REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

AREA LOCATION MAP

OWNER :

HILLSBORO C.U.S.D. #3
1311 VANDALIA ROAD
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS 62049

ARCHITECT :

HURST-ROSCHE, INC.
1400 E. TREMONT ST.
HILLSBORO, ILLINOIS 62049
(217) 532-3959 FAX (217) 532-3212

LICENSED ARCHITECT
TIMOTHY L DOWNEN
001.021928
STATE OF ILLINOIS

TIMOTHY L. DOWNEN, AIA
DATE: 06-04-2018
LICENSE EXPIRES: 11-30-2018

GARRY T. ROSCETTI
062-048409
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

GARRY T. ROSCETTI, PE
DATE: 06-04-2018
LICENSE EXPIRES: 11-30-2019

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-007200
HILLSBORO ILLINOIS
STATE OF ILLINOIS

CHASE J. CONNOR, PE, SE
DATE: 06-04-2018
LICENSE EXPIRES: 11-30-2018

DATE:
JUNE 04, 2018

HRIDAi #: 150-0738

ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISH FLOOR
ACC	ACCESS
AP	ACCESS PANEL
AC	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADH	ADHESIVE
ADJ	ADJACENT
ADJT	ADJUSTABLE
ALT	ALTERNATE, ALTERNATIVE
AL	ALUMINUM
ANC	ANCHOR, ANCHORAGE
AB	ANCHOR BOLT
ARCH	ARCHITECT (URAL)
AD	AREA DRAIN
ASPH	ASPHALT
AUTO	AUTOMATIC
BRG	BEARING
BPL	BEARING PLATE
BM	BENCH MARK, BEAM
BEL	BELOW
BTWN	BETWEEN
BVL	BEVELED
BLK	BLOCK
BLKG	BLOCKING
BD	BOARD
BS	BOTH SIDES
BW	BOTH WAYS
BOT	BOTTOM
BLDG	BUILDING
BL	BRICK LEDGE
CAB	CABINET
CPT	CARPET (ED)
CSMT	CASEMENT
CK	CAULKING
CLG	CEILING
CEM	CEMENT
CT	CERAMIC TILE
CIR	CIRCLE
CLR	CLEAR (ANCE)
CLS	CLOSURE
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESS (ED), (ION), (IBLE)
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT (OR)
CJ	CONTROL JOINT
CPR	COPPER
CG	CORNER GUARD
CTR	CENTER
CFL	COUNTERFLASHING
CS	COUNTERSINK
CF	CUBIC FOOT
CY	CUBIC YARD
DL	DEAD LOAD
DEM	DEMOLISH, DEMOLITION
DTL	DETAIL
DIAM	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DBL	DOUBLE
DH	DOUBLE HUNG
DWL	DOWEL(S)
DS	DOWNSPOUT
DT	DRAIN TILE
DWR	DRAWER
DWG	DRAWING
EF	EACH FACE
ELEC	ELECTRIC (AL)
EP	ELECTRICAL PANELBOARD
EL	ELEVATION
ENC	ENCLOSE (URE)
EQ	EQUAL
EQP	EQUIPMENT
EST	ESTIMATE
EXH	EXHAUST
EXG	EXISTING
EJ	EXPANSION JOINT
EXP	EXPOSED
EXT	EXTERIOR
EWF	ELECTRIC WATER FOUNTAIN
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FAS	FASTEN, FASTENER
FBD	FIBERBOARD
FGL	FIBERGLASS
FIN	FINISH (ED)
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FPL	FIREPLACE
FP	FIREPROOF
FRT	FIRE-RETARDANT
FLG	FLASHING
FLX	FLEXIBLE
FLR	FLOOR (ING)
FD	FLOOR DRAIN
FPL	FLOOR PLATE
FLUR	FLUORESCENT
FJT	FLUSH JOINT
FTG	FOOTING
FND	FOUNDATION
FR	FRAME (D), (ING)
FS	FULL SIZE
FBO	FURNISHED BY OTHERS
FUR	FURRED (ING)
GA	GAGE, GUAGE
GALV	GALVANIZED
GC	GENERAL CONTRACT (OR)
GLF	GLASS FIBER
GB	GRAB BAR
GR	GRADE, GRADING
GVL	GRAVEL
GRT	GROUT
GYP BD	GYPSUM BOARD
HDW	HARDWARE
HWD	HARDWOOD
HDR	HEADER
HTG	HEATING
HD	HEAVY DUTY
HT	HEIGHT
HPDL	HIGH PRESS. DECOR. LAMINATE
HC	HOLLOW CORE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HB	HOSE BIB
HWH	HOT WATER HEATER
IN	INCH
INCL	INCLUDING
ID	INSIDE DIAMETER
IF	INSIDE FACE
INS	INSULATE (D), (ION)
INT	INTERIOR
JT	JOINT
JF	JOINT FILLER
J	JOIST
KPL	KICKPLATE
LBL	LABEL
LBP	LEAD-BASED PAINT
LAM	LAMINATE (D)
LAV	LAVATORY
LH	LEFT HAND
L	LENGTH
LT	LIGHT
LW	LIGHTWEIGHT
LF	LINEAL FEET
LTL	LINTEL
LL	LIVE LOAD
LVR	LOUVER
LPT	LOW POINT
MFR	MANUFACTURE (ER)
MAS	MASONRY
MO	MASONRY OPENING
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MBR	MEMBER
MMB	MEMBRANE
MTL	METAL
MWK	MILLWORK
MIN	MINIMUM
MISC	MISCELLANEOUS
MLD	MOLDING, MOULDING
MT	MOUNT (ED), (ING)
MOV	MOVABLE
MULL	MULLION
NAT	NATURAL
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPG	OPENING
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
OA	OVERALL
OH	OVERHEAD
P	PAINT (ED)
PNL	PANEL
PAR	PARALLEL
PK	PARKING
PTN	PARTITION
PERF	PERFORATE (D)
PERI	PERIMETER
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PL	PLATE
PWD	PLYWOOD
PT	POINT
PORC.	PORCELAIN
PVC	POLYVINYL CHLORIDE
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAL FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PFB	PREFABRICATE (D)
PFN	PREFINISHED
PRF	PREFORMED
PL	PROPERTY LINE
PHA	PUBLIC HOUSING AUTHORITY
RAD	RADIUS
RAN	RANGE
RL	RAIL (ING)
RE	REFERENCE
REF	REFRIDGERATOR
RFL	REFLECT (ED), (IVE), (OR)
REINF	REINFORCE (D), (ING)
REM	REMOVE
RES	RESILIENT
RVS	REVERSE (SIDE)
REV	REVISION (S), REVISED
RH	RIGHT HAND
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RB	RUBBER BASE
SCH	SCHEDULE
S	SEALER
SEC	SECTION
SHTG	SHEATHING
SHT	SHEET
SH	SHELF, SHELVING
SIM	SIMILAR
SL	SLEEVE
SC	SOLID CORE
SPL	SPECIAL
SPEC	SPECIFICATIONS
SQ	SQUARE
SF	SQUARE FOOT
SY	SQUARE YARD
S□V	STAINED AND VARNISHED
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STO	STORAGE
STRUCT	STRUCTURAL
SYM	SYMMETRY (ICAL)
SYS	SYSTEM
TEL	TELEPHONE
TV	TELEVISION
THK	THICK (NESS)
THR	THRESHOLD
TOL	TOLERANCE
T□G	TONGUE AND GROOVE
T.STL	TOP OF STEEL
TSL	TOP OF SLAB
TFTG	TOP OF FOOTING
TYP	TYPICAL
UC	UNDERCUT
UNF	UNFINISHED
VJ	V-JOINT (ED)
VB	VAPOR BARRIER
VAR	VARNISH
VNR	VENEER
VERT	VERTICAL
WP	WATERPROOFING
WR	WATER REPELLENT
WS	WATERSTOP
WWF	WELDED WIRE FABRIC
W	WIDTH, WIDE
w/	WITH
WDW	WINDOW
W/O	WITHOUT
WD	WOOD
WB	WOOD BASE

DRAWING INDEX

SHEET No.	SHEET TITLE
	GENERAL
G-101	COVER SHEET
G-102	ABBREVIATIONS, LEGEND, GENERAL NOTES, AND SHEET INDEX
	CIVIL
C-101	JUNIOR HIGH STORM WATER DRAINAGE PLANS, NOTES & DETAILS
	STRUCTURAL
S-001	GENERAL NOTES
S-101	FOUNDATION PLAN
S-102	FOUNDATION DETAILS
S-201	FRAMING PLAN AND DETAILS
S-221	JR. HIGH LINTEL DETAILS
S-301	MASONRY DETAILS
	ARCHITECTURAL
A-101	JUNIOR HIGH OVERALL FLOOR PLAN
A-102	JUNIOR HIGH ADDITION AREA PLANS
A-103	JUNIOR HIGH ADDITION REFLECTED CEILING AND RELATED DETAILS
A-104	JUNIOR HIGH ADDITION ROOF PLAN AND RELATED DETAILS
A-201	JUNIOR HIGH ADDITION BUILDING ELEVATIONS AND SECTIONS
A-301	JUNIOR HIGH ADDITION BUILDING SECTIONS
A-401	JUNIOR HIGH ADDITION MISCELLANEOUS DETAILS
	ELECTRICAL
E-001	SYMBOLS AND GENERAL NOTES
E-101	JUNIOR HIGH ADDITION DEMOLITION, POWER, LIGHTING, AND FIRE ALARM PLANS

GENERAL NOTES:

1. ALL WORK RELATED TO SECURITY CAMERA SYSTEM IS CONSIDERED BID A. ALL OTHER WORK IS CONSIDERED BID B. SEE FRONT END SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER, ARCHITECT/ENGINEER, AND OTHER TRADES/CONTRACTORS THROUGHOUT THE COURSE OF THE PROJECT.
3. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ALL OWNER RELATED SCHEDULES, PROCEDURES, CLEARANCES, AND REQUIREMENTS TO ACCESS THE OWNER'S FACILITIES. SUCH PROCEDURES ARE INCIDENTAL TO THE CONTRACT AND SHALL NOT RESULT IN EXTRA COSTS TO THE OWNER.
4. EXISTING SITE WILL BE OCCUPIED THROUGHOUT CONSTRUCTION. DO NOT BLOCK STREETS, ROADS, ALLEYS, ETC.
5. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER PRIOR TO STARTING WORK.
6. THE CONTRACTOR SHALL TAKE NOTE OF ALL EXISTING SITE CONDITIONS AND BE PREPARED TO MOVE OR DISPOSE OF OBJECTS OR MATERIALS WITHIN THE LIMITS OF THE PROJECT. SUCH WORK SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE.
7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND MAKE MINOR ADJUSTMENTS AS NECESSARY. NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT THE OUTCOME OF THE WORK. DIMENSIONS SHOWN ARE FROM FACE OF FINISH TO FACE OF FINISH UNLESS NOTED OTHERWISE.
8. DIMENSIONS NOTED ON DRAWINGS ARE FOR GENERAL INFORMATION ONLY. PRIOR TO SUBMITTING A BID PROPOSAL, THE CONTRACTOR SHALL THOROUGHLY SURVEY THE EXISTING SITE TO VERIFY EXISTING DIMENSIONS, CONDITIONS, AND DETERMINE ALL MATERIALS, LABOR, AND INCIDENTALS NEEDED FOR COMPLETION OF THE INTENDED CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND FIELD CONDITIONS PRIOR TO FABRICATION OR CONSTRUCTION::MAKE MINOR ADJUSTMENTS::AND NOTIFY THE ARCHITECT/ENGINEER OF ANY CONDITIONS THAT MAY AFFECT THE OUTCOME OF THE WORK.
9. AFTER ALL WORK IS COMPLETED, CONTRACTOR SHALL CLEAN WORK AREAS SO THAT THEY ARE FREE OF ANY CONSTRUCTION MATERIALS, TOOL, DIRT AND DEBRIS. FINE GRADE, FERTILIZE, SEED AND STRAW ALL DISTURBED LAWN AREAS.
10. EXISTING SITE IMPROVEMENTS DISTURBED OUTSIDE THE DESIGNATED CONSTRUCTION AREAS ARE TO BE REPLACED WITH EQUAL OR BETTER CONSTRUCTION AT THE EXPENSE OF THE CONTRACTOR. EVERY EFFORT SHALL BE MADE TO MINIMIZE SUCH DISTURBANCES.
11. INFORMATION NOTED ON DRAWINGS ARE FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE LAYOUT OF THE SITES AND ALL LOCATION AND DEPTHS OF EXISTING UTILITIES/COMMUNICATION LINES AND REQUIRED CLEARANCES VERTICAL/HORIZONTAL. CONTRACTOR SHALL MAKE ADJUSTMENTS TO ENSURE PROPER INSTALLATION OF REQUIRED WORK AT NO EXTRA COST TO THE OWNER.
12. EXISTING SITE VEGETATION AND CONSTRUCTION, SUCH AS SIDEWALKS, STOOPS, ETC., THAT ARE DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUAL OR BETTER CONSTRUCTION AT THE EXPENSE OF THE CONTRACTOR. EVERY EFFORT SHALL BE MADE TO MINIMIZE SUCH DISTURBANCES AND DAMAGES.
13. ALL ITEMS NOTED TO REMAIN SHALL NOT BE DISTURBED AND SHALL REMAIN IN PLACE. CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE ANY DISTURBANCES. IN THE EVENT EXISTING ITEMS ARE DISTURBED, CONTRACTOR SHALL REPAIR/REPLACE WITH EQUAL OR BETTER CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.
14. PRIME CONTRACTOR FOR EACH BID SHALL COORDINATE REMOVAL, HAULING, AND LEGAL DISPOSAL OF ALL MATERIALS WITH SUBCONTRACTORS.
15. CONTRACTOR SHALL MAINTAIN PROJECT SITE FREE FROM CONSTRUCTION DEBRIS AS REQUIRED BY THE OWNER. COORDINATE WITH THE OWNER.
16. ALL REFUSE AND DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR. GENERAL CONTRACTOR SHALL COORDINATE REMOVAL, HAULING, AND LEGAL DISPOSAL OF ALL MATERIALS WITH SUBCONTRACTORS. CLEAN ALL WORK AREAS DAILY.
17. MAINTAINING DRAINAGE - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. DAMAGE RESULTING FROM IMPROPER MAINTENANCE OF DRAINAGE SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. COST OF MAINTAINING FLOWS IS INCIDENTAL TO THE CONTRACT.
18. CONTRACTOR SHALL BACKFILL AREAS AROUND RAMPS, WALKS AND STOOPS FOR POSITIVE DRAINAGE AWAY FROM BUILDINGS. SLOPE BACKFILL AT A MINIMUM OF ¼ INCH PER FOOT.
19. FINE GRADE, FERTILIZE, SEED AND STRAW ALL LAWN AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION.
20. WHERE LAWN AREAS ARE DISTURBED, BACKFILL AREAS AROUND RAMPS, WALKS, AND STOOPS FOR POSITIVE DRAINAGE AWAY FROM BUILDINGS. SLOPE BACKFILL AT 1/4" PER FOOT.
21. AFTER ALL WORK IS COMPLETED, CONTRACTOR SHALL CLEAN ALL AREAS AFFECTED BY CONSTRUCTION SO THAT THEY ARE FREE OF ANY CONSTRUCTION DIRT AND DEBRIS.
22. NEW WORK SHALL MATCH EXISTING ADJOINING CONSTRUCTION FOR A SMOOTH TRANSITION, EXCEPT WHERE NOTED.
23. PROTECT EXISTING UTILITIES DURING CONSTRUCTION.
24. CONTRACTOR SHALL NOTIFY OWNER AND ARCHITECT/ENGINEER PRIOR TO USE OF ANY SCAFFOLDING, LIFTS, SWING STAGES, ETC. USE OF SUCH MATERIALS AND EQUIPMENT SHALL MEET ALL FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS AND ORDINANCES.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BUILDING/WORK PERMITS AND CERTIFICATION REQUIREMENTS. SUBMIT COPIES OF ALL PERMITS/CERTIFICATIONS TO A/E AND OWNER.
26. RECONNECT ALL ITEMS THAT WERE DISCONNECTED DURING CONSTRUCTION. ENSURE ALL CONNECTIONS ARE SAFE AND WEATHER-TIGHT.
27. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL OR STATED JURISDICTIONAL CODES, ORDINANCES AND REGULATIONS.

MATERIAL LEGEND:

EARTH	CONCRETE MASONRY UNITS	STEEL □r□e sc□e	INSULATION r□d	PLASTER, SAND CEMENT, GROUT	
POROUS FILL stone, r□□e□ etc.	STRUCTURAL GLAZED TILE	STEEL sm□□sc□e	ACOUSTICAL TILE	RESILENT FLOORING	
ROCK	CUT STONE	PLYWOOD	CERAMIC TILE	ELEVATION SYMBOLS	
LIGHTWEIGHT CONCRETE	MARBLE	FINISH WOOD	QUARRY TILE	CONCRETE, PLASTER	
STRUCTURAL CONCRETE	RUBBLE STONE	ROUGH WOOD	TERRAZZO	SHEET METAL	
BRICK	ALUMINUM	INSULATION ôose or □□t	GYPSUM WALLBOARD	GLAZING	

CODES □ STANDARDS

INTERNATIONAL BUILDING CODE 2015, EXCLUDING CHAPTER 11
INTERNATIONAL EXISTING BUILDING CODE 2015
INTERNATIONAL FIRE CODE 2015, EXCLUDING CHAPTER 4
INTERNATIONAL FUEL GAS CODE 2015
INTERNATIONAL MECHANICAL CODE 2015
INTERNATIONAL PROPERTY MAINTENANCE CODE 2015
INTERNATIONAL ENERGY CONSERVATION CODE 2015
INTERNATIONAL PLUMBING CODE 2015
NATIONAL ELECTRIC CODE 2014
ILLINOIS PLUMBING CODE (71 ILL. ADM. CODE 890)
ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 400)
ILLINOIS STATE FIRE PARSHAL'S RULES TITLED BOILER AND PRESSURE VESSEL SAFETY (41 ILL. ADM. CODE 120)
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

THESE DRAWINGS COMPLY WITH THE ENVIRONMENTAL BARRIERS ACT (1985) AND THE STATE OF ILLINOIS CAPITAL DEVELOPMENT BOARD ACCESSIBILITY STANDARDS EFFECTIVE APRIL 24, 1997

TIMOTHY □ DOWNEN, AIA

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER: 184-000298
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HILLSBORO, IL
PH: 217.532.3959
www.hurst-rosche.com
EAST ST. LOUIS, IL
MARION, IL
SPRINGFIELD, IL
ARNOLD, MO
NEOSHO, MO
NASHVILLE, TN

SIGNATURE
06-04-2018
DATE
11-30-2018
LICENSE EXPIRES

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
TLD	TLD	ALT

ABBREVIATIONS, LEGEND, GENERAL NOTES, AND SHEET INDEX

G-102

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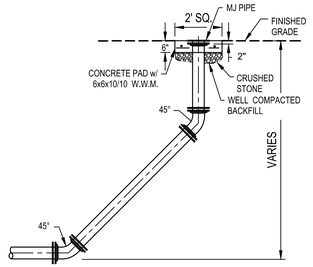
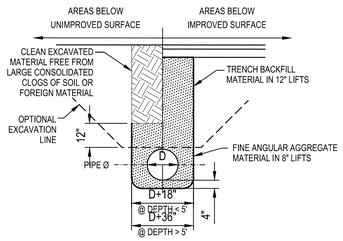


CLEANOUT TO GRADE DETAIL
NOT TO SCALE



UNDERGROUND UTILITY TRENCH DETAIL
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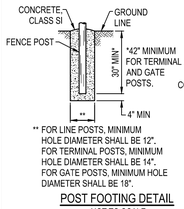

POST FOOTING DETAIL
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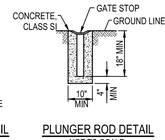

PLUNGER ROD DETAIL
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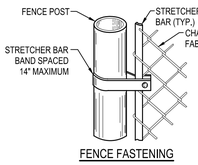
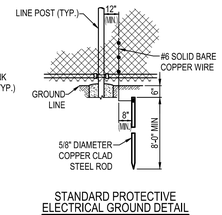
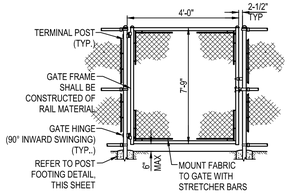


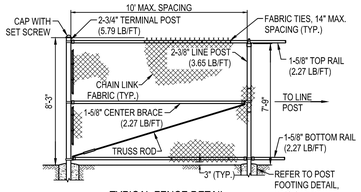
FENCE FASTENING DETAIL
NOT TO SCALE



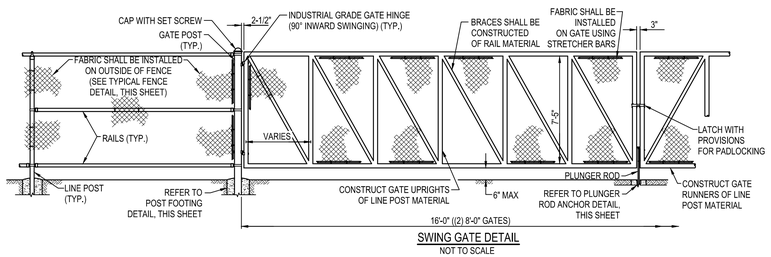
STANDARD PROTECTIVE ELECTRICAL GROUND DETAIL
NOT TO SCALE



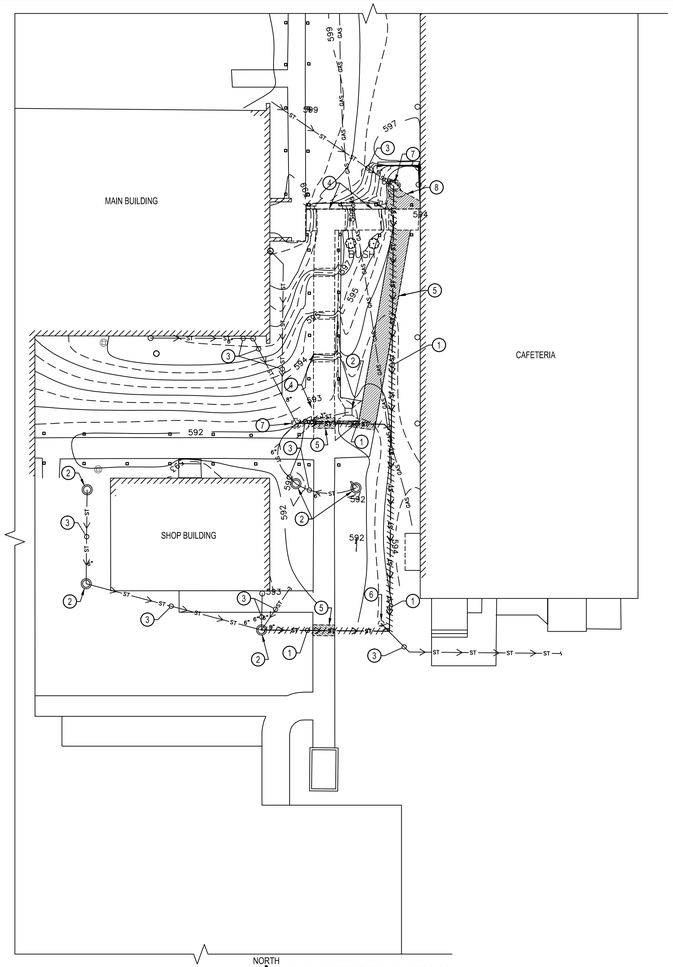
PEDESTRIAN GATE DETAIL
NOT TO SCALE



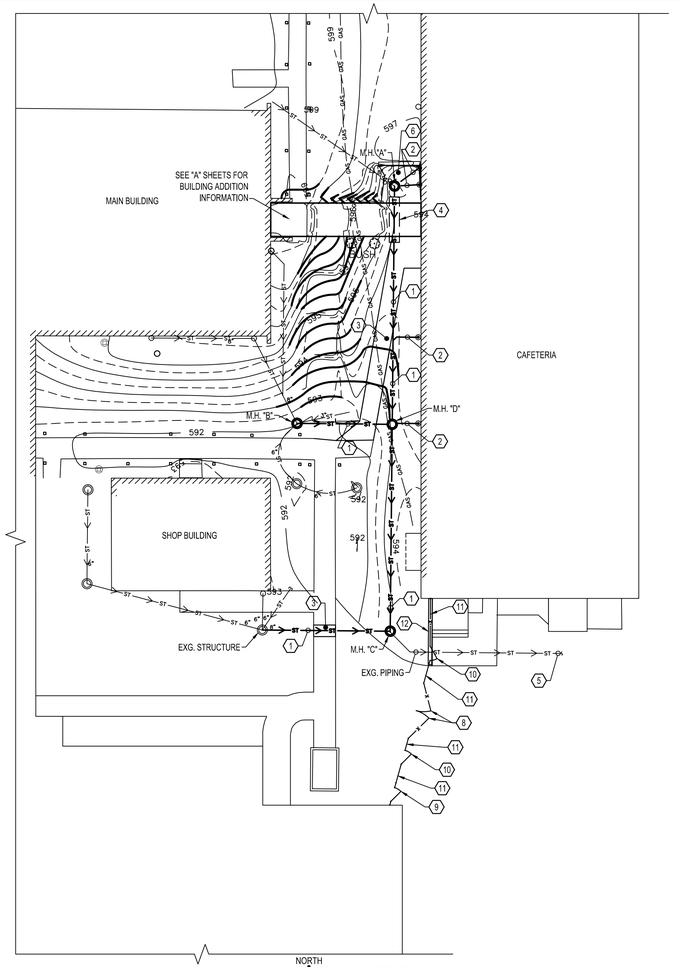
TYPICAL FENCE DETAIL
NOT TO SCALE



SWING GATE DETAIL
NOT TO SCALE



NORTH
JHS SITE DEMOLITION
SCALE: 1" = 20'



NORTH
JHS SITE PLAN
SCALE: 1" = 20'

DEMOLITION NOTES: (X)

1. REMOVE EXISTING STORM SEWER PIPING. (8" PVC SHALL BE FIELD VERIFIED PRIOR TO ORDERING AND DELIVERY OF PIPE)
2. EXISTING STORM SEWER STRUCTURE TO REMAIN.
3. EXISTING STORM SEWER PIPING TO REMAIN.
4. SEE "A" SHEETS FOR SIDEWALK/CANOPY DEMOLITION INFORMATION.
5. REMOVE EXISTING SIDEWALK. SEE "A" SHEETS FOR ADDITIONAL INFORMATION.
6. REMOVE EXISTING CLEANOUT.
7. REMOVE EXISTING MANHOLE.
8. REMOVE EXISTING CONCRETE AROUND INLET.

CONCRETE SIDEWALK DEMOLITION/REPLACEMENT NOTE:

CONCRETE SIDEWALK DEMOLITION AREAS INDICATED ON THIS SHEET ARE ONLY THE AREAS ASSOCIATED WITH STORM SEWER REMOVAL/REPLACEMENT. SEE "A" SHEETS FOR ADDITIONAL CONCRETE SIDEWALK REMOVAL AND/OR NEW SIDEWALK INSTALLATION REQUIRED BY THIS CONTRACT.

*** FIELD LOCATE ALL DRAINAGE STRUCTURES AND CONFIRM INVERT ELEVATIONS WITH STORM SEWER SIZE PRIOR TO ORDERING DRAINAGE STRUCTURES AND STORM SEWER PIPING.**

KEYED NOTES: (X)

1. PROPOSED STORM SEWER PIPING. (8" STORM PIPE SHALL BE FIELD VERIFIED PRIOR TO ORDERING AND DELIVERY OF PIPE)
2. PROPOSED 8" DUAL WALL POLYETHYLENE PIPE ROOF DRAIN PIPING. CONNECT TO EXISTING DOWNSPOUT.
3. PROPOSED 4" PCC SIDEWALK. SEE "A" SHEETS FOR ADDITIONAL INFORMATION AND RELATED WORK.
4. PROPOSED 12" HDPE CASING. SEE "A" SHEETS FOR ADDITIONAL INFORMATION.
5. CLEAN AND TELEVISE EXISTING STORM SEWER TO THE OUTLET.
6. 4" PCC SPLASH PAD. GRADE TO DRAIN.
7. 8'-0" TALL BLACK VINYL COATED CHAIN LINK FENCING.
8. (2) 8'-0" TALL BY 8'-0" WIDE BLACK VINYL COATED CHAIN LINK FENCE SWING GATE EQUIPPED WITH PLUNGER RODS AND FOR OWNER SUPPLIED PADLOCK.
9. 8'-0" TALL BY 4'-0" WIDE BLACK VINYL COATED CHAIN LINK FENCE SWING GATE EQUIPPED FOR OWNER SUPPLIED PADLOCK.
10. 8'-0" TALL BY 4'-0" WIDE BLACK VINYL COATED CHAIN LINK FENCE GATE EQUIPPED WITH PANIC BAR HARDWARE.
11. 8'-0" TALL BLACK VINYL COATED CHAIN LINK FENCE.
12. INSTALL 12"x12" CONCRETE CURB UNDER FENCE. TOP OF CURB SHALL MATCH TOP OF ADJACENT EXISTING CONCRETE.

HIGHWAY STANDARDS:

602401-04	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
664001-02	CHAIN LINK FENCING

GENERAL NOTES:

1. ROOF UNDERDRAINS SHALL BE CONSTRUCTED OF HIGH DENSITY OR DUAL WALL POLYETHYLENE MATERIAL IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION ARTICLE 1040.04.
2. ALL ROOF UNDERDRAINS SHALL FLOW AT A 0.5% MINIMUM SLOPE AND HAVE A MINIMUM OF 1 FOOT OF COVER. INSTALLATION SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION SECTION 601.
3. ALL UNDERDRAIN ELBOWS, WYES, AND OTHER VARIOUS FITTINGS SHALL BE PROVIDED BY THE CONTRACTOR FOR COMPLETION OF WORK.
4. SEE TRENCH DETAIL, THIS SHEET.
5. SEE CLEANOUT DETAIL, THIS SHEET.
6. ALL UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED USING CLASS I IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION SECTION 250. BROADCASTING WILL BE PERMISSIBLE.
7. ALL UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE MULCHED USING METHOD I IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION SECTION 251.
8. SIDEWALK REMOVAL AND REPLACEMENT SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION SECTIONS 420 AND 421.
9. ALL FENCING SHALL BE 8'-0" TALL BLACK VINYL COATED AND SHALL BE INSTALLED PER IDOT STANDARD 664001-02.
10. EGRESS MAN-GATES SHALL INCLUDE ALL-WEATHER SURFACE MOUNT PANIC BAR HARDWARE ON 24"x48" MOUNTING PLATE TO PROTECT ENTRY FROM SECURED SIDE OF GATE. PANIC BARS SHALL BE MARKED "EMERGENCY EXIT" IN RED LETTERS OF WEATHER RESISTANT PAINT OF VINYL DECALS. EACH EGRESS MAN-GATE AND A MINIMUM OF 4'-0" OF ADJACENT CHAIN LINK FENCING ON EITHER SIDE OF EGRESS MAN-GATES SHALL RECEIVE FULL HEIGHT POWDER-COATED EXPANDED METAL SHEETING TO FURTHER DETER UNAUTHORIZED ENTRY.
11. STANDARD MAN-GATE SHALL BE EQUIPPED WITH LATCH TO ALLOW FOR PAD LOCKING.
12. VEHICLE ACCESS SWINGING GATES SHALL BE EQUIPPED WITH PLUNGER ROD AND LATCH TO ALLOW FOR PAD LOCKING. SECURELY MOUNT 12" LONG, TREATED 2"x12" TO ONE OF THE VEHICLE GATES. PROVIDE AND INSTALL SURFACE MOUNT KNOX TO 2"x12".

MANHOLE "A": REMOVE AND REPLACE MANHOLE
M.H. (4' DIA.), TYPE A

GRATE TYPE 8

TOP EL.: 593.15
INV. W: 591.88 (8" ROOF DRAIN)
INV. S: 591.33 6" EXG. IRON - 8" PROPOSED SS

BOTTOM EL.: 591.33

MANHOLE "B": REMOVE AND REPLACE MANHOLE
M.H. (4' DIA.), TYPE A

GRATE TYPE 8

TOP EL.: 591.08
INV. NW: 589.58 (8" ROOF DRAIN)
INV. S: 589.28 (8" ROOF DRAIN)
INV. E: 588.50

BOTTOM EL.: 588.50

MANHOLE "C": PROPOSED
FIELD LOCATE EXISTING CONNECTIONS MATCH EXISTING ELEVATIONS
M.H. (4' DIA.) TYPE A

GRATE TYPE 8

TOP EL.: 593.00±
INV. N: _____ (8" SS)
INV. W: _____ (8" SS)
INV. SE: _____ (X" SS)
} FIELD LOCATE ELEVATIONS TO MATCH PIPE ELEVATIONS

APPROX. BOTTOM EL: 588.00±

MANHOLE "D": PROPOSED
FIELD LOCATE EXISTING CONNECTIONS MATCH EXISTING ELEVATIONS
M.H. (4' DIA.), TYPE A

GRATE TYPE 8

TOP EL.: 593.00±
BOTTOM EL.: _____
INV. N: _____ (8" SS)
INV. W: _____ (8" SS)
INV. E: _____ (8" ROOF DRAIN)
INV. S: _____ (8" SS)
} FIELD LOCATE ELEVATIONS TO MATCH PIPE ELEVATIONS

APPROX. BOTTOM: 588.50±

Hurst-Rosche, Inc.
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LICENSED ARCHITECT
TIMOTHY L DOWNEN
001.021928
STATE OF ILLINOIS

SIGNATURE
DATE 06-04-2018
LICENSE EXPIRES 11-30-2018

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
JJC	ATH	JJC

JUNIOR HIGH
STORM WATER
DRAINAGE PLANS
NOTES & DETAILS

C-101

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1. DESIGN CRITERIA:

A. CODES AND STANDARDS
ALL DESIGN AND CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE.

B. LIVE LOAD DATA
ROOF.....20 PSF
ALL LIVE LOADS NON-REDUCIBLE

C. WIND LOAD DATA
BASIC WIND SPEED.....115 MPH
IMPORTANCE FACTOR.....1.0
EXPOSURE CLASSIFICATION.....“C”
COMPONENTS AND CLADDING WIND DESIGN PRESSURE (WALL).....31 PSF
COMPONENTS AND CLADDING WIND DESIGN PRESSURE (ROOF).....51 PSF
COMPONENTS AND CLADDING WIND DESIGN PRESSURE (OVERHANG).....57 PSF

D. SEISMIC LOAD DATA
MAPPED SPECTRAL ACCELERATIONS
0.2 SECOND PERIOD (Ss).....0.347
1.0 SECOND PERIOD (S1).....0.142
SPECTRAL RESPONSE COEFFICIENTS
0.2 SECOND PERIOD (SDs).....0.352
1.0 SECOND PERIOD (SD1).....0.211
OCCUPANCY CATEGORY.....II
SEISMIC IMPORTANCE FACTOR.....1.0
SITE CLASS.....“D”
SEISMIC DESIGN CATEGORY.....“D”
ANALYSIS PROCEDURE.....EQUIVALENT LATERAL FORCE
SEISMIC FORCE-RESISTING SYSTEM
N-S DIRECTION....A.7 SPECIAL REINFORCED MASONRY SHEAR WALLS
R = 5, Ωo = 2 1/2, Cd = 3 1/2
E-W DIRECTION...A.7 SPECIAL REINFORCED MASONRY SHEAR WALLS
R = 5, Ωo = 2 1/2, Cd = 3 1/2

E. SNOW LOAD DATA
GROUND SNOW LOAD.....20 PSF
FLAT ROOF SNOW LOAD.....20 PSF
SNOW EXPOSURE FACTOR.....1.0
SNOW LOAD IMPORTANCE FACTOR.....1.0
THERMAL EXPOSURE FACTOR.....1.0
DESIGN SNOW LOAD.....20 PSF

F. IN CASE OF CONFLICT BY GOVERNING CODES, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

2. FOUNDATIONS:

A. GENERAL
1. THE FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE 2015 INTERNATIONAL BUILDING CODE.
2. THE UPPER 6 INCHES OF ALL SLAB SUBGRADES, INCLUDING GRADE BEAMS, SHALL BE COMPACTED TO 95 PERCENT OR GREATER OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) AND WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT IMMEDIATELY PRIOR TO PLACEMENT. ALL BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS, CAPS, AND WALLS SHALL BE COMPACTED TO 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. WELL-GRADED AGGREGATE LOCATED BENEATH FOOTINGS SHOULD BE COMPACTED TO 100 PERCENT OR GREATER OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). COHESIVE FILL MATERIAL BENEATH FOOTINGS SHOULD BE COMPACTED TO 95 PERCENT OR GREATER OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) AND WITH A MOISTURE CONTENT WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
3. ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM BELOW GRADE BEAMS, FOOTINGS, SLABS, AND BACKFILL AREAS, AND THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPACTED TO 100 PERCENT OR GREATER OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) OR COHESIVE SOIL MATERIAL COMPACTED TO 95 PERCENT OR GREATER OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) AND WITH A MOISTURE CONTENT WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
4. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING, GRADE BEAM, OR STRUCTURAL SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.
5. ALL SLABS-ON-GRADE SHALL BE PLACED OVER A CONTINUOUS VAPOR RETARDER OVER A MINIMUM OF 4 INCHES OF COMPACTED GRANULAR MATERIAL WHICH IS PLACED OVER A COMPACTED SOIL SUBGRADE.
6. GRADE BEAMS AND WALLS THAT RETAIN EARTH ON BOTH SIDES SHALL BE BACKFILLED ON BOTH SIDES SIMULTANEOUSLY.

B. FOOTINGS
1. SHALLOW FOOTINGS SHALL BEAR ON PREPARED SUBGRADE CAPABLE OF SUSTAINING A NET ALLOWABLE BEARING PRESSURE OF 1.5 KSF FOR CONTINOUS FOOTING UNDER FULL SERVICE LIVE AND DEAD LOAD.
2. FOOTINGS SHALL BE POURED INTO AN EARTH-FORMED TRENCH U.N.O.
3. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER OR AUTHORIZED REPRESENTATIVE PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
4. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 2'-6" BELOW FINAL EXTERIOR GRADE FOR FROST PROTECTION U.N.O.

3. EXISTING CONDITIONS:

A. BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING. PROVIDE NECESSARY MEANS AND METHODS TO ACCOMPLISH THE SPECIFIED WORK.
B. FIELD VERIFY CONDITIONS, SIZES, SPACINGS, AND DIMENSIONS OF EXISTING STRUCTURE TO FABRICATIONS AND NEW CONSTRUCTION. CONTACT THE STRUCTURAL ENGINEER IF EXISTING CONDITIONS, ETC. VARY FROM THOSE SHOWN ON THESE DRAWINGS.
C. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY REMOVAL AND REPLACEMENT/RELOCATION OF ANY NON-STRUCTURAL ELEMENTS NECESSARY TO COMPLETE THE STRUCTURAL WORK. FOLLOW ALL APPLICABLE CODES AND REQUIREMENTS OF AFFECTED TRADES. PROVIDE FOR THIS REQUIREMENT IN THE BID.
D. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION INCLUDING LAGGING, SHORING , UNDERPINNING, AND PROTECTION OF EXISTING CONSTRUCTION.

4. CONCRETE:

A. NO CONCRETE SHALL BE POURED IN EXCAVATIONS CONTAINING WATER.
B. ALL CONSTRUCTION JOINTS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE, UNLESS THEIR ELIMINATION IS APPROVED BY THE ARCHITECT. ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION, SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR AND SHALL BE DETAILED ON SHOP DRAWINGS. REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT.
C. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
D. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, SLAB DEPRESSIONS, AND FOR MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC.
E. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301.
F. MECHANICAL AND ELECTRICAL DRAWINGS SHALL BE REFERRED TO FOR DRAINS, SLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC. THE VARIOUS TRADES ARE RESPONSIBLE FOR PLACING THEIR ITEMS.
G. REFER TO ARCHITECTURAL DRAWINGS FOR UNDERFLOOR AND PERIMETER FOUNDATION DRAINS.
H. ALL CONCRETE IS REINFORCED CONCRETE UNLESS SPECIFICALLY CALLED OUT AS “UNREINFORCED.“ REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH SAME REINFORCED STEEL AS IN SIMILAR SECTIONS OR AREAS.
I. AT ALL OPENINGS IN CONCRETE WALLS, SLABS, AND REENTRANT CORNERS, ADD 2-#5 BARS (OPENING DIMENSION PLUS 60 BAR DIAMETERS LONG) AT EACH OF THE FOUR SIDES, ALSO ADD 2-#5 BARS 4'-0" LONG DIAGONAL AT EACH OF FOUR CORNERS. BAR LENGTHS SHALL EXTEND 2'-0" PAST OPENINGS EACH SIDE.
J. BARS MARKED CONTINUOUS AND ALL VERTICAL STEEL SHALL BE LAPPED PER DETAIL 10/S-102 AT SPLICES (UNLESS NOTED OTHERWISE ON DRAWINGS).
K. NO ALUMINUM ITEMS SHALL BE EMBEDDED IN CONCRETE.
L. ALL REINFORCEMENT SPACING ARE SHOWN TO CENTERLINE OF BARS UNLESS NOTED OTHERWISE.
M. PLACE REINFORCEMENT AS SHOWN. REFER TO NOTES BELOW FOR REINFORCEMENT NOT SHOWN:
1. CENTER ALL VERTICAL REINFORCEMENT IN WALL PANELS, FOUNDATIONS, AND FROST WALLS.
2. CENTER ALL WWR SLAB REINFORCEMENT AND DOWELS.
N. INTERIOR SLAB-ON-GRADE SHALL BE CONSTRUCTED AS A 4" NORMALWEIGHT CONCRETE SLAB WITH 6X6 - W2.9XW2.9 W.W.R.
O. THE SURFACE OF FOUNDATIONS AND SLABS THAT RECEIVE MASONRY CONSTRUCTIONS SHALL BE SLIGHTLY ROUGHENED. THE ROUGH FINISH SHALL BE A MINIMUM OF 1/8" UPSET.

5. ANCHORS:

A. FASTENERS SHOWN IN THE TABLE BELOW ARE MANUFACTURED BY HILTI. CONTRACTOR MAY SUBSTITUTE EQUIVALENT ALTERNATIVES WITH WRITTEN APPROVAL FROM ARCHITECT/ENGINEER.

Fastener Schedule

TYPE	SPECIFICATION	MINIMUM EMBEDMENT
DOWEL BAR	#4 GALVANIZED STEEL REBAR SPACED @ 2'-0"	1' - 0"
DRILLED REBAR	#6 GALVANIZED STEEL REBAR WITH HILTI HY 200 SAFE SET SYSTEM SPACED @ 1'-0"	1' - 0"

B. IF ANCHORED IN MASONRY, CELLS SHALL BE GROUTED FULL U.N.O.
C. INSTALL PER MANUFACTURE'S RECOMMENDATIONS.

6. METAL ROOF DECK:

A. METAL ROOF DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.
B. METAL ROOF DECK (30) SHALL BE S.D.I. 18 GAUGE STEEL ROOF DECKING 1.5" DEEP AND ROLLED OF STEEL SHEETS CONFORMING TO ASTM A653 GRADE 33 AND SHALL BE GALVANIZED TO G90 REQUIREMENTS. NO METAL ROOF DECK SHALL HAVE SECTION PROPERTIES PER FOOT OF WIDTH LESS THAN THE FOLLOWING:
- I_+ = 0.205 INCH^4
- I_- = 0.175 INCH^4
- S_+ = 0.183 INCH^3
- S_- = 0.189 INCH^3

C. METAL ROOF DECK HAS BEEN DESIGNED TO FUCTION AS A DIAPHRAM FOR THE TRANSMISSION OF LATERAL LOADS. CONNECT DECK UNITS TO EACH OTHER WITH 5/8" Ø PUDDLE WELD IN A 36/3 PATTERN FOR THE 1.5" DEEP METAL ROOF DECK. CONNECT DECK UNITS TO EXTERIOR SUPPORTS AND ALL OTHER DECK BOUNDARIES WITH 5/8" Ø SEAM WELDS AT 36" ON CENTER.
D. DO NOT SUSPEND PIPES OR DUCTS FROM ROOF DECK.
E. FABRICATE DECK UNITS IN LENGTHS TO SPAN THREE OR MORE SUPPORT SPACINGS. SUPPORTS SPACES CLOSER THAN 1' SHALL BE CONSIDERED AS ONE SUPPORT.
F. DECKING MANUFACTURER SHALL COORDINATE SIZE AND LOCATION OF ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

7. REINFORCEMENT:

A. REINFORCING BARS SHALL HAVE THE FOLLOWING MINIMUM COVERAGE. PLACE BARS AS NEAR TO THE CONCRETE SURFACE AS THESE MINIMUMS PERMIT WHEREVER POSSIBLE U.N.O.:
MIN. CONCRETE COVER

CONCRETE POURED AGAINST EARTH	3"
FORMED CONCRETE IN CONTACT WITH EARTH	2"
FACE OF CONCRETE EXPOSED TO WEATHER	2"
SLABS AND WALLS	3/4"
BEAMS AND COLUMNS	1 1/2"

B. ALL LAP SPLICES ARE CLASS "B" LAP SPLICES, U.N.O.
C. REBAR BENDS SHALL BE MADE COLD. REBAR SHALL NOT BE BENT AFTER ANY PORTION OF THE BAR IS ENCASED IN CONCRETE.
D. ALL WALL FOOTING REINFORCEMENT SHALL BEND AROUND ALL CORNERS AND EXTEND 36 BAR DIAMETERS OR 18 INCHES WHICHEVER IS LARGER, U.N.O.
E. BARS SHALL BE FIRMLY SUPPORTED AND ACCURATELY PLACED AS REQUIRED BY THE A.C.I. STANDARDS, USING TIE AND SUPPORT BARS IN ADDITION TO REINFORCEMENT SHOWN WHERE NECESSARY FOR FIRM AND ACCURATE PLACING. PROVIDE DOWELS TO MATCH ALL REINFORCEMENT AT POUR JOINTS, U.N.O.. ALL DOWELS SHALL BE ACCURATELY SET IN PLACE BEFORE PLACING CONCRETE.
F. IN WALL REINFORCING, VERTICAL BARS SHALL BE PLACED CLOSEST TO THE WALL SURFACE, U.N.O.
G. DRAWINGS SHOW TYPICAL REINFORCING CONDITIONS. CONTRACTOR SHALL PREPARE DETAILED PLACEMENT DRAWINGS OF ALL CONDITIONS SHOWING QUANTITY, SPACING, SIZE, CLEARANCES, LAPS, INTERSECTIONS, AND COVERAGE REQUIRED BY STRUCTURAL DETAILS, APPLICABLE CODE, AND TRADE STANDARDS. CONTRACTOR SHALL NOTIFY REINFORCING INSPECTOR OF ANY ADJUSTMENTS FROM TYPICAL CONDITIONS WHICH ARE PROPOSED IN PLACEMENT DRAWINGS TO FACILITATE FIELD PLACEMENT OF REINFORCING STEEL AND CONCRETE.
H. NO WELDING OF REINFORCEMENT (INCLUDING TACK WELDING) SHALL BE DONE UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE OWNER'S REPRESENTATIVE.

8. STRUCTURAL STEEL:

A. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE, EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
B. U.N.O. THE MINIMUM PLATE THICKNESS SHALL BE 1/4", THE MINIMUM BOLT DIAMETER SHALL BE 5/8", THE MINIMUM WELD SHALL BE 3/16" AND THE MINIMUM DESIGN LOAD ON ANY CONNECTION SHALL BE 10 KIPS. BOLT HOLES SHALL BE STANDARD 1/16" DIAMETER LARGER THAN BOLT.
C. ALL STRUCTURAL STEEL EXPOSED TO VIEW ON INTERIOR OR EXTERIOR OF THE BUILDING SHALL CONFORM TO THE REQUIREMENTS OF ARCHITECTURALLY EXPOSED STEEL OF AISC CODE OF STANDARD PRACTICE SECTION 10.
D. ALL EXTERIOR EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, U.N.O.
E. BOLTED CONNECTIONS:
1. ALL EXTERIOR EXPOSED BOLTS, NUTS, AND WASHERS SHALL BE TYPE 3 U.N.O.
2. SHOP DRAWINGS SHALL INDICATE THE TYPE OF BOLT USED IN EACH CONNECTION AND THE DESIGN VALUES USED FOR THE VARIOUS BOLT TYPES.
F. ALL WELDS EXPOSED TO VIEW SHALL BE GROUND SMOOTH.
G. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
H. NO CHANGE IN SIZE OR POSITION OF STRUCTURAL ELEMENTS SHALL BE MADE AND HOLES, SLOTS, CUTS, ETC. ARE NOT PERMITTED THROUGH ANY MEMBER UNLESS THEY ARE APPROVED BY THE ARCHITECT/ENGINEER.
I. NO FINAL BOLTING OR WELDING SHALL BE MADE UNTIL AS MUCH OF THE STRUCTURE AS WILL BE STIFFENED THEREBY, HAS BEEN PROPERLY ALIGNED.
J. FABRICATE AND INSTALL ALL BEAMS WITH THE MILL CAMBER UP
K. ALL CONNECTIONS TO BE SHOP WELDED AND FIELD BOLTED WHERE PRACTICALLY POSSIBLE EXCEPT AS INDICATED ON DRAWINGS.
L. ALL STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF RUST INHIBITING PRIMER PAINT CONFORMING TO PROJECT SPECIFICATIOINS. FIELD TOUCH UP ALL UNPAINTED AREAS.
M. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE.
N. ALL ADDITIONAL STEEL OR OTHER MATERIALS REQUIRED BY THE CONTRACTOR FOR ERECTION PURPOSES AND SITE ACCESS OF STOCKPILED MATERIALS SHALL BY PROVIDED AT NO COST TO THE OWNER. ALL SUCH ADDITIONAL MATERIALS SHALL BE REMOVED BY THE CONTRACTOR UNLESS APPROVED BY THE OWNER IN WRITING.

9. LIGHT GAUGE STEEL FRAMING:

A. LIGHT GAUGE STEEL FRAMING SHALL MEET THE REQUIREMENTS OF THE FOLLOWING AMERICAN IRON AND STEEL INSTITUTE (AISI) STANDARDS AND SPECIFICATIONS:
1. NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI NAS)
2. STANDARD FOR COLD-FORMED STEEL FRAMING:
a. AISI GENERAL - GENERAL PROVISIONS
B. MATERIALS SHALL CONFORM WITH ASTM C955, CP60 COATING, GRADE 33.
C. JOISTS SHALL NOT BE SPLICED.
D. PROVIDE WEB STIFFENERS AT JOIST BEARING.
E. PROVIDE MATCHING THICKNESS TRACK AT ENDS OF JOISTS.
F. MEMBERS ARE SPECIFIED PER AISI GUIDELINES, i.e. 600S250-68 INDICATES:
600 = 6" (MEMBER DEPTH IN 1/100 INCH)
S = STRUCTURAL STUD (MEMBER STYLE)
250 = 2 1/2" (FLANGE WIDTH IN 1/100 INCH)
68 = 68 MILS (MATERIAL THICKNESS IN MILS)

10. MISCELLANEOUS:

A. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS, SHOP DRAWINGS, AND WORK.
B. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
C. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
D. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME LOADS ARE IMPOSED.
E. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
F. UNLESS OTHERWISE NOTED, FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIRE PROOFING METHODS, AND MATERIALS.
G. DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS.
H. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD. EXPANSION JOINTS SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED TO ACCOMMODATE ANTICIPATED THERMAL MOVEMENT AFTER THE BUILDING IS COMPLETE.
I. THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECT'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS HE/SHE HAS SPECIFICALLY INFORMED THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM CONTRACT DOCUMENTS.
J. ALL THIINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS, OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ARCHITECT/ENGINEER BEFORE THE AFFECTED WORK PROCEEDS.
K. FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR INFERRED BY THESE DRAWINGS.
L. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
M. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
N. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. DECISIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER.

11. REINFORCED MASONRY:

A. SEE SHEET S-301.

HURST-ROSCHE, INC.
PROFESSIONAL DESIGN NUMBER: 184-000298
1400 E. TREMONT STREET
HILLSBORO, IL
PH:217.532.3959
www.hurst-rosche.com
MARION, IL
EAST ST. LOUIS, IL
SPRINGFIELD, IL
ARNOLD, MO
NEOSHO, MO
NASHVILLE, TN

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-007200
HILLSBORO ILLINOIS
STATE OF ILLINOIS

SIGNATURE JUNE 05, 2018
DATE 11-30-2018
LICENSE EXPIRES

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 05, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
C.J.C.	C.J.C.	J.L.G.

General Notes

S-001

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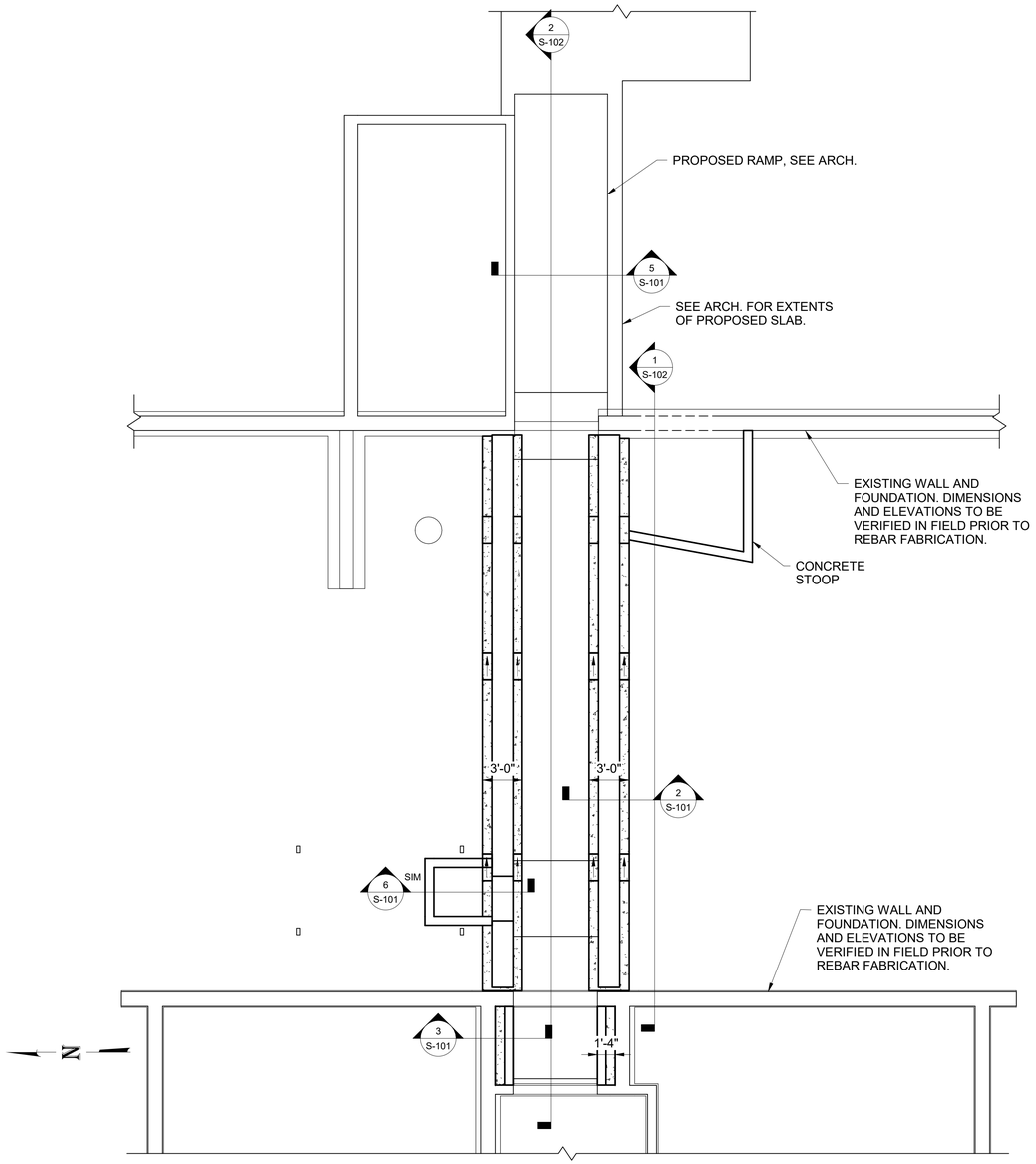
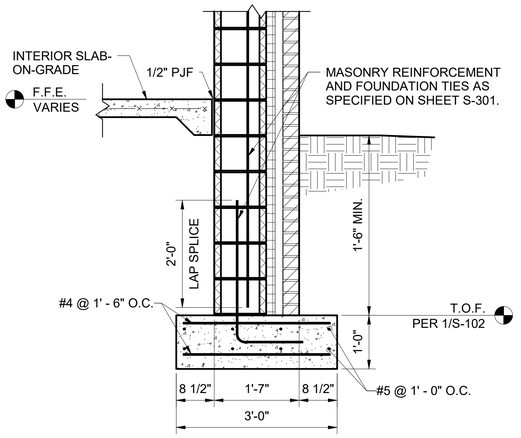
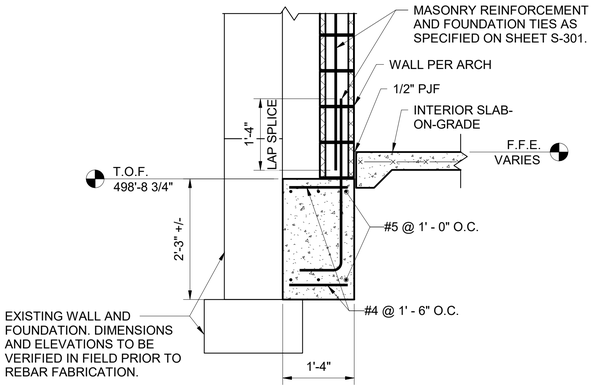


1 Foundation Plan
3/16" = 1'-0"



2 Foundation Section
3/4" = 1'-0"



3 Foundation Section
3/4" = 1'-0"

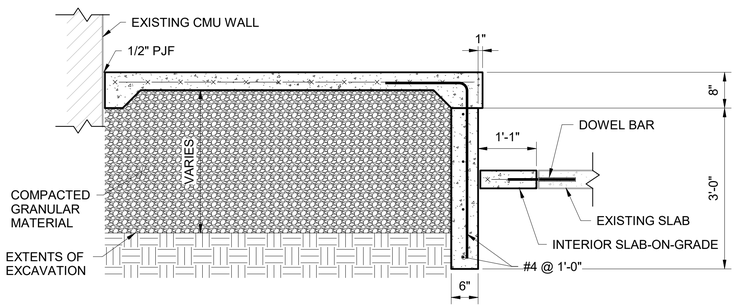
GENERAL NOTES:

1. SEE S-001 FOR ADDITIONAL INFORMATION.
2. SEE ARCH FOR FINISH FLOOR SLAB ELEVATION
3. EXISTING FOUNDATIONS TO BE FIELD VERIFIED. B.O.F. ELEVATION OF PROPOSED FOOTINGS ATTACHED TO EXISTING FOOTINGS ARE APPROXIMATE ONLY AND SHAL BE ADJUSTED UPON FIELD VERIFICATION.
4. SEE ARCH PLANS FOR DIMENSIONS AND LOCATION OF BEARING WALLS FOR VERIFICATION.
5. 2" PERIMETER INSULATION SHALL BE PLACED ON THE INSIDE OF ALL EXTERIOR FOUNDATIONS. SEE ARCH SHEETS.
6. WALL DETAILS SHOWN ARE FOR STRUCTURAL REPRESENTATION ONLY, SEE ARCH SHEETS FOR SIZE, TEXTURE, COLOR, ETC.
7. REFER TO ARCH AND CIVIL SHEETS FOR ALL STOOP LOCATIONS/DIMENSIONS. COORDINATE STOOP DIMENSIONS WITH EXTERIOR CONCRETE SIDEWALK JOINTS.
8. EXPOSED CONCRETE ON RAMP TO HAVE TO BE INTEGRAL COLORED CONCRETE. SEE SPECIFICATIONS.

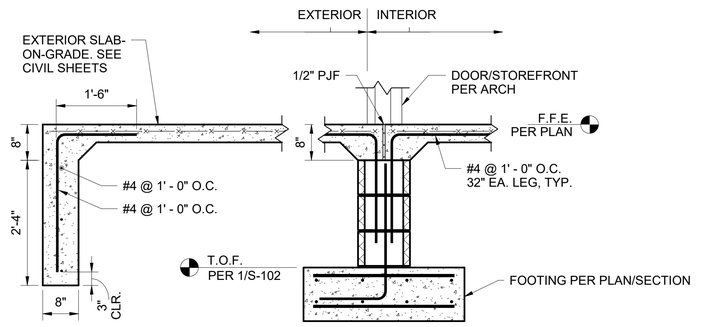
4 Typical Interior Slab-On-Grade Detail
N.T.S.

SLAB-ON-GRADE NOTES:

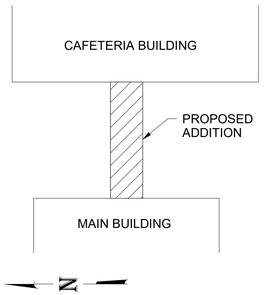
1. PROVIDE CONTROL JOINTS IN ALL SLABS-ON-GRADE IN ACCORDANCE WITH THESE NOTES AND DETAILS.
2. SUBMIT A DETAILED LAYOUT OF THE CONTROL JOINTS FOR ALL EXPOSED TO VIEW CONCRETE SLABS-ON-GRADE FOR REVIEW AND APPROVAL BY ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION.
3. LOCATE CONTROL JOINTS SO THAT PANELS BETWEEN JOINTS ARE NEARLY SQUARE BUT WITH THE LENGTH NEVER EXCEEDING TWICE THE WIDTH. JOINT SPACING SHALL NOT EXCEED 15'-0". TYPICALLY, 10'-0" AT VINYL TILE FLOORING-SEE ARCH. DRAWINGS.
4. LOCATE CONTROL JOINTS TO COINCIDE WITH JOINTS IN ARCHITECTURAL FINISHES.
5. PROVIDE STRIPABLE CONTROL JOINTS WHERE SLABS ARE EXPOSED TO VIEW. PROVIDE SAW CUT OR STRIPABLE CONTROL JOINTS IN OTHER AREAS. INSTALL SAW CUTS AS SOON AS PRACTICAL AND BEFORE THE CUTTING WOULD RESULT IN CHIPPING, SPALLING, OR TEARING BUT IN NO CASE MORE THAN 24 HOURS AFTER PLACEMENT.
6. DO NOT LOCATE CONTROL/CONSTRUCTION JOINTS BELOW MASONRY WALLS.
7. PROVIDE DOWELS AT CONSTRUCTION JOINTS. DOWELS SHALL BE 5/8"Ø X 24" LONG A36 SMOOTH BARS WITH ONE END GREASED. SPACING EQUALS 12" O.C.



5 Ramp Section
3/4" = 1'-0"



6 Typical Threshold Detail w/ Stoop
3/4" = 1'-0"



KEY PLAN

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MARK	DATE	DESCRIPTION

DATE: JUNE 05, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
C.J.C.	N.A.L.	J.L.G.

Foundation Plan

S-101

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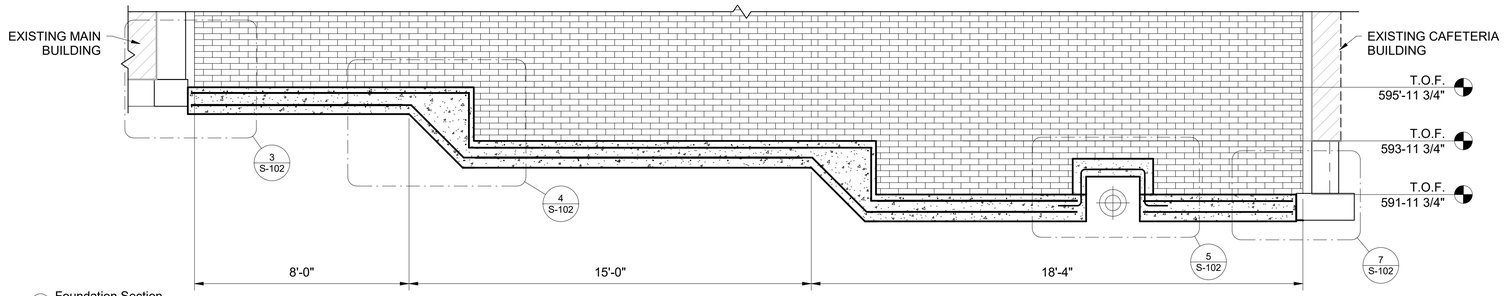
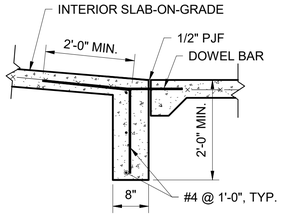


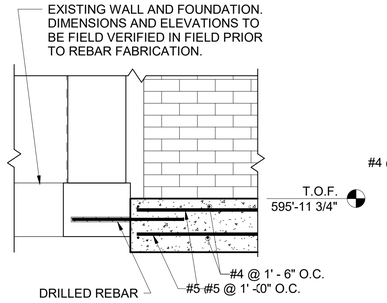
1 Foundation Section
3/8" = 1'-0"

GENERAL NOTES:

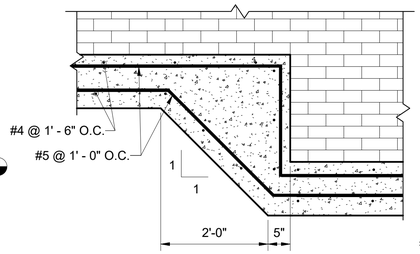
1. SEE S-001 FOR ADDITIONAL INFORMATION.
2. SEE ARCH & CIVIL FOR WEEP HOLE LOCATIONS AND DETAILS.
3. WALL DETAILS SHOWN ARE FOR STRUCTURAL REPRESENTATION ONLY, SEE ARCH SHEETS FOR SIZE, TEXTURE, COLOR, ETC.
4. EXISTING FOUNDATIONS OF ADJACENT BUILDING ARE UNKNOWN. MODIFICATIONS TO PROPOSED FOUNDATIONS MAY BE REQUIRED ONCE EXISTING FOUNDATIONS ARE KNOWN. CONTRACTOR TO INFORM ARCHITECT/ENGINEER ONCE THE EXISTING FOUNDATIONS HAVE BEEN DETERMINED.
5. EXPOSED CONCRETE ON RAMP TO HAVE TO BE INTEGRAL COLORED CONCRETE. SEE SPECIFICATIONS.



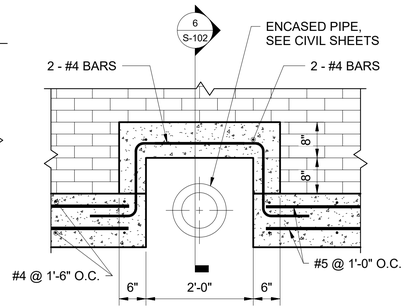
8 Foundation Detail
3/4" = 1'-0"



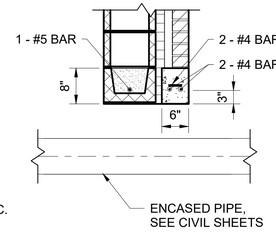
3 Foundation Detail
3/4" = 1'-0"



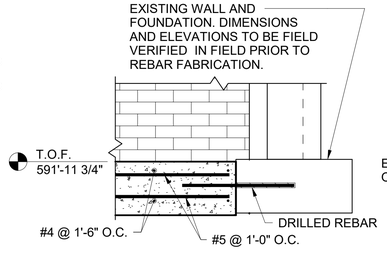
4 Foundation Detail
3/4" = 1'-0"



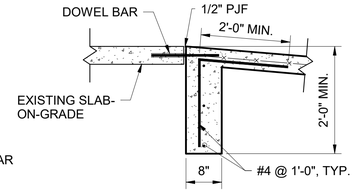
5 Foundation Detail
3/4" = 1'-0"



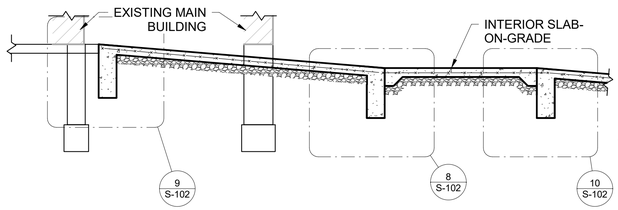
6 Foundation Detail
3/4" = 1'-0"

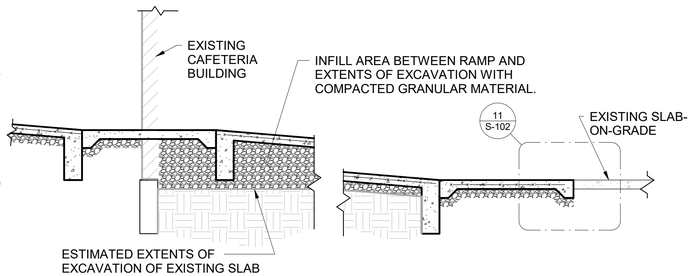


7 Foundation Detail
3/4" = 1'-0"

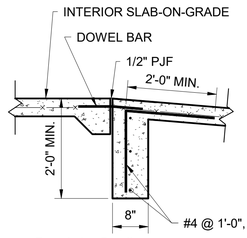


9 Foundation Detail
3/4" = 1'-0"

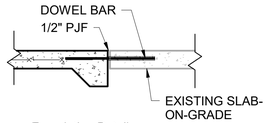




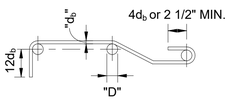
2 Foundation Section
3/8" = 1'-0"



10 Foundation Detail
3/4" = 1'-0"



11 Foundation Detail
3/4" = 1'-0"



STANDARD HOOD DETAILS FOR PRINCIPAL REINFORCEMENT

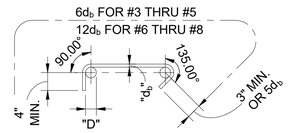
MIN. BEND DIA. (PRINCIPAL REINF.)
D = 6d_b FOR #3 THRU #8
D = 8d_b FOR #9 THRU #11
D = 10d_b FOR #14 THRU #18

MIN. BEND DIA. (STIRRUPS & TIES)

BAR	D
#3	1 1/2"
#4	2"
#5	2 1/2"
#6	4 1/2"

	SPLICE LENGTH - CLASS "B"								DEVELOPMENT LENGTH - CLASS "A"							
	3000 PSI CONC. f'c		4000 PSI CONC. f'c		5000 PSI CONC. f'c		6000 PSI CONC. f'c		3000 PSI CONC. f'c		4000 PSI CONC. f'c		5000 PSI CONC. f'c		6000 PSI CONC. f'c	
BAR SIZE	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	29	22	24	18	22	17	20	15	22	17	21	15	17	13	15	12
#4	38	29	32	25	29	22	26	20	30	22	26	19	22	17	20	15
#5	48	36	40	31	36	28	33	25	37	27	32	24	28	22	25	19
#6	58	43	48	37	43	33	39	30	44	33	38	29	33	26	30	23
#7	81	62	70	54	63	49	57	44	62	48	54	42	49	37	44	34
#8	93	71	80	62	72	55	65	50	71	55	62	48	55	43	50	39
#9	105	80	90	70	81	63	74	57	80	62	70	54	63	48	57	44
#10	118	91	102	78	91	70	83	64	90	70	78	60	70	54	64	49
#11	131	100	114	87	101	78	92	71	100	77	87	67	78	60	71	55

12 Typ. Reinforcing Details & Tension Lap Splice Schedule
3/4" = 1'-0"



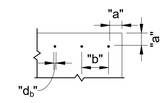
STANDARD HOOD DETAILS FOR STIRRUPS & TIES

NOTES:

1. ALL SPLICES SHALL BE TENSION LAP SPLICES U.N.O.
2. LENGTHS SHOWN ARE FOR GRADE 60 UNCOATED BARS. INCREASE LENGTHS 25% FOR FY=75KSI.
3. LENGTHS SHOWN ARE IN INCHES.
4. INCREASE LENGTHS 30% FOR LIGHT WEIGHT CONCRETE, AT TOP BARS AND AT FOUR BAR BUNDLES (WHERE 2 BARS LAP WITH 2 OTHER BARS) INDIVIDUAL BARS WITHIN A BUNDLE SHALL NOT OVERLAP.
5. TOP BARS - HORIZONTAL BARS PLACED WITH MORE THAT 12" OF FRESH CONCRETE CAST BELOW THEM.
6. INCREASE LENGTHS 50% WHERE a<d_b OR WHERE b<d_b FOR BEAMS AND COMUMNS OR WERHE b<2d_b FOR OTHER ELEMENTS.
7. FOR #14 AND #18 BARS, USE MECHANICAL SPLICE IN ACCORDANCE WITH IBC REQUIREMENTS.

SPLICE LENGTHS FOR BARS PLACED AS FOLLOW CATEGORY:

CATEGORY	
I	II
a<d_b: any b	a>d_b: b>3d_b
a>d_b: b<3d_b	
TOP BARS	



WHERE:
"a" IS THE CLEAR COVER
"b" IS THE CLEAR SPACING
"d_b" IS THE BAR DIA.

OFFSET & SPLICE

HOOK BAR EMBED LENGTH "L_{dh}"			
BAR SIZE	4000 PSI CONC. f'c	5000 PSI CONC. f'c	6000 PSI CONC. f'c
#3	8	7	6
#4	10	9	8
#5	12	11	10
#6	15	13	12
#7	17	15	14
#8	19	17	16
#9	22	20	18
#10	25	22	20
#11	27	24	22

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MARK	DATE	DESCRIPTION

DATE: JUNE 05, 2018
PROJECT NO: 150-0738
DESIGN: C.J.C. | DRAWN: N.A.L. | CHECK: J.L.G.

Foundation Details

S-102

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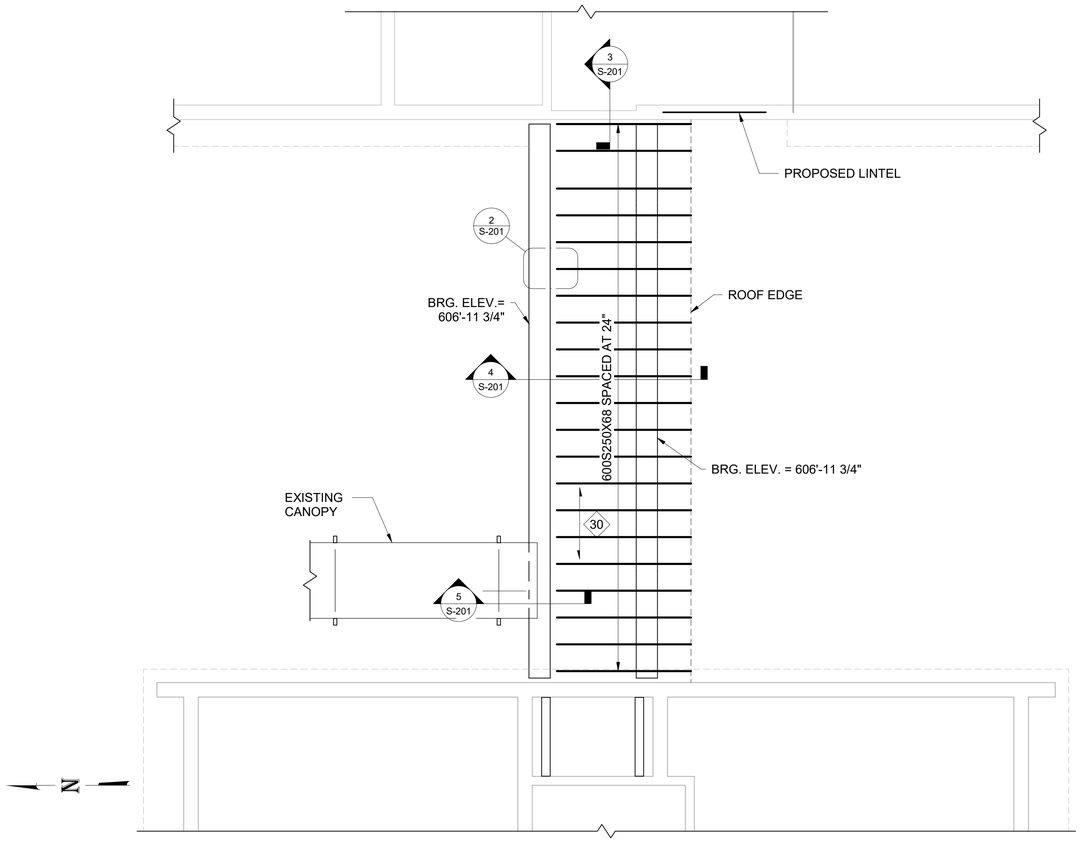
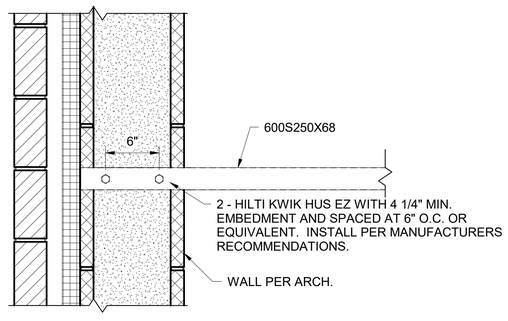
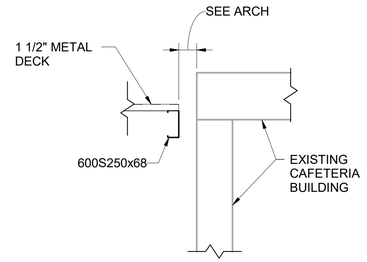


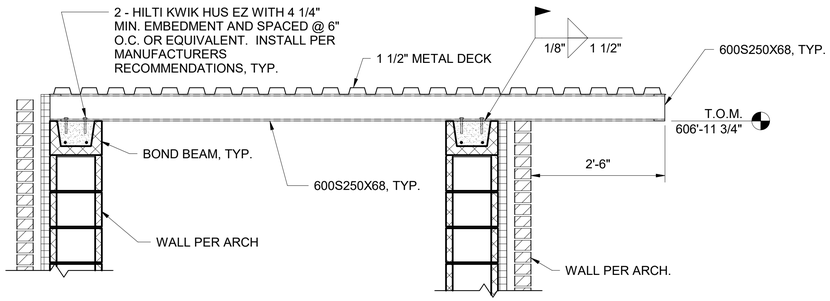
1 Framing Plan
3/16" = 1'-0"



2 Framing Detail
1 1/2" = 1'-0"



3 Framing Section
3/4" = 1'-0"



4 Framing Section
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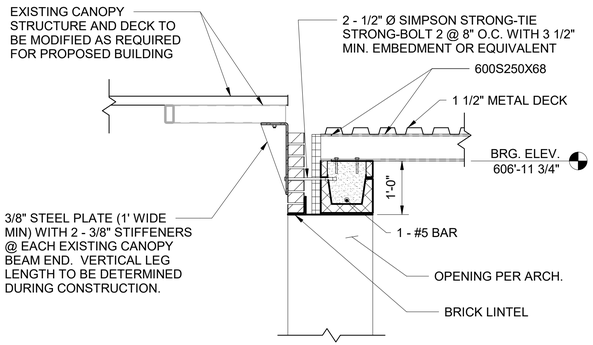
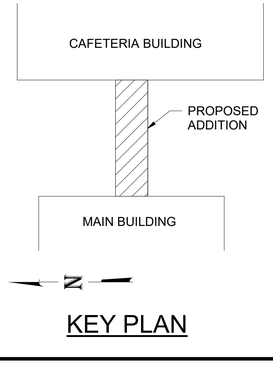


5 Framing Section
3/4" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR ADDITIONAL INFORMATION.
2. WALL/ROOF DETAILS SHOWN ARE FOR STRUCTURAL REPRESENTATION ONLY, SEE ARCH SHEETS FOR SIZE, TEXTURE, COLOR, ETC.

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
30	1 1/2" - 18 GAUGE METAL ROOF DECK



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DATE: JUNE 05, 2018
PROJECT NO: 150-0738

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C.J.C.	N.A.L.	J.L.G.

Framing Plan and Details

S-201

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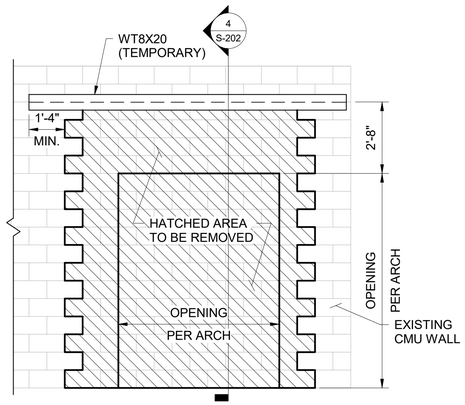
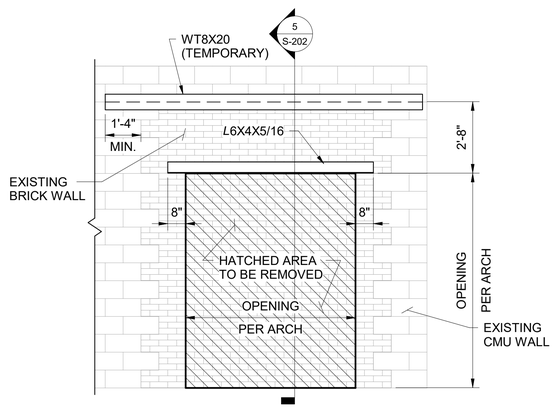
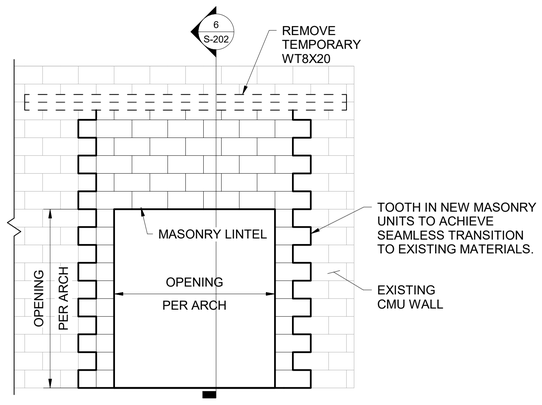


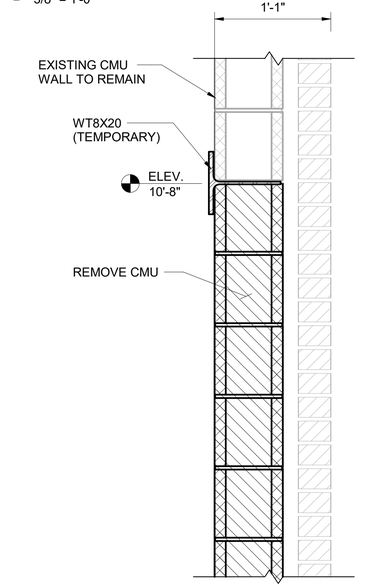
1 CMU Wall Demo Elevation - Jr. High Cafeteria (Part 1)
3/8" = 1'-0"



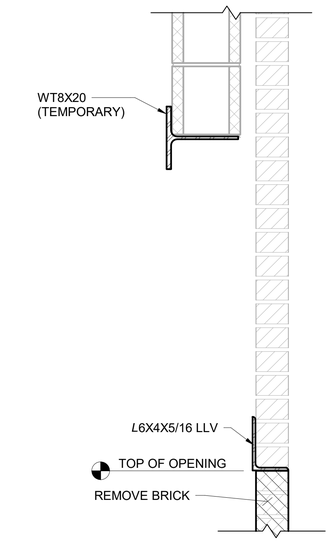
2 Brick Wall Demo Elevation - Jr. High Cafeteria (Part 2)
3/8" = 1'-0"



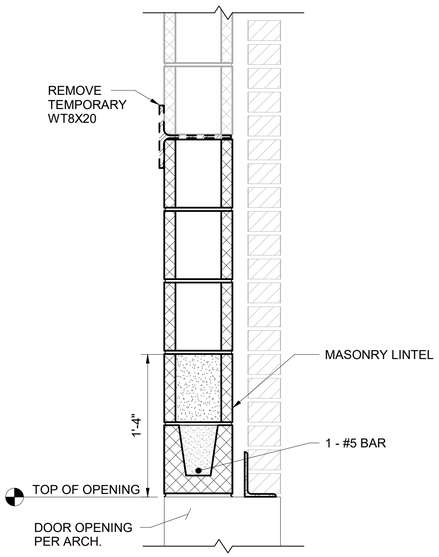
3 CMU/Brick Wall Renovation Elevation - Jr. High Cafeteria
3/8" = 1'-0"



4 CMU Wall Demo Detail - Jr. High Cafeteria (Part 1)
1 1/2" = 1'-0"



5 Brick Wall Demo Detail - Jr. High Cafeteria (Part 2)
1 1/2" = 1'-0"



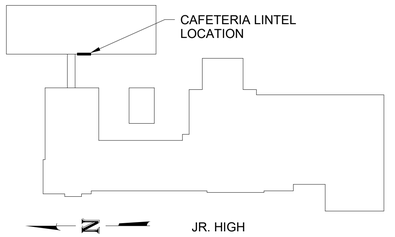
6 CMU/Brick Wall Renovation Detail - Jr. High Cafeteria
1 1/2" = 1'-0"

SUGGESTED SEQUENCE OF CONSTRUCTION (JR. HIGH CAFETERIA):

1. VERIFY ALL DIMENSIONS AND ELEVATIONS.
2. SEE A SHEETS FOR WORK TO CEILING(S).
3. INSTALL STEEL ANGLES FOR 8" CMU.
4. REMOVE PORTION OF 8" CMU AS INDICATED.
5. INSTALL STEEL ANGLE FOR 4" BRICK.
6. REMOVE PORTION OF 4" BRICK AS INDICATED.
7. CONSTRUCT NEW 8" CMU WALL SECTIONS.
8. REMOVE PREVIOUSLY INSTALLED STEEL ANGLE SUPPORTING EXISTING 8" CMU WHEN NEW CMU LINTEL HAS CURED AND FILL JOINT WITH MORTAR.

GENERAL NOTES:

1. STATED ELEVATIONS FOR LINTELS ARE AN APPROXIMATION AND SHALL BE PLACED NEAR THE CLOSEST GROUT LINE.



KEY PLAN

HURST-ROSCHE, INC.
PROFESSIONAL DESIGN NUMBER: 184-000298

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NASHVILLE, TN

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-007200
HILLSBORO ILLINOIS
STATE OF ILLINOIS

SIGNATURE
JUNE 05, 2018
DATE
11-30-2018
LICENSE EXPIRES

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 05, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
C.J.C.	N.A.L.	J.L.G.

Jr. High Lintel Details

S-202

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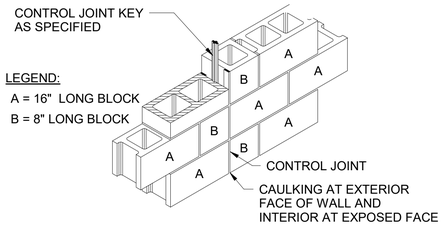


NOTES TO BOND BEAM REINFORCING SCHEDULE:

1. FIGURE ABOVE IS APPLICABLE TO THE CONSTRUCTION OF ALL CONTROL JOINTS IN 12" BLOCK WALLS.
2. SEE ARCH SHEETS FOR LOCATIONS OF CONTROL JOINTS.

1 Basic Control Jt. for Single WYTHE CMU Masonry Walls
N.T.S.

BOND BEAM REINFORCING SCHEDULE	
LOCATION	REINFORCING
STANDARD	2 - #5 CONTINUOUS

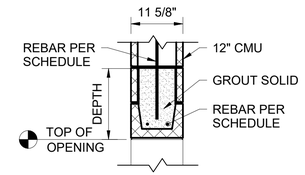
NOTES TO BOND BEAM REINFORCING SCHEDULE:

1. PROVIDE BOND BEAMS IN ALL CMU WALLS AT THE FOLLOWING LOCATIONS U.N.O.:
   A. AT BEARING LOCATIONS.
   B. AT THE BOTTOM OF WALL OPENINGS EXTENDING 2 FEET (MIN.) PAST OPENING EACH SIDE.

REINFORCED MASONRY LINTEL SCHEDULE						
LINTEL	MAX. CLEAR SPAN	DEPTH	REINFORCING	SHEAR REINF.	MIN. BRG.	RE. DETAIL
L-1	5'-0"	16"	1 - #5 BAR	-	8"	2/S-301

NOTES TO REINFORCED MASONRY LINTEL SCHEDULE:

1. EXTEND REINFORCING 24" EACH SIDE OF OPENING (MINIMUM). WHERE SPACE IS NOT AVAILABLE DUE TO CORNERS, ETC., PROVIDE 18" HOOK UPWARD INTO CELL ADJACENT TO OPENINGS.
2. ALL CELLS SHALL BE FULLY GROUTED.
3. CONTROL JOINTS ARE NOT NECESSARY. IF USED, HORIZONTAL REINFORCEMENT SHALL PASS THRU JOINT.
4. WHERE LINTEL MARK IS NOT PROVIDED, PROVIDE LINTEL PER MAX CLEAR SPAN LISTED IN TABLE.



2 Lintel Section
3/4" = 1'-0"

STEEL LINTEL SCHEDULE			
MAX. MASONRY OPENING	VENEER	MIN. BRG.	REMARKS
5'-0"	1 - *L*4x4x5/16	8"	SEE NOTES 1-4 (TYP)
6'-0"	1 - *L*5x4x5/16	8"	
8'-0"	1 - *L*6x4x5/16	8"	
10'-0"	1 - *L*6x4x5/16	8"	
12'-0"	1 - *L*7x4x3/8	8"	

NOTES TO STEEL LINTEL SCHEDULE:

1. THIS SCHEDULE APPLIES WHEN THE LINTEL OCCURS IN A NON-LOAD BEARING WALL OR WHEN DISTANCE TO STRUCTURAL BEARING ABOVE HEAD OF OPENING EXCEEDS 1/2 OF THE OPENING WIDTH.
2. INSTALL LINTELS LONG LEG VERTICAL.
3. DIMENSION OF VERTICAL LEG IS MIN., VERTICAL LEG MAY BE LONGER AT CONTRACTOR'S OPTION.
4. WHERE LINTELS OCCUR IN EXTERIOR WALLS, MIN. THICKNESS SHALL BE 5/16" AND LINTEL SHALL BE HOT DIP GALVANIZED.

MASONRY REINFORCING SCHEDULE (U.N.O.)		
MASONRY	VERTICAL	HORIZONTAL
12" CMU	#6 @ 24" O.C.	EXTRA HEAVY LADDER JOINT REINF. @ 8" O.C.
4" VENEER	NA	1 - W1.7 (9 GA.) WIRE @ 16" O.C.

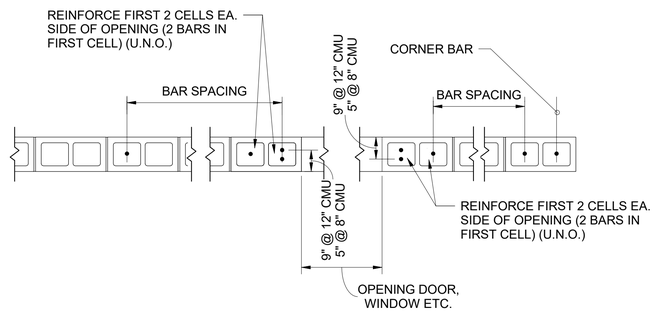
NOTES TO REINFORCED MASONRY REINFORCING SCHEDULE:

1. STANDARD LADDER JOINT REINFORCEMENT TO HAVE 2-9 GAUGE SIDE RODS AND 9 GAUGE CROSS RODS @ 8" O.C.
2. EXTRA HEAVY LADDER JOINT REINFORCEMENT TO HAVE A MINIMUM CROSS SECTIONAL AREA = .066 IN^2
3. CENTER ALL VERTICAL WALL REINFORCEMENT IN VOIDS.
4. PROVIDE VERTICAL REINFORCEMENT IN INTERIOR NON-LOAD BEARING PARTITION WALLS AS FOLLOWS:

   8" CMU----------#4@48"

6. REINFORCED MASONRY:

A. ALL WORK SHALL CONFORM TO RECOMMENDATIONS OF ACI 530 AND NCMA.
B. MASONRY ASSEMBLY STRENGTH SHALL BE 2,000 PSI:
   - f'_{CMU} SHALL BE 2,000 PSI OR GREATER
   - f'_G SHALL BE 2,500 PSI OR GREATER
   - MORTAR TYPE SHALL BE TYPE S
C. REINFORCED MASONRY SHALL INCLUDE CMU.
D. SUBMIT REINFORCED MASONRY SHOP DRAWINGS FOR APPROVAL FOR ALL REINFORCED MASONRY. INCLUDE PLAN VIEW, ELEVATION VIEW, AND SECTION VIEW OF ALL REINFORCED MASONRY WALLS THAT ARE SHOWN ON THE STRUCTURAL DRAWINGS. INCLUDE LAYOUT OF ALL REINFORCEMENT ON SECTIONS AND ELEVATIONS.
E. TIE BARS FROM CAST-IN-PLACE CONCRETE SHALL MATCH THE VERTICAL REINFORCEMENT IN THE WALL ABOVE UNLESS NOTED OTHERWISE. SUCH TIE BARS SHALL BE FURNISHED BY THE CONCRETE CONTRACTOR.
F. REINFORCING ENTIRELY WITHIN THE MASONRY SHALL BE FURNISHED BY THE MASONRY CONTRACTOR.
G. WHEN A FOUNDATION TIE DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. TIES MAY BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCING, AS LONG AS THE CENTER-TO-CENTER SPACE BETWEEN THE WALL REINFORCING AND THE TIE DOES NOT EXCEED 5".
H. REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4 OF AN INCH FROM THE MASONRY AND 1 INCH TO ADJACENT BARS AND NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS SPLICED.
I. REINFORCING STEEL SHALL BE SECURELY IN PLACE AND INSPECTED BEFORE GROUTING STARTS.
J. GROUTING SHALL BE STOPPED 1 1/2" BELOW THE TOP OF A COURSE AND 1/2" BELOW THE TOP OF A BOND BEAM, SO AS TO FORM A KEY AT THE POUR JOIST.
K. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
L. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF DOOR AND WINDOW OPENINGS FOR SPECIAL COURSING AND OTHER MASONRY DETAILS. THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS IS INTENDED TO DEFINE THE STRUCURAL REQUIREMENT ONLY.
M. ALL MASONRY WALLS TO BE REINFORCE HORIZONTALLY AND VERTICALLY IN ACCORDANCE WITH DRAWINGS AND SCHEDULE.
N. ALL REINFORCED CELLS SHALL BE GROUTED FULL.
O. ALL WALL OPENINGS SHALL BE REINFORCED WITH A MINIMUM OF 1-#5 BAR ON ALL SIDES OF OPENING. REINFORCEMENT SHALL RUN CONTINUOUS FROM FLOOR TO TOP SUPPORT IN GROUTED CELLS. HORIZONTAL TOP AND BOTTOM BARS SHALL RUN CONTINUOUS ACROSS OPENING EXTENDING 2'-0" MIN. EACH SIDE IN A FULLY GROUTED BOND BEAM OR LINTEL BLOCK.
P. ALL INTERIOR WALLS TO BE BONDED BY TOOTHING OR KEYING INTERSECTING WALLS.
Q. EACH WALL END SHALL BE VERTICALLY REINFORCED WITH MINIMUM OF ONE VERTICAL BAR MATCHING THE REINFORCEMENT SIZE AS GIVEN IN THE MASONRY REINFORCEMENT SCHEDULE. REINFORCEMENT SHALL RUN CONTINUOUS THROUGH FULL WALL HEIGHT.
R. MASONRY VENEER ANCHORING - ATTACH VENEER TO BACKUP MASONRY WITH APPROVED ANCHOR. PROVIDE A MINIMUM OF ONE ANCHOR FOR EVERY 2.00 SQ. FT. OF WALL WITH A 25" MAXIMUM VERTICAL SPACING AND A 32" MAXIMUM HORIZONTAL SPACING DESIGNED TO RESIST THE LOAD OF 40 PSF.
S. VERTICAL REINFORCEMENT TO BE CONTINUOUS THRU BOND BEAMS.



AT OPENINGS

3 Typical Reinforced Masonry Wall Details
3/4" = 1'-0"

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ARNOLD, MO
NEOSHO, MO
NASHVILLE, TN

LICENSED STRUCTURAL ENGINEER
CHASE J. CONNOR
081-007200
HILLSBORO
ILLINOIS
STATE OF ILLINOIS

SIGNATURE JUNE 05, 2018
DATE 11-30-2018
LICENSE EXPIRES

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 05, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
C.J.C.	N.A.L.	J.L.G.

Masonry Details

S-301

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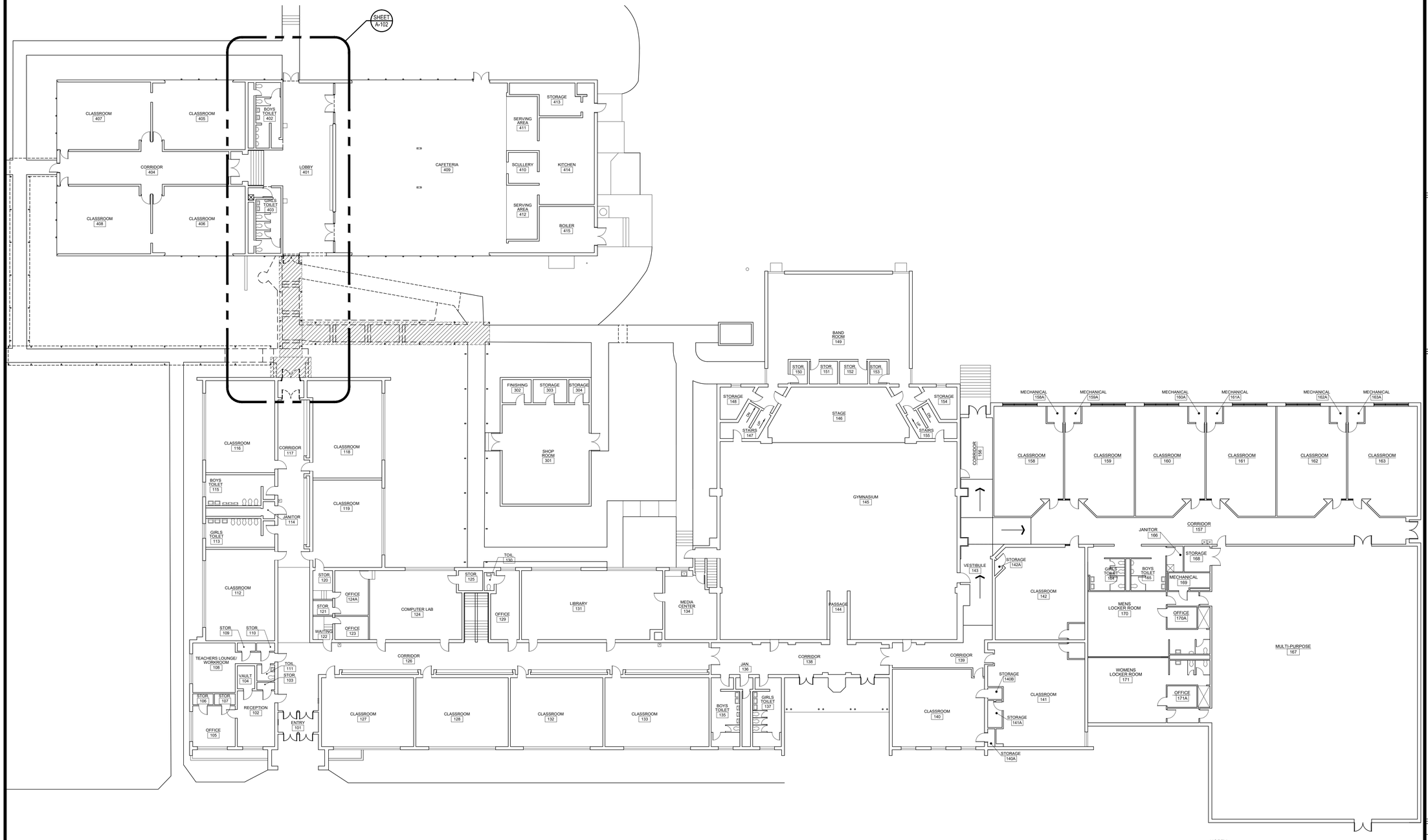

NORTH

JHS FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"

Hurst-Rosche, Inc.
PROFESSIONAL DESIGN NUMBER: 184-000298

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LICENSED ARCHITECT
TIMOTHY L DOWNEN
001.021928
STATE OF ILLINOIS

SIGNATURE
06-04-2018
DATE
11-30-2018
LICENSE EXPIRES

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
TLD	ATH	---

JUNIOR HIGH
OVERALL FLOOR PLAN

A-101

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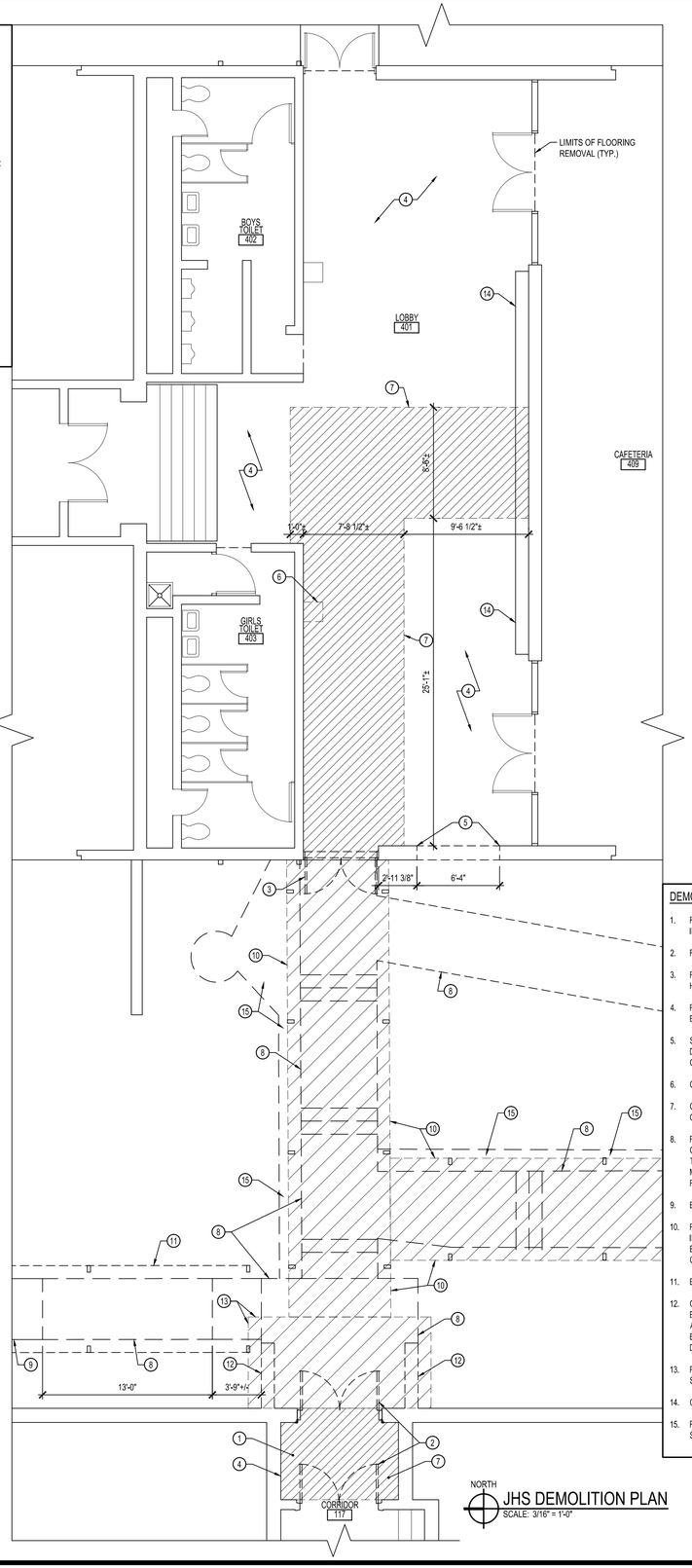
GENERAL NOTES:

1. PLAN DIMENSIONS ARE TO FACE OF FINISH, UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS - USE DIMENSIONS.
2. SEE A-103 FOR REFLECTED CEILING PLAN.
3. SEE A-104 FOR ROOF PLAN.
4. FIELD VERIFY ALL DIMENSIONS RELATED TO DOOR FRAME SIZES PRIOR TO SUBMITTING SHOP DRAWINGS. VERIFY LOCATION OF EXISTING HORIZONTAL MORTAR JOINTS AND SIZE FRAMES ACCORDINGLY. SAWCUT DIMENSIONS INDICATED ON PLAN ARE TO EXISTING VERTICAL MORTAR JOINTS - VERIFY AS NECESSARY.
5. UNLESS OTHERWISE NOTED OR DIMENSIONED, ALL DOORS SHALL BE INSTALLED WITH A MINIMUM OF 12" CLEAR SPACE FROM EDGE OF DOOR TO NEAREST WALL OR OBSTRUCTION ON PUSH SIDE OF DOOR AND WITH A MINIMUM OF 18" CLEAR SPACE FROM EDGE OF DOOR TO NEAREST WALL OR OBSTRUCTION ON PULL SIDE OF DOOR.
6. ALL CAST IN PLACE CONCRETE RAMP AND WALL SURFACE SHALL BE INTEGRALLY COLORED CONCRETE. SEE SPECIFICATION SECTION 03 30 00 FOR ADDITIONAL INFORMATION.
7. SEE SPECIFICATION SECTION 09 51 13 FOR ADDITIONAL INFORMATION ON ACOUSTICAL PANEL CEILINGS.
8. SEE SPECIFICATION SECTION 09 65 00 FOR ADDITIONAL INFORMATION ON VINYL COMPOSITION TILE AND RUBBER BASE.
9. SEE A-401 FOR WINDOW / DOOR ELEVATIONS AND DETAILS.



KEYED NOTES: (X)

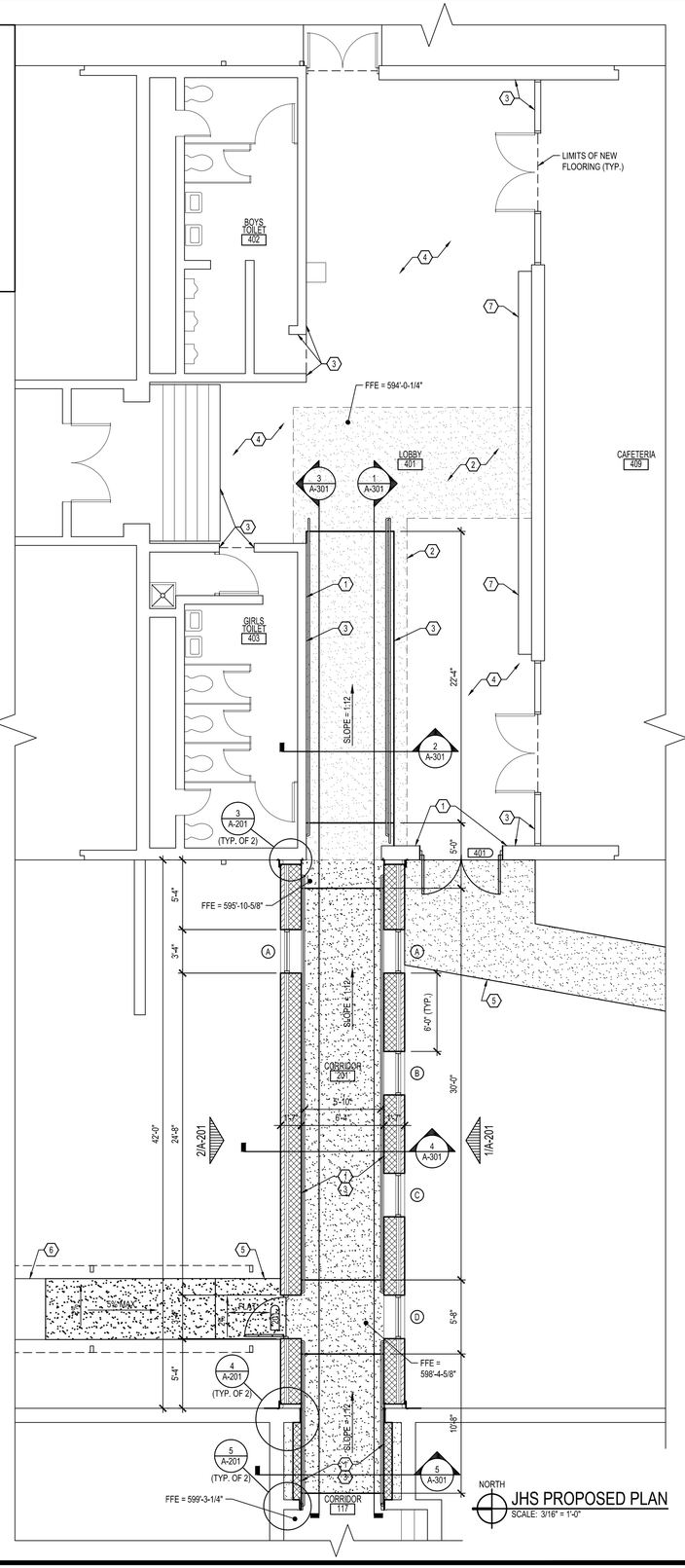
1. PAINT WALL FROM FLOOR TO CEILING AND CORNER TO CORNER.
2. INSTALL 4" REINFORCED CONCRETE SLAB OVER VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL. PROVIDE 1/2" EXPANSION JOINT BETWEEN CONCRETE SLAB AND EXISTING CONCRETE SLAB AND ALL OTHER VERTICAL SURFACES. DOWEL NEW CONCRETE INTO EXISTING WITH 18" LONG, #4 BARS @ 18" O.C.
3. INSTALL 6" VINYL BASE AT ENTIRE PERIMETER.
4. PROVIDE AND INSTALL VCT FLOORING AS SPECIFIED.
5. INSTALL 4" REINFORCED CONCRETE SIDEWALK OVER 4" COMPACTED GRANULAR FILL. PROVIDE 1/2" EXPANSION JOINT BETWEEN CONCRETE SLAB AND EXISTING CONCRETE SLAB AND ALL OTHER VERTICAL SURFACES. DOWEL NEW CONCRETE INTO EXISTING WITH 18" LONG, #4 BARS @ 18" O.C. SEE S-SHEETS FOR INFORMATION ON STRUCTURAL STOOPS AND FOOTINGS.
6. EXISTING CONCRETE SIDEWALK.
7. REINSTALL SALVAGED LOCKERS AFTER SLAB AND FLOORING WORK.

DEMOLITION NOTES: (X)

1. REMOVE AND LEGALLY DISPOSE OF EXISTING 24"x24" SUSPENDED CEILING, INCLUDING SUSPENSION SYSTEM AND ALL RELATED ACCESSORIES.
2. REMOVE EXISTING DOOR/FRAME. RETURN ALL NON-HINGE HARDWARE TO OWNER.
3. REMOVE EXISTING ALUMINUM DOORS, FRAMES, AND RELATED GLAZING AND HARDWARE. RETURN ALL COMPONENTS TO OWNER.
4. REMOVE AND LEGALLY DISPOSE OF EXISTING VCT AND RUBBER BASE FROM ENTIRE PERIMETER OF THIS AREA.
5. SAWCUT EXISTING MASONRY WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR. SALVAGE EXISTING BRICK AS NECESSARY FOR TOOTHED BRICK AT OPENING.
6. OWNER TO REMOVE EXISTING DRINKING FOUNTAIN.
7. CAREFULLY SAWCUT (FULL DEPTH) AND REMOVE EXISTING CONCRETE SLAB AND GRANULAR BASE MATERIAL.
8. REMOVE AND LEGALLY DISPOSE OF EXISTING CONCRETE SIDEWALK AND GRANULAR BASE MATERIAL. PROVIDE FULL DEPTH SAWCUT AGAINST SIDEWALKS TO REMAIN. REMOVE AND LEGALLY DISPOSE OF ALL STEEL HAND/GUARD RAILS MOUNTED IN CONCRETE SIDEWALK. SEE C-101 FOR ADDITIONAL DEMOLITION REQUIRED.
9. EXISTING CONCRETE SIDEWALK TO REMAIN.
10. REMOVE EXISTING CANOPY COLUMNS, BEAMS AND SHEET METAL ROOFING, INCLUDING CONCRETE FOUNDATIONS. RETURN ALL MATERIALS TO OWNER. SEE E-SHEETS FOR ELECTRICAL WORK. SALVAGE ENOUGH EXISTING DECKING TO COMPLETE WORK IDENTIFIED ON A-103.
11. EXISTING CANOPY TO REMAIN - SEE A-103 FOR REQUIRED WORK.
12. CAREFULLY REMOVE EXISTING MASONRY WALLS, INCLUDING FOUNDATIONS BELOW GRADE. SALVAGE EXISTING BRICK FOR INSTALLATION INTO EXISTING ADJACENT WALLS AS REQUIRED BY WALL DEMOLITION AND INSTALLATION INTO EXISTING WALL ABOVE AS REQUIRED BY CANOPY, STRUCTURE, AND ROOFING DEMOLITION.
13. REMOVE AND LEGALLY DISPOSE OF EXISTING CANOPY, INCLUDING STRUCTURE, SOFFIT, FASCIA, GUTTERS, DOWNSPOUT, DECKING, ROOFING, AND FLASHING.
14. CAREFULLY REMOVE EXISTING LOCKERS AND SALVAGE FOR REINSTALLATION.
15. REMOVE AND LEGALLY DISPOSE OF EXISTING CONCRETE DRAINAGE STRUCTURE - SEE C-SHEETS FOR ADDITIONAL INFORMATION.

NORTH

JHS DEMOLITION PLAN
SCALE: 3/16" = 1'-0"



NORTH

JHS PROPOSED PLAN
SCALE: 3/16" = 1'-0"

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LICENSED ARCHITECT
TIMOTHY L DOWNEN
001.021928
STATE OF ILLINOIS

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REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
TLD	ATH	—

JUNIOR HIGH ADDITION
AREA PLANS

A-102

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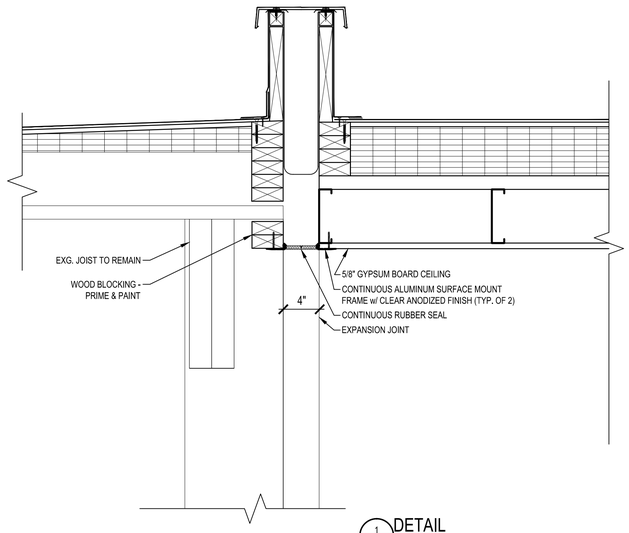
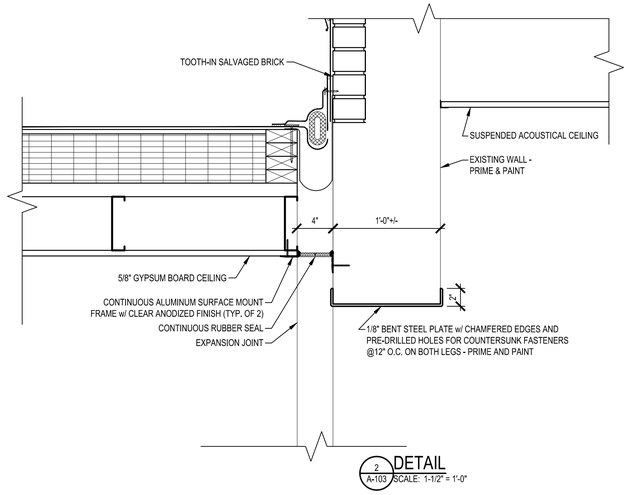
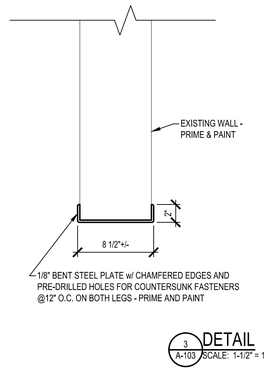


1 A-103 DETAIL
SCALE: 1-1/2" = 1'-0"



2 A-103 DETAIL
SCALE: 1-1/2" = 1'-0"



3 A-103 DETAIL
SCALE: 1-1/2" = 1'-0"

KEYED NOTES: (X)

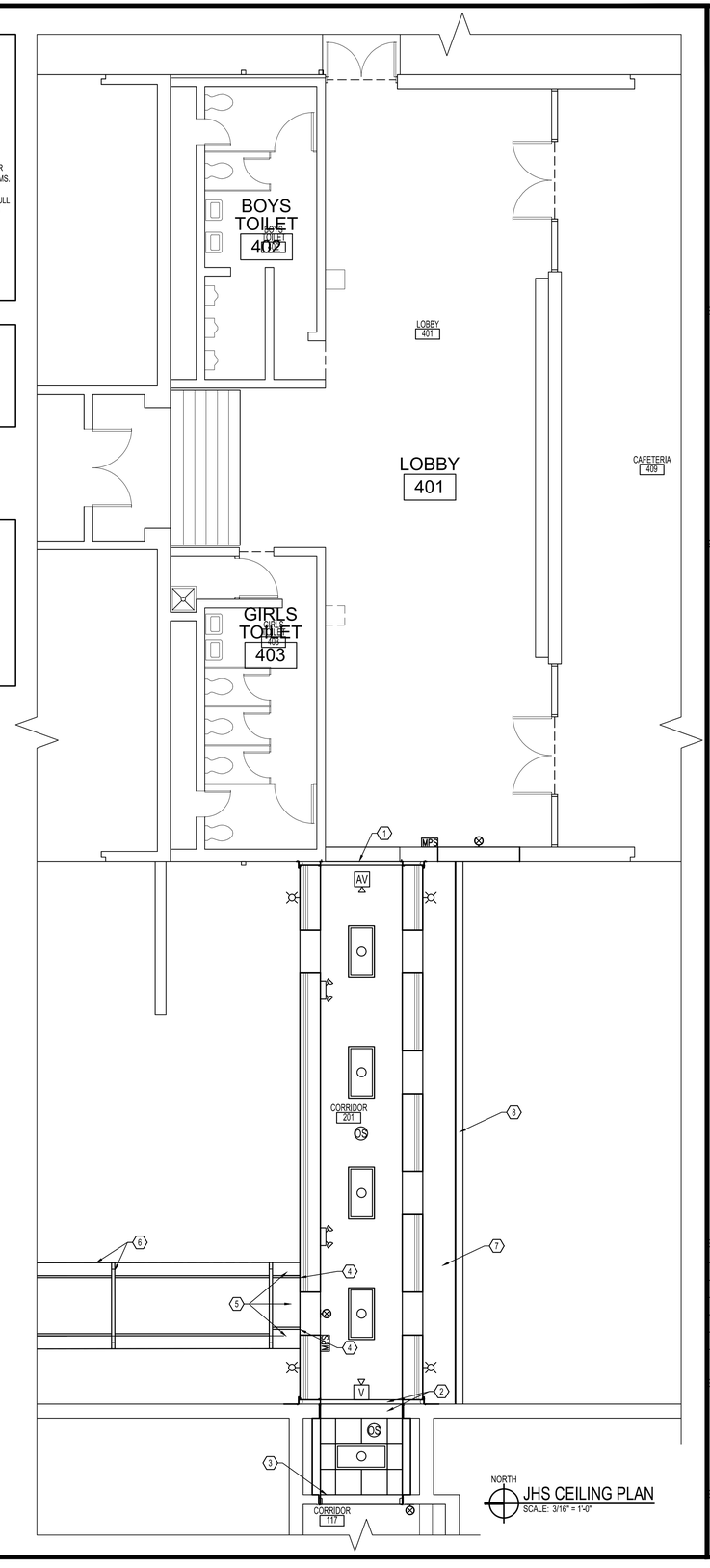
1. CEILING EXPANSION JOINT - SEE DETAIL 1/A-103.
2. STEEL PLATE WITH CEILING EXPANSION JOINT - SEE DETAIL 2/A-103.
3. STEEL PLATE - SEE DETAIL 3/A-103.
4. CAREFULLY CUT, REMOVE AND LEGALLY DISPOSE OF APPROXIMATELY 14" OF STEEL CANOPY BEAMS TO ALLOW FOR INSTALLATION OF NEW ADDITION. CAP ENDS OF STEEL BEAMS WITH WELDED STEEL PLATES. PREP, PRIME AND PAINT NEW CAPS AND EXISTING BEAMS BACK TO CLOSEST ADJACENT PERPENDICULAR BEAM. SEE S-SHEETS FOR REQUIRED SEPARATION AND SUPPORT OF NEW BEAMS.
5. CAREFULLY REMOVE AND LEGALLY DISPOSE OF NOTCHED DECKING. INSTALL FULL WIDTH SALVAGED DECKING. PREP, PRIME AND PAINT EXISTING AND SALVAGED DECKING BACK TO CLOSEST ADJACENT PERPENDICULAR BEAM.
6. EXISTING DECKING AND BEAMS TO REMAIN.
7. PAINTED MARINE GRADE PLYWOOD SOFFIT - SEE A-104.
8. GALVALUME GUTTER - SEE A-104.

GENERAL NOTES:

1. SEE A-102 FOR FLOOR PLAN.
2. SEE A-104 FOR ROOF PLAN.
3. SEE MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION ON LIGHT FIXTURES, DIFFUSER, ETC.

LEGEND:

- 2X4 LIGHT FIXTURE - SEE E-SHEETS
- EXTERIOR MOUNTED LIGHT FIXTURE - SEE E-SHEETS
- EXIT LIGHT - SEE E-SHEETS
- OCCUPANCY SENSOR - SEE E-SHEETS
- EMERGENCY LIGHT - SEE E-SHEETS



NORTH
JHS CEILING PLAN
SCALE: 3/16" = 1'-0"

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NEOSHO, MO
NASHVILLE, TN

LICENSED ARCHITECT
TIMOTHY L DOWNEN
001.021928
STATE OF ILLINOIS

SIGNATURE
DATE 06-04-2018
LICENSE EXPIRES 11-30-2018

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
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JUNIOR HIGH ADDITION
REFLECTED CEILING
AND RELATED DETAILS

A-103

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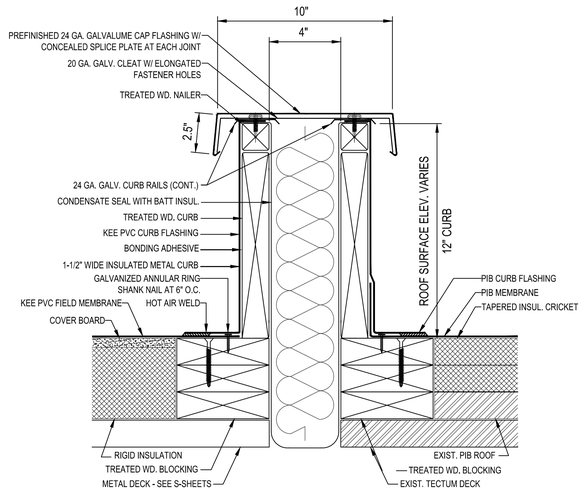
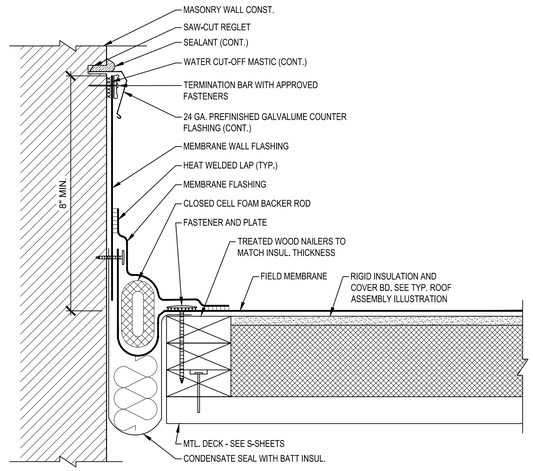
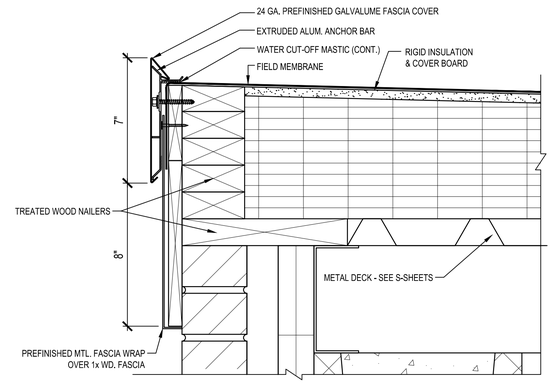


1 A-104 ROOF TO ROOF RAISED EXPANSION JOINT
SCALE: 3" = 1'-0"



2 A-104 ROOF TO WALL EXPANSION JOINT
SCALE: 3" = 1'-0"



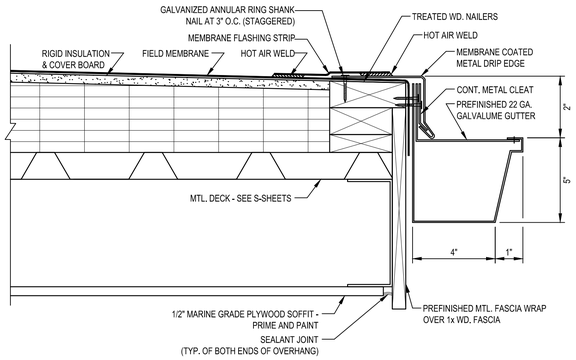
3 A-104 ROOF EDGE DETAIL
SCALE: 3" = 1'-0"

GENERAL NOTES:

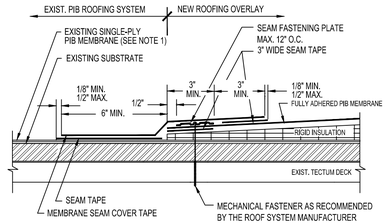
1. PRIOR TO ANY ALTERATION, ADDITION, TIE-IN, CONSTRUCTION OR REPAIRS ON OR TO ANY EXISTING ROOFING MATERIALS TO REMAIN, THE CONTRACTOR SHALL CERTIFY APPROVAL OF APPLICATOR AND MAINTAIN ANY PREEXISTING MANUFACTURERS WARRANTY IN THE FORM OF AN AFFIDAVIT WRITTEN AND SUBMITTED BY THE ROOF SYSTEM MANUFACTURER.
   A. NEW MEMBRANE OVERLAY, FLASHING AND REPAIRS TO EXISTING PIB ROOFING SHALL MEET ALL TREMCO REQUIREMENTS TO MAINTAIN EXISTING ROOF SYSTEM WARRANTY. PROVIDE AND INSTALL ALL MATERIALS INCLUDING MEMBRANE, FASTENERS, ADHESIVES, TAPE, SEALANT AND PRIMER/SOLVENT MATERIALS AS RECOMMENDED BY THE TREMCO.
2. PERFORM WORK IN ACCORDANCE WITH NRCA ROOFING AND WATERPROOFING MANUAL, LATEST EDITION.
3. ALL EXISTING FINISHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL IN MATERIAL AND APPEARANCE TO THAT WHICH EXISTED BEFORE CONSTRUCTION BEGAN.
4. ALL REFUSE AND DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL EXISTING ROOF OR FASCIA MOUNTED EQUIPMENT OR ACCESSORIES AS NECESSARY TO COMPLETE THE WORK. FIELD VERIFY SIZE, QUANTITY, AND LOCATION OF ALL ROOF PENETRATIONS, EQUIPMENT AND ACCESSORIES. NOTIFY THE OWNER AND COORDINATE ANY INTERRUPTION IN EQUIPMENT SERVICE PRIOR TO REMOVAL.
6. ONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER, ARCHITECT/ENGINEER, AND OTHER TRADES THROUGHOUT THE PROJECT.

KEYED NOTES: (X)

1. FULLY ADHERED, FLEECE-BACKED PVC KEE ROOF SYSTEM OVER 1/4" PER FOOT TAPERED RIGID INSULATION (3.5 INCH STARTING THICKNESS); PROVIDE ALL FLASHINGS, FASTENERS, ADHESIVES, AND ACCESSORIES AS RECOMMENDED AND APPROVED BY THE ROOF SYSTEM MANUFACTURER (RE: SPEC SECTION 07 54 16).
2. INSTALL 1/2" FT. TAPERED RIGID INSULATION CRICKET AND NEW FULLY ADHERED PIB MEMBRANE AND FLASHING AS SHOWN OVER EXISTING PIB ROOFING (APPROX 80 SF).
3. PREFINISHED METAL ROOF EDGE. SEE DETAIL 3/A-104.
4. PREFINISHED METAL GUTTER AND MEMBRANE COATED METAL DRIP EDGE. SEE DETAIL 4/A1-104.
5. ROOF-TO-WALL EXPANSION JOINT, WALL FLASHING AND COUNTER FLASHING. SEE DETAIL 2/A-104.
6. 3"x4" PREFINISHED 24 GA. GALVALUME DOWNSPOUT. PROVIDE ALL ELBOWS, ANCHORS, BRACKETS AND ACCESSORIES NECESSARY FOR PROPER INSTALLATION.

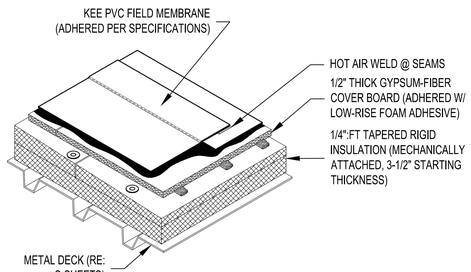


4 A-104 GUTTER EDGE DETAIL
SCALE: 3" = 1'-0"

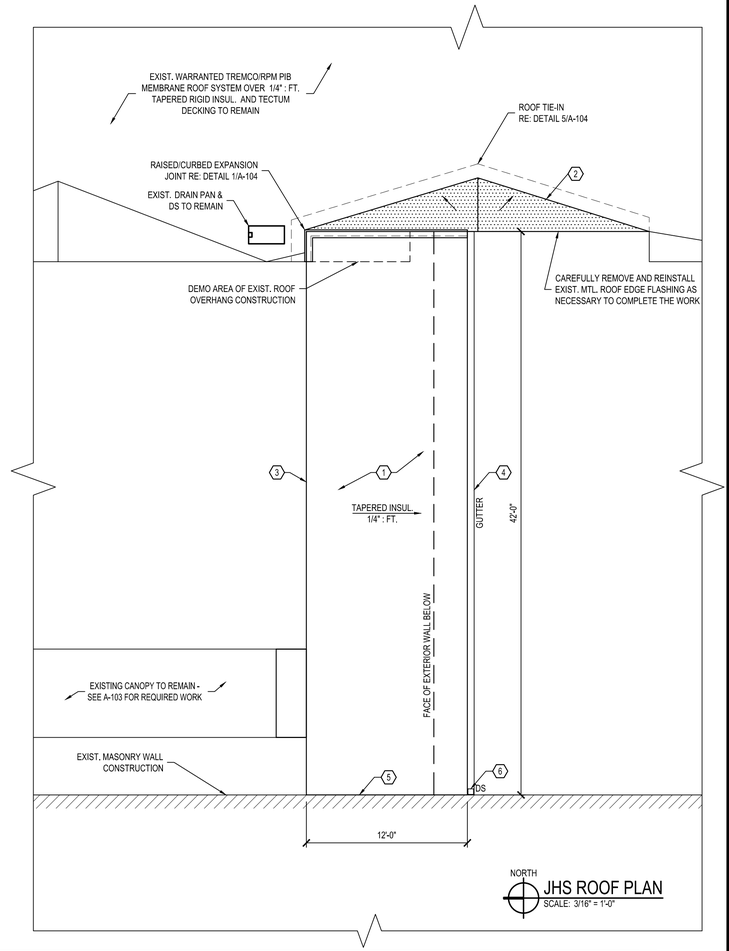


NOTE:
1. PRIOR TO SPLICING, CLEAN EXISTING PIB MEMBRANE BY SCRUBBING THE SPLICE AREA WITH WEATHERED MEMBRANE CLEANER AND ALLOW TO DRY.

5 A-104 ROOF TIE-IN DETAIL
SCALE: NONE



6 A-104 ROOF ASSEMBLY ILLUSTRATION
SCALE: NONE



JHS ROOF PLAN
SCALE: 3/16" = 1'-0"

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HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
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JUNIOR HIGH ADDITION ROOF PLAN AND RELATED DETAILS

A-104

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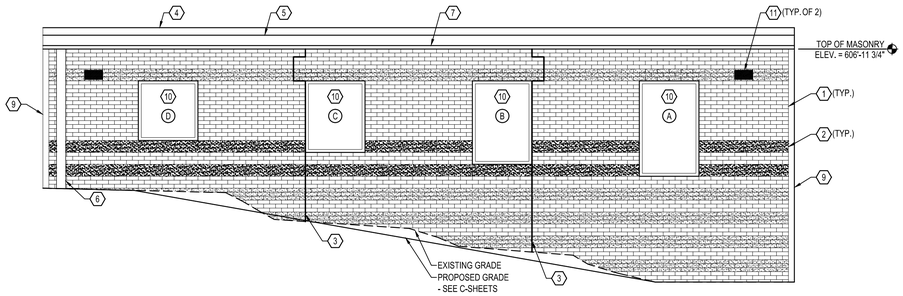
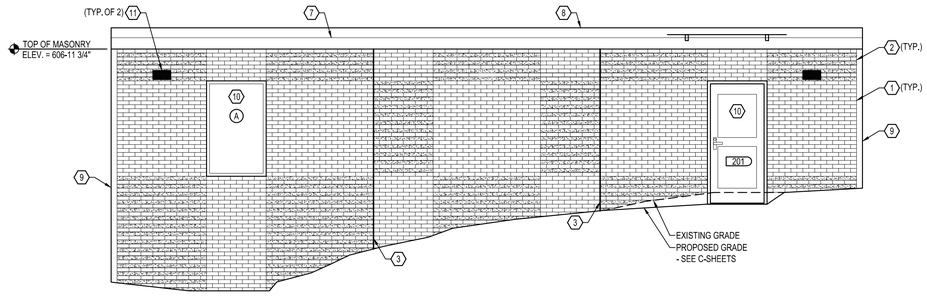


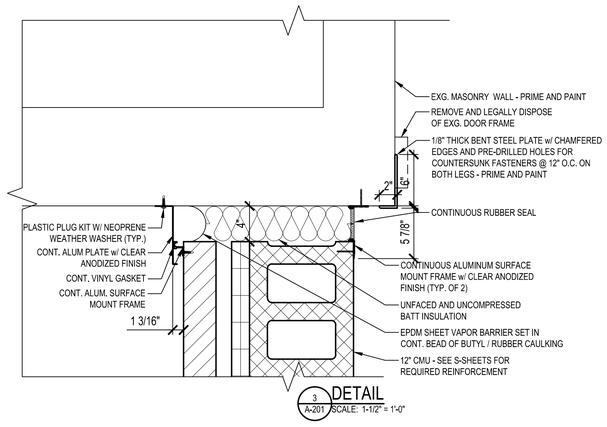
1 A-201 SCALE: 1/4" = 1'-0"
SOUTH ELEVATION



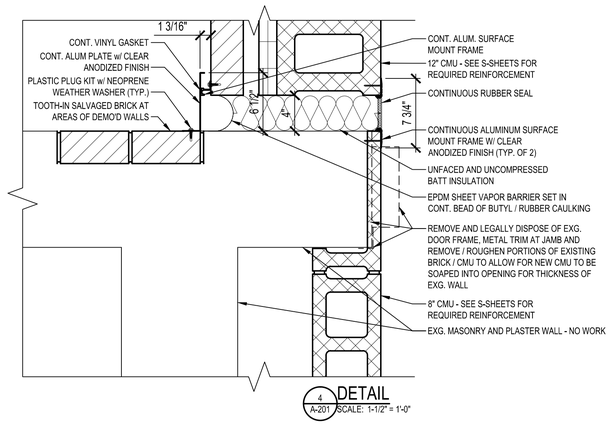
2 A-201 SCALE: 1/4" = 1'-0"
NORTH ELEVATION

KEYED NOTES: (X)

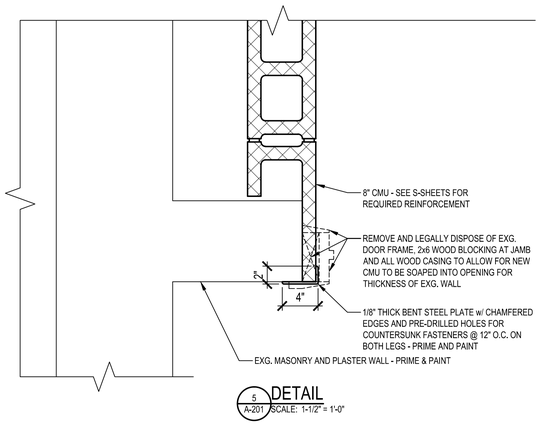
1. FACE BRICK (TYPE A) - SEE SPEC SECTION 04 20 00.
2. FACE BRICK (TYPE B) - SEE SPEC SECTION 04 20 00.
3. MASONRY CONTROL JOINT - SEE SPEC SECTION 04 20 00 AND 6/A-201.
4. MEMBRANE ROOFING - SEE SPEC SECTION XX XX XX AND SHEET A-104.
5. SHEET METAL GUTTER - SEE SPEC SECTION XX XX XX.
6. SHEET METAL DOWNSPOUT - SEE SPEC SECTION XX XX XX - CONNECT TO EXISTING UNDERGROUND PIPING.
7. SHEET METAL WRAPPED 1x TREATED WOOD FASCIA.
8. SHEET METAL RAISED ROOF EDGE - SEE SPEC SECTION XX XX XX.
9. EXPANSION JOINT AND COVER - SEE SPEC SECTION 07 95 00 AND 3 & 4/A-201.
10. ALUM. STOREFRONT SYSTEM - SEE SPEC SECTION 08 41 13 & SHEETS A-401 / A-501.
11. EXTERIOR LIGHT FIXTURE - SEE E-SHEETS.



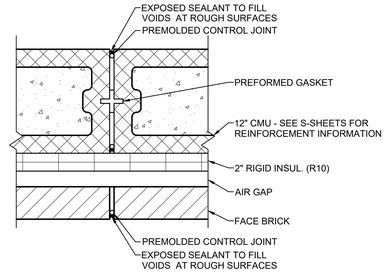
3 A-201 SCALE: 1-1/2" = 1'-0"
DETAIL



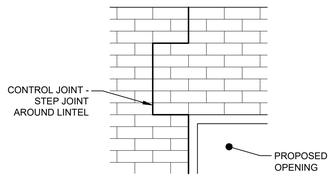
4 A-201 SCALE: 1-1/2" = 1'-0"
DETAIL



5 A-201 SCALE: 1-1/2" = 1'-0"
DETAIL



6A A-201 SCALE: 1-1/2" = 1'-0"
MASONRY CONTROL JOINT DETAIL



6B A-201 SCALE: 3/4" = 1'-0"
MASONRY CONTROL JOINT ELEVATION

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HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
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JUNIOR HIGH ADDITION
BUILDING ELEVATIONS
AND SECTIONS

A-201

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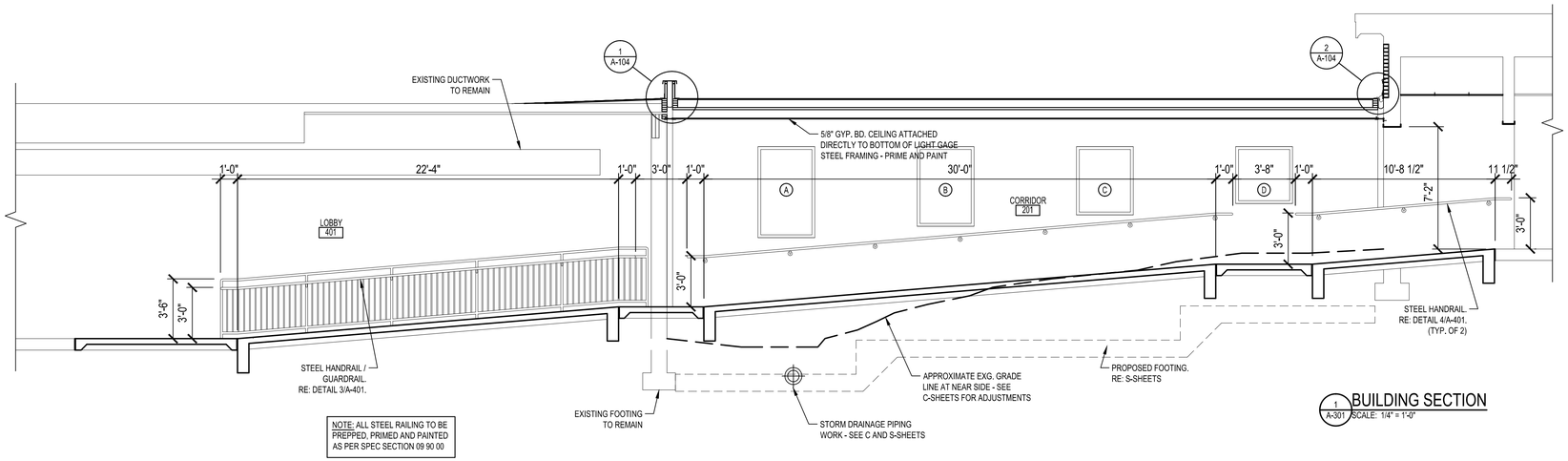
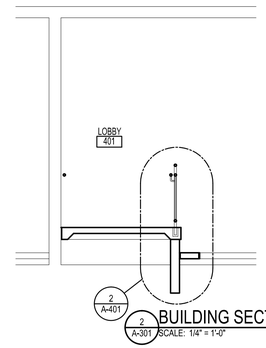


1 A-301 BUILDING SECTION
SCALE: 1/4" = 1'-0"



2 A-301 BUILDING SECTION
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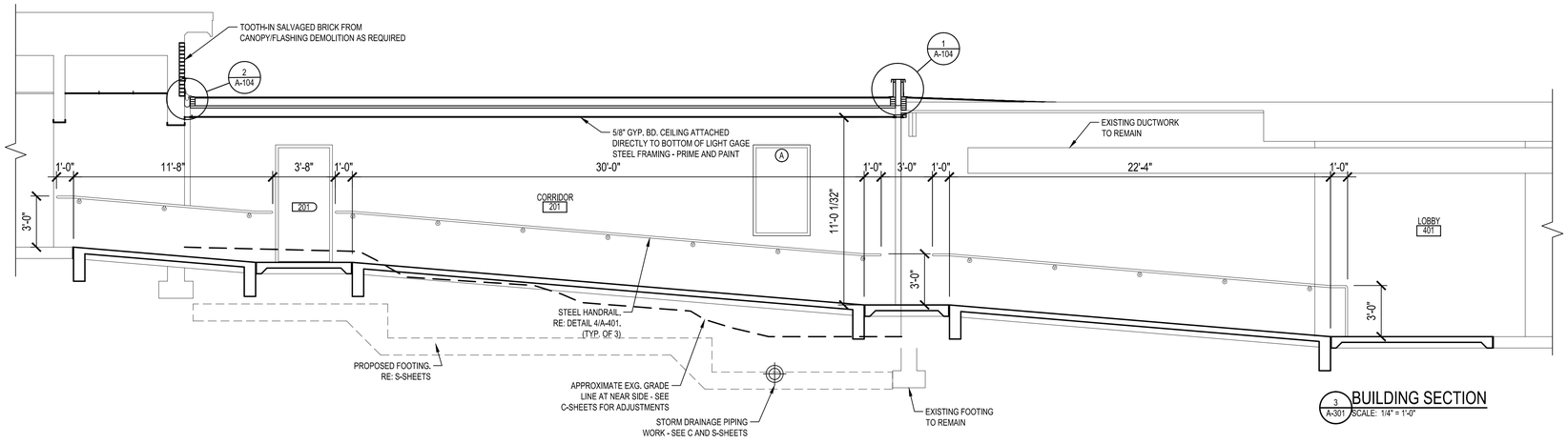
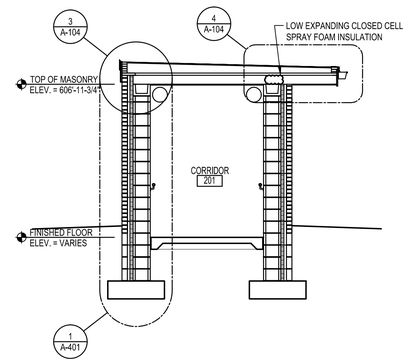


3 A-301 BUILDING SECTION
SCALE: 1/4" = 1'-0"



4 A-301 BUILDING SECTION
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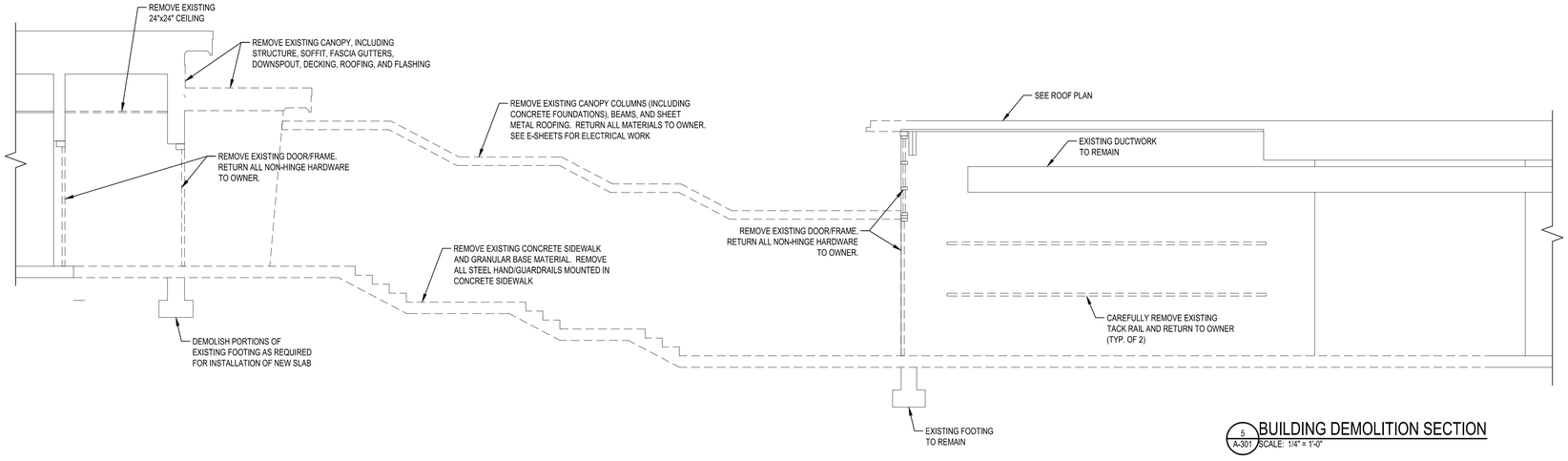
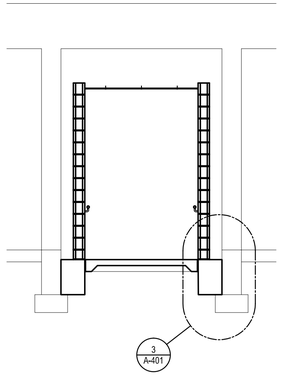


5 A-301 BUILDING DEMOLITION SECTION
SCALE: 1/4" = 1'-0"



6 A-301 BUILDING SECTION
SCALE: 1/4" = 1'-0"

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MARK	DATE	DESCRIPTION

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JUNIOR HIGH ADDITION
BUILDING SECTIONS

A-301

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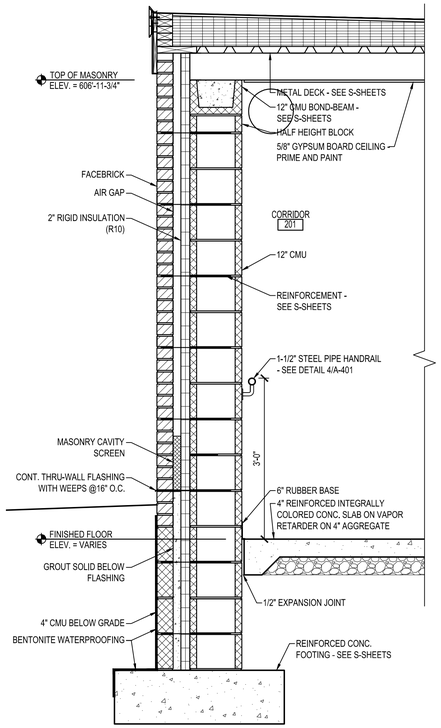
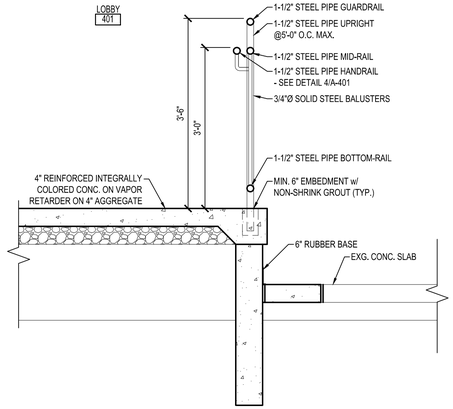
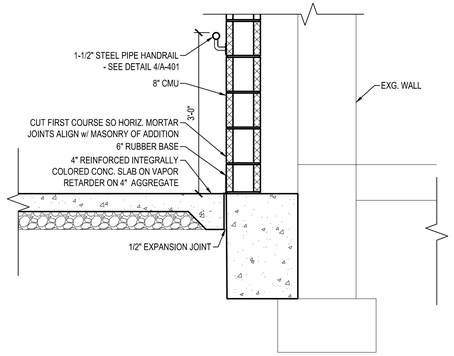


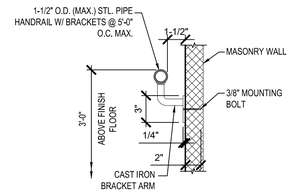
1 A-401 SECTION
SCALE: 3/4" = 1'-0"



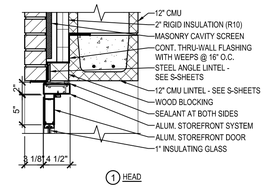
2 A-401 SECTION
SCALE: 3/4" = 1'-0"



3 A-401 SECTION
SCALE: 3/4" = 1'-0"



4 A-401 HANDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



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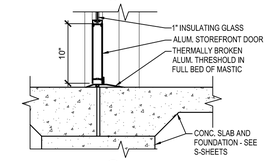

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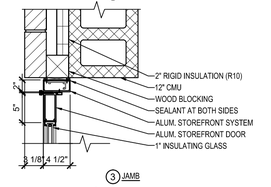
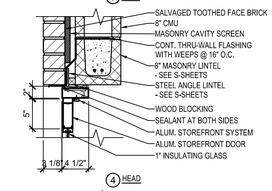


3 JAMB



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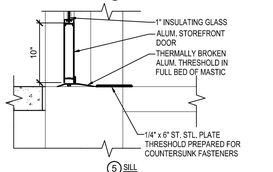
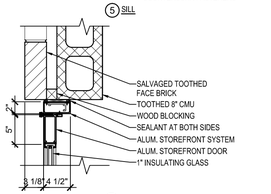
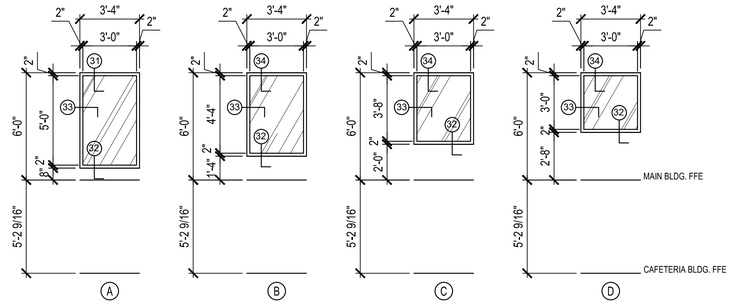


5 SILL

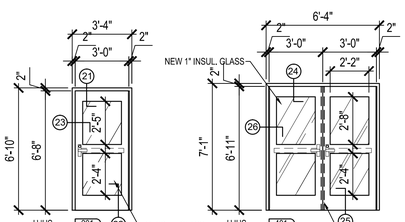


6 JAMB

7 A-401 DOOR DETAILS
SCALE: 1-1/2" = 1'-0"



5 A-401 STOREFRONT WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"



6 A-401 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE A-100'S FOR FLOOR PLANS.
2. FIELD VERIFY ALL DIMENSIONS RELATED TO DOOR FRAME SIZES PRIOR TO SUBMITTING SHOP DRAWINGS. VERIFY LOCATION OF EXISTING HORIZONTAL MORTAR JOINTS AND SIZE FRAMES ACCORDINGLY. SAWCUT DIMENSIONS INDICATED ON PLAN ARE TO EXISTING VERTICAL MORTAR JOINTS - VERIFY AS NECESSARY.
3. SEE SPECIFICATION SECTION 08 41 13 FOR ADDITIONAL INFORMATION ON ALUMINUM FRAMES ENTRANCES AND STOREFRONTS.
4. SEE SPECIFICATION SECTION 08 71 00 FOR ADDITIONAL INFORMATION ON DOOR HARDWARE.
5. SEE SPECIFICATION SECTION 08 80 00 FOR ADDITIONAL INFORMATION ON GLAZING.

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LICENSED ARCHITECT
TIMOTHY L DOWNEN
001.021928
STATE OF ILLINOIS

SIGNATURE
06-04-2018
DATE
11-30-2018
LICENSE EXPIRES

REBID: CORRIDOR ADDITION
HILLSBORO JUNIOR HIGH SCHOOL
HILLSBORO C.U.S.D. #3
HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

MARK	DATE	DESCRIPTION

DATE: JUNE 04, 2018
PROJECT NO: 150-0738

DESIGN:	DRAWN:	CHECK:
TLD	ATH	---

JUNIOR HIGH ADDITION
MISCELLANEOUS DETAILS

A-401

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ELECTRICAL GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
2. SEAL ALL PENETRATIONS W/ APPROPRIATE FIRE, WEATHER □ THERMAL STOPS. COORDINATE FIRE WALL LOCATIONS W/ ARCHITECTURAL SHEETS.
3. MECHANICAL EQUIPMENT VARIES FROM MANUFACTURER TO MANUFACTURER. COORDINATE ELECTRICAL CONNECTIONS WITH SUPPLIED EQUIPMENT.
4. ALL CONDUCTORS SHALL BE #12 AWG COPPER IN 3/4" CONDUIT MINIMUM UNLESS NOTED OTHERWISE. SWITCH LEGS SHALL BE PERMITTED TO BE INSTALLED IN 1/2" CONDUITS.
5. UNLESS NOTED OTHERWISE, ALL CONDUIT SHALL BE CONCEALED IN WALLS, ABOVE CEILINGS, AND BELOW FLOORS IN FINISHED SPACES. CONDUITS MAY BE RUN EXPOSED ONLY IN MECHANICAL OR OTHER UNFINISHED SPACES AND WHERE SPECIFICALLY NOTED OR SHOWN ON DRAWINGS.
6. RECEPTACLES AND SWITCHES SHALL BE SPECIFICATION GRADE AND SHALL INCLUDE A GROUND LUG.
7. SAFETY SWITCHES SHALL BE HEAVY-DUTY WITH A GROUND BUS.
8. ALL WIRING DEVICES SHALL INSTALLED IN RECESSED OUTLET BOXES EXCEPT IN MECHANICAL ROOMS OR WHERE SPECIFICALLY NOTED OR SHOWN ON DRAWINGS IN SURFACE MOUNT OUTLET BOXES.
9. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SERVICE WORK WITH THE UTILITY CO.
10. CONTRACTOR SHALL PROVIDE COMPLETED TYPED OR MACHINE PRINTED CIRCUIT DIRECTORIES FOR ALL PANELBOARDS.
11. COORDINATE LOCATIONS OF LIGHT FIXTURES IN MECHANICAL SPACES WITH HVAC EQUIPMENT.
12. REMOVE ALL DEBRIS AND LEGALLY DISPOSE OF OFF-SITE.
13. ALL EXIT SIGNS □ EMERGENCY LIGHTS SHALL BE CONNECTED TO THE UNSWITCHED LEG OF THE CIRCUIT.
14. COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED.

ELECTRICAL ABBREVIATIONS LIST

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
#	NUMBER	HZ	HERTZ
Ω	OHM	I.G.	ISOLATED GROUND
Ø	PHASE	IMC	INTERMEDIATE METALLIC CONDUIT
A	AMP (AMPERE)□AUTO	KCM	THOUSAND CIRCULAR MIL
AC	ALTERNATING CURRENT	LOC	LOCAL
A/E	ARCHITECT / ENGINEER	LRA	LOCKED ROTOR AMPS
AF	AMPS FRAME	LTFLEX	LIQUIDTIGHT FLEXIBLE CONDUIT
AFF	ABOVE FINISH FLOOR	LTG	LIGHTING
AFG	ABOVE FINISHED GRADE	MAX	MAXIMUM
AFU	AMPS FUSE	M.C.	MECHANICAL CONTRACTOR / SUBCONTRACTOR
AI	ANALOG INPUT	MCA	MINIMUM CIRCUIT AMPACITY
AIC	AMPS INTERRUPTING CAPACITY	MIN	MINIMUM
ALT	ALTERNATE	MOCP	MAXIMUM OVERCURRENT PROTECTION
ANN	ANNUNCIATOR	N.C.	NORMALLY CLOSED
AO	ANALOG OUTPUT	NEC	NATIONAL ELECTRICAL CODE
APPROX	APPROXIMATE	N.O.	NORMALLY OPEN
ARCH	ARCHITECT□ARCHITECTURAL	NTS	NOT TO SCALE
AS	AMPS SWITCH	O	OFF (OPEN)
AT	AMPS TRIP	O.C.	ON CENTER
AWG	AMERICAN WIRE GAUGE	P	POLE
BAS	BUILDING AUTOMATION SYSTEM	P.C.	PLUMBING CONTRACTOR / SUBCONTRACTOR
BFG	BELOW FINIHSED GRADE	PH	PHASE
BLDG	BUILDING	PLC	PROGRAMMABLE LOGIC CONTROLLER
C	CONDUIT	PNL	PANEL
CD	CANDELA	PNLBD	PANELBOARD
CONST	CONSTRUCTION	PT	POTENTIAL TRANSFORMER
CONT	CONTINUE□CONTINUATION□CONTINUOUS	PVC	POLYVINYL CHLORIDE (CONDUIT)
CT	CURRENT TRANSFORMER	PWR	POWER
dB	DECIBELL	RCPT	RECEPTACLE
DC	DIRECT CURRENT	REM	REMOTE
DDC	DIRECT DIGITAL CONTROL	RGS	RIGID GALVANIZED STEEL (CONDUIT)
DI	DISCRETE INPUT	RLA	RATED LOAD AMPS
DIA	DIAMETER	RM	ROOM
DISC	DISCONNECT	SCCR	SHORT CIRCUIT CURRENT (WITHSTAND) RATING
DO	DISCRETE OUTPUT	SE	SERVICE ENTRANCE
DWG	DRAWING	SF	SQUARE FEET
EA	EACH	SPEC	SPECIFICATION(S)
E.C.	ELECTRICAL CONTRACTOR / SUBCONTRACTOR	SQ FT	SQUARE FEET
ELEV	ELEVATION	SS	STAINLESS STEEL
EM	EMERGENCY	STP	SHIELDED TWISTED PAIR
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EST	ESTIMATED	TEMP	TEMPERATURE
EXG	EXISTING	T.C.C.	TEMPERATURE CONTROLS CONTRACTOR / SUBCONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR / SUBCONTRACTOR	TYP	TYPICAL
FA	FIRE ALARM	U.N.O.	UNLESS NOTED OTHERWISE
FACP	FIRE ALARM CONTROL PANEL	UTP	UNSHIELDED TWISTED PAIR
FLA	FULL LOAD AMPS	V	VOLTS□VENTILATION
FLEX	FLEXIBLE CONDUIT	VA	VOLT-AMP
G	GROUND	V.C.	VENTILATING CONTRACTOR / SUBCONTRACTOR
G.C.	GENERAL CONTRACTOR / SUBCONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE
GEC	GROUNDING ELECTRODE CONDUCTOR	W	WATT□WIRE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	W/	WITH
GFP	GROUND FAULT PROTECTED	W/O	WITHOUT
H	HAND□HEAT	WP	WEATHERPROOF
H.C.	HEATING CONTRACTOR / SUBCONTRACTOR	WPI	WEATHERPROOF WHILE-IN-USE
HP	HORSEPOWER	X	ON (CLOSED)
HVAC	HEATING, VENTILATING, □ AIR CONDITIONING	XFMR	TRANSFORMER

NOTE: SOME ABBREVIATIONS INDICATED IN LEGEND MAY NOT BE USED IN THIS PROJECT

ELECTRICAL SYMBOL LEGEND

PLAN SYMBOLS

SYMBOL	DESCRIPTION
$	WALL SWITCH, MOUNT 42" TO CENTER UNLESS NOTED OTHERWISE SWITCH NOMENCLATURE □ - SWITCH LEG (LOWER CASE) 3 - THREE WAY M/O - MANUAL OVERRIDE MS - MANUAL MOTOR STARTER W/O THERMAL OVERLOADS O/S - OCCUPANCY SENSOR P - PILOT LIGHT (ILLUMINATED ON)
OS	OCCUPANCY SENSOR, CEILING MOUNT
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE RECEPTACLE NOMENCLATURE □36" - MOUNTING HEIGHT TO CENTER (18" IF NOT MARKED) # # - BRANCH CIRCUIT NUMBER AC - ABOVE COUNTER MOUNT (IN BACKSPLASH) GFCI - GROUND FAULT CIRCUIT INTERRUPTER WPI - WEATHERPROOF IN-USE
	SPECIAL USE RECEPTACLE, NEMA CONFIGURATION AS NOTED
J	JUNCTION BOX
	PUSHBUTTON
TC	TIME CLOCK
M	MOTOR
	NON-FUSED SAFETY SWITCH
	EQUIPMENT AS NOTED
	UTILITY REVENUE METER
	CONDUIT CONCEALED IN WALL OR ABOVE CEILING
	CONDUIT CONCEALED BELOW FLOOR OR GRADE
	EXPOSED CONDUIT
	GROUND ELECTRODE CONDUCTOR
	CONDUIT TERMINATION
	CONDUIT TURNED VERTICAL
	HOME RUN TO PANELBOARD
	CORD AND PLUG CONNECTION
	FLEXIBLE CONDUIT
	EXPOSED GROUND BUS
	RADIO ANTENNA
	COMBINATION FAN / LIGHT
	SURFACE OR PENDANT MOUNT LIGHT FIXTURE
	WALL MOUNT LIGHT FIXTURE
	RECESSED CAN DOWNLIGHTING FIXTURE
	RECESSED MOUNTED 42□4' VOLUMETRIC FIXTURE
	TWO HEAD EMERGENCY EGRESS FIXTURE
	REMOTE EGRESS LIGHTING HEAD
	EXTERIOR EMERGENCY EGRESS FIXTURE
	EXIT SIGN, UNIVERSAL MOUNT
	EXIT SIGN W/ DIRECTIONAL CHEVRONS
	COMBINATION EXIT SIGN □ TWO HEAD EGRESS LIGHTING FIXTURE
	TWO LAMP HEAD FLOOD LIGHTING FIXTURE
	DATA OUTLET
S	SMOKE DETECTOR
H	HEAT DETECTOR
MS	MANUAL PULL STATION
FACP	FIRE ALARM CONTROL PANEL
NAC	FIRE ALARM NOTIFICATION APPLIANCE POWER SUPPLY
	AUDIO / VISUAL ALARM NOTIFICATION APPLIANCE
ML	MAGNETIC LOCK
ES	ELECTRIC STRIKE
CR	CARD READER
REX	REQUEST TO EXIT DEVICE
POS	POSITION SWITCH

ONE-LINE AND SCHEMATIC DIAGRAM SYMBOLS

SYMBOL	DESCRIPTION
	WIRING CONNECTION
	NO WIRING CONNECTION
	CIRCUIT BREAKER
	BRANCH CIRCUIT PANELBOARD
	TRANSFORMER
	EQUIPMENT AS NOTED
	CURRENT TRANSFORMER
M	UTILITY REVENUE METER
	ENGINE GENERATOR
	TRANSFER SWITCH

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SYMBOLS AND GENERAL NOTES

E-001

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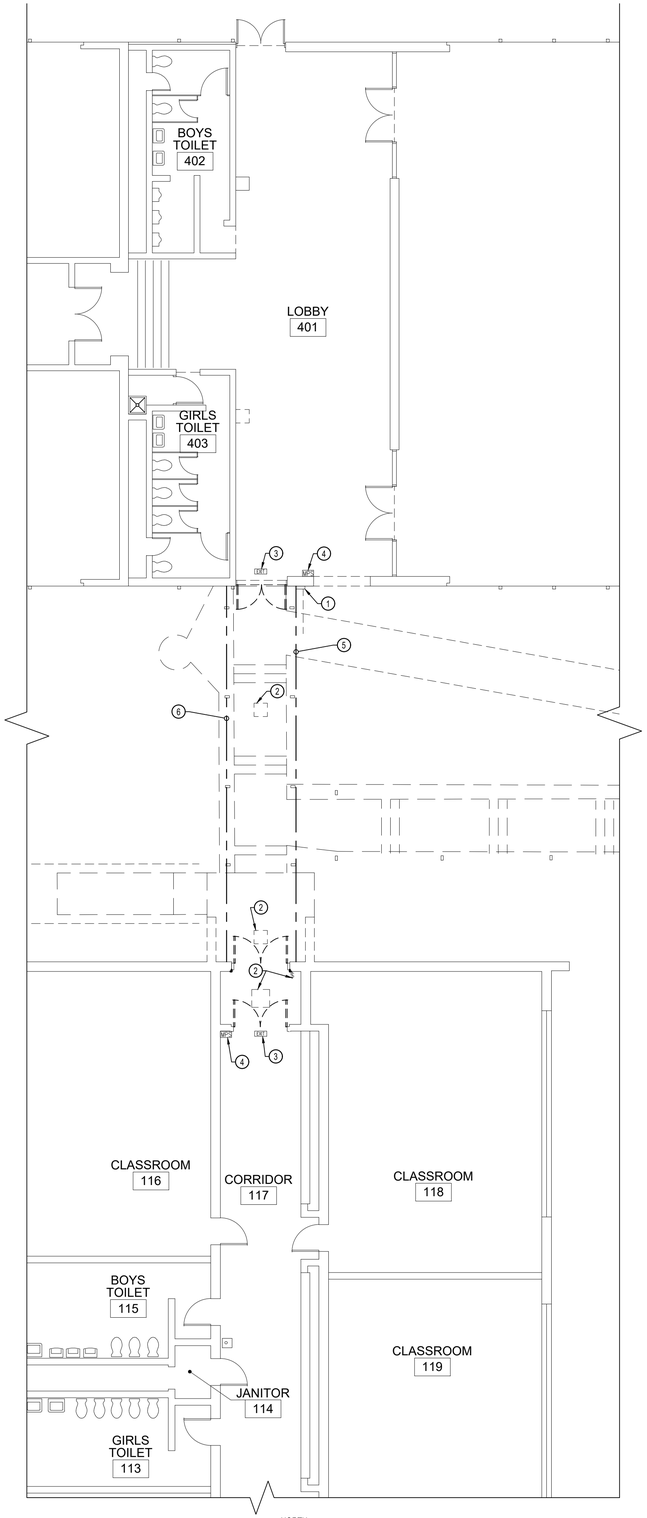
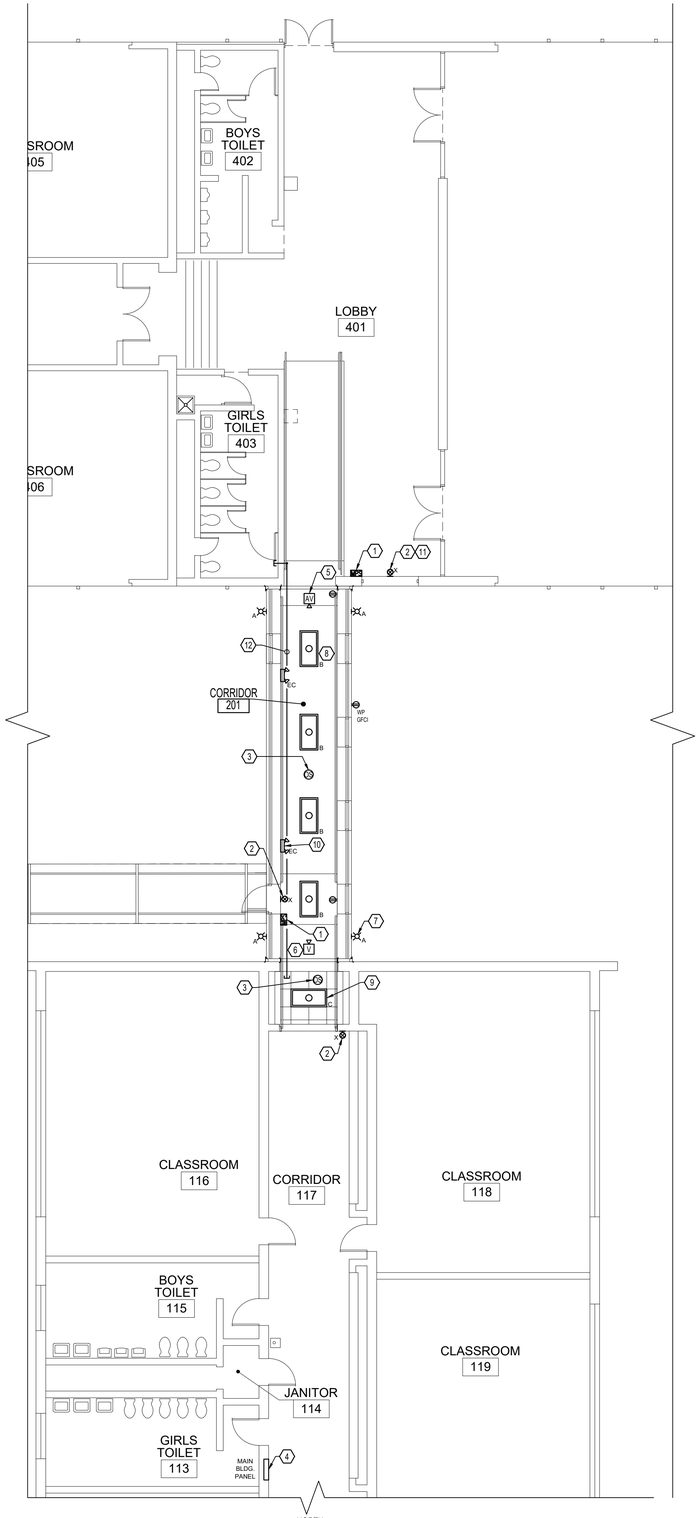


NORTH

ELECTRICAL DEMOLITION PLAN

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



NORTH

POWER/LIGHTING/FIRE-ALARM PLAN

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

DEMOLITION NOTES: (X)

1. REMOVE AND RETURN TO OWNER EXISTING WALL MOUNTED LIGHT FIXTURE. REMOVE AND LEGALLY DISPOSE OF ALL CONDUIT, SWITCHING AND WIRING.
2. REMOVE AND RETURN TO OWNER EXISTING CEILING MOUNTED LIGHT FIXTURE. REMOVE AND LEGALLY DISPOSE OF ALL CONDUIT, SWITCHING AND WIRING.
3. REMOVE AND LEGALLY DISPOSE OF EXISTING EXIT SIGN INCLUDING ALL CONDUIT AND WIRING.
4. REMOVE AND SALVAGE EXISTING MANUAL PULL STATION AS REQUIRED FOR REINSTALLATION AT LOCATION AS SHOWN.
5. REMOVE AND LEGALLY DISPOSE OF EXISTING CANOPY TOP MOUNTED CONDUIT AND WIRING FROM ABANDONED TELEPHONE AND INTERCOM SYSTEM - VERIFY WIRING USE PRIOR TO REMOVAL.
6. DISCONNECT AND REMOVE EXISTING FIRE ALARM CABLE AND FIBER OPTIC CABLE FORM EXISTING CONDUIT. REMOVE AND LEGALLY DISPOSE OF EXISTING CANOPY TOP MOUNTED CONDUIT.

KEYED NOTES: (X)

1. AFTER WORK FOR NEW DOOR OPENING IS COMPLETE, PROVIDE AND INSTALL SURFACE MOUNT CONDUIT TO SALVAGED PULL STATION. CONNECT TO EXISTING FIRE ALARM SYSTEM. PROVIDE ALL LABOR AND WIRING NECESSARY FOR A FULLY FUNCTIONAL PULL STATION.
2. PROVIDE AND INSTALL NEW WALL MOUNTED EXIT SIGN AT LOCATION INDICATED. CONNECT TO THE UN-SWITCHED LEG OF THE EXISTING LIGHTING CIRCUIT IN THIS SPACE.
3. INSTALL NEW LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR. CONNECT TO LIGHTING IN THIS SPACE.
4. APPROXIMATE LOCATION OF EXISTING 120/240V SINGLE PHASE SQUARE-D NOOD MAIN BUILDING PANEL. ADD (1) 20A, 1P BREAKER FOR NEW THE LIGHTING SHOWN. ADD (1) 20A, 1P BREAKER FOR THE NEW RECEPTACLES SHOWN. MAKE CONNECTIONS TO LIGHTING AND POWER COMPONENTS AS REQUIRED TO MAKE COMPLETE AND FULLY FUNCTIONING CIRCUITS.
5. INSTALL NEW FIRE ALARM AUDIO VISUAL DEVICE ON CEILING TO MATCH EXISTING FIRE ALARM SYSTEM. CONNECT TO NEAREST EXISTING FIRE ALARM CIRCUIT.
6. INSTALL NEW FIRE ALARM VISUAL DEVICE ON CEILING TO MATCH EXISTING FIRE ALARM SYSTEM. CONNECT TO NEAREST EXISTING FIRE ALARM CIRCUIT.
7. FIXTURE TYPE 'A' (TYPICAL) TO BE CREE MODEL # XSPW-A-0-3-F-G-1-Z-P TO MATCH EXISTING FIXTURES. VERIFY EXACT MODEL NUMBER WITH SCHOOL DISTRICT.
8. FIXTURE TYPE 'B' (TYPICAL) TO BE CREE MODEL #: FP24-50L-40K WITH SMK-CR24 OR EQUIVALENT FROM LITHONIA, METALUX, PHILIPS.
9. FIXTURE TYPE 'C' TO BE CREE MODEL #: FP24-50L-40K OR EQUIVALENT FROM LITHONIA, METALUX, PHILIPS.
10. FIXTURE TYPE 'EC' (TYPICAL) TO BE SIMKAR MODEL #: DLM-W-SD OR EQUIVALENT FROM LITHONIA, DUAL-LITE.
11. FIXTURE TYPE 'X' (TYPICAL) TO BE SIMKAR MODEL #: DLR-2-R-W-EM OR EQUIVALENT FROM LITHONIA, DUAL-LITE.
12. PROVIDE NEW 1 1/2" EMT FROM ABOVE EXISTING CEILING OF MAIN BUILDING CORRIDOR 117 TO NORTH WALL OF CAFETERIA BUILDING LOBBY 401. ROUTE NEW EMT IN KNOCKOUTS OF NEW METAL STUDS / JOISTS IN BUILDING CONNECTOR. EXTEND EMT INTO CAFETERIA BUILDING DIRECTLY BELOW EXISTING ROOF DECK IN LOBBY 401. EXTEND EMT ALONG NORTH WALL OF LOBBY 401, THEN TURN DOWN VERTICAL ON WALL. TURN CONDUIT THROUGH WALL INTO SPACE ABOVE EXISTING CEILING OF GIRL'S TOILET 403. PROVIDE NEW 8 STRAND FIBER OPTIC CABLE AND FIRE ALARM SYSTEM CABLES TO MATCH EXISTING IN NEW EMT.

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JUNIOR HIGH ADDITION
DEMOLITION, POWER, LIGHTING, AND FIRE ALARM PLANS

E-101

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