. PITCH ALL SLABS TO DRAINS WHERE DRAINS ARE INDICATED ON CONTRACT DRAWINGS.

19. ADDITIONAL BARS SHALL BE PROVIDED AT ALL OPENINGS IN SLABS-ON-GRADE AND CONCRETE WALLS. AT ALL OPENINGS, PROVIDE MINIMUM OF (2) - #4 BARS AT EACH SIDE EXTENDING 2'-0 BEYOND EACH SIDE OF OPENING.

20. ADDITIONAL BARS PROVIDED: CORNER BARS MATCHING TO HORIZONTAL BARS SHALL BE PROVIDED AT ALL WALL CORNERS AND INTERSECTIONS.

21. AT SLABS-ON-GRADE PROVIDE ADDITIONAL REINFORCING AT RE-ENTRANT CORNERS. PROVIDE MINIMUM OF (2) - #4 BARS, 4'-0 LONG CENTERED ABOUT CORNER.

22. NO ALUMINUM OF ANY TYPE SHALL BE ALLOWED IN THE CONCRETE WORK, UNLESS COATED TO PREVENT ALUMINUM CONCRETE REACTION.

23. UNLESS OTHERWISE NOTED ON THE DRAWINGS, SLEEVES FOR PIPES AND CONDUITS PENETRATING CONCRETE WALLS SHALL BE STEEL PIPE SLEEVES OF NOMINAL DIAMETER 2 INCHES LARGER THAN THE NOMINAL SIZE OF THE PIPE PENETRATING THE STRUCTURAL MEMBER. THE THICKNESS OF THE SLEEVE SHALL CONFORM TO SCHEDULE 40 BUT NEED NOT BE MORE THAN 3/8 INCH. ALL SUCH SLEEVE LOCATIONS SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

24. NO CONSTRUCTION SHALL BE MADE WITHOUT REINFORCEMENT. UNLESS OTHERWISE NOTED, THE FOLLOWING PERCENTAGE OF THE GROSS CROSS SECTIONAL AREA SHALL BE PROVIDED AS MINIMUM REINFORCEMENT:

A. SLABS: TOP & BOTTOM..0.20%
B. BEAMS: TOP & BOTTOM..0.33%
STIRRUPS..#3@D" (D=MEMBER DEPTH)
C. COLUMNS: VERTICAL..1.00%
TIES..#3@10"
D. WALLS: VERTICAL...0.12% (#5's)
HORIZONTAL...0.20% (#5's)
E. FOOTINGS: HORIZONTAL..0.18% (#5's)

25. ALL REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL, CONFORMING TO ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE.

26. ALL BAR DETAILING AND ACCESSORIES TO BE FURNISHED SHALL CONFORM TO TYPICAL DETAILS IN THE LATEST ACI STANDARD 315 DETAILING MANUAL, EXCEPT AS OTHERWISE SHOWN, NOTED, OR SPECIFIED.

27. WELDED WIRE FABRIC SHALL CONFORM TO ASTM SPECIFICATIONS A185. ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO PANELS AT EDGES AND ENDS, AND TIED SECURELY.

STRUCTURAL CONCRETE (CON'T)

28. DETAILING AND ACCESSORIES SHALL CONFORM TO THE ACI DETAILING MANUAL AND TO THE CRSI MANUAL OF STANDARD PRACTICE. CURRENT EDITIONS, UNLESS OTHERWISE NOTED BELOW, ON THE DRAWINGS, OR IN THE SPECIFICATIONS.

29. ALL HOOKS SHALL BE "STANDARD" AS PER ACI STANDARD.

30. THE MINIMUM LENGTH OF ALL SPLICES NOT DIMENSIONED ON THE DRAWINGS SHALL BE AS FOLLOWS:

BAR SIZE	f'c	SLAB/BEAM		WALL		COLUMN VERTICAL
		TOP	OTHER	VERT.	HORIZ.	
#4	4000	26"	21"	21"	26"	-
	5000	24"	19"	19"	24"	
	6000	23"	17"	17"	23"	
#5	4000	33"	25"	25"	33"	19"
	5000	30"	23"	23"	30"	
	6000	28"	21"	21"	28"	
#6	4000	39"	30"	30"	39"	23"
	5000	36"	28"	28"	36"	
	6000	33"	25"	25"	33"	
#7	4000	71"	55"	55"	71"	27"
	5000	64"	50"	50"	64"	
	6000	59"	45"	45"	59"	
#8	4000	81"	63"	63"	81"	30"
	5000	73"	56"	56"	73"	
	6000	67"	51"	51"	67"	
#9	4000	91"	71"	71"	91"	34"
	5000	82"	63"	63"	82"	
	6000	75"	58"	58"	75"	
#10	4000	102"	78"	78"	102"	38"
	5000	90"	71"	71"	90"	
	6000	82"	64"	64"	82"	
#11	4000	111"	86"	86"	111"	42"
	5000	99"	77"	77"	99"	
	6000	91"	71"	71"	91"	

NOTES:
A. TOP BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE SPLICE.

B. FOR EPOXY COATED BARS MULTIPLY THE LAP LENGTHS SHOWN IN THE TABLE ABOVE BY 1.3 FOR TOP BARS AND 1.5 FOR OTHER BARS.

C. WHERE BARS OF DIFFERENT SIZE ARE TO BE SPLICED, THE SPLICE LENGTH FOR ALL BARS SHALL BE THAT REQUIRED FOR THE LARGER BAR.

D. SPLICE LENGTHS SHALL BE SPECIFICALLY DIMENSIONED AT ALL LOCATIONS ON THE SHOP DRAWINGS.

E. FOR CONCRETE STRENGTH BETWEEN LISTED VALUES, USE MINIMUM SPLICE LENGTH OF HIGHER LISTED VALUE.

31. EPOXY ADHESIVE EMBEDDED DOWELS SHALL USE HILTI HY 150 ADHESIVE WITH THE FOLLOWING MINIMUM EMBEDMENT DEPTHS, UNLESS NOTED OTHERWISE:

#3 - 3" #8 - 9"
#4 - 5" #9 - 10"
#5 - 6" #10 - 12"
#6 - 7" #11 - 14"
#7 - 8"

32. REFER TO THE SPECIFICATION SECTION OF THESE NOTES FOR THE CONCRETE TESTING AND INSPECTION REQUIREMENTS.

POST INSTALLED ANCHORS

1. WHERE EPOXY SYSTEM IS INDICATED ON THE PLANS OR DETAILS, USE HILTI HY-150 ADHESIVE IN CONCRETE AND SOLID GROUTED MASONRY UNLESS NOTED OTHERWISE. THE CONTRACTOR MAY SUBMIT SUBSTITUTE EPOXY SYSTEMS FOR APPROVAL PROVIDED THEY MEET OR EXCEED THE CAPACITY OF HILTI HY-150 ADHESIVE.

2. DRILL HOLES TO EPOXY MANUFACTURER'S RECOMMENDED SIZE. CLEAN HOLES WITH A CIRCULAR WIRE OR NYLON BRUSH AND BLOW OUT WITH COMPRESSED AIR.

3. WHERE MECHANICAL EXPANSION ANCHORS ARE INDICATED ON THE PLANS OR DETAILS, USE HILTI KWIK BOLT-III IN CONCRETE UNLESS NOTED OTHERWISE. THE CONTRACTOR MAY SUBMIT SUBSTITUTE EXPANSION ANCHOR SYSTEMS FOR APPROVAL PROVIDED THEY MEET OR EXCEED THE CAPACITY OF HILTI KWIK BOLT III'S.

4. POST INSTALLED ANCHORS MUST BE INSTALLED USING THE SPACING AND EDGE DISTANCES GIVEN ON THE PLANS OR DETAILS. IF FIELD CONDITIONS DICTATE THAT THE ANCHOR SPACING OR EDGE DISTANCES BE MODIFIED, THE CONTRACTOR SHALL SUBMIT A FIELD SKETCH TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW PRIOR TO MAKING ANY MODIFICATIONS.

STRUCTURAL STEEL

1. FURNISH STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN (ASD OR LRFD), FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND AISC CODE OF STANDARD PRACTICE, LATEST EDITIONS.

2. THE STEEL FABRICATOR/ERECTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS SHOWN ON THE CONTRACT DRAWINGS FOR THE EXISTING CONSTRUCTION, PRIOR TO THE DETAILING OR FABRICATION OF ANY NEW STRUCTURAL ELEMENT. THE STEEL FABRICATOR/ERECTOR SHALL DOCUMENT ANY CONSTRUCTION RELATED DISCREPANCIES. THE STEEL FABRICATOR/ERECTOR SHALL FURNISH THE ABOVE INFORMATION IN THE FORM OF DETAILED SKETCHES TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW. THERE SHALL BE RESOLUTION TO THE NOTED DISCREPANCIES PRIOR TO FABRICATION OF ANY NEW STRUCTURAL ELEMENTS.

3. STRUCTURAL STEEL SHALL BE AS INDICATED BELOW U.N.O.:

STRUCTURAL SHAPE/MATERIAL	ASTM SPECIFICATION
W-SHAPE	A992
CHANNELS	A36
ANGLES	A36
STEEL PIPE	A53, GRADE B
ROUND HSS	A500, GRADE B
SQUARE & RECTANGULAR HSS	A500, GRADE B
PLATE MATERIAL	A36
ANCHOR BOLT ASSEMBLIES	F1554, GRADE 36

STRUCTURAL STEEL (CON'T)

4. ALL STRUCTURAL STEEL FRAMEWORK INCLUDED IN THESE DOCUMENTS ARE CLASSIFIED AS NON-SELF-SUPPORTING. ALL CONNECTIONS SPECIFIED HEREIN ARE BASED ON LOADING CONDITIONS OF THE FULLY COMPLETED STRUCTURE IN ITS ENTIRETY INCLUDING THE FUNCTIONS OF THE COLUMN BASE PLATES AND ANCHOR BOLTS. INSTABILITIES CAN BE EXPECTED DURING THE ERECTION PROCESS DUE TO LACK OF INSTALLED ROOF, FLOOR, WALL AND SLAB DIAPHRAGMS AS WELL AS STEEL BRACINGS, CONNECTION RIDIGITIES AND OTHER SUCH STABILIZING ELEMENTS. THE GENERAL CONTRACTORRS, OTHERÛ SHALL IDENTIFY THE SEQUENCE AND SCHEDULING OF CONSTRUCTION ITEMS AND COORDINATE THE ACTIVITIES OF ALL TRADES INCLUDING THE STEEL FABRICATOR AND ERECTOR. THE ERECTOR SHALL SUBMIT AN ERECTION PLAN AND A TEMPORARY BRACING SCHEME TO THE CONTRACTOR AND OWNER WHICH IS FOR RECORD PURPOSES ONLY. THIS SUBMITTAL WILL NOT BE REVIEWED AND IS NOT A DESIGN FUNCTION OF THE ARCHITECT / STRUCTURAL ENGINEEROF RECORD.

5. THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ARCHITECT/STRUCTURAL ENGINEER, FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL ELEMENTS.

6. ALL BEAMS AND JOISTS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP. PROVIDE FABRICATED CAMBERS AS INDICATED ON THE DRAWINGS.

7. AFTER FABRICATION, ALL STEEL SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE, AND OTHER FOREIGN MATERIALS. STEEL SHALL BE PRIMED AND PAINTED AS OUTLINED IN THE PROJECT SPECIFICATIONS. STEEL TO RECEIVE SPRAY-ON FIREPROOFING SHALL NOT BE PRIMED OR PAINTED.

8. WELDING SHALL BE PERFORMED WITH E70XX LOW HYDROGEN ELECTRODES. ALL WELDING SHALL BE PERFORMED BY CERTIFIED/QUALIFIED WELDERS AND SHALL CONFORM TO THE AWS D1.1," STRUCTURAL WELDING CODE-STEEL," LATEST EDITION.

9. MINIMUM FILLET WELD SIZE SHALL COMPLY WITH THE AISC SPECIFICATION REQUIREMENTS, BUT SHALL NOT BE LESS THAN 3/16 INCH UNLESS NOTED OTHERWISE.

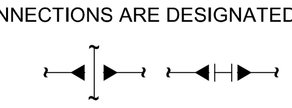
10. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF "AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS," LATEST EDITION. ALL BOLT HOLES SHALL BE "SHORT SLOTTED", UNLESS NOTED OTHERWISE.

11. ALL STEEL BEAM AND GIRDER CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UTILIZING HIGH STRENGTH BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS EXCLUDED FROM THE SHEAR PLANE UNLESS NOTED OTHERWISE. BOLTS ARE TO BE TIGHTENED TO THE "SNUG TIGHT" CONDITION UNLESS NOTED AS "SLIP CRITICAL (SC)". BOLTS DESIGNATED AS "SLIP CRITICAL" ARE TO BE TIGHTENED PER THE ABOVE MENTIONED BOLT SPECIFICATION.

12. BOLTED CONNECTIONS SHALL USE A MINIMUM OF (2) 3/4"Ø BOLTS UNLESS NOTED OTHERWISE.

13. PROVIDE CONNECTIONS AS DETAILED ON THE DESIGN DRAWINGS. ALTERNATE CONNECTION DESIGNS MAY BE SUBMITTED BY THE CONTRACTOR. THE ALTERNATE DESIGNS MUST BE PROPERLY ENGINEERED AND CALCULATIONS SEALED BY A QUALIFIED ARCHITECT / STRUCTURAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. THE DESIGN BY THE SPECIALTY ARCHITECT / STRUCTURAL ENGINEER AND THE REVIEW BY THE ARCHITECT / STRUCTURAL ENGINEER OF RECORD OF ANY ALTERNATE CONNECTIONS WILL BE AT THE CONTRACTOR'S EXPENSE.

14. BEAM TO GIRDER AND BEAM OR GIRDER TO COLUMN MOMENT CONNECTIONS ARE DESIGNATED ON THE PLANS AS THUS:



15. THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT / STRUCTURAL ENGINEER OF RECORD.

16. STEEL WORK TO SLOPE IN ACCORDANCE WITH ELEVATIONS GIVEN ON STRUCTURAL DRAWINGS.

17. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL NOT SHOWN ON STRUCTURAL DRAWINGS.

18. PAINT SYSTEM FOR "EXPOSED TO OUTSIDE ATMOSPHERE" STRUCTURAL STEEL COMPONENTS:

A. SURFACE PREPARATION - CLEAN SURFACES PER SSPC SP NO. 6 POWER TOOL CLEANING.
B. PRIME COAT: MINIMUM DRY FILM THICKNESS = 1.75 MILS. SHOP PRIME SURFACES OF STEEL AS REQUIRED BY PROJECT SPECIFICATIONS. USE PRIME COAT COMPATIBLE WITH FIREPROOFING SYSTEM WHERE APPLICABLE.
C. FINISH COAT: SEE PROJECT SPECIFICATIONS.

19. REFER TO THE TESTING AND INSPECTION SECTION OF THESE NOTES FOR THE STRUCTURAL STEEL TESTING AND INSPECTION REQUIREMENTS.

JOISTS

1. FURNISH STEEL JOISTS IN CONFORMANCE WITH THE "STANDARD SPECIFICATIONS FOR STEEL JOISTS AND JOIST GIRDERS", LATEST EDITION, AS ADOPTED BY THE STEEL JOIST INSTITUTE AND AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

2. FABRICATION AND ERECTION OF STEEL JOISTS SHALL BE IN ACCORDANCE WITH "RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS," LATEST EDITION.

3. STEEL JOISTS SHALL BE CAPABLE OF RESISTING A NET UPLIFT WIND PRESSURE AS INDICATED ON SHEET S0.1. PROVIDE UPLIFT BRIDGING AS REQUIRED.

4. BRIDGING SIZES SHALL BE IN ACCORDANCE WITH "RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS," LATEST EDITION.

5. ALL JOISTS SHALL REQUIRE CONTINUOUS HORIZONTAL OR DIAGONAL BRIDGING MEMBERS FASTENED DIRECTLY TO EACH JOIST. ALL BRIDGING SHALL BE DESIGNED AND SPACED IN ACCORDANCE WITH THE APPLICABLE "STEEL JOIST INSTITUTE SPECIFICATION." WHERE NET UPLIFT IS A DESIGN REQUIREMENT, A SINGLE LINE OF BOTTOM CHORD BRIDGING MUST BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINTS. BRIDGING SHOWN ON THE STRUCTURAL DRAWINGS IS FOR INFORMATION ONLY AND DOES NOT NECESSARILY CORRESPOND WITH THE ACTUAL BRIDGING TYPE OR LOCATION THAT WILL BE REQUIRED.

JOISTS (CON'T)

6. MINIMUM JOIST BEARING TABLE

TYPE	ON STEEL	ON MASONRY OR CONCRETE
K/KCS	2 1/2"	4"
LH/DLH	4"	6"
SLH 15-18	4"	4"
SLH 19-25	6"	6"
JOIST GIRDER	4"	6"

7. MINIMUM JOIST ANCHORAGE TABLE (PROVIDE FIELD WELDS OR FIELD BOLTS)

TYPE	ON STEEL*, MASONRY OR CONCRETE	
	FILLET WELDS	FIELD BOLTS
K/KCS	(2) 1/8"x1"	(2) 1/2"Ø
LH/DLH	(2) 1/4"x2"	(2) 3/4"Ø
SLH 15-18	(2) 1/4"x2"	(2) 3/4"Ø A325
SLH 19-25	(2) 1/4"x4"	(2) 3/4"Ø A325
JOIST GIRDER	(2) 1/4"x2"	(2) 3/4"Ø

* WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS WITH STRUCTURAL STEEL MEMBERS, JOISTS AT COLUMN LINES SHALL BE FIELD BOLTED AT THE COLUMNS.

8. HANGING LOADS FROM JOIST SHALL BE 200 LBS. MAXIMUM AND MUST BE HUNG AT BOTTOM CHORD PANEL POINTS.

9. THE JOIST SUPPLIER SHALL SUBMIT ENGINEERING CALCULATIONS FOR ALL SPECIAL JOISTS AND PROVIDE DETAILED FABRICATION AND ERECTION DRAWINGS FOR JOISTS, ANCHORAGES AND BRIDGING.

10. THE JOIST FRAMING SYSTEM INDICATED ON THE FRAMING PLANS IS BASED ON UNIFORM LOADING CONDITIONS UNLESS NOTED OTHERWISE. IT IS EXPECTED THAT SOME MECHANICAL UNITS OR OTHER CONCENTRATED LOADS WILL BE HUNG OR SUPPORTED ON THE JOIST FRAMING AND MUST BE ACCOMMODATED BY THE SPECIALTY ENGINEER DESIGNING THESE ELEMENTS FOR THE JOIST MANUFACTURER. THE GENERAL CONTRACTOR SHALL COORDINATE THE LOADING AND LOCATION INFORMATION WITH THE JOIST MANUFACTURER TO PROPERLY SIZE AND PRICE THIS SYSTEM INCLUDING ANY NECESSARY SUB-FRAMING ACCESSORIES.

11. EXTEND BOTTOM CHORD AT ALL COLUMN LINES LAPPING A STABILIZER PLATE, BUT, DO NOT WELD THE EXTENDED BOTTOM CHORD TO THE STABILIZER UNLESS NOTED OTHERWISE.

12. STEEL JOISTS SHALL BE PRIMED AND PAINTED AS PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED.

ROOF DECK

1. FURNISH ROOF DECK IN ACCORDANCE WITH THE "STEEL DECK INSTITUTE SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK" AND "CODE OF RECOMMENDED PRACTICE FOR STEEL ROOF DECK," LATEST EDITIONS.

2. STEEL ROOF DECK SHALL BE 1 1/2", 20 GAUGE, WIDE RIB DECK, HAVING A MINIMUM YIELD STRENGTH OF 33 KSI, WITH GALVANIZED COATING CONFORMING TO ASTM A525 G60 (Z180).

I(min)= 0.212 in.4/ft
Sp(min)= 0.234 in.3/ft
Sn(min)= 0.247 in.3/ft

3. NO ATTACHMENTS MAY BE MADE TO THE ROOF DECK.

4. VERIFY THE SIZES, LOCATIONS AND CONDITIONS OF ROOF OPENINGS PRIOR TO FABRICATION AND ERECTION OF ROOF OPENING FRAMING MEMBERS.

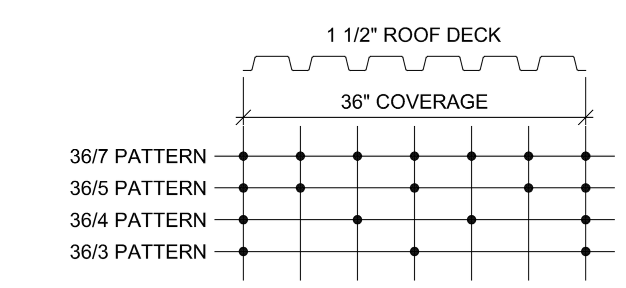
5. UNLESS OTHERWISE NOTED PROVIDE L5x3x5/16 LONG LEG VERTICAL (MINIMUM) BETWEEN JOISTS AND BEAMS BENEATH ALL ROOF MOUNTED EQUIPMENT.

6. ROOF METAL DECKING SHALL TYPICALLY BE CONTINUOUS OVER A MINIMUM OF THREE (3) SPANS. WHERE THIS IS NOT POSSIBLE, THE DECKING SHALL BE RESIZED TO ACCOMMODATE THE SPAN CONDITION WITHOUT SHORING OR SHORING SHALL BE PROVIDED. GENERAL CONTRACTOR SHALL SUBMIT DECK ALLOWABLE LOAD DATA AND DECK DRAWINGS SHOWING DECK LAYOUT AND ALL EDGE CONDITION DIMENSIONS PRIOR TO CONSTRUCTION.

7. PROVIDE, AS REQUIRED FOR DECK SUPPORT, SHIM PLATES, COLUMN CLOSURES, CANT STRIPS, SUMP PLATES AT PIPING PENETRATIONS AND RECESSED SUMP PANS AT ALL ROOF DRAINS. PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF THE METAL DECK. ALL OPENINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

8. ROOF METAL DECK SECTION PROPERTIES SHALL BE COMPUTED IN ACCORDANCE WITH AISI 'SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS."

9. WELD ROOF DECK TO SUPPORTING MEMBERS WITH NOMINAL 5/8" ARC PUDDLE WELDS OR EQUIVALENT AT ALL DECK RIB BEARING LOCATIONS USING A 36/4 PATTERN FOR THE ROOF DECK. SEE FASTENER LAYOUT DIAGRAMS BELOW.



10. WELD DECK TO SUPPORTING MEMBERS ALONG EDGES PARALLEL TO DECK SPAN AT 12" O.C., SCREW SIDE LAPS WITH NO. 10 TEK SCREWS AT 18" MAX ON CENTER AT ROOF DECK AND BUTTON PUNCH SIDE LAPS AT 18" ON CENTER AT FLOOR DECK.

11. REFER TO THE TESTING AND INSPECTION SECTION OF THESE NOTES FOR THE FLOOR & ROOF DECK TESTING AND INSPECTION REQUIREMENTS.

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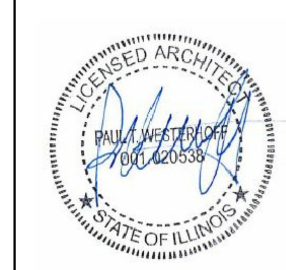

LICENSE EXPIRES: 11/30/20

BUILDING ADDITION FOR:
VIT COMMUNITY UNIT SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

CONSTRUCTION DOCUMENT PHASE

NOT FOR CONSTRUCTION

ISSUE DATE: 03/20/2020

REVISIONS

PROJECT NUMBER: 5938

STRUCTURAL NOTES

DWG. NO.
S001

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CONCRETE MASONRY UNIT CONSTRUCTION

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602)", PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, DETROIT, MICHIGAN, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.

UNLESS NOTED OTHERWISE:

2. REQUIRED 28 DAY COMPRESSIVE STRENGTH f'm = 1500 PSI

3. THE CONTRACTOR SHALL SELECT THE SOURCE OF MATERIALS INCLUDING MASONRY UNITS, MORTAR AND GROUT INGREDIENTS WITHIN THE LIMITATIONS OF THE PRODUCT SPECIFICATIONS TO ACHIEVE AND CONSISTENTLY MAINTAIN THE REQUIRED UNIT STRENGTHS AND PROPERTIES THROUGHOUT THE CONSTRUCTION.

4. MORTAR -

A. SPECIFICATION: ASTM C270 - PROPERTY SPECIFICATIONS
B. COLOR: SEE SPECIFICATIONS
C. TYPE: TYPE S
D. EXCEPTIONS: NONE
E. ADMIXTURES: DO NOT USE ADMIXTURES CONTAINING MORE THAN 0.2 PERCENT CHLORIDE IONS, NOR ANY ALCOHOL, NOR ANY OTHER SUBSTANCES WHICH WILL ADVERSELY AFFECT THE STRENGTH OR BOND CHARACTERISTICS OF THE MORTAR.

5. GROUT

A. SPECIFICATION: ASTM C476
B. PROPORTION PER ASTM C476 TABLE 1
C. SLUMP: BETWEEN 8 AND 11 INCHES
D. ADMIXTURES: NONE

6. MASONRY UNITS

A. CONCRETE MASONRY UNITS
I. SPECIFICATION: ASTM C90
II. WEIGHT: LIGHTWEIGHT
III. COMPRESSIVE STRENGTH: 1900 PSI MINIMUM (NET AREA)
IV. GROUTING APPLICATIONS: COMPLY WITH TABLE 7 OF ACI 530.1/ASCE 6-02. PROVIDE UNITS WHICH WILL FACILITATE ALIGNMENT OF VERTICAL CORES AND MORTARING OF SURROUNDING WEBS.

7. REINFORCEMENT AND METAL ACCESSORIES

A. REINFORCING STEEL
I. SPECIFICATION: ASTM A615
II. GRADE: 60

B. JOINT REINFORCEMENT
I. SPECIFICATION: ASTM A82
II. TYPE: LADUR
III. WEIGHT CLASS: EXTRA HEAVY
IV. SIDE RODS: 3/16" (W2.8) DIAMETER
V. CROSS RODS: 9 GA. (W1.7) DIAMETER AT 16 IN. SPACING

C. WELDED WIRE FABRIC
I. SPECIFICATION: ASTM A185
II. TYPE: PLAIN
III. SIZE: 4X4 - W2.9 X W2.9

D. COATINGS FOR CORROSION PROTECTION STANDARD PER ACI SPECIFICATION 2.4

E. NO INTERIOR WALLS NEED BE CLASSIFIED FOR MEAN RELATIVE HUMIDITY EXCEEDING 75 PERCENT.

8. ACCESSORIES - UNLESS NOTED OTHERWISE IN THE ARCHITECTURAL DRAWINGS OR PROJECT SPECIFICATIONS, PROVIDE THE FOLLOWING:

A. CONTRACTION JOINT MATERIAL
I. BASE TYPE: SASH BLOCK UNITS
II. GASKET TYPE: RUBBER PREFORMED
  a. SPECIFICATION: ASTM D2000, M2AA-805
  b. DUROMETER: 80 HARDNESS
III. SEALANT TYPE: ELASTOMERIC SINGLE COMPONENT (TYPE S)
  a. SPECIFICATION: ASTM C920
  b. GRADE: NS (NON-SAG)
  c. CLASS: 25
  d. USE: M
  e. COLOR: NATURAL GREY

9. ALL MASONRY WALLS NOT SUPPORTED LATERALLY AT INTERSECTING WALLS, FLOORS OR OTHER STRUCTURAL MEMBERS THROUGH INTERLOCKING CONSTRUCTION SHALL BE ANCHORED TO THESE MEMBERS WITH HOOKED WIRE DOVETAIL ANCHORS INTO THE GROUTED CELL OR BOND BEAM.

10. WHERE PENETRATIONS ARE REQUIRED TO PASS HORIZONTALLY THROUGH MASONRY BEAMS OR WALLS, FOR WHICH NO SLEEVES OR CORED HOLES ARE INDICATED, NOTIFY ARCHITECT/ENGINEER PRIOR TO MAKING ANY CUTS.

11. DOVETAIL ANCHORS, WALL PLUGS, ACCESSORIES AND OTHER MISCELLANEOUS ITEMS TO ACCOMMODATE ALL TRADES SHALL BE INSTALLED AS THE MASONRY WORK PROGRESSES.

12. UNLESS OTHERWISE INDICATED ON THE DRAWINGS GROUT FILL ALL VOIDS AND/OR CELLS IN MASONRY WALLS AS FOLLOWS:

A. ALL COURSES BELOW GRADE
B. BASE COURSE AND DAMP COURSE
C. THREE (3) COURSES BELOW ALL FRAMING MEMBERS
D. ALL MASONRY ABOVE ROOF STRUCTURE

13. UNLESS OTHERWISE INDICATED ON THE DRAWINGS PROVIDE REINFORCED (#5 REBAR) AND GROUT FILLED VERTICAL CELLS:

A. ONE CELL AT 2'-0 O.C.
B. ONE CELL EACH SIDE OF OPENING
C. ONE CELL IN EACH CORNER
D. ONE CELL IN EACH INTERSECTION
E. ONE CELL EACH SIDE OF VERTICAL WALL JOINTS

14. UNLESS OTHERWISE INDICATED ON THE DRAWINGS PROVIDE REINFORCING BAR SPLICES WHERE REQUIRED = 48 BAR DIAMETERS

15. UNLESS OTHERWISE INDICATED ON THE DRAWINGS PROVIDE HORIZONTAL JOINT REINFORCEMENT:

A. MAXIMUM SPACING OF 16"
B. IN TOP COURSE OF FOUNDATION WALLS
C. AT EACH FLOOR AND ROOF LEVEL
D. AT TOP OF PARAPET WALLS
E. TWO LAYERS @ 8" SPACINGS IMMEDIATELY ABOVE AND BELOW ALL WALL OPENINGS

16. UNLESS OTHERWISE INDICATED ON THE DRAWINGS PROVIDE MORTAR JOINT THICKNESS:

A. THEORETICAL = 3/8"
B. MAXIMUM ACTUAL = 1/2"

17. UNLESS OTHERWISE INDICATED ON THE DRAWINGS PROVIDE VERTICAL CONTRACTION JOINTS:

A. AT 25 FEET MAXIMUM HORIZONTAL SPACING.
B. AT CHANGES IN WALL HEIGHT.
C. AT CHANGES IN WALL THICKNESS, SUCH AS PIPE AND DUCT CHASES AND PILASTERS.
D. AT (ABOVE) MOVEMENT JOINTS IN FOUNDATIONS AND FLOORS.
E. AT (BELOW) MOVEMENT JOINTS IN ROOFS AND FLOORS THAT BEAR ON A WALL.
F. AT ONE OR BOTH SIDES OF WALL OPENINGS (STEPPED AT LINTELS).
G. ADJACENT TO CORNERS OF WALLS OR INTERSECTIONS WITHIN A DISTANCE EQUAL TO HALF OF THE CONTROL JOINT SPACING.

18. UNLESS OTHERWISE INDICATED ON THE DRAWINGS PROVIDE MASONRY BOND BEAMS REINFORCED WITH A MINIMUM OF 2-#5 REBARS EXTENDING 24" PAST EDGES OF OPENINGS FILLED WITH GROUT:
A. OVER DOORS AND WINDOWS AS LINTEL BEAMS (EXCEPT WHERE C.I.P., PRECAST OR STEEL LINTELS ARE NOTED OR REQUIRED)
B. WHERE BOND BEAMS ACT AS MASONRY LINTELS OVER OPENINGS, THE DESIGN LOADING SHALL BE ASSUMED AS 1500 LB/FT UNLESS OTHERWISE NOTED.
C. BELOW SILL IN WALLS WITH OPENINGS
D. AT THE TOP OF WALLS AND AT FLOOR LEVELS (EXCEPT WHERE C.I.P. OR PRECAST BEAMS ARE NOTED OR REQUIRED) INCLUDING THE TOP COURSE OF ALL PARAPET WALLS.

TESTING AND INSPECTIONS

1. ALL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DESIGN CODE REFERENCED IN ITEM 1. OF THE STRUCTURAL LOADING SECTION OF THESE NOTES.

2. ALL TESTING SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY HIRED BY THE OWNER.

3. THE ARCHITECT / STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY ITEM FOUND NOT TO BE IN COMPLIANCE WITH THE DESIGN INTENT OF THESE DOCUMENTS.

FOUNDATIONS

4. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED AND TESTED BY A REPRESENTATIVE OF A QUALIFIED GEOTECHNICAL ENGINEERING FIRM. DAILY REPORTS OF OBSERVATIONS SHALL BE PREPARED. ALL REPORTS ARE TO BE SUBMITTED TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW. THE REQUIRED TEST TYPE AND FREQUENCY SHALL BE AS SPECIFIED IN THE PROJECT SPECIFICATIONS.

CONCRETE

5. ALL CONCRETE PLACED ON THE PROJECT SHALL BE TESTED FOR SLUMP, AIR CONTENT AND STRENGTH. THE FREQUENCY OF TESTING SHALL BE AS SPECIFIED IN THE PROJECT SPECIFICATION.

6. REINFORCEMENT PLACEMENT SHALL BE INSPECTED BY THE OWNER'S TESTING LABORATORY PRIOR TO ALL CONCRETE POURS. SEE THE SPECIFICATIONS FOR REQUIREMENTS.

STRUCTURAL STEEL

7. THE OWNER'S TESTING AGENCY SHALL PERFORM ALL SHOP AND FIELD INSPECTION AND TESTING AS OUTLINED BELOW. REPORTS ARE TO BE SUBMITTED TO THE OWNER, ARCHITECT / STRUCTURAL ENGINEER AND CONTRACTOR FOR REVIEW. THE STRUCTURAL STEEL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE FOLLOWING TESTING REQUIREMENTS.

A. ALL WELDS SHALL BE VISUALLY INSPECTED. 15% AT RANDOM SHALL BE MEASURED.
B. FILLET WELDS FOR BEAM AND GIRDER SHEAR CONNECTION PLATES, 15% AT RANDOM, SHALL BE CHECKED BY MAGNETIC PARTICLE FOR FINAL PASS ONLY.
C. 100% OF ALL FULL PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED.
D. 25% OF THE BOLTS, NO LESS THAN (2) BOLTS, IN EACH "SLIP CRITICAL" CONNECTIONS SHALL BE CHECKED BY CALIBRATED TORQUE WRENCH.
E. FOR NON-"SLIP CRITICAL" CONNECTIONS, INSPECT CONNECTION TO INSURE THE PLIES OF THE CONNECTED ELEMENTS HAVE BEEN BROUGHT INTO SNUG CONTACT.
F. ULTRASONICALLY TEST FOR LAMINATIONS IN ALL COLUMN FLANGES GREATER THAN 1.5 INCHES THICK AT ALL MOMENTS CONNECTION AREAS.

CONCRETE MASONRY

8. REQUIRED TEST VERIFICATIONS PRIOR TO CONSTRUCTION (TESTING LABORATORY)

A. TEST SIX (6) CONCRETE MASONRY UNITS (ASTM C90) PER ASTM C140 FOR ALL APPLICABLE REQUIREMENTS.

B. EVALUATE MORTAR SYSTEM AND THE GENERAL STRENGTH CHARACTERISTICS OF THE FIELD MIXTURE PER ASTM C780.

(IF MORTAR PROPERTY SPECIFICATION METHOD IS SPECIFIED ADD:)
C. ESTABLISH MORTAR MIX DESIGNS AND TEST PER ASTM C270 TO MEET PROPERTY SPECIFICATION REQUIREMENTS.

(IF GROUT COMPRESSIVE STRENGTH METHOD IS SPECIFIED ADD:)
D. ESTABLISH GROUT MIX DESIGN AND TEST PER ASTM C1019 TO MEET APPLICABLE REQUIREMENTS.

9. REQUIRED TEST VERIFICATIONS DURING CONSTRUCTION (TESTING AGENCY)

A. TEST CONCRETE MASONRY UNITS (ASTM C90) PER ASTM C140 FOR ALL APPLICABLE REQUIREMENTS. THE TESTING FREQUENCY SHALL BE AS LISTED IN ASTM C140.

B. EVALUATE FIELD MIXTURE AND CONSISTENCY OF THE MORTAR SYSTEM PER ASTM C780. TESTING SHALL BE DONE AT THE BEGINNING OF THE MASONRY WORK AND AT LEAST ONCE A WEEK THEREAFTER UNTIL COMPLETION OF THE MASONRY WORK.

(IF GROUT COMPRESSIVE STRENGTH METHOD IS SPECIFIED ADD:)
C. TEST GROUT (ASTM C476) SAMPLE IN ACCORDANCE WITH ASTM C1019 FOR EACH 5000 SQ. FT. OF MASONRY WORK.

10. QUALITY ASSURANCE

A. CONTRACTOR'S REPRESENTATIVE

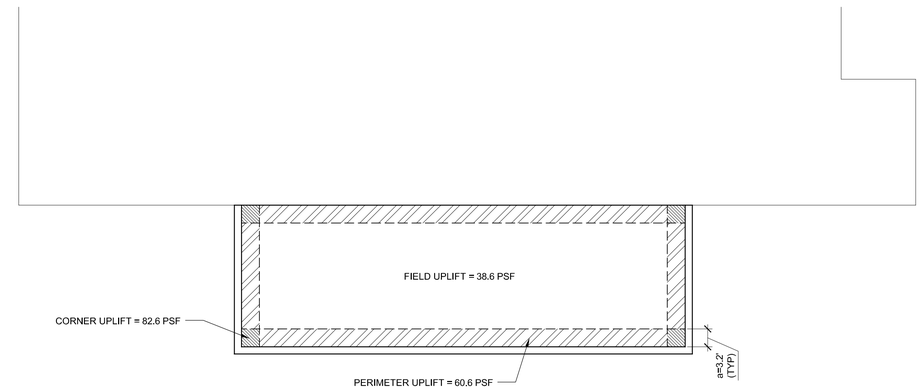
I. THE TESTING LABORATORY SHALL PERFORM TEST TO DOCUMENT SUBMITTALS, CERTIFY PRODUCT COMPLIANCE PRIOR TO USE IN CONSTRUCTION, ESTABLISH MORTAR AND GROUT MIX DESIGNS WHEN SPECIFIED, PROVIDE SUPPORTING DATA FOR CHANGES REQUESTED BY THE CONTRACTOR, OR APPEAL REJECTION OF MATERIAL FOUND DEFECTIVE BY OWNER'S TESTS.

B. OWNER'S REPRESENTATIVES

I. THE MASONRY INSPECTOR SHALL MONITOR THE PRE-CONSTRUCTION EVALUATIONS OF MATERIALS AS PROVIDED BY THE CONTRACTOR'S LABORATORY AND VERIFY THAT THE FINDINGS CONTAINED THEREIN ARE INCORPORATED INTO THE FIELD ACCEPTANCE CRITERIA. DURING THE MASONRY CONSTRUCTION, THE MASONRY INSPECTOR SHALL REVIEW THE WORK IN PROGRESS FOR GENERAL COMPLIANCE WITH THE DESIGN PLANS AND SPECIFICATIONS.

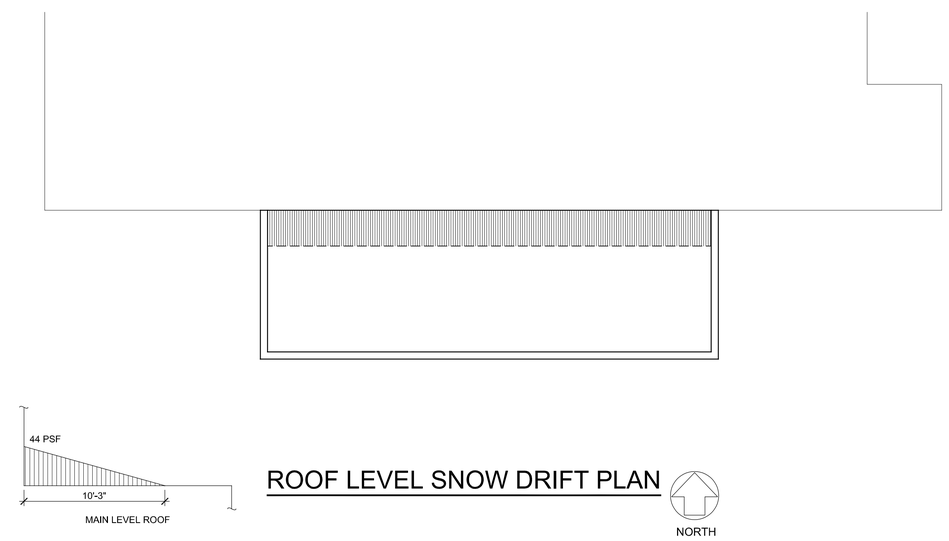
PERIMETER UPLIFT = 24.4 PSF

II. THE TESTING AGENCY SHALL TAKE FIELD SAMPLES, PERFORM TESTS AND REPORT RESULTS, STATING WHETHER OR NOT IN COMPLIANCE WITH THE DESIGN DOCUMENT'S AND STANDARD SPECIFICATION. 11. THE REVIEW BY THE OWNER'S TESTING AGENCY DOES NOT RELIEVE THE CONTRACTOR(S) OF THEIR RESPONSIBILITY FOR QUALITY CONTROL.



ROOF LEVEL WIND UPLIFT PLAN

NORTH



ROOF LEVEL SNOW DRIFT PLAN

NORTH

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CURRENT DATE: 3/20/2020

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BUILDING ADDITION FOR:
VIT COMMUNITY UNIT
SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

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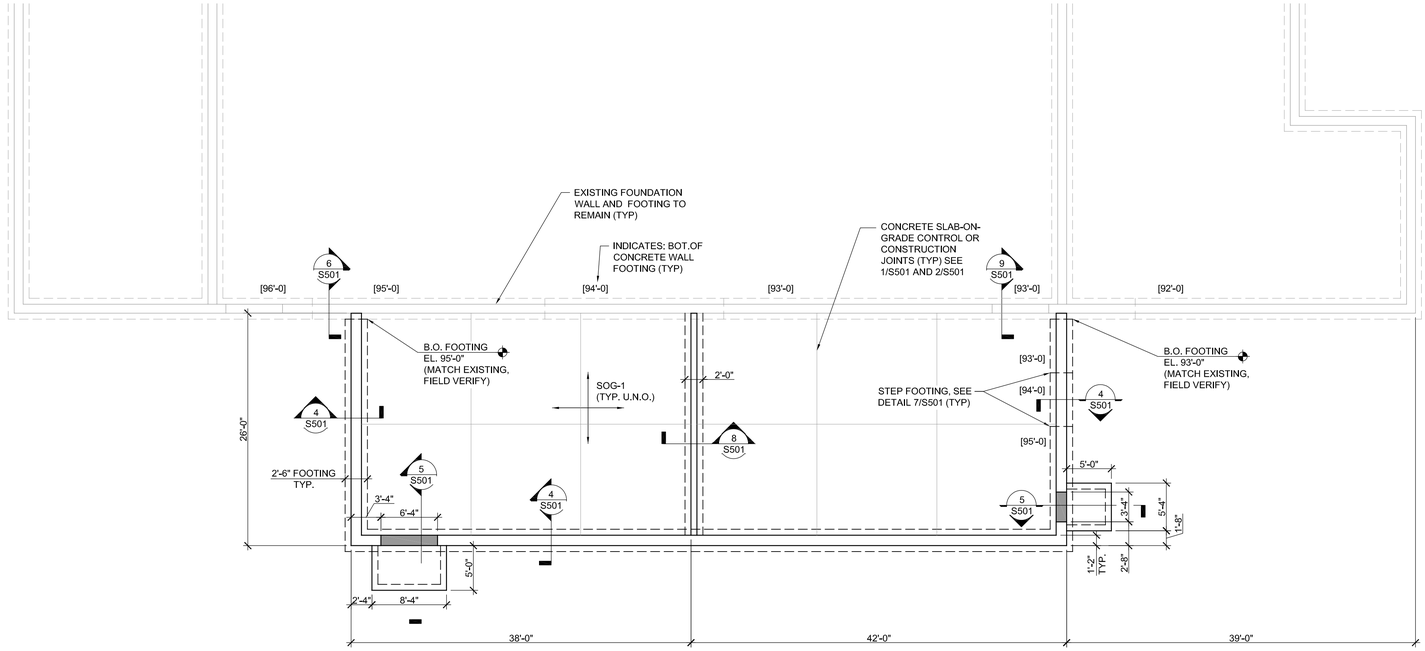
PROJECT NUMBER: 5938

STRUCTURAL NOTES

DWG. NO.
S002



FOUNDATION PLAN

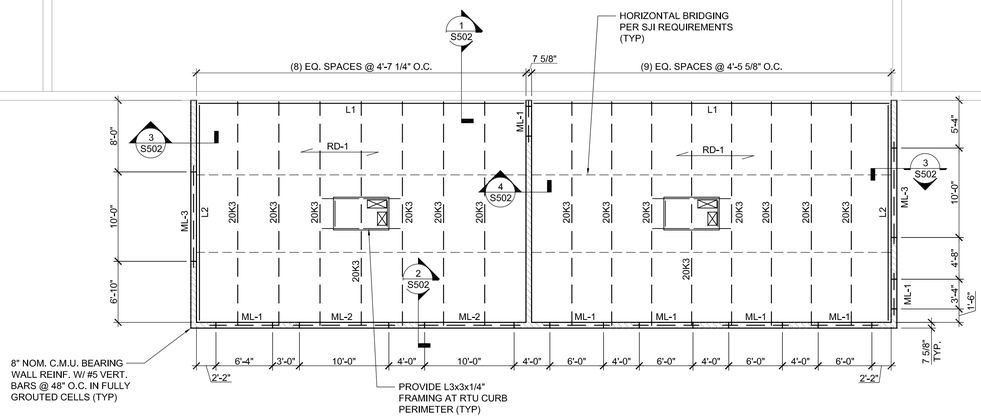
SCALE: 1/8" = 1'-0"

0 2 4 8

NORTH

FOUNDATION PLAN NOTES:

1. TOP OF SLAB ON GRADE = EL. 100'-0" TO MATCH EXISTING, FIELD VERIFY
2. SOG-1 INDICATES 5" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6 - W2.1xW2.1 W.W.F. ATOP 15 MIL VAPOR BARRIER OVER 6" COMPACTED GRANULAR FILL COURSE ATOP COMPACTED SUBGRADE, SEE DETAIL 1/S501
3. MATCH BEARING ELEVATIONS AT EXISTING WALL FOOTINGS, FIELD VERIFY



ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

0 2 4 8

NORTH

ROOF FRAMING PLAN NOTES:

1. BOTTOM OF ROOF DECK = EL. 110'-11"
2. RD-1 INDICATES 1 1/2" - 20 GAUGE TYPE "B" WIDE RIB STEEL ROOF DECK
3. L1 - INDICATES CONT. L6x4x3/8" BEARING ANGLE, SEE DETAIL FOR CONNECTION TO EXISTING MASONRY WALL
4. L2 - INDICATES CONT. L4x4x3/8" DECK BEARING ANGLE, SEE DETAIL FOR CONNECTION TO MASONRY WALL
5. ML-X INDICATES MASONRY LINTEL, SEE SCHEDULE ON DRAWING S502
6. COORDINATE LOCATION OF DUCTS THROUGH ROOF JOISTS WITH MECHANICAL CONTRACTOR JOIST SUPPLIER.

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FOUNDATION AND ROOF FRAMING PLANS

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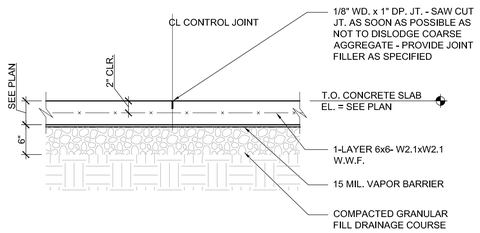
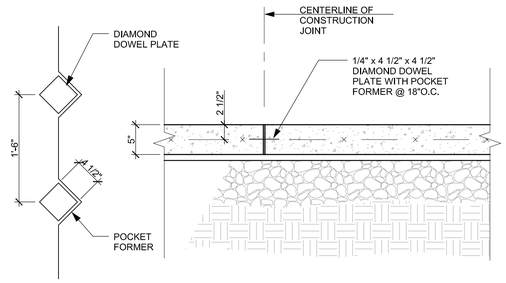


NOTES:
1. PROVIDE SLAB CONTROL OR CONSTRUCTION JOINTS AT A MAXIMUM SPACING OF 15'-0" O.C. IN BOTH DIRECTIONS.

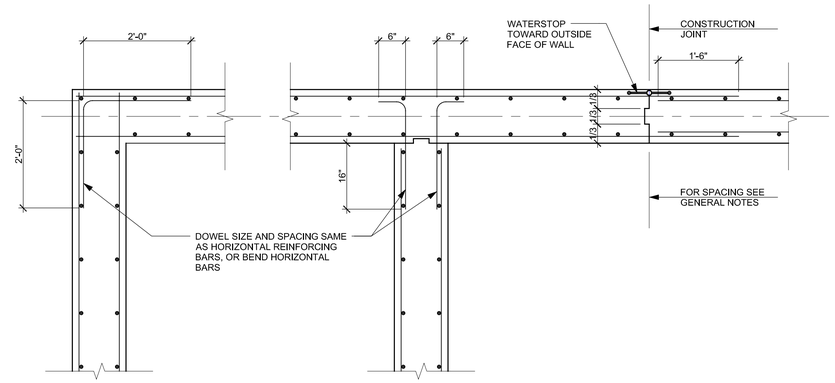
1 TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL

SCALE: 1" = 1'-0"



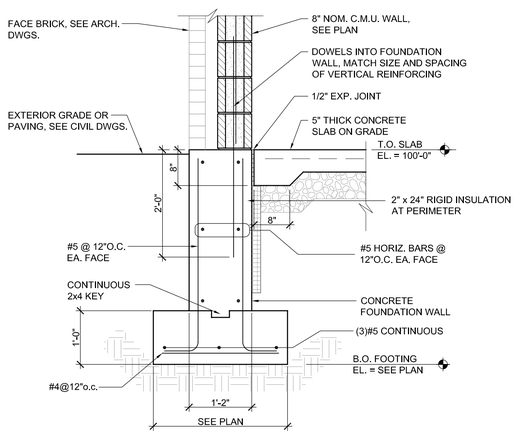
2 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT DETAIL

SCALE: 1" = 1'-0"



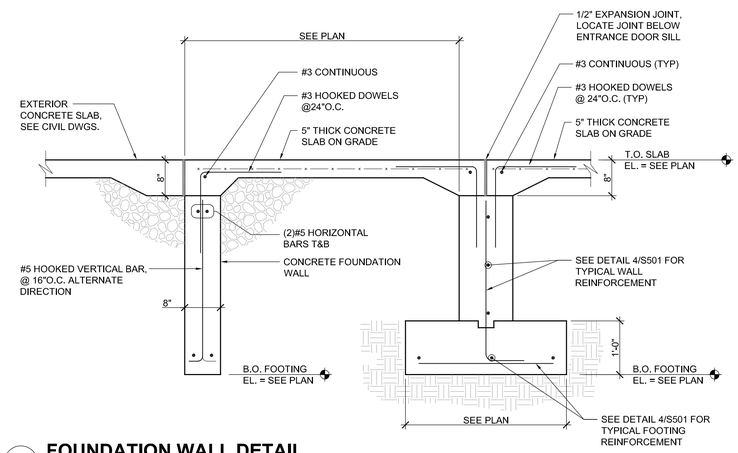
3 TYPICAL FOUNDATION WALL JOINT DETAILS

SCALE: 3/4" = 1'-0"



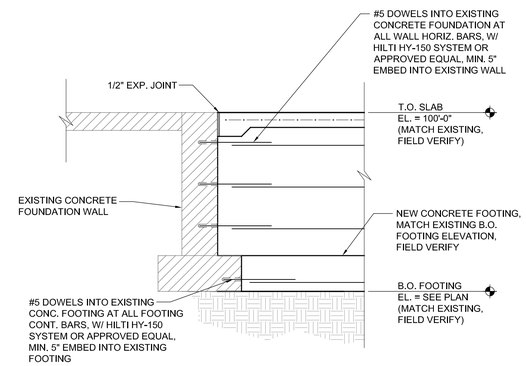
4 FOUNDATION WALL DETAIL

SCALE: 3/4" = 1'-0"



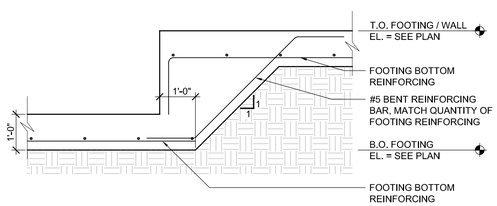
5 FOUNDATION WALL DETAIL

SCALE: 3/4" = 1'-0"



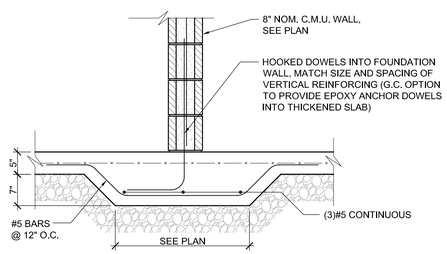
6 FOUNDATION WALL DETAIL

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



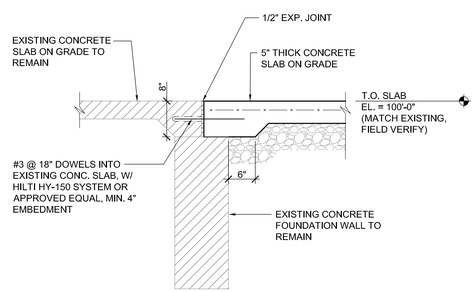
7 STEPPED FOOTING DETAIL

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



8 THICKENED SLAB DETAIL

SCALE: 3/4" = 1'-0"



9 FOUNDATION DETAIL

SCALE: 3/4" = 1'-0"

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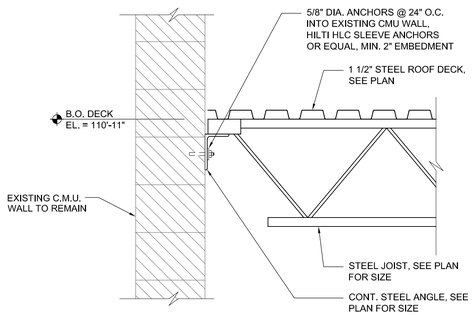
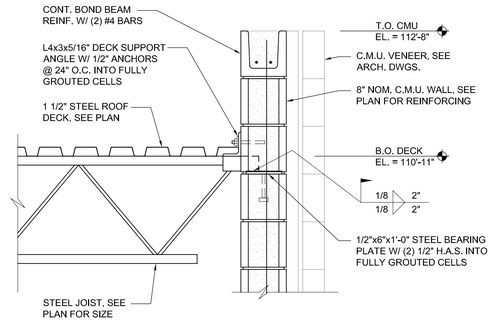
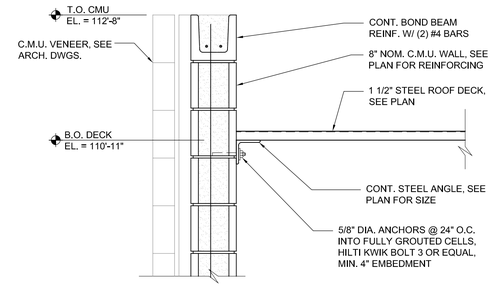


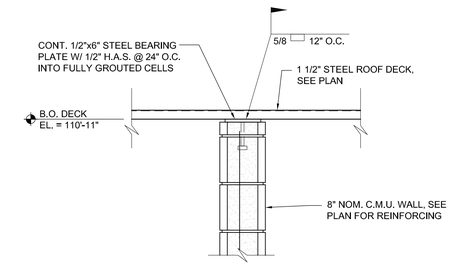
1 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"



2 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"



3 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"

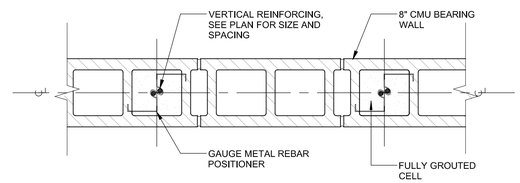


4 FRAMING DETAIL
SCALE: 1" = 1'-0"

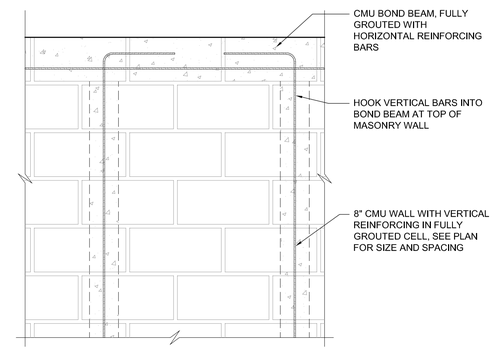
MASONRY LINTEL SCHEDULE

MARK	MAX. SPAN	LINTEL	NOTES
ML-1	6'-4"	L4x3 1/2x5/16" PER 4" OF MASONRY WIDTH	MIN. 8" BEARING EACH END
ML-2	10'-0"	L6x3 1/2x5/16" PER 4" OF MASONRY WIDTH	MIN. 8" BEARING EACH END
ML-3	10'-0"	L5x3 1/2x5/16" PER 4" OF MASONRY WIDTH	MIN. 8" BEARING EACH END

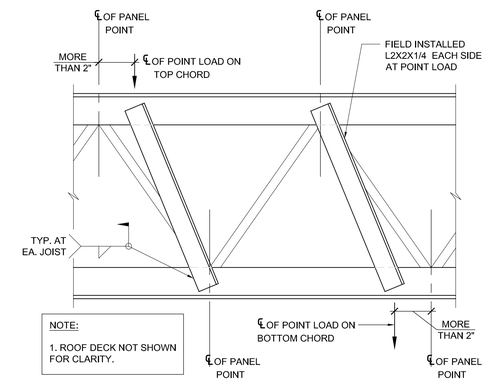
5 MASONRY LINTEL SCHEDULE
SCALE: 1" = 1'-0"



6 MASONRY REINFORCING DETAIL
SCALE: 1 1/2" = 1'-0"



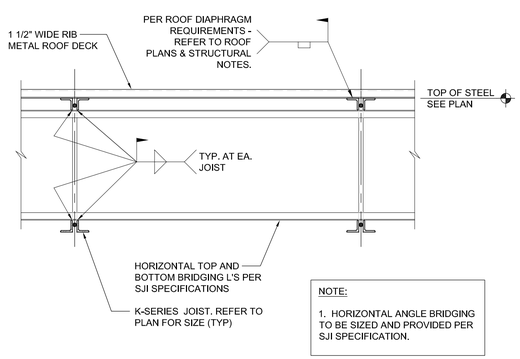
7 BOND BEAM REINFORCING DETAIL
SCALE: 1" = 1'-0"



NOTE:

1. ROOF DECK NOT SHOWN FOR CLARITY.

8 JOIST REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"



NOTE:

1. HORIZONTAL ANGLE BRIDGING TO BE SIZED AND PROVIDED PER SJI SPECIFICATION.

9 JOIST BRIDGING DETAIL
SCALE: 1" = 1'-0"

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CURRENT DATE: 3/20/2020

LICENSE EXPIRES: 11/30/20

BUILDING ADDITION FOR:
VIT COMMUNITY UNIT SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

CONSTRUCTION DOCUMENT PHASE

NOT FOR CONSTRUCTION

ISSUE DATE: 03/20/2020

REVISIONS

PROJECT NUMBER: 5938

FRAMING DETAILS

DWG. NO.
S502

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS.

2. COORDINATE ALL WORK WITH ALL TRADES, INCLUDING MECHANICAL, PLUMBING AND ELECTRICAL.

3. AFTER DEMOLITION, THE CONTRACTOR SHALL CLEAN AREA FOR INSTALLATION OF NEW MATERIAL.

4. ARCHITECHNICS SHALL NOT BE RESPONSIBLE FOR NOR HAVE CONTROL OR CHARGE OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS PROJECT, AND SHALL NOT BE RESPONSIBLE FOR CONTRACTOR'S FAILURE TO CARRY OUT HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

5. ARCHITECHNICS SHALL NOT BE RESPONSIBLE FOR, NOR HAVE CONTROL OVER, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, ANY OF THEIR AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

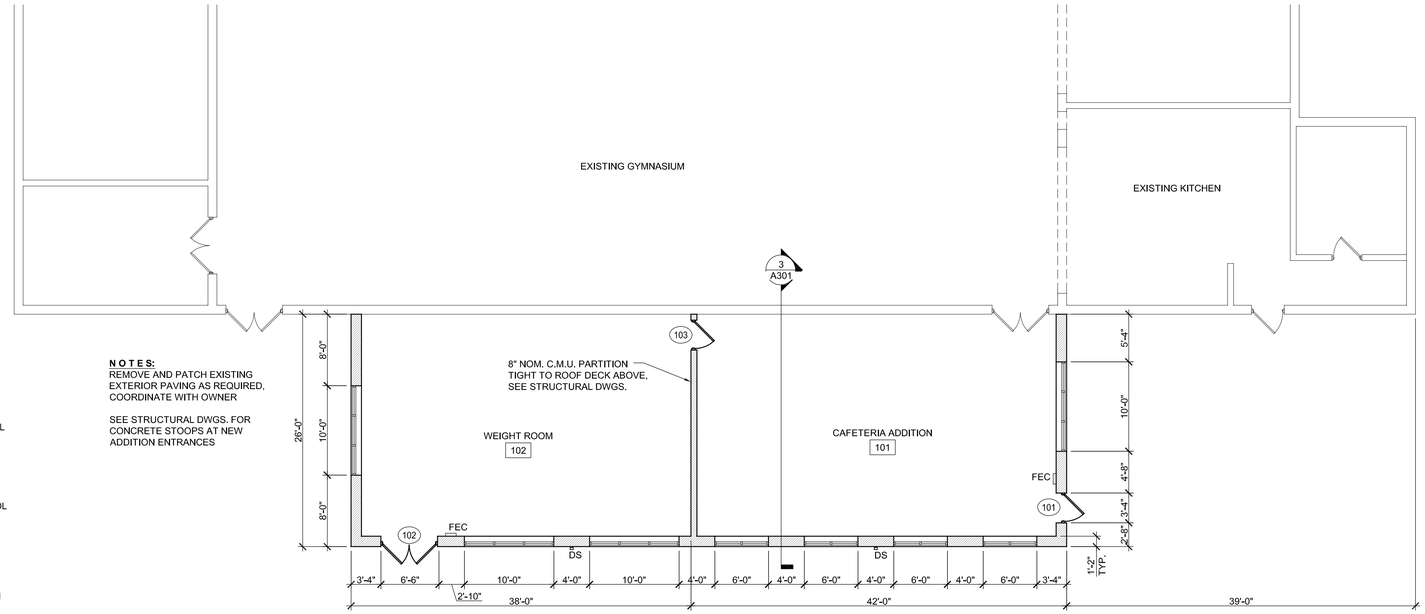
6. THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. ALL SHORING AND BRACING MEMBERS AND CONNECTIONS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT THE IMPOSED LOADS. TEMPORARY MEMBERS AND CONNECTIONS SHALL NOT BE REMOVED UNTIL PERMANENT MEMBERS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE.

7. CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS SHOWN ON THE CONTRACT DRAWINGS FOR THE EXISTING CONSTRUCTION, PRIOR TO THE DETAILING OR FABRICATION OF ANY NEW STRUCTURAL ELEMENT. CONTRACTOR SHALL DOCUMENT ANY CONSTRUCTION-RELATED DISCREPANCIES. CONTRACTOR SHALL FURNISH THE ABOVE INFORMATION IN THE FORM OF DETAILED SKETCHES TO THE ARCHITECT/STRUCTURAL ENGINEER FOR REVIEW .

8. ALL DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE NOTED.

9. PROTECT EXISTING CONSTRUCTION FROM DAMAGE AS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.

10. ALL COLORS AND FINISHES TO BE SELECTED BY THE OWNER.



N O T E S:
REMOVE AND PATCH EXISTING EXTERIOR PAVING AS REQUIRED, COORDINATE WITH OWNER

SEE STRUCTURAL DWGS. FOR CONCRETE STOOPS AT NEW ADDITION ENTRANCES

PARTIAL FLOOR PLAN

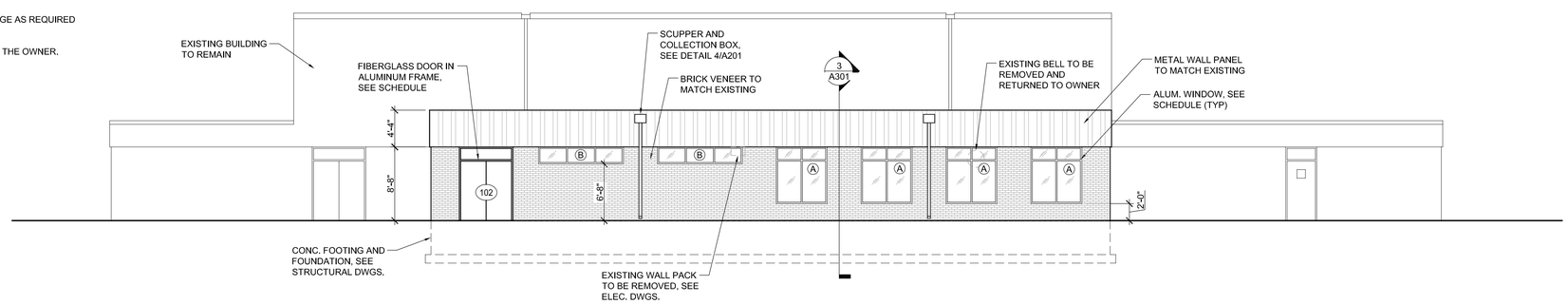
SCALE: 1/8" = 1'-0"

0 2 4 8

NORTH

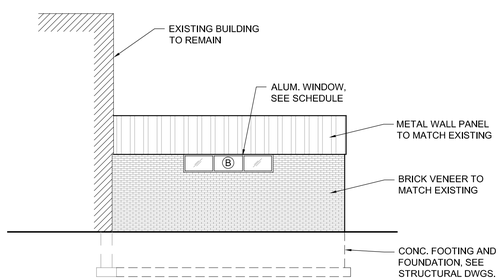
LEGEND

101	ROOM NUMBER
101	DOOR MARK - SEE DWG. A301
A	WINDOW MARK - SEE DWG. A301
1	FLOOR PLAN NOTES
DS	DOWNSPOUT
FEC	FIRE EXTINGUISHER AND CABINET, SEE SPEC. 10 4413



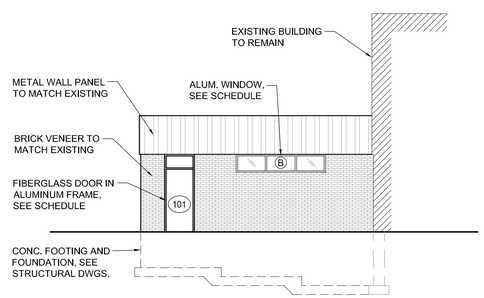
SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



WEST ELEVATION

SCALE: 1/8" = 1'-0"



EAST ELEVATION

SCALE: 1/8" = 1'-0"

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CURRENT DATE: 3/20/2020

LICENSED ARCHITECT PAUL W. HOLTHAUS 001-020538 STATE OF ILLINOIS

LICENSE EXPIRES: 11/30/20

BUILDING ADDITION FOR:
VIT COMMUNITY UNIT SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

CONSTRUCTION DOCUMENT PHASE

NOT FOR CONSTRUCTION

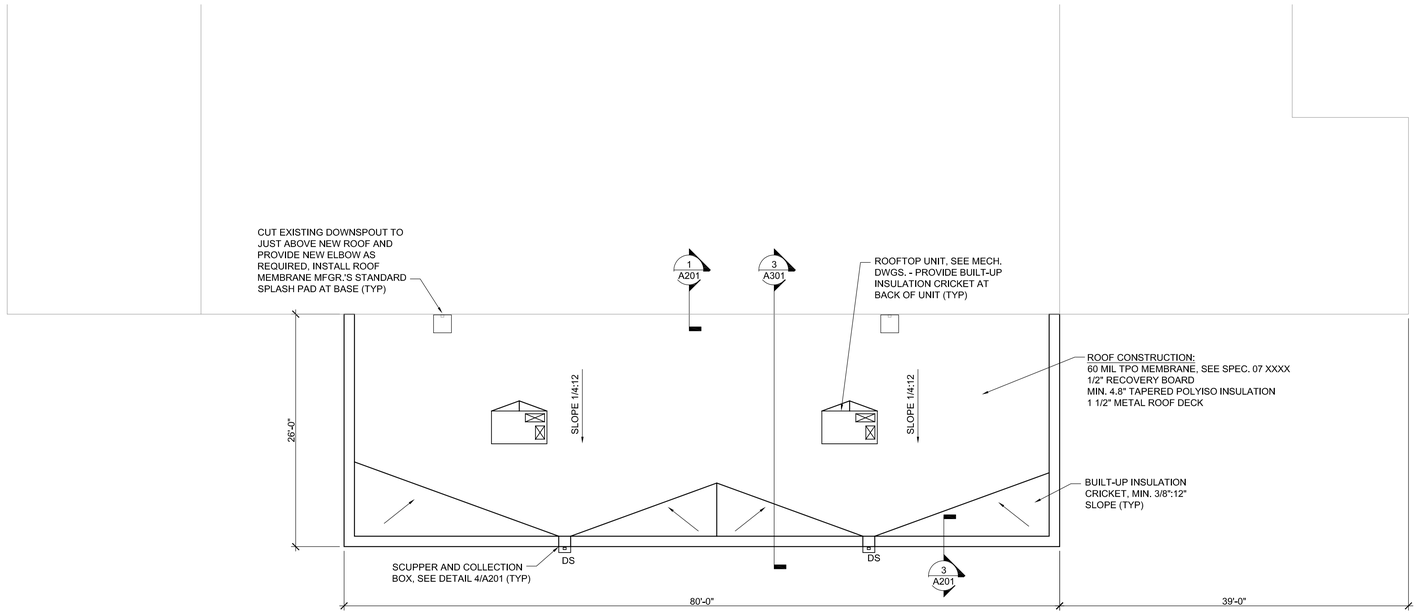
ISSUE DATE: **03/20/2020**

REVISIONS

PROJECT NUMBER: **5938**

PROPOSED FLOOR PLAN AND ELEVATION

DWG. NO.
A101

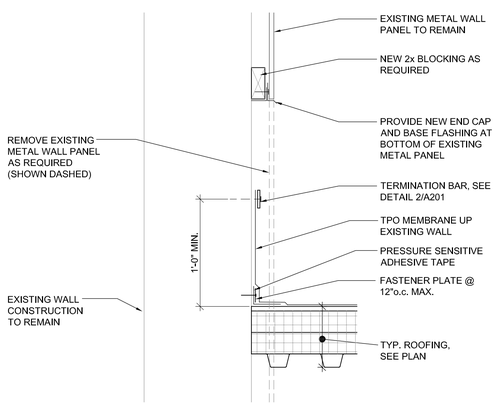


PARTIAL ROOF PLAN

SCALE: 1/8" = 1'-0"

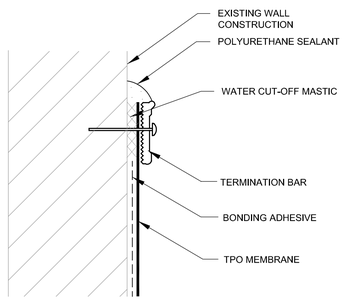
0 2 4 8

NORTH



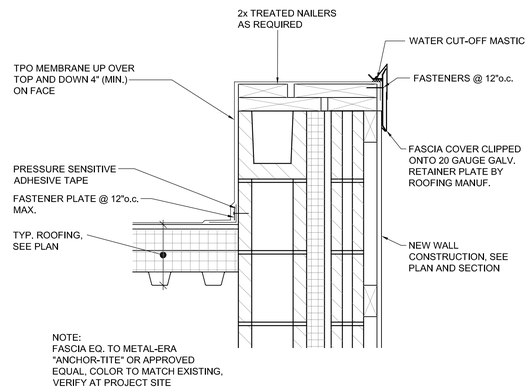
1 EDGE FLASHING DETAIL

SCALE: N.T.S.



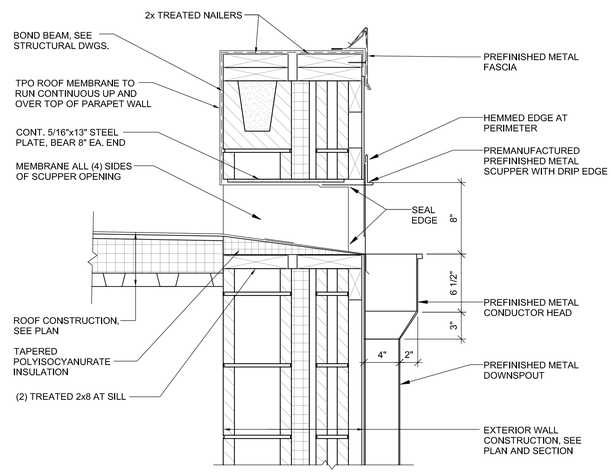
2 TERMINATION BAR DETAIL

SCALE: N.T.S.



3 PARAPET DETAIL

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



4 SCUPPER DETAIL

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

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LICENSED ARCHITECT
PAUL W. HOLTMAN
No. 001-020538
STATE OF ILLINOIS

LICENSE EXPIRES: 11/30/20

BUILDING ADDITION FOR:
VIT COMMUNITY UNIT SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

CONSTRUCTION DOCUMENT PHASE

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REVISIONS

PROJECT NUMBER: 5938

ROOF PLAN AND DETAILS

DWG. NO.

A201

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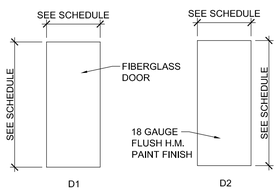
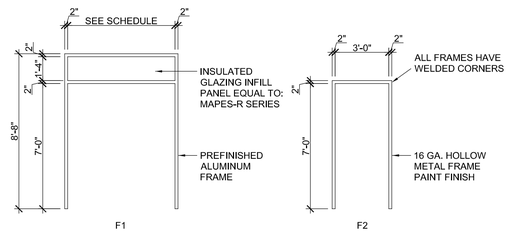
DOOR SCHEDULE

MARK	SIZE			DOOR			FRAME			DOOR HARDWARE	REMARKS	MARK
	W	H	TH	TYPE / MATERIAL	FINISH	DETAIL	MATERIAL	FINISH	DETAIL			
101	3'-0"	7'-0"	1 3/4"	FIBERGLASS	PREFIN.	D1	ALUMINUM	PREFIN.	F1	#1		101
102	(2) 3'-0"	7'-0"	1 3/4"	FIBERGLASS	PREFIN.	D1	ALUMINUM	PREFIN.	F1	#2		102
103	3'-0"	7'-0"	1-3/4"	H.M.	PAINT	D2	H.M.	PAINT	F2	#3		103



1 DOOR ELEVATIONS

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



2 FRAME ELEVATIONS

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

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM	FLOOR		BASE	WALLS		CEILING			REMARKS	ROOM NUMBER
		MATERIAL/FINISH	FLOORING		MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT		
101	CAFETERIA	CONCRETE	SEALED	RCB	CMU	PAINT	S.A.T.	PREFINISHED	8'-8"		101
102	WEIGHT ROOM	CONCRETE	SEALED	RCB	CMU	PAINT	NONE	—	—		102

NOTES:
1. ALL COLORS AND FINISHES TO BE SELECTED BY OWNER

ABBREVIATIONS

ALUM	ALUMINUM
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
HM	HOLLOW METAL
NIC	NOT IN CONTRACT
PT	PAINT
SAT	SUSP. ACOUST. TILE
VCT	VINYL COMPOSITION TILE
AFF	ABOVE FINISH FLOOR

ROOM FINISH MATERIAL LIST

MATERIAL	MANUFACTURER	PRODUCT	COLOR	NOTES
RCB	JOHNSONITE	TIGHTLOCK RESILIENT 4 3/8"	(SELECTED BY OWNER)	
S.A.T.	ARMSTRONG	FINE FISSURED 24" x 24"	(SELECTED BY OWNER)	

HARDWARE TYPES

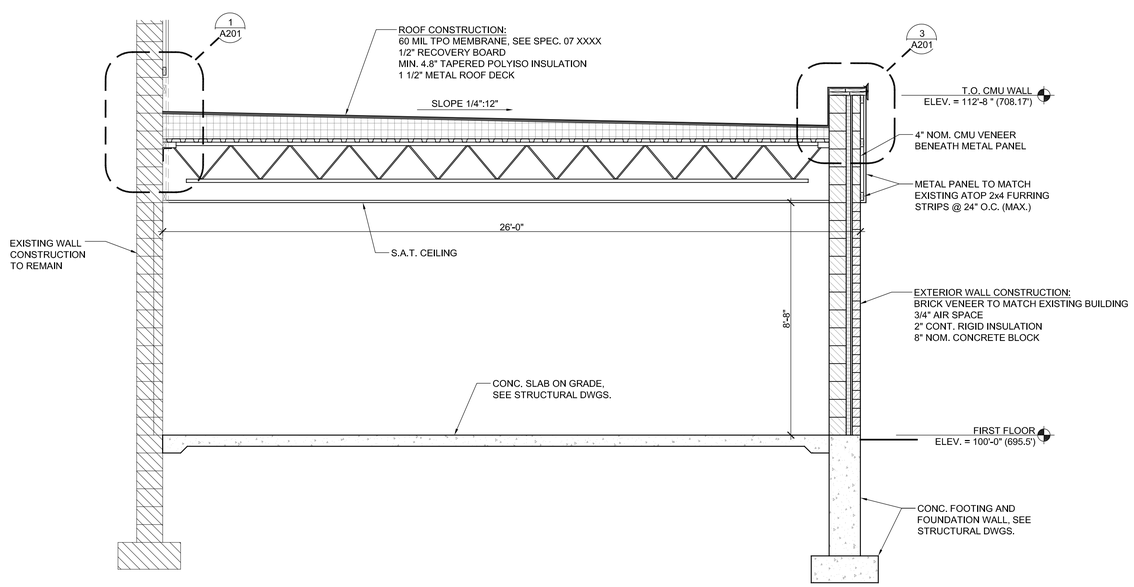
SET #1:
A. HINGES: HAGER BB1279
B. EXIT DEVICE: YALE 6000 SERIES WITH CYLINDER DOGGING
C. CLOSER: NORTON 7500 SERIES
D. THRESHOLD: PEMKO 273
E. GASKETING: PEMKO 290 APK
F. RAIN GUARD: PEMKO 346C
G. SWEEP: PEMKO 3452 CNB

SET #2:
A. HINGES: HAGER BB1279
B. EXIT DEVICE: YALE 6000 SERIES WITH CYLINDER DOGGING
C. CLOSER: NORTON 7500 SERIES
D. FLUSH BOLT: ROCKWOOD 555
E. DUST PROOF STRIKE: ROCKWOOD 570
F. THRESHOLD: PEMKO 273
G. GASKETING: PEMKO 290 APK
H. RAIN GUARD: PEMKO 346C
I. SWEEP: PEMKO 3452 CNB

SET #3:
A. HINGES: HAGER BB1279
B. LOCKSET: YALE 4700 SERIES COMMUNICATING LOCK FUNCTION (ANSI F80)
C. WALL STOP: ROCKWOOD 404

WINDOW SCHEDULE

MARK	SIZE	DESCRIPTION	REMARKS
A	6'-0" WIDE x 6'-8" TALL	EXTRUDED ALUMINUM TUBE FRAMING FOR EXTERNAL APPLICATION WITH THERMAL BREAK, 1" THICK TINTED INSULATED GLAZING, SEE SPEC. 08 5113 - (4) TOTAL	WINDOWS TO RECEIVE SECURITY FILM, SEE SPEC. 08 8700
B	10'-0" WIDE x 2'-0" TALL	EXTRUDED ALUMINUM TUBE FRAMING FOR EXTERNAL APPLICATION WITH THERMAL BREAK, 1" THICK TINTED INSULATED GLAZING, SEE SPEC. 08 5113 - (4) TOTAL	WINDOWS TO RECEIVE SECURITY FILM, SEE SPEC. 08 8700



3 BUILDING SECTION

SCALE: 3/8" = 1'-0"

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PAUL W. HOFFMAN
001-020538
STATE OF ILLINOIS

LICENSE EXPIRES: 11/30/20

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VIT COMMUNITY UNIT
SCHOOL DISTRICT #2
1502 EAST U.S. HIGHWAY 136, TABLE GROVE, ILLINOIS

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REVISIONS

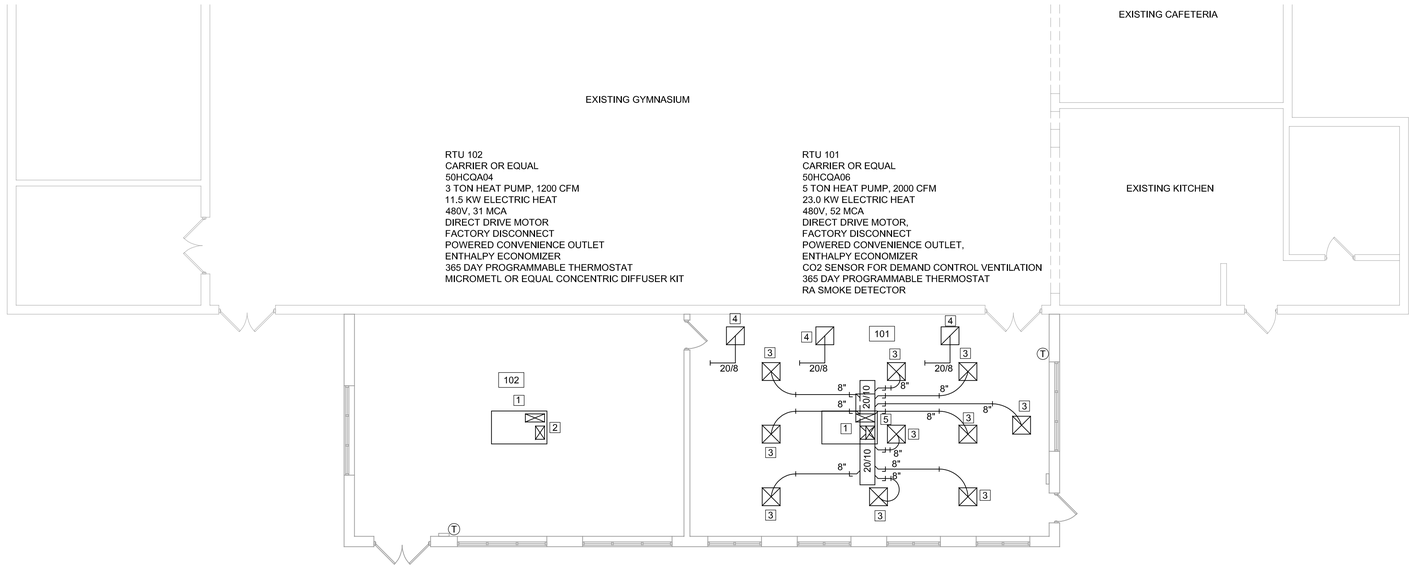
PROJECT NUMBER: 5938

DOOR AND ROOM FINISH SCHEDULES

DWG. NO.
A301

MECHANICAL NOTES

1. INSTALL NEW RTU ON NEW ROOF CURB.
2. INSTALL CONCENTRIC DIFFUSER KIT
3. 24X24 ALUMINUM CEILING DIFFUSER WITH 12/12 THROAT AND 10" ROUND DUCT CONNECTION
4. 24/24 ALUMINUM EGG CRATE RETURN AIR GRILLE WITH 20/20 THROAT. INSTALL PLENUM BOX AND EXTEND 20/8 DUCT WITH MIN. 1 ELBOW AND TERMINATE OPEN FOR PLENUM RETURN
5. INSTALL FULL SIZE SA/RA DUCTS DOWN FROM UNIT WITH FLEX CONNECTION. INSTALL ELBOW IN RA DUCT AS HIGH AS POSSIBLE AND TERMINATE BELOW ROOF FOR PLENUM RETURN.



MECHANICAL FLOOR PLAN

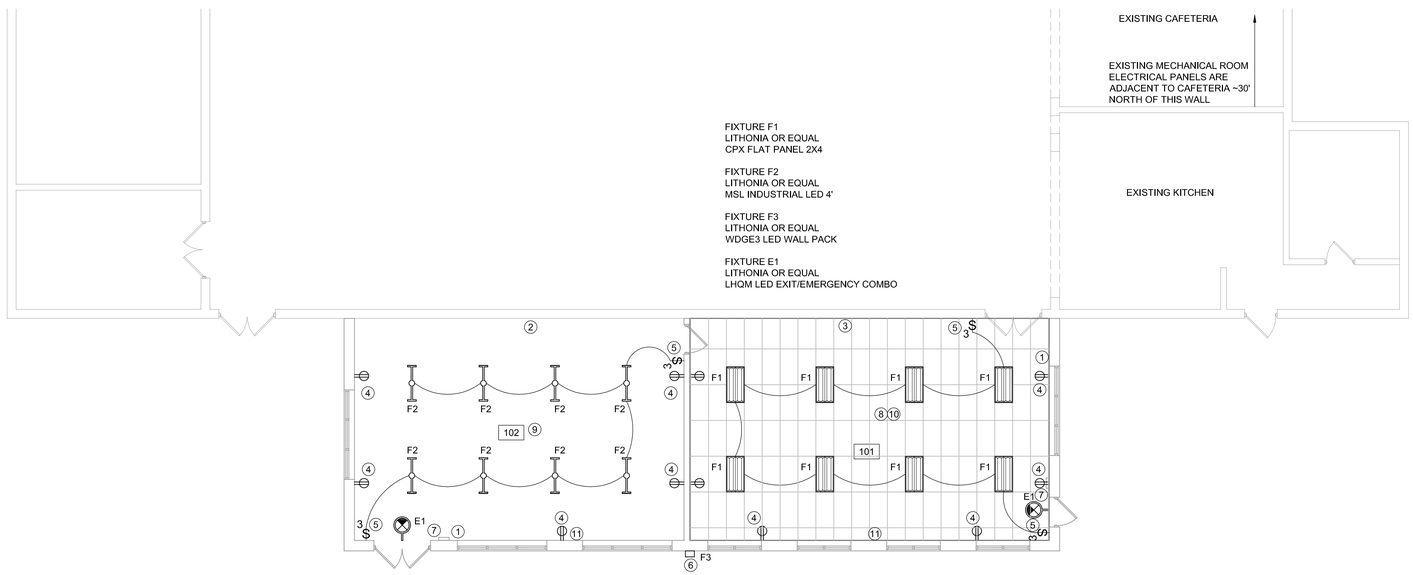
SCALE: 1/8" = 1'-0"

0 2 4 8

NORTH

ELECTRICAL NOTES

1. INSTALL JUNCTION BOX AND EXTEND EMPTY CONDUIT UP FOR THERMOSTAT
2. COMPLETELY REMOVE EXISTING LIGHT FIXTURE, CIRCUIT, ETC AND INSTALL COVER PLATE ON JUNCTION BOX.
3. COMPLETELY REMOVE ABANDONED BELL, WIRING, ETC AND INSTALL COVER PLANT ON JUNCTION BOX.
4. EXTEND NEW CIRCUIT AS REQUIRED FROM EXISTING PANEL IN KITCHEN OR MECHANICAL ROOM TO SERVE NEW RECEPTACLES.
5. EXTEND NEW CIRCUIT AS REQUIRED FROM EXISTING PANEL IN KITCHEN OR MECHANICAL ROOM TO SERVE NEW LIGHT FIXTURES. INSTALL DIMMER SWITCH AS SHOWN TO CONTROL LIGHTS
6. EXTEND NEARBY PHOTOCELL CONTROLLED CIRCUIT TO SERVE NEW LIGHT FIXTURE
7. INSTALL NEW FIRE ALARM PULL STATION AND EXTEND WIRING AS REQUIRED TO CONNECT TO EXISTING FIRE ALARM SYSTEM.
8. INSTALL NEW RETURN AIR SMOKE DETECTOR IN RTU AND EXTEND WIRING AS REQUIRED TO CONNECT INTO EXISTING FIRE ALARM SYSTEM.
9. INSTALL NEW 480V, 40A, 3 POLE BREAKER IN PANEL IN MECHANICAL ROOM AND EXTEND NEW (3)#8, #10G, 1"C CIRCUIT TO NEW RTU.
10. INSTALL NEW 480V, 70A, 3 POLE BREAKER IN PANEL IN MECHANICAL ROOM AND EXTEND NEW (3)#4, #8G, 1-1/4"C CIRCUIT TO NEW RTU.
11. INSTALL NEW FIRE ALARM HORN STROBE AND EXTEND WIRING AS REQUIRED TO CONNECT TO EXISTING FIRE ALARM SYSTEM.



ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 2 4 8

NORTH

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PAUL W. HOTOP
IL 0012-0053
STATE OF ILLINOIS

LICENSE EXPIRES: 11/30/20

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MECHANICAL AND ELECTRICAL FLOOR PLANS

DWG. NO.

ME101