

# CLINTON COUNTY GOVERNMENT

## DEWITT ANNEX - 2012 RENOVATIONS

226 11TH STREET  
DEWITT, IOWA

IIW, P.C.



ARCHITECTURE  
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FOR IIW, P.C.

LAUREN N. RAY 18084

LAUREN N. RAY \_\_\_\_\_ DATE \_\_\_\_\_  
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FOR ARNOLD AND O'SHERIDAN, INC.

TIMOTHY T. WENDT 17732

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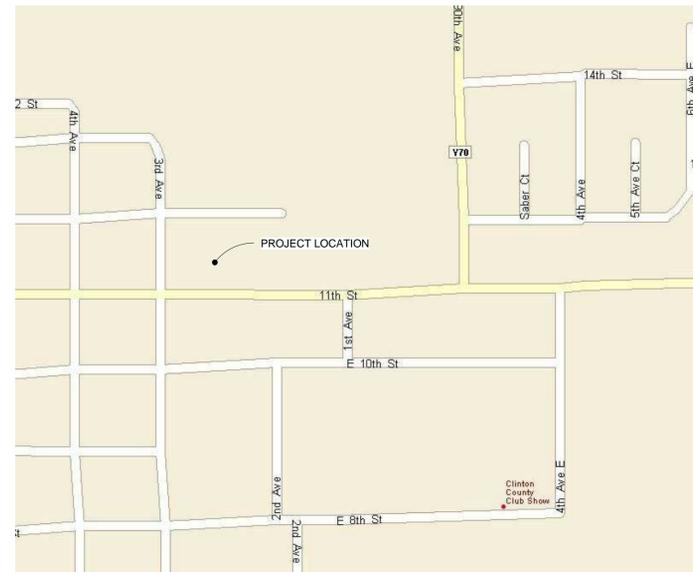
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### PROJECT LOCATION



### SHEET LIST

SHEET LIST	
SHEET NUMBER	SHEET NAME
G1.0	COVER SHEET
G1.1	ABBREVIATIONS
AD1.1	DEMOLITION PLAN
A1.1	FLOOR PLAN
A1.2	ENLARGED TOILET PLAN AND DETAILS
A2.1	REFLECTED CEILING PLAN
A8.1	DOOR AND FINISH SCHEDULES, DOOR AND FRAME ELEVATIONS
S0.1	STRUCTURAL NOTES AND SNOW DRIFT PLAN
S0.2	SPECIAL INSPECTION TABLES
S1.1	FOUNDATION, ROOF FRAMING PLAN AND DETAILS
H0.1	SYMBOLS AND ABBREVIATIONS
H1.1	FLOOR PLANS
H8.1	DETAILS AND SCHEDULES
PD1.1	DEMOLITION PLAN
P0.1	SYMBOLS AND ABBREVIATIONS
P1.1	FLOOR PLANS
P8.1	DETAILS AND SCHEDULES
ED1.1	DEMOLITION PLAN
E0.1	SYMBOLS, ABBREVIATIONS AND SCHEDULES
E1.0	SITE PLAN
E1.1	FLOOR PLANS
E8.1	DETAILS

### COVER SHEET

CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

Project Description:

Rev	Date	By	Description
100 % CONSTRUCTION DOCUMENTS	07/13/12		

Sheet No:

# G1.0

Project No: 11176-01

ABBREVIATIONS

∠	ANGLE
Δ	CENTRAL ANGLE
AB	ANCHOR BOLT
A/C	AIR CONDITIONING(ER)
AC	ACRES
AD	ALGEBRAIC DIFFERENCE
ADDL	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATING
ALUM	ALUMINUM
ANCH.	ANCHOR
AOH	ARROW ON HYDRANT
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AVG	AVERAGE
B-B	BACK OF CURB TO BACK OF CURB
B.B.	BOND BEAM
B/C	BACK OF CURB
B/DITCH	BOTTOM OF DITCH
BFP	BACKFLOW PREVENTOR
B/L	BASE LINE
B.L.	BRICK LEDGE
B/S	BOTTOM OF SLOPE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BNT	BENT
BM	BEAM
B.M.	BENCH MARK
BOP	BEGINNING OF PROJECT
BOT	BOTTOM
BRG	BEARING
BRKT	BRACKET
BSMT	BASEMENT
BWTN	BETWEEN
BV	BUTTERFLY VALVE
C&G	CURB AND GUTTER
CANT	CANTILEVER
CATV	CABLE TELEVISION
CB	CATCH BASIN
C-C	CENTER TO CENTER
CF	CUBIC FEET
CH	CHORD
CH BRG	CHORD BEARING
CIP	CAST IRON PIPE
C-I-P	CAST-IN-PLACE
CISP	CAST IRON SOIL PIPE
CJ	CONTROL JOINT
-C CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPACTED
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COR	CORNER
CORR	CORRUGATED
CP	CONTROL POINT
CPE	CORRUGATED POLYETHYLENE PIPE
CRST	CRUSHED STONE
CSP	CORRUGATED STEEL PIPE
CTRD	CENTERED
CTR	CENTER
CU	CUBIC
CULT	CULTIVATED
CV	CHECK VALVE
CY	CUBIC YARD

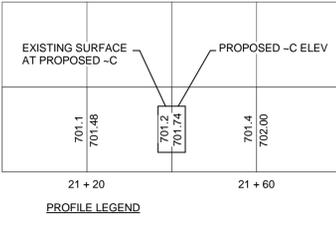
D	DEGREE OF CURVE
DEFL	DEFLECTION
DIA ( )	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DIST	DISTANCE
DL	DEAD LOAD
DN	DOWN
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG(S)	DRAWING(S)
DWL(S)	DOWEL(S)
E	EAST
E'LY	EASTERLY
EA	EACH
E.E.	EACH END
E.F.	EACH FACE
EFF	EFFECTIVE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENGR	ENGINEER
ENTR	ENTRANCE
EOP	END OF PROJECT
EOR	END OF RADIUS
E/P	EDGE OF PAVEMENT
EQ	EQUAL
E/S	EDGE OF SHOULDER
ESMT	EASEMENT
EST	ESTIMATE
EX	EXISTING
EXC	EXCAVATE/EXCAVATION
EXP	EXPANSION
EXT	EXTERIOR
EXTD	EXTEND
EW	EACH WAY
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
F.E.	FIELD ENTRANCE
FES	FLARED END SECTION
F-F	FACE TO FACE
F&I	FURNISH & INSTALL
F.F.	FAR FACE
FFE	FINISH FLOOR ELEVATION
FG	FORM GRADE
FIN GR	FINISHED GRADE
FL	FLOWLINE
FLG	FLANGE
FLR	FLOOR
FM	FORCE MAIN
FND	FOUND
FOW	FACE OF WALL
FRM	FRAME
F.S.	FAR SIDE
FT	FOOT/FEET
FTG	FOOTING
FUT	FUTURE
FV	FIELD VERIFY
G	GUTTER
GA	GAGE
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GL	GLUE LAMINATED WOOD
GND	GROUND
GRAN	GRANULAR
GRD	GRADE
GV	GATE VALVE
GYP	GYPSON

HD	HEAD
H.E.F.	HORIZONTAL EACH FACE
H.I.F.	HORIZONTAL INSIDE FACE
HK	HOOK
H.M.	HOLLOW METAL
HMA	HOT MIX ASPHALT
H.O.F.	HORIZONTAL OUTSIDE FACE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPT	HIGH POINT
H.S.A.	HEADED STUD ANCHOR
H.S.S.	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER/INSIDE DIMENSION
IE	INVERT ELEVATION
I.F.	INSIDE FACE
I.J.	ISOLATION JOINT
IMP	IMPROVEMENTS
IN	INCHES
INFO	INFORMATION
INSP	INSPECTION
INST	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INTR	INTERSECTION
INV	INVERT
IP	IRON PIPE
JB	JUNCTION BOX
JT	JOINT/JOINT LENGTH
JST(S)	JOIST(S)
K	RATE OF VERTICAL CURVATURE
K	KIPS
K/FT	KIPS PER FOOT
KIP	1 KP = 1,000 LBS
KSF	KIPS PER SQUARE FOOT
L	LENGTH OF CURVE
LAT	LATERAL
LB/#	POUND
LF	LINEAL FOOT
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LP	LIGHT POLE
LPT	LOW POINT
LT	LEFT
LTL	LINTEL
LW	LIGHT WEIGHT
MAS	MASONRY
MAX	MAXIMUM
MBR	MEMBER
ME	MATCH EXISTING
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MICRO LAMINATED WOOD
MO	MOISTURE RESISTANT
MOD	MODIFY
MON	MONUMENT
MS	METAL STUD
MTD	MOUNTED

N	NORTH
N/A	NOT APPLICABLE, NOT AVAILABLE
NE'LY	NORTHEASTERLY
N.F.	NEAR FACE
N'LY	NORTHERLY
NO#	NUMBER
N.S.	NEAR SIDE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
NW'LY	NORTHWESTERLY
OC	ON CENTER
OD	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
O.H.	OVERHEAD
OP'G	OPENING
OPP	OPPOSITE
PC	POINT OF CURVE
P.C.	PRECAST/PRESTRESSED CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCC	PORTLAND CEMENT CONCRETE
PED	PEDESTAL/PEDESTRIAN
PERF	PERFORATED
PERIM.	PERIMETER
PERP	PERPENDICULAR
PI	POINT OF INTERSECTION
P/L	PROPERTY LINE
-P	PLATE
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAL FOOT
PLK	PLANK
PM	PRINCIPAL MERIDIAN
POB	POINT OF BEGINNING
POC	POINT OF CURVE
POT	POINT OF TANGENT
PRC	POINT OF REVERSE CURVE
PROJ.	PROJECTION
PROP	PROPOSED
PRV	PRESSURE REDUCING VALVE
PS	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P.T.	PAINTED
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
R	RADIUS
R.D.	ROOF DRAIN
R&R	REMOVE & REPLACE
R&S	REMOVE & SALVAGE
RCB	REINFORCED CONCRETE BOX
RCF	REFLECTED CEILING PLAN
RD	ROAD
REBAR	REINFORCING BAR
REF	REFERENCE
REINF	REINFORCING/REINFORCED
REM	REMAINDER
REQ	REQUIRED
REV	REVISION
RIM	RIM ELEVATION
R.O.	ROUGH OPENING
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAILROAD
RS	RESILIENT SEAT
RT	RIGHT

S	SOUTH
S=	SUPERELEVATION
SAN	SANITARY
SANS	SANITARY SEWER
SB	SOIL BORING
SCH	SCHEDULE
SD	SUB DRAIN
SOL	SUPERIMPOSED DEAD LOAD
SEC	SECTION
SE'LY	SOUTHEASTERLY
SF	SQUARE FOOT
S.F.	SPLIT FACE
S.F.D.	STEP FOOTING DOWN
SHT	SHEET
SIG.	SIGNAL
SIM.	SIMILAR
S'LY	SOUTHERLY
SLL	SUPERIMPOSED LIVE LOAD
SOG	SLAB ON GRADE
SPC	SPACE
SPEC	SPECIFICATION
SQ	SQUARE
ST	STREET
STA	STATION
STAG.	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STM	STORM
STMS	STORM SEWER
STR	STRUCTURE/STRUCTURAL
SUPP	SUPPORT
SW'LY	SOUTHWESTERLY
SY	SQUARE YARD
SYM	SYMBOL
SYMM	SYMMETRICAL
T	TANGENT LENGTH
T/B	TOP OF BANK
T/DITCH	TOP OF DITCH
T/C	TOP OF CURB
T/GRV	TOP OF GRAVEL
T/WALL	TOP OF WALL
T/P	TOP OF PAVEMENT
T/S	TOP OF SLOPE
T/SUB	TOP OF SUBGRADE
T/W	TOP OF WALK
T & B	TOP AND BOTTOM
T.O.B.	TOP OF BEAM
T.O.B.L.	TOP OF BRICK LEDGE
T.O.C.	TOP OF CONCRETE
T.O.E.F.	TOP OF EXISTING FOOTING
T.O.F.	TOP OF FOOTING
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PIER
T.O.S.	TOP OF STEEL
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINATE
TGB	TOP OF GRADE BEAM
THD	THREAD
THK	THICK/THICKNESS
TPD	TEMPERED
TPG	TOPPING
TRANS.	TRANSVERSE
TS	TUBE STEEL
TWP	TOWNSHIP
TYP	TYPICAL
U	UTILITY
UAC	USE AS CONSTRUCTED
UE	UTILITY EASEMENT
UL	UNDERWRITERS LABORATORIES, INC.
ULFM	UNDERWRITERS LABORATORIES FACTORY MUTUAL
UNO	UNLESS NOTED OTHERWISE

VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
V.E.F.	VERTICAL EACH FACE
VER	VERIFY
VERT	VERTICAL
V.I.F.	VERTICAL INSIDE FACE
V.O.F.	VERTICAL OUTSIDE FACE
VOL	VOLUME
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WEST
W/	WITH
W'LY	WESTERLY
WM	WATER MAIN
W/O	WITHOUT
W.P.	WORKING POINT
WD	WOOD
WND	WINDOW
WSO	WATER SHUT OFF
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
X	CROSS
XSTG	EXTRA STRONG
XXSTG	DOUBLE EXTRA STRONG
YD	YARD



LEGEND

EXISTING	PROPOSED
	PROPERTY LINE
	EASEMENT
	CENTERLINE
	STORM SEWER
	SUB DRAIN
	SANITARY SEWER
	FORCE MAIN
	WATER LINE
	GAS LINE
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	OVERHEAD TELEPHONE
	UNDERGROUND TELEPHONE
	OVERHEAD TELEVISION
	UNDERGROUND TELEVISION
	OVERHEAD UTILITY
	FIBER OPTIC
	WIRE FENCE
	CHAINLINK FENCE
	WOOD FENCE
	CONTOUR LINE
	RAILROAD TRACKS
	GUARD RAIL
	SPOT ELEVATION
	DIRECTION OF FLOW
	TREE LINE
	CATCH BASIN
	AREA INTAKE
	STORM MANHOLE
	SANITARY MANHOLE
	UTILITY MANHOLE
	WATER VALVE MANHOLE
	FIRE HYDRANT
	WATER SHUT OFF
	WATER VALVE
	YARD HYDRANT
	GAS VALVE
	SIGN
	UTILITY POLE
	UTILITY POLE WITH LIGHT
	TRAFFIC SIGNAL POLE
	GUY ANCHOR
	LIGHT POLE
	UTILITY PEDESTAL
	WELL
	MAILBOX
	WATER LEVEL
	BOLLARD
	SOIL BORING
	POST INDICATOR VALVE
	DECIDUOUS TREE W/ TRUNK DIA.
	CONIFEROUS TREE W/ TRUNK DIA.
	SHRUB OR BUSH
	FOUND IRON ROD
	FOUND IRON PIPE
	SET IRON ROD
	CONTROL POINT

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ABBREVIATIONS

CLINTON COUNTY GOVERNMENT DEWITT ANNEX - 2012 RENOVATIONS 226 11TH STREET DEWITT, IOWA

GENERAL SYMBOLS

	EARTH
	FREE DRAINING FILL OR GRAVEL (DESIGNATE ON DRAWINGS)
	ASPHALT PAVING
	CONCRETE (CAST IN PLACE OR PRECAST)
	BRICK IN ELEVATION
	FACE BRICK
	CONCRETE BLOCK (CMU)
	GLAZED TILE
	CUT STONE
	STRUCTURAL STEEL
	ROUGH LUMBER
	WOOD STUD WALL
	FINISHED WOOD
	PLYWOOD
	RIGID INSULATION
	INSULATION (BLANKET OR BATT)
	SEALANT
	PLASTER
	GYPSON BOARD
	EXISTING CONSTRUCTION
	GRASS
	ACOUSTICAL CEILING

GENERAL SYMBOLS

	EXTERIOR ELEV
	SECTIONS
	CASEWORK ELEV
	MILLWORK ELEV
	DETAILS
	COLUMN GRID (LETTERS VERT. NUMBERS HORIZ.)
	ROOM NUMBER (NAME OPTIONAL)
	REVISION NOTE
	PLAN NOTE (KEY NOTE)
	DEMOLITION NOTE
	EQUIPMENT NOTE
	FINISH NOTE
	WALL PARTITION TYPES
	WINDOW SYMBOL

DOOR SYMBOLS

	PROPOSED DOOR
	PROPOSED DOOR 180° SWING
	PROPOSED DOOR DUTCH
	PROPOSED DOOR DOUBLE ACTING
	EXISTING DOOR TO REMAIN OR BEING RELOCATED
	EXISTING DOOR TO BE REMOVED
	PROPOSED DOOR BI-FOLD
	PROPOSED DOOR FOLDING
	PROPOSED DOOR UPWARD ACTING SECTIONAL

Project Description:

Drawn By: MRF	Date
Project Mgr: MAR	07/13/12
Issued For: Bidding	
100 % CONSTRUCTION DOCUMENTS	
Description	

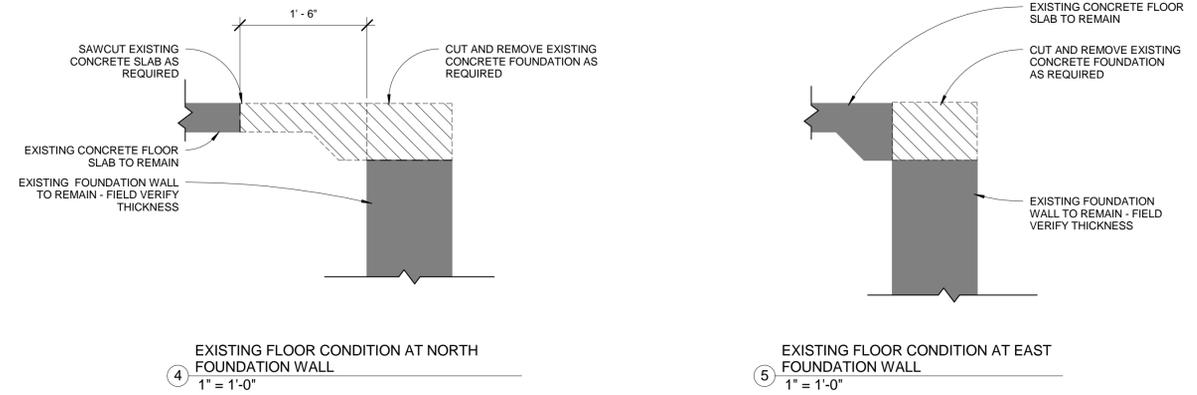
Sheet No: G1.1 Project No: 11176-01

## DEMOLITION FLOOR PLAN NOTES

- 1 REMOVE EXISTING FLOOR STRUCTURE AND WALL, BEAMS AND COLUMNS. SHORE EXISTING ROOF STRUCTURE PRIOR TO REMOVAL OF ANY ROOF SUPPORT STRUCTURE.
- 2 REMOVE EXISTING WALL CONSTRUCTION AND FINISHES.
- 3 REMOVE EXISTING WINDOW AND ASSOCIATED SILL. SALVAGE TO OWNER FOR RELOCATION.
- 4 REMOVE EXISTING DOOR, FRAME AND ASSOCIATED HARDWARE.
- 5 REMOVE EXISTING EXTERIOR DOOR, FRAME, TRIM, SIDE LIGHTS AND ASSOCIATED HARDWARE. TURN OVER TO OWNER.
- 6 REMOVE EXISTING WINDOW UNIT AND TURN OVER TO OWNER.
- 7 REMOVE EXISTING WALL CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW DOOR.
- 8 REMOVE EXISTING UTILITY SINK AND ASSOCIATED PLUMBING. COORDINATE WITH PLUMBING.
- 9 REMOVE EXISTING PLUMBING PVC PIPE UPON FLOOR REMOVAL. COORDINATE WITH PLUMBING.
- 10 REMOVE EXISTING TOILET, PLUMBING FIXTURES AND ALL PLUMBING LINES. COORDINATE WITH PLUMBING.
- 11 RELOCATE EXISTING WATER HEATER AND PIPING. COORDINATE WITH PLUMBING.
- 12 REMOVE EXISTING FLOORING DOWN TO EXISTING SLAB. REMOVE ALL ASSOCIATED ADHESIVES.
- 13 RELOCATE EXISTING ELECTRICAL PANEL. COORDINATE WITH ELECTRICAL.
- 14 RELOCATE EXISTING MECHANICAL SYSTEM, DUCTWORK AND PIPING. COORDINATE WITH OTHER TRADES.
- 15 NOT USED
- 16 REMOVE EXISTING CERAMIC TILE DOWN TO FLOOR BELOW. CLEAN AND PATCH AS REQUIRED FOR INSTALLATION OF NEW FLOORING.
- 17 REMOVE EXISTING WINDOW MOLDING AND SALVAGE FOR RE-INSTALLATION.
- 18 CUT AND REMOVE EXISTING FOUNDATION AS REQUIRED FOR INSTALLATION OF NEW CONCRETE FLOOR SLAB.
- 19 REMOVE EXISTING WALL, BEAMS AND COLUMNS. SHORE EXISTING ROOF STRUCTURE PRIOR TO REMOVAL OF ANY EXISTING ROOF SUPPORT STRUCTURE. CUT AND REMOVE EXISTING FOUNDATION AS REQUIRED FOR INSTALLATION OF NEW CONCRETE FLOOR SLAB.

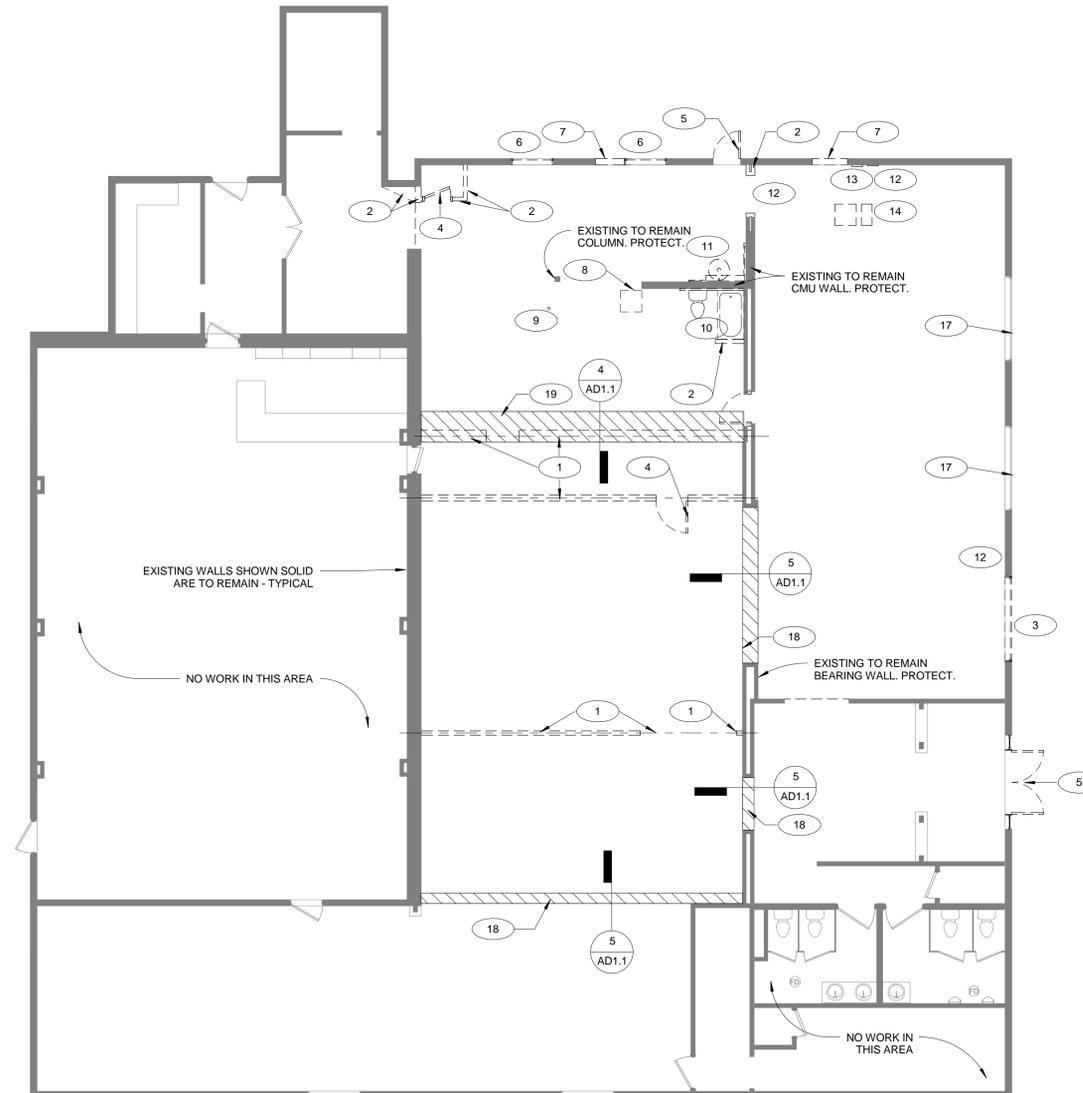
## GENERAL DEMOLITION NOTES

1. ANY DAMAGE TO ADJACENT SURFACES, FINISHES OR ACCESSORIES DURING THE DEMOLITION OR PROPOSED CONSTRUCTION PHASE SHALL BE REPAIRED TO MATCH THE EXISTING CONDITION BY THE DISCIPLINE WHOSE WORK RESULTED IN THE DAMAGE.
2. CONTRACTOR SHALL VISIT THE BUILDING AND SITE BEFORE SUBMITTING A PROPOSAL AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS THAT AFFECT HIS PROPOSED AND REMODELING WORK. ANY QUESTIONS, AMBIGUITIES, CONFLICTS, ETC. SHALL BE RESOLVED WITH THE ARCHITECT PRIOR TO BIDDING. CONTRACTOR SHALL VISIT AND INSPECT THE WORK SO THAT HE WILL INCLUDE ALL NECESSARY ITEMS OF WORK IN HIS BID. UTMOST COORDINATION BETWEEN TRADES WILL BE NECESSARY.
3. GENERAL CONSTRUCTION CONTRACTOR TO PROVIDE ALL INDICATED AND REQUIRED DEMOLITION WORK EXCEPT WHERE SPECIFICALLY INDICATED TO BE PROVIDED BY OTHER CONTRACTS OR SHOWN BY OTHER DISCIPLINES AS THEIR WORK.
4. USE MATERIALS TO MATCH OR RESEMBLE EXISTING AND HAVE SAME FINISHES AS THOSE REMOVED AND/OR ADJACENT MATERIALS UNLESS OTHERWISE NOTED.
5. UNLESS NOTED OTHERWISE, ALL ITEMS OR MATERIALS INDICATED TO BE REMOVED SHALL BE DISPOSED OF BY THE CORRESPONDING DISCIPLINE PERFORMING THE RELATED WORK. ALSO SEE MECHANICAL AND ELECTRICAL DRAWINGS.
6. SEE OTHER DISCIPLINES' DRAWINGS FOR DEMOLITION WORK NOT SHOWN HERE WHICH IS RELATED TO THEIR WORK.
7. REMODELING, MODIFYING, PATCHING AND REPAIR OF EXISTING BUILDING COMPONENTS SHALL BE DONE AS REQUIRED TO PRODUCE FINISHED WORK EQUAL IN QUALITY TO THE PROPOSED WORK AS SPECIFIED AND DETAILED. CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE TRADE WHOSE WORK RESULTS IN THE NEED FOR CUTTING AND PATCHING UNLESS A SPECIFIC CONTRACTOR IS CALLED OUT ON THE DRAWINGS. QUALITY OF WORKMANSHIP, MATERIALS AND QUALITY OF FINISH SHALL BE EQUAL TO THE LEVEL ESTABLISHED FOR SIMILAR PROPOSED WORK. EXCEPT WHERE EXISTING APPEARANCE IS TO BE MATCHED TO PROVIDE CONTINUITY.



EXISTING FLOOR CONDITION AT NORTH FOUNDATION WALL  
1" = 1'-0"

EXISTING FLOOR CONDITION AT EAST FOUNDATION WALL  
1" = 1'-0"



DEMOLITION FLOOR PLAN  
1/8" = 1'-0"

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## DEMOLITION PLAN

CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

Project Description:

Rev	Description	Date	By
100 % CONSTRUCTION DOCUMENTS		07/13/12	

Project Mgr: MRF  
Issued For Construction:

Project Mgr: MAR  
Issued for Bidding:

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Sheet No: **AD1.1**

Project No: 11176-01

## GENERAL CODE REVIEW

GOVERNING CODE: IBC 2009  
IFC 2009

MIXED OCCUPANCY  
NON-SEPARATED PER SECTION 508 WITH AREA INCREASE PER SECTION 506.

OCCUPANCY GROUPS (W/ FLOOR AREAS):

PROPOSED OFFICES = B (BUSINESS); 2,310 S.F.

PROPOSED TOTAL AREA (WITHIN SURROUNDING EXTERIOR WALLS); 2,310 S.F.

TYPE OF CONSTRUCTION  
TYPE V-B (TABLE 601)  
0 HR FIRE RATING FOR ALL BUILDING ELEMENTS

ALLOWABLE HEIGHTS & AREAS  
TYPE V-B (TABLE 503)  
MOST RESTRICTIVE: GROUP A-3 - (1 STORY), 6,000 S.F.

FIRE RATED CONSTRUCTION  
CORRIDOR FIRE PARTITIONS REQUIRED PER SECTION 709 IN ACCORDANCE WITH SECTION 1018.1

MEANS OF EGRESS  
PROPOSED DESIGN OCCUPANT LOAD (TABLE 1004.1.1)  
B (BUSINESS): 2,310 S.F. / 100 S.F. / OCCUPANT GROSS = 24 OCCUPANTS  
TOTAL MAX. ALLOWABLE OCCUPANTS: 24

EXIT ACCESS (IBC SECTION 1021)  
B (BUSINESS): (2) EXITS REQUIRED PER SECTION 1015.1

MAXIMUM TRAVEL DISTANCE TO EXIT (TABLE 1016.1)  
B (BUSINESS) WITHOUT AUTOMATIC SPRINKLER SYSTEM = 200FT

## CODE PLAN LEGEND

- 1 HOUR FIRE PARTITION
- ① # OF OCCUPANTS TO MEANS OF EGRESS
- FEC FIRE EXTINGUISHER AND CABINET

## GENERAL PLAN NOTES:

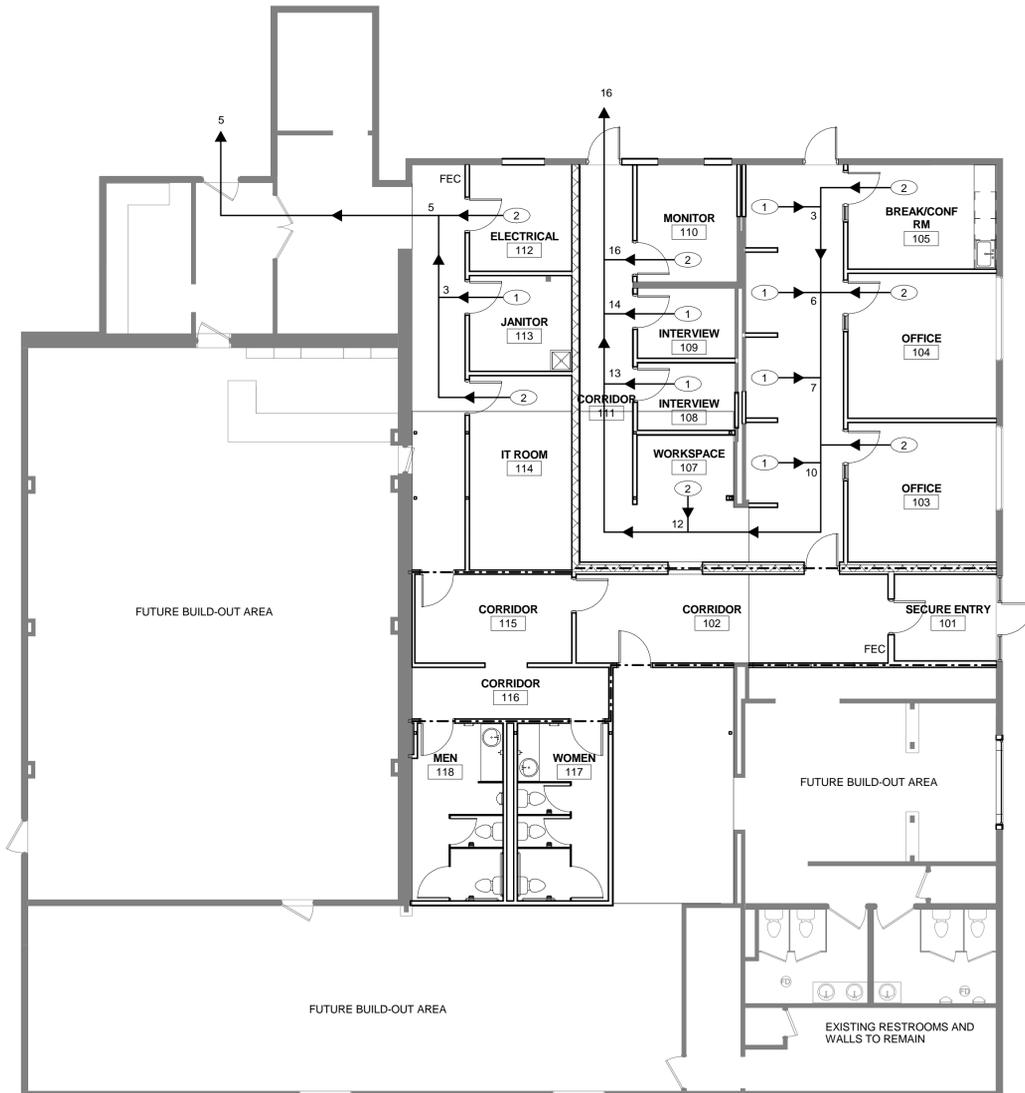
1. INTERIOR WALLS ARE DIMENSIONED TO CENTER OF FRAMING U.N.O.
2. EXTERIOR WALLS ARE DIMENSIONED TO OUTSIDE FACE OF BRICK AND OUTSIDE FACE OF PLYWOOD AT WOOD FRAMED EXTERIOR WALLS.
3. OFFSET HINGED SIDE OF DOOR R.O. 4 1/2" FROM ADJACENT WALL UNLESS DIMENSIONED OTHERWISE ON PLAN.
4. CONTRACTOR SHALL PROVIDE BLOCKING IN FRAMED WALLS FOR SUPPORT OF WALL MOUNTED HARDWARE INDICATED.
5. CONTRACTOR SIZES INDICATED ARE NOMINAL. PROVIDE ACTUAL ROUGH OPENING REQUIRED FOR SPECIFIED UNITS.
6. UNLESS NOTED OTHERWISE, BOLD LINEWORK DENOTES WORK OF THIS CONTRACT, DASHED LINEWORK DENOTES EXISTING TO BE DEMOLISHED, AND FADED LINEWORK DENOTES EXISTING TO REMAIN.
7. ALL EXISTING CONSTRUCTION AND ITEMS TO REMAIN, INCLUDING BUT NOT LIMITED TO ITEMS INDICATED ON THESE DRAWINGS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE PROJECT. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED TO THE OWNER'S SATISFACTION.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND OBSERVE ALL EXISTING CONDITIONS BEFORE BIDDING THE PROJECT. CONTACT ENGINEER WITH ANY DISCREPANCIES. FAILURE TO DO SO DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT AS INTENDED.
9. PATCH EXISTING WALLS ADJACENT TO NEW OPENINGS BEING CUT IN EXISTING WALLS OR NEW WALLS TIEING INTO EXISTING WALLS.

## KEY NOTES:

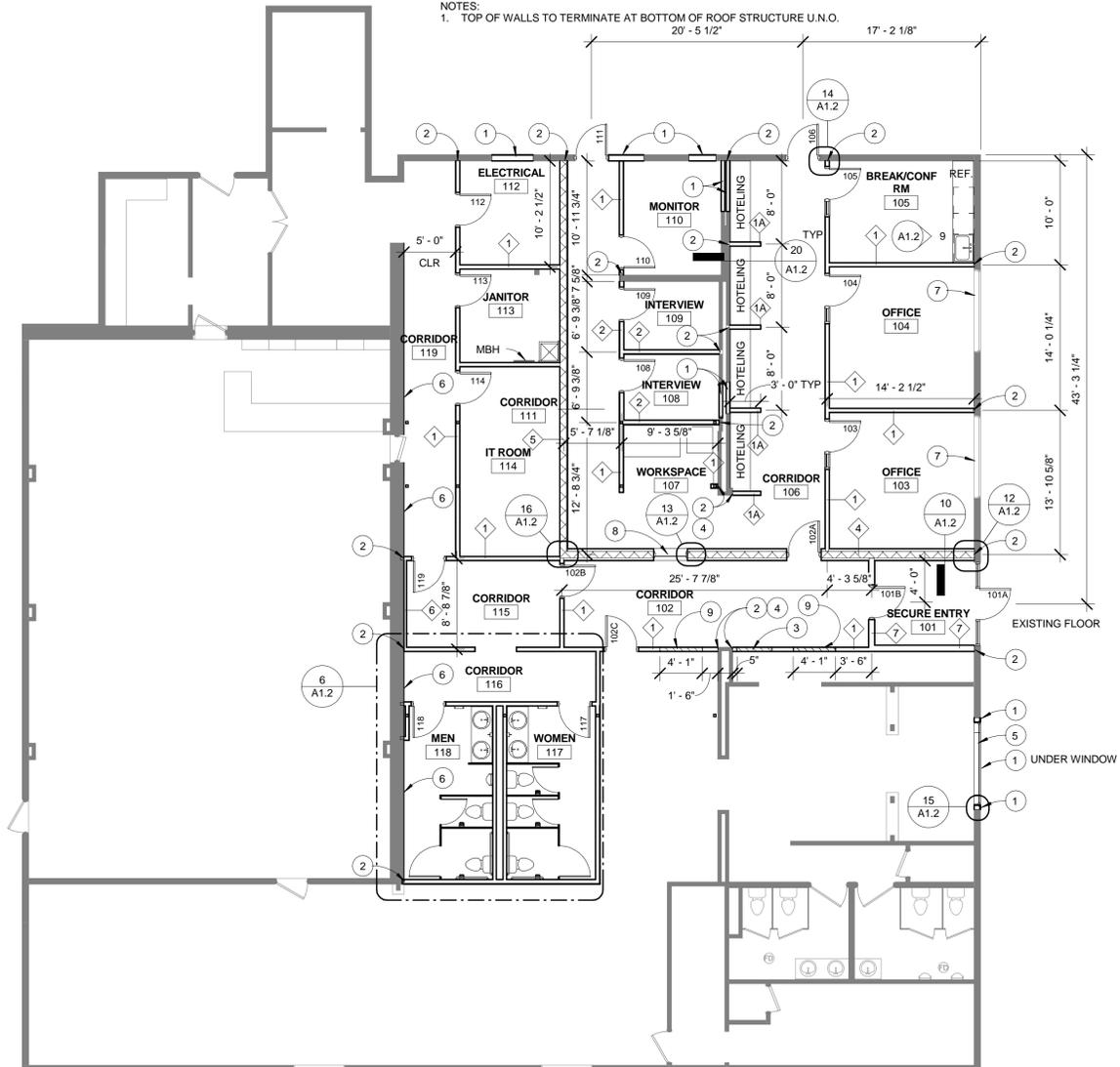
- ① INFILL EXISTING OPENING WITH STUD FRAMING AND FINISHES TO MATCH EXISTING ADJACENT.
- ② REMOVE EXISTING WALL FINISH DOWN TO FRAMING AND PROVIDE ADDITIONAL FRAMING FOR NEW WALL CONSTRUCTION. TIE-IN.
- ③ FRAME WALL FOR FUTURE REMOVABLE FOR FUTURE PHASE FRAME OPENING TO MATCH OPENING PROVIDED FOR DOOR 102C. PROVIDE SOFT JOINT AT EDGE OF FRAMING.
- ④ ALIGN EDGE OF NEW WALL CONSTRUCTION WITH EDGE OF EXISTING. FINISHED SURFACE TO BE FLUSH.
- ⑤ INSTALL SALVAGED WINDOW CENTERED IN EXISTING DOOR OPENING. ALIGN HEAD IN OPENING. PROVIDE SILL TO MATCH EXISTING ADJACENT WINDOWS.
- ⑥ INSTALL NEW 5/8" GYPSUM BOARD OVER EXISTING STUD - PAINT.
- ⑦ INSTALL SALVAGED MOLDING AROUND EXISTING WINDOW AFTER INSTALLATION OF GYPSUM BOARD.
- ⑧ BULLET RESISTANT TRANSACTION WINDOW. HEAD HEIGHT BE TO 7'-4" AFF.
- ⑨ FRAME WALL FOR FUTURE REMOVABLE FOR FUTURE PHASE FRAME OPENING TO MATCH HEAD OPENING PROVIDED FOR DOOR 102C. AND SILL TO BE AT 3'-0". PROVIDE SOFT JOINT AT EDGE OF FRAMING.

## WALL TYPE LEGEND

PLAN TAG	SECTION DETAIL	DESCRIPTION
1		362S137-33 METAL STUDS @ 16" OC W/ 5/8" TYPE "X" GYP BD ON BOTH SIDES. 3 1/2" THK BATT INSULATION.
1A		362S137-33 METAL STUDS @ 16" OC W/ 5/8" TYPE "X" GYP BD ON BOTH SIDES. NO BATT INSULATION.
2		362S137-33 METAL STUDS @ 24" OC WITH 5/8" TYPE "X" GYP BD ON ONE SIDE AND HORIZ RESILIENT CHANNEL @ 24" OC AND 5/8" TYPE "X" GYP BD ON THE OTHER SIDE. 3 1/2" THK BATT INSULATION.
3		362S137-33 METAL STUDS @ 16" OC WITH 5/8" TYPE "X" GYP BD ON FINISHED SIDE. NO BATT INSULATION.
4		8" CMU BLOCK WITH 250S137-33 METAL STUDS @ 16" OC AND 5/8" TYPE "X" GYPSUM BOARD ON BOTH SIDES. 2 1/2" THK BATT INSULATION. GROUT SOLID @ 32" OC.
5		8" CMU BLOCK WITH 7/8" HAT CHANNEL @ 16" OC AND 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE. GROUT SOLID @ 32" OC.
6		250S137-33 METAL STUDS @ 16" OC WITH 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE. 2 1/2" THK BATT INSULATION.
7		600S162-33 METAL STUDS @ 6" OC WITH 5/8" TYPE "X" GYPSUM BOARD ON BOTH SIDES. 6" THK BATT INSULATION.



NORTH  
CODE PLAN  
1/8" = 1'-0"



NORTH  
FLOOR PLAN  
1/8" = 1'-0"

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**FLOOR PLAN**  
CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

Drawing Issue Information:	Project Description:
Project Mgr: MRF	100% CONSTRUCTION DOCUMENTS
Issued For Bidding:	Date
	07/13/12
Rev	Description

Sheet No: **A1.1**  
Project No: 11176-01





DOOR SCHEDULE - PHASE 1										
TAG	DOOR					FRAME		HARDWARE	NOTES	
	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	GLAZING	FIRE RATING			TYPE
101A	3'-0"	7'-0"	0'-1 3/4"	C	ALUM	GL-1	--	3	ALUM	1
101B	3'-0"	7'-0"	0'-1 3/4"	B	WD	GL-4	--	1	HM	3
102A	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	20	1	HM	4
102B	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	4
102C	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	20	1	HM	8
103	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	2	HM	7
104	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	2	HM	7
105	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	2	HM	5
106	3'-0"	7'-0"	0'-1 3/4"	A	HM	--	--	1	HM	2
108	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	5
109	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	5
110	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	6
111	3'-0"	7'-0"	0'-1 3/4"	A	HM	--	--	1	HM	2
112	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	6
113	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	6
114	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	--	1	HM	6
117	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	20	1	HM	5
118	3'-0"	7'-0"	0'-1 3/4"	A	WD	--	20	1	HM	5
119	3'-0"	7'-0"	0'-1 3/4"	B	WD	GL-3	20	1	HM	3

### DOOR SCHEDULE NOTES:

- INSTALL MIRROR FINISH ON SECURE ENTRY 101 SIDE

#### GLAZING TYPES:

- GL-1: 1" INSULATED TEMPERED-TINT
- GL-2: 1/4" TEMPERED-CLEAR
- GL-3: 1/4" FIRE RATED GLASS
- GL-4: 1/4" MIRRORING GLASS

ROOM FINISH SCHEDULE - PHASE 1						
Number	Name	Floor Finish		Wall Finish	Ceiling Finish	Notes
		Base	P-4			
101	SECURE ENTRY	PT-1	B-1	P-4	GB	
102	CORRIDOR	PT-1	B-2,3	P-3	GB	
103	OFFICE	CPT-1	B-1	P-2	GB	2
104	OFFICE	CPT-1	B-1	P-2	GB	2
105	BREAK/CONF RM	VCT-1	B-1	P-2	GB	2
106	CORRIDOR	PT-1	B-2,3	P-3,4	GB	2
107	WORKSPACE	PT-1	B-1	P-3	GB	
108	INTERVIEW	CPT-1	B-1	P-3	GB	
109	INTERVIEW	CPT-1	B-1	P-3	GB	
110	MONITOR	CPT-1	B-1	P-2	GB	2
111	CORRIDOR	CPT-1	B-1	P-3	GB	2
112	ELECTRICAL	SC	--	P-3	GB	2
113	JANITOR	SC	--	P-3	GB	3,4
114	IT ROOM	EX	EX	P-3	GB	
115	CORRIDOR	PT-1	B-2,3	P-3	GB	
116	CORRIDOR	PT-1	B-2,3	P-3	GB	
117	WOMEN	PT-1	B-2,3	P-4/PT-2,3	GB	1,3
118	MEN	PT-1	B-2,3	P-4/PT-2,3	GB	1,3
119	CORRIDOR	SC	--	P-3	GB	

### ROOM FINISH NOTES:

- PROVIDE CT WAINSCOT TO 4'-0" ABOVE FINISHED FLOOR- PAINT WALL ABOVE.
- INSTALL LAYER OF 5/8" GYPSUM BOARD OVER EXISTING PERIMETER WALL FRAMING.
- PROVIDE MOISTURE RESISTANT GYPSUM BOARD FOR ALL EXPOSED WALLS.
- PROVIDE 4"X8" FRP FROM CORNER AT MOP SINK- BOTH DIRECTIONS.

#### FINISH ABBREVIATION KEY:

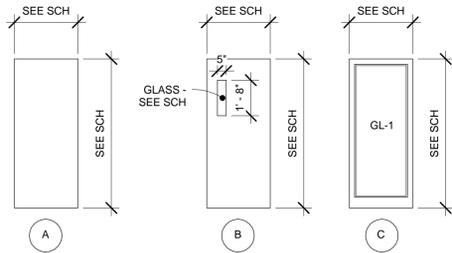
FLOORING:	PORCELAIN TILE BASE	WALLS:	GYP BD	CEILINGS:	GYP BD- PAINTED
B-X	VINYL BASE	GB	P-X	GB	
CPT-X	CARPET TILE			GENERAL:	EXISTING
PT-X	PORCELAIN TILE			EX	
SC	SEALED CONCRETE				
VCT-X	VINYL COMPOSITE TILE				

### INTERIOR FINISH KEY

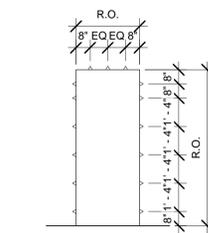
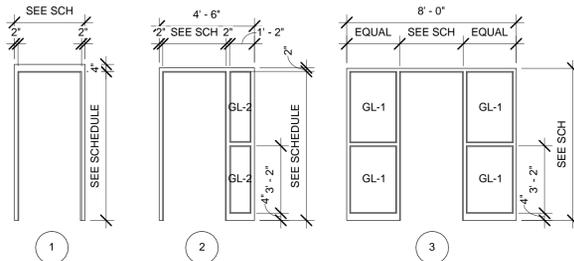
ITEM	CODE	MANUFACTURER	SERIES	COLOR	SIZE/INSTALL	NOTES	MANUFACTURER REP:
CARPET TILE 1	CPT-1	SHAW CONTRACT	GLIMMER TILE	27761 GLOSS	INSTALL TILE MONOLITHIC	QUICK SHIP CARPET TILE	JOE HILL (608)469-6851
VINYL BASE 1	B-1	JOHNSONITE		168 THUNDER	4" COVE WALL BASE		
PORCELAIN TILE BASE 2	B-2	BACK BAY COLLECTION (RBC TILE)	REFLEX (MADE IN USA)	YEMEN 1094208	6"X12" COVE BASE	WALL BASE TILE (CORRIDOR AND RESTROOM BASE)	CHRIS DAHMS (515)249-4204
PORCELAIN TILE BASE 3	B-3	BACK BAY COLLECTION (RBC TILE)	REFLEX	YEMEN 1094211	1"X6" INSIDE CORNER TILE	WALL BASE INSIDE CORNER TILE (CORRIDOR AND RESTROOM BASE)	CHRIS DAHMS (515)249-4204
PORCELAIN TILE 1	PT-1	BACK BAY COLLECTION (RBC TILE)	REFLEX	YEMEN 1093557	12"X24" FLOOR TILE	INSTALL TILE 1/3 OFFSET PATTERN, MAPEI GROUT COLOR: 07 CHOCOLATE	CHRIS DAHMS (515)249-4204
PORCELAIN TILE 2	PT-2	BACK BAY COLLECTION (RBC TILE)	REFLEX	YEMEN 1093558	3"X12" BULLNOSE TILE	RESTROOM WALL TILE, BULLNOSE TOP, MAPEI GROUT COLOR: 07 CHOCOLATE	CHRIS DAHMS (515)249-4204
PORCELAIN TILE 3	PT-3	BACK BAY COLLECTION (RBC TILE)	REFLEX	YEMEN 1093555	12"X12" WALL TILE	RESTROOM WALL TILE, INSTALL OFFSET PATTERN, MAPEI GROUT COLOR: 07 CHOCOLATE	CHRIS DAHMS (515)249-4204
VCT FLOOR	VCT-1	ARMSTRONG	IMPERIAL TEXTURE STANDARD EXCELO	EARTHSTONE GREIGE			
PAINT 1	P-1	SHERWIN WILLIAMS	SW 7062	ROCK BOTTOM		METAL FRAME COLOR	
PAINT 2	P-2	SHERWIN WILLIAMS	SW 6142	MACADAMIA		OFFICES, BREAKROOM, MONITOR	
PAINT 3	P-3	SHERWIN WILLIAMS	SW 6141	SOFTER TAN		CORRIDORS, WORKSPACES, RESTROOM, INTERVIEW ROOMS, JANITOR, ELECTRICAL, IT	
PAINT 4	P-4	SHERWIN WILLIAMS	SW 7074	SOFTWARE		HOTELING WALL (ACCENT), SECURE ENTRY	
SOLID SURFACE	SS-1	WILSONART SOLID SURFACE	1572SL (1)	ANTIQUE WHITE		RESTROOM COUNTERTOPS	
PLASTIC LAMINATE 1	PLAM-1	FORMICA	3517-58	SAND CRYSTAL MATTE		COUNTERTOPS	
PLASTIC LAMINATE 2	PLAM-2	WILSONART	4876-38	SHEER MESH		BASE AND WALL CABINETS	

GENERAL NOTES:  
1. ALL TILE TO BE INSTALLED WITH 1/8" GROUT JOINT & INSTALLED 1/3 OFFSET PATTERN FOR ALL TILES. SEE DETAILS FOR WALL TILE AT TOILETS. LAY SO THAT LONG DIMENSION OF FLOOR TILES IS CONSISTENT WITH LONG DIMENSION OF WALL TILES.

#### DOOR TYPES



#### FRAME TYPES



11 HM FRAME ANCHOR SPACING  
1/4" = 1'-0"

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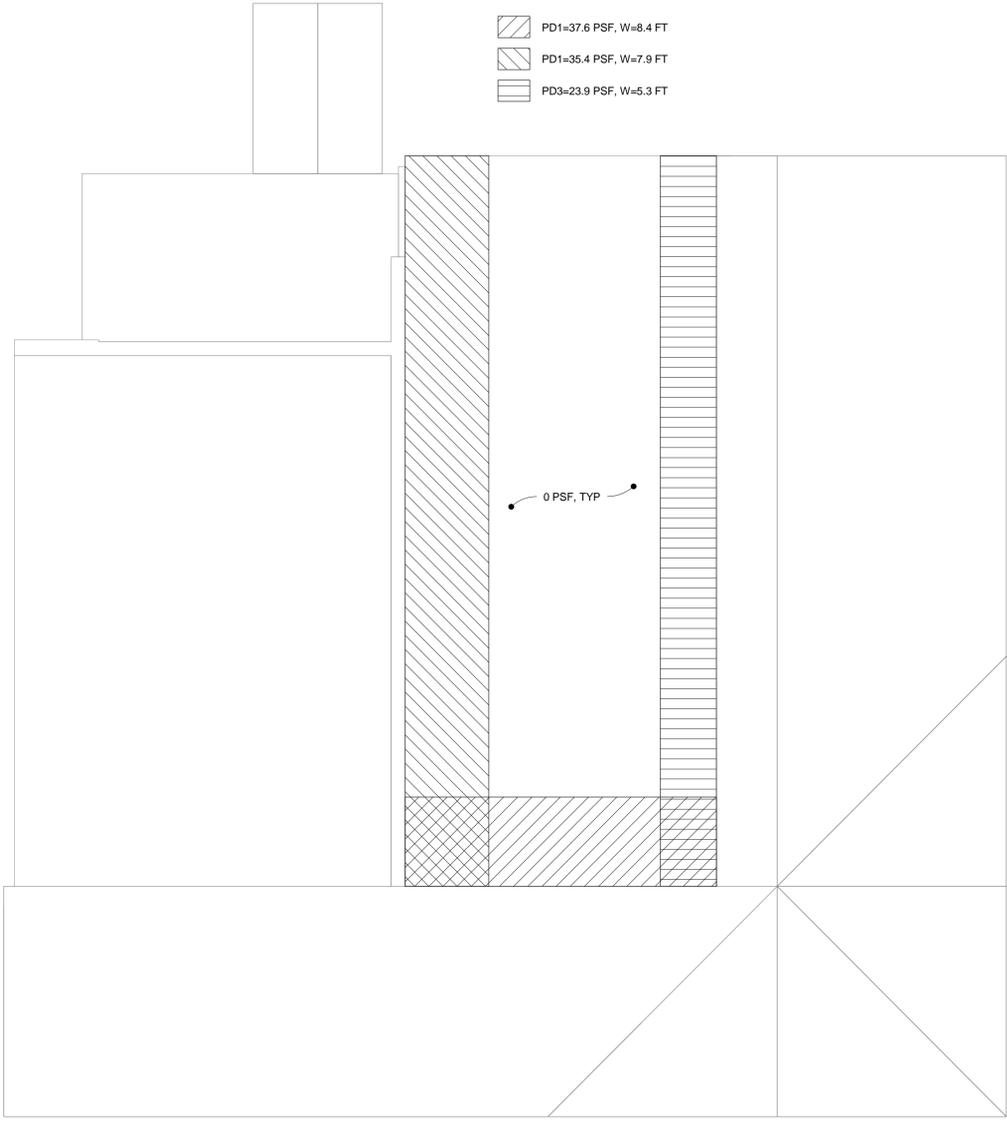
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**DOOR AND FINISH SCHEDULES, DOOR AND FRAME ELEVATIONS**  
 CLINTON COUNTY GOVERNMENT  
 DEWITT ANNEX - 2012 RENOVATIONS  
 226 11TH STREET  
 DEWITT, IOWA

Rev	Date	Description
100 % CONSTRUCTION DOCUMENTS	07/13/12	

Sheet No: **A8.1**  
Project No: 11176-01

Project Description:	CLINTON COUNTY GOVERNMENT DEWITT ANNEX - 2012 RENOVATIONS
Project Mgr:	MRF
Drawn By:	MRF
Issued For:	Bidding
Date:	07/13/12
Rev:	100 % CONSTRUCTION DOCUMENTS



SNOW DRIFT PLAN FOR ARES REQUIRING STRUCTURAL EVALUATION  
 1/8" = 1'-0"

- STRUCTURAL DESIGN CRITERIA**
- A. BUILDING CODES.
- GOVERNING BUILDING CODE: 2009 INTERNATIONAL BUILDING CODE.
  - REFERENCED CODES:
    - ASCE 7-05 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.
    - OCCUPANCY CATEGORY: II
    - EXPOSURE CATEGORY: C
- B. DEAD LOADS.
- ROOF JOIST UPPER CHORD UNIFORM DEAD: 10 PSF.
  - ROOF JOIST LOWER CHORD UNIFORM DEAD: 5 PSF.
- C. LIVE LOADS.
- UNIFORM ROOF LIVE: 20 PSF
  - UNIFORM FLOOR LIVE:
    - OFFICES: 50 PSF
    - LOBBY - 1ST FLOOR CORRIDORS: 100 PSF
- D. SNOW LOADS:
- GROUND SNOW LOAD: 25 PSF.
  - SNOW IMPORTANCE FACTOR, IS: 1.0, CATEGORY II
  - SNOW EXPOSURE FACTOR, CE: 1.0, PARTIALLY EXPOSED.
  - THERMAL FACTOR, CT: 1.1, VENTILATED ROOF SPACE
  - ROOF SLOPE FACTOR: 1.0
  - DRIFT LOAD: SEE SNOW DRIFT PLAN.
- E. WIND LOADS
- ANALYSIS PROCEDURE: ASCE 7-05 SECTION 6.5 METHOD 2 - ANALYTICAL PROCEDURE.
  - BASIC WIND SPEED (3 SECOND GUST): 90 MPH.
  - WIND IMPORTANCE FACTOR, IW: 1.00, CATEGORY II
  - TOPOGRAPHIC FACTOR: 1.0
  - INTERNAL PRESSURE COEFFICIENT: ±0.18, ENCLOSED COMPONENTS AND CLADDING PRESSURES.

ROOF PRESSURES		A<5 S.F.	50 S.F.	100 S.F.<A
NEGATIVE PRESSURES	ZONE 1	-18 PSF	-17 PSF	-16 PSF
	ZONE 2	-30 PSF	-22 PSF	-19 PSF
	ZONE 3	-45 PSF	-27 PSF	-19 PSF
POSITIVE PRESSURES	ZONE 1	10 PSF	10 PSF	10 PSF

INTERPOLATION FOR EFFECTIVE WIND AREAS BETWEEN THOSE SHOWN IS PERMITTED. OTHERWISE USE PRESSURE FOR SMALLER EFFECTIVE WIND AREA.

- SECTION 312000 - EARTHWORK FOR STRUCTURE
- A. EARTHWORK FOR STRUCTURES SHALL COMPLY WITH THE FOLLOWING:
- COMPLY WITH APPLICABLE PROVISIONS OF THE FOLLOWING SPECIFICATIONS AND DOCUMENTS:
    - OSHA 29 CFR, PART 1926, SUBPART P
  - MATERIAL PROPERTIES:
    - SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, GC, SW, SP, SM, SC, CL, ML, OR A COMBINATION OF THESE GROUPS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSIONS, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER; LIQUID LIMIT LESS THAN 45; AND A MAXIMUM PLASTICITY INDEX OF 20.
    - UNSATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATIONS GROUPS OL, CH, MH, OH, AND PT, OR A COMBINATION OF THESE GROUPS; OR SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPACTION.
  - ENGINEERED FILL: IOWA DOT SECTION 4132, SPECIAL BACKFILL, GRADATION 30.
  - PROTECT STRUCTURES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, AND OTHER HAZARDS CAUSED BY EARTHWORK OPERATIONS.
  - PLACE AND COMPACT FILL:
    - UNDER BUILDING SLABS, FOOTINGS, AND FOUNDATIONS: ENGINEERED FILL.
  - EXCAVATIONS SHALL COMPLY WITH THE FOLLOWING:
    - EXCAVATE TO DIMENSIONS AND ELEVATIONS INDICATED.
    - FOOTINGS AND FOUNDATIONS: EXCAVATE BY HAND TO FINAL GRADE AND COMPACT SOIL AT BEARING SURFACE PRIOR TO PLACING FOOTINGS TO FIRM UP ALL LOOSE MATERIAL FROM EXCAVATION, FORMING, ETC.
  - PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 9 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
  - PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE.
  - PLACE AND COMPACT FINAL BACKFILL TO FINAL SUBGRADE ELEVATION USING THE FOLLOWING MATERIALS:
    - BUILDING SLABS, FOOTINGS AND GRADE BEAMS: ENGINEERED FILL.
  - CONTRACTOR SHALL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.
    - VERIFICATION AND INSPECTION OF SOILS REQUIREMENTS ARE INDICATED ON THE DRAWINGS.
    - COMPACT ENGINEERED FILL UNDER SLABS AND GRADE BEAMS TO NOT LESS THAN 98% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO STANDARD PROCTOR COMPACTION TEST (ASTM D698).
  - WHERE SETTLING OCCURS BEFORE PROJECT CORRECTION PERIOD ELAPSES, REMOVE FINISHED SURFACING, BACKFILL WITH ADDITIONAL SOIL MATERIAL, COMPACT, AND RECONSTRUCT SURFACE.
  - LEGALLY DISPOSE OF SURPLUS SOIL MATERIAL AND WASTE MATERIALS OFF OWNER'S PROPERTY.

**EMBEDMENT REQUIREMENTS**

EXPANSION ANCHOR EMBEDMENTS				SLEEVE ANCHOR EMBEDMENTS		HILTI HIT-HY 150 ADHESIVE ANCHORING SYSTEM				HILTI HIT-HY 250 ADHESIVE ANCHORING SYSTEM		
ANCHOR SIZE	MIN. EMBED	STD. EMBED	MAX. EMBED	ANCHOR SIZE	STD. EMBED	BAR SIZE	MIN. EMBED	STD. EMBED	MAX. EMBED	HAS - E ROD	MIN. EMBED	STD. EMBED
3/8" Ø	1 5/8"	2 1/2"	N/A	3/8" Ø	1 1/4"	#4	2"	4"	8"	1/2" Ø	6"	10"
1/2" Ø	2 1/4"	3 1/2"	4 3/4"									

EMBEDMENT DEPTHS SHOWN ARE BASED UPON REFERENCE PRODUCT HILTI KWIK BOLT 3.

SUBSTITUTIONS SHALL BE APPROVED BY ENGINEER PRIOR TO USE.

EMBEDMENT DEPTHS SHOWN ARE BASED UPON REFERENCE PRODUCT HILTI HLC SLEEVE ANCHORS.

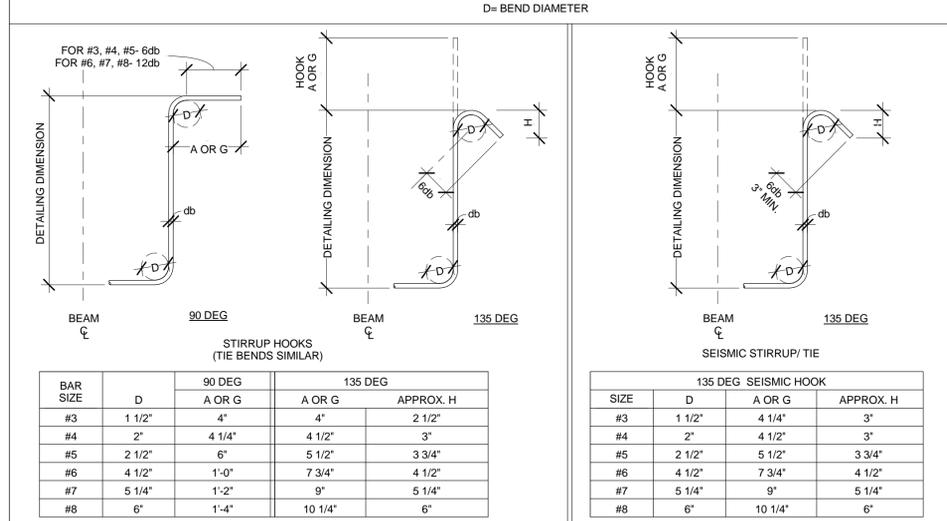
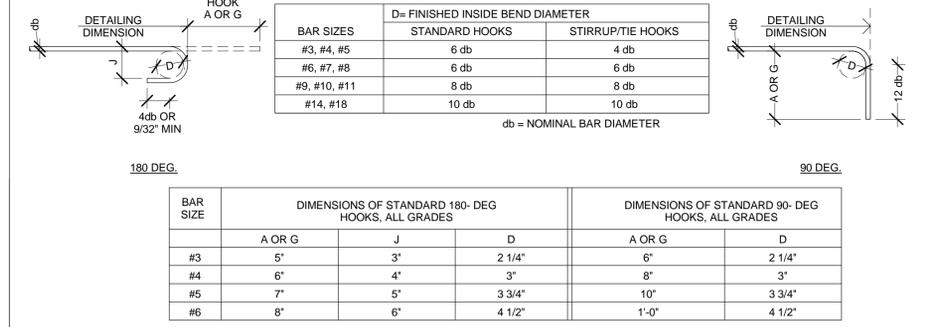
SUBSTITUTIONS SHALL BE APPROVED BY ENGINEER PRIOR TO USE.

IF TEMPERATURE AT TIME OF INSTALLATION IS LESS THAN 40 DEGREES F. USE HIT-ICE IN LIEU OF HIT-HY 150

SUBSTITUTIONS SHALL BE APPROVED BY ENGINEER PRIOR TO USE.

SUBSTITUTIONS SHALL BE APPROVED BY ENGINEER PRIOR TO USE.

**STANDARD HOOK DETAILS**



REINFORCING STEEL LAPS  
 MAINTAIN CONTINUITY OF REINFORCING WITH STAGGERED LAP SPLICES. REFER TO THE TYPICAL CORNER REINFORCING, WALL AND FOOTING STEP DETAILS. REINFORCING LAP SPLICES SHALL BE IN ACCORDANCE WITH THE CHART BELOW. SPLICE LENGTHS ARE SPECIFIED IN INCHES.

CONCRETE STRENGTH	SPLICE TYPE	#4	#5	#6	#7	#8	#9
3000 PSI	CLASS A TOP	29	36	43	63	72	81
	CLASS A	22	28	33	48	55	62
	CLASS B TOP	38	47	56	81	93	105
	CLASS B	29	36	43	63	72	81

- DEFINITION OF USE:  
 CLASS A: SLAB REINFORCEMENT  
 CLASS B: ALL OTHER CONCRETE AND MASONRY REINFORCING
- BAR SPACING AND BAR CLEAR COVER MUST SATISFY ONE OR BOTH OF THE FOLLOWING REQUIREMENTS:
    - CLEAR SPACING BETWEEN SPLICED BARS MUST NOT BE LESS THAN THE DIAMETER OF THE BAR BEING SPLICED. THE CLEAR COVER TO THE SPLICED BARS MUST NOT BE LESS THAN THE DIAMETER OF THE BAR, AND CODE REQUIRED STIRRUPS OR TIES MUST BE PLACED THROUGHOUT THE SPLICE LENGTH.
    - CLEAR SPACING BETWEEN SPLICED BARS MUST NOT BE LESS THAN TWO TIMES THE DIAMETER OF THE BAR.
  - HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF FRESH CONCRETE BELOW SHALL BE CONSIDERED AS TOP BARS, EXCEPT WALL REINFORCING.
  - THESE SPLICE LENGTHS HAVE BEEN DEVELOPED SPECIFICALLY FOR THE CONDITIONS OF THE PROJECT IN ACCORDANCE WITH ACI 318-95 SECTIONS 12.2 AND 12.15 AND SHALL BE USED FOR THIS PROJECT ONLY.
  - HORIZONTAL REINFORCEMENT SPLICES SHALL BE STAGGERED A MINIMUM OF 4'-0"
  - CHART APPLIES TO ASTM A615, GRADE 60 REINFORCING ONLY.

**SPECIAL INSPECTION:**

- ELEMENTS OF CONSTRUCTION REFERENCED ON THIS SHEET SHALL REQUIRE SPECIAL INSPECTION PER IBC 2009 SECTION 1704.
- SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY/COUNTY INSPECTOR. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY/COUNTY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
  - THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE CITY/COUNTY TO PERFORM THE TYPES OF INSPECTION SPECIFIED.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
  - SUBMIT WRITTEN REPORTS WITHIN TWO DAYS OF TESTING TO ENGINEER OF RECORD.

**TABLE 1704.3  
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	×	APPLICABLE ASTM MATERIAL SPECIFICATION; AISC 360, SECTION A3.3	—
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	×	—	—
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
a. SNUG-TIGHT JOINTS.	—	×	AISC 360, SECTION M2.5	1704.3.3
b. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCH-MARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	—	×		
c. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCH-MARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	×	—		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
a. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	—	×	AISC 360, SECTION M5.5	—
b. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	×	APPLICABLE ASTM MATERIAL STANDARDS	—
c. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	—	×	—	—
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	×	AISC 360 SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	—
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	×	—	—
5. INSPECTION OF WELDING:				
a. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
1). COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	×	—	AWS D1.1	1704.3.1
2). MULTIPASS FILLET WELDS.	×	—		
3). SINGLE-PASS FILLET WELDS > 5/16"	×	—		
4). PLUG AND SLOT WELDS.	×	—		
5). SINGLE-PASS FILLET WELDS ≤ 5/16"	—	×		
6). FLOOR AND DECK WELDS.	—	×		
b. REINFORCING STEEL:				
1). VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	—	×	AWS D1.4 ACI 318: SECTION 3.5.2	—
2). REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCING	×	—		
3). SHEAR REINFORCEMENT.	×	—		
4). OTHER REINFORCING STEEL.	—	×		
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:				
a. DETAILS SUCH AS BRACING AND STIFFENING.	—	×	—	1704.3.2
b. MEMBER LOCATIONS.	—	×		
c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	—	×		

**TABLE 1704.4  
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	—	×	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	×	—	ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	—	×	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	—	×	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	×	—	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	×	—	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8. INSPECTION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	—	×	ACI 318: 5.11-5.13	1913.9
9. INSPECTION OF PRESTRESSED CONCRETE: a. APPLICATION OF PRESTRESSING FORCES. b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	×	×	ACI 318: 18.20 ACI 318: 18.18.4	—
10. ERECTION OF PRECAST CONCRETE MEMBERS.	—	×	ACI 318: Ch. 16	—
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	—	×	ACI 318: 6.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	×	ACI 318: 6.1.1	—

**TABLE 1704.5.1  
MASONRY CONSTRUCTION LEVEL 1 SPECIAL INSPECTION**

INSPECTION TASK	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	ACI 530/ASCE 5a/TMS 402	ACI 530.1/ASCE 6a/TMS 602
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	—	×	—	—	ART. 1.5
2. VERIFICATION OF f <sub>m</sub> AND f <sub>ac</sub> PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	—	×	—	—	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT	×	—	—	—	ART. 1.5B.1.b.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
a. PROPORTIONS OF SITE-PREPARED MORTAR.	—	×	—	—	ART. 2.6A
b. CONSTRUCTION OF MORTAR JOINTS.	—	×	—	—	ART. 3.3B
c. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	—	×	—	—	ART. 3.4, 3.6A
d. PRESTRESSING TECHNIQUE.	—	×	—	—	ART. 3.6B
e. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	—	×	—	—	ART. 2.4B, 2.4H
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:					
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	—	×	—	—	ART. 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	—	×	—	SEC. 1.2.2(e), 1.16.1	—
c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	—	×	—	SEC. 1.15	ART. 2.4, 3.4
d. WELDING OF REINFORCING BARS.	×	—	—	SEC. 2.1.10.7.2, 3.3.3.4(b)	—
e. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG. F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG. F)	—	×	SEC. 2104.3, 2104.4	—	ART. 1.8C, 1.8D
f. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	×	—	—	—	ART. 3.6B
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
a. GROUT SPACE IS CLEAN.	—	×	—	—	ART. 3.2D
b. PLACEMENT OF REINFORCEMENT AND CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.	—	×	—	SEC. 1.13	ART. 3.4
c. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	—	×	—	—	ART. 2.6B
d. CONSTRUCTION OF MORTAR JOINTS.	—	×	—	—	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE	×	—	—	—	ART. 3.5
a. GROUTING OF PRESTRESSING BONDED TENDONS.	×	—	—	—	ART. 3.6C
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MOTOR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	—	×	SEC. 2105.2.2, 2105.3	—	ART. 1.4

**TABLE 1704.7  
REQUIRED VERIFICATION AND INSPECTION OF SOILS**

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	—	×
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	—	×
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	—	×
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	×	—
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	—	×

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SPECIAL INSPECTION TABLES

CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

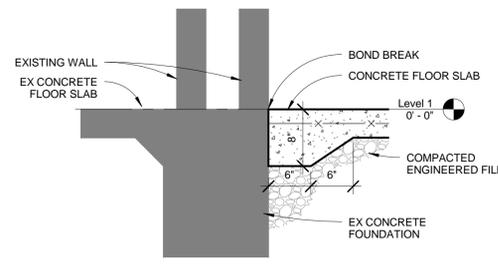
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Rev	Description	Date	By
100 % CONSTRUCTION DOCUMENTS		07/13/12	

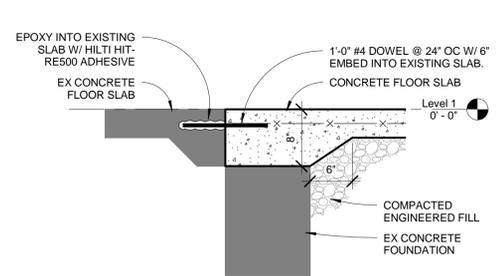
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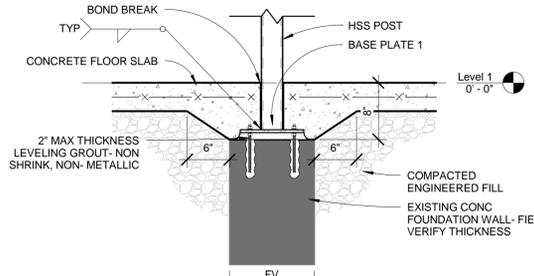
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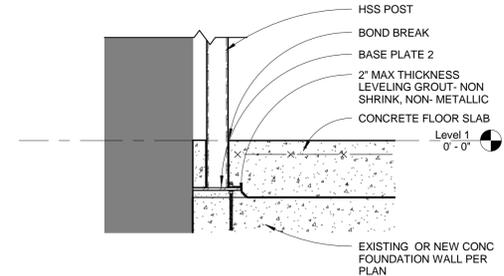
1 CONCRETE SLAB AT EXISTING WALL  
1" = 1'-0"



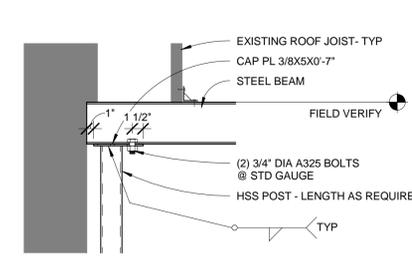
2 CONCRETE SLAB AT EXISTING SLAB  
1" = 1'-0"



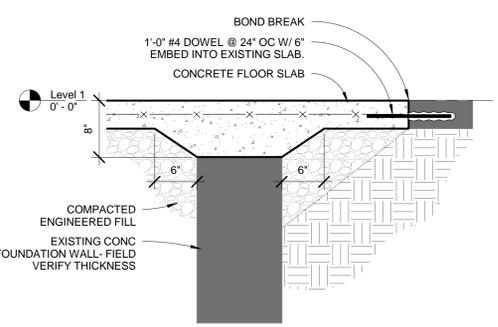
3 TYPICAL POST ANCHORAGE AT EX FDN  
1" = 1'-0"



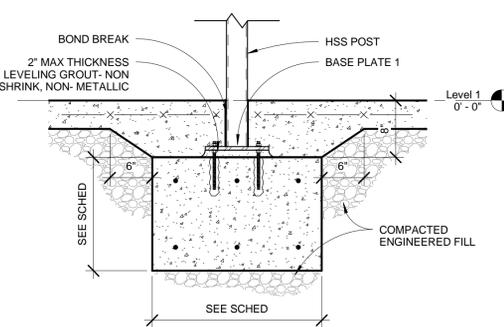
4 COLUMN BASE PLATE AT EXISTING WALL  
1" = 1'-0"



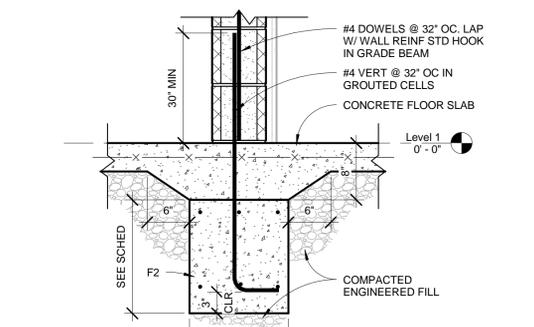
5 STEEL BEAM/POST AT EXISTING WALL  
1" = 1'-0"



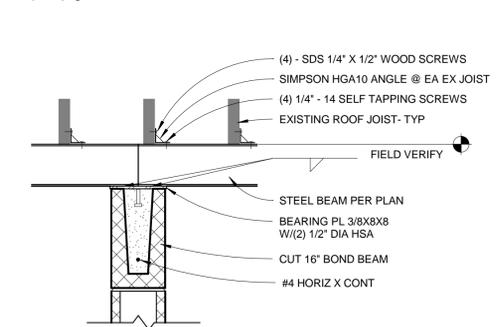
6 CONCRETE SLAB AT EX FDN WALL  
1" = 1'-0"



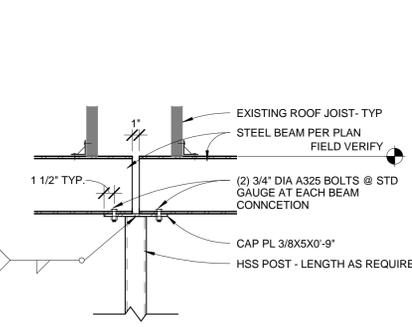
7 TYPICAL POST BASE PLATE DETAIL  
1" = 1'-0"



8 TYPICAL CMU WALL ANCHORAGE  
1" = 1'-0"

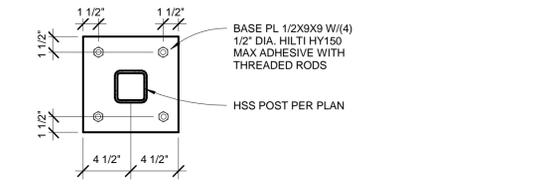


9 STEEL BEAM BEARING AT CMU WALL  
1" = 1'-0"

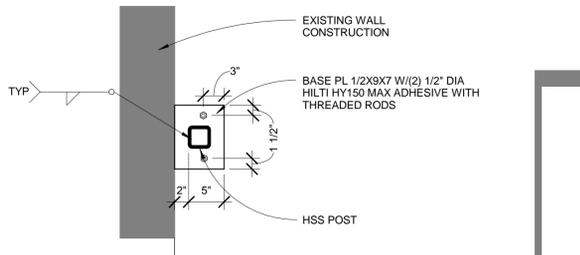


10 STEEL BEAM/POST CONNECTION  
1" = 1'-0"

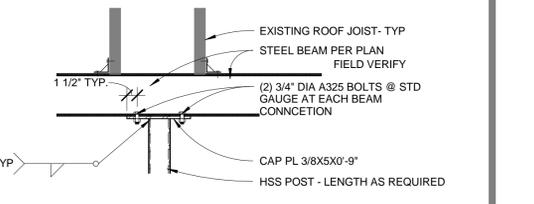
FOOTING	DEPTH	WIDTH	T/FOOTING	LONGITUDINAL STEEL
F1	1'-4"	2'-0"	-0'-8"	(3) #5 TOP & BOT CONT.
F2	1'-4"	1'-4"	-0'-8"	(3) #4 TOP & BOT CONT.



13 BASE PLATE 1  
1 1/2" = 1'-0"

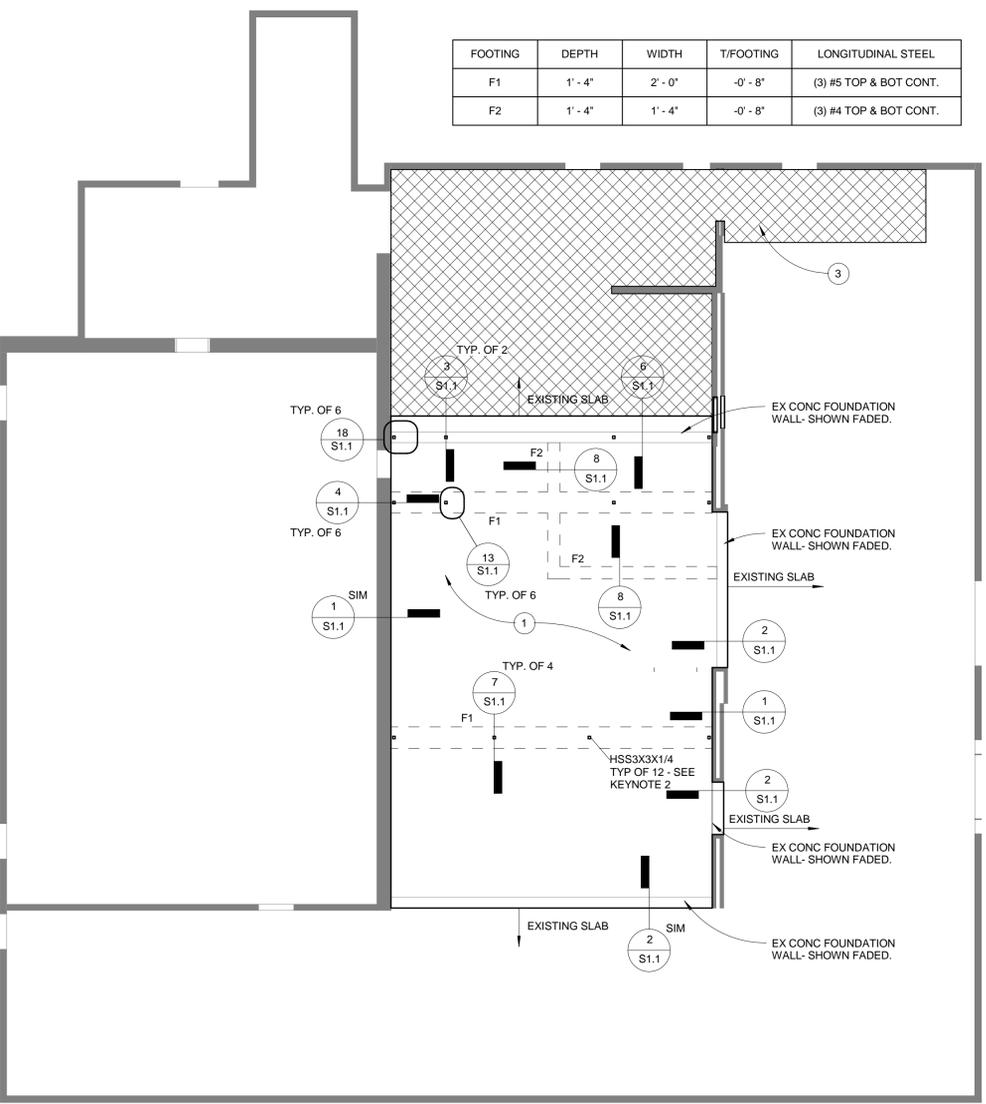


18 BASE PLATE 2  
1" = 1'-0"

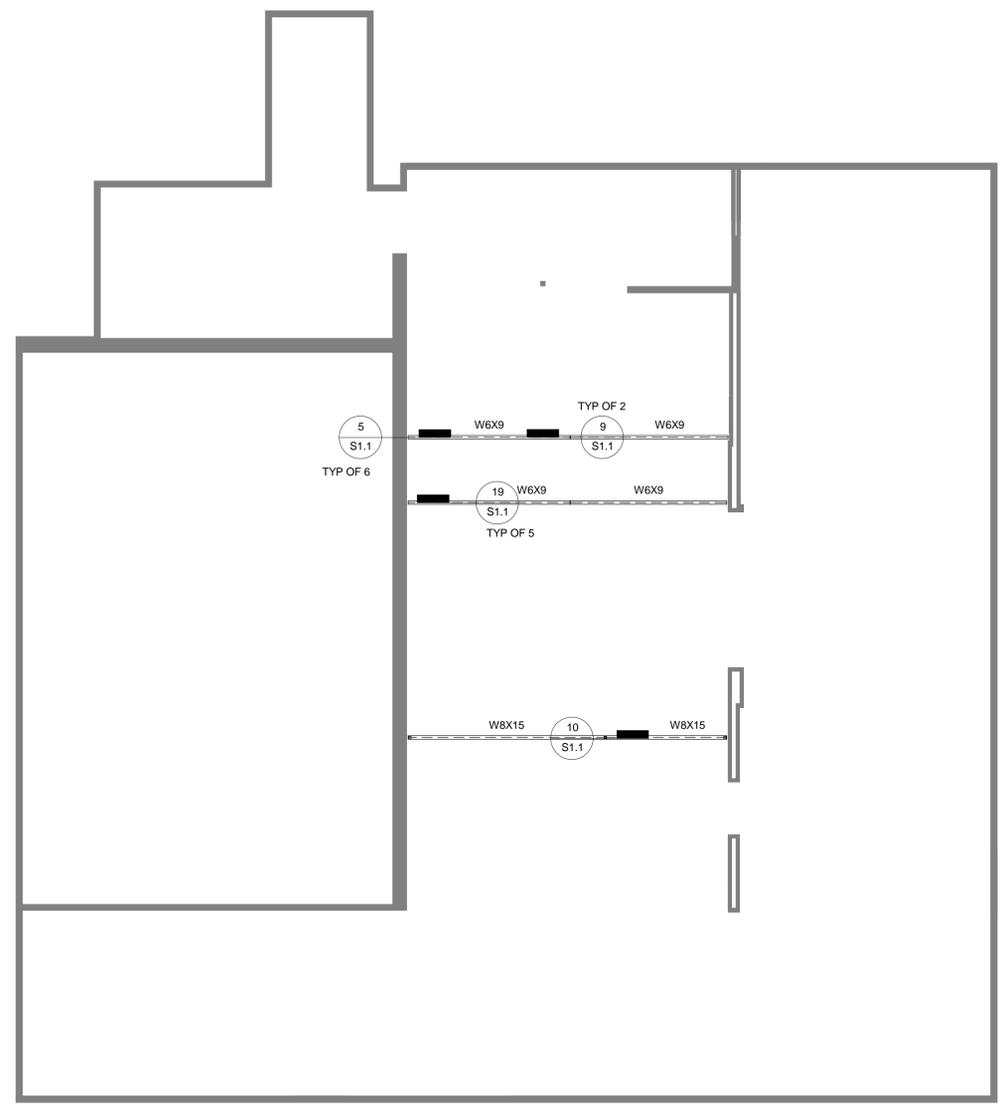


19 COLUMN CONNECTION  
1" = 1'-0"

- KEY NOTES:**
- INSTALL 4" CONCRETE SLAB WITH 6X6-W2.9X2.9WVF OVER VAPOR BARRIER. FILL EXISTING CRAWL SPACE WITH COMPACTED ENGINEERED FILL (ASSUME 18" FULL DEPTH) PRIOR TO INSTALLATION OF FLOOR SLAB.
  - PROVIDE SETTING TEMPLATES AND LEVELING NUTS AND INSTALL BEAMS AND COLUMNS SNUG TO UNDERSIDE OF EXISTING WOOD ROOF JOISTS PRIOR TO GROUTING BASE PLATE. SHIM ANY SPACE BETWEEN TOP OF STEEL AND EXISTING WOOD JOISTS.
  - PROVIDE HYDRAULIC CEMENT UNDERLAYMENT OVER EXISTING CONCRETE FLOOR TO LEVEL FLOOR WITH ADJACENT SPACE.



**FOUNDATION PLAN**  
1/8" = 1'-0"



**ROOF FRAMING PLAN**  
1/8" = 1'-0"

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**FOUNDATION, ROOF FRAMING PLAN AND DETAILS**  
CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

Rev	Description	Date	By
100 % CONSTRUCTION DOCUMENTS		07/13/12	

Project Information:  
Drawing Issue Information: Drawn By: MRF  
Project Mgr: MAF  
Issued For: Bidding

Sheet No: **S1.1**  
Project No: 11176-01



**GENERAL NOTES:**

1. EXISTING CONDITIONS SHOWN ARE FROM FIELD VERIFICATION. CONTRACTOR SHALL VERIFY AND ALERT A/E OF CONCERNS OR ISSUES.
2. EQUIPMENT SCHEDULED FOR DEMOLITION IS THE PROPERTY OF THE OWNER UNLESS THE OWNER CLEARLY INDICATED IT IS NOT WANTED.
3. BRANCH DUCTWORK RUNOUTS TO GRILLES AND DIFFUSERS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

**KEYED NOTES:**

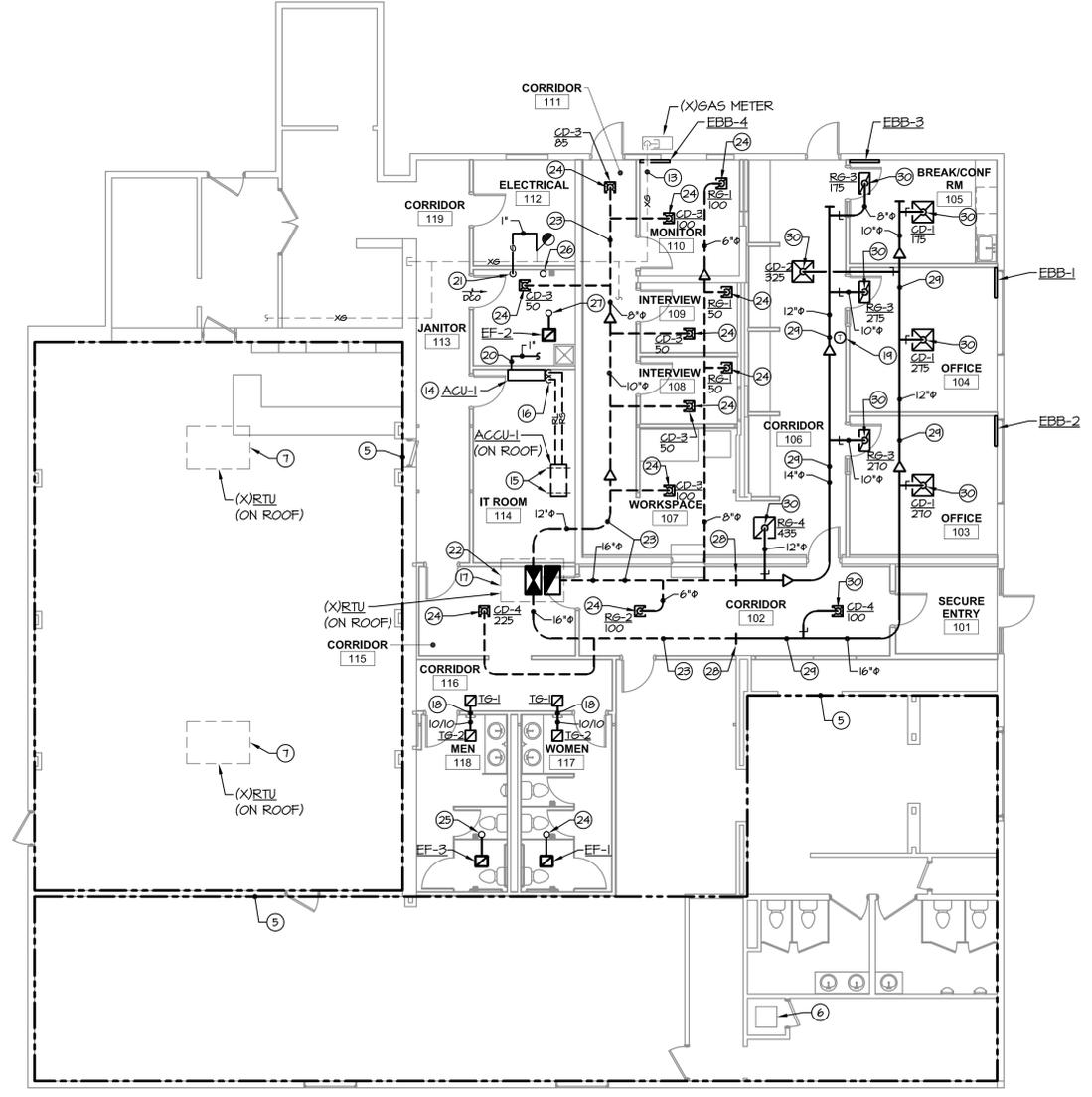
- 1 REMOVE FURNACE, CONDENSATE PUMP AND ALL ASSOCIATED DUCTWORK, PIPING, SUPPORTS AND CONTROLS. REMOVE VENT AND INTAKE PIPING THROUGH WALL. PATCH WALL.
- 2 REMOVE CONDENSING UNIT AND ALL ASSOCIATED PIPING, SUPPORTS, AND CONTROLS.
- 3 REMOVE ABANDONED GAS VENT THROUGH THE ROOF. PATCH ROOF.
- 4 REMOVE THERMOSTAT FOR RELOCATION.
- 5 HVAC SYSTEMS IN THIS AREA SHALL REMAIN.
- 6 EXISTING FURNACE SHALL REMAIN.
- 7 EXISTING RTU.
- 8 REMOVE COMBINATION SUPPLY/RETURN GRILLE ASSEMBLY, RTU AND DUCTWORK ABOVE THE CEILING SHALL REMAIN FOR EXTENSION TO REMODELED SPACES.
- 9 REMOVE EXHAUST FAN AND ASSOCIATED DUCTWORK, WALL TERMINATION, AND CONTROLS.
- 10 REMOVE ABANDONED DRYER VENT AND WALL TERMINATION. PATCH WALL.
- 11 REMOVE GAS PIPING DOWN THROUGH ROOF OR WALL. PATCH WALL.
- 12 REMOVE GAS AND VENT THROUGH THE ROOF AND DOWN TO FIREPLACE. PATCH ROOF.
- 13 EXISTING GAS PIPING ON ROOF SHALL REMAIN.
- 14 MOUNT ACU-1 AS HIGH ON WALL AS POSSIBLE.
- 15 REFER TO DETAIL 3/H&J FOR ROOF RAIL DETAIL.
- 16 REFER TO DETAIL 7/H&J FOR PIPING THROUGH ROOF DETAIL.
- 17 CONTRACTOR SHALL REVIEW OPERATION OF EXISTING RTU COMPLETE AND PROVIDE REQUIRED SERVICE TO MAINTAIN PROPER OPERATION FOR REMODELED SPACES.
- 18 ROUTE TRANSFER DUCT BETWEEN ROOF JOISTS.
- 19 RELOCATE THERMOSTAT TO THIS LOCATION. PROVIDE ALL REQUIRED WIRING/PROGRAMMING.
- 20 EXTEND 1" CONDENSATE TO MOP BASIN IN JAN. 113.
- 21 NEW 1" GAS PIPING DOWN THRU ROOF TO SERVE RELOCATED WATER HEATER. REFER TO DETAIL 7/H&J.
- 22 REMOVE EXISTING RTU AND REINSTALL ON NEW ELEVATED CURB. CURB SHALL BE SUITABLE FOR HORIZONTAL DUCTWORK CONNECTIONS ABOVE THE ROOF. INSTALL SARRA DUCTWORK FLEENIS/CONNECTIONS TO RTU WITHIN THE CURB. DUCT PENETRATIONS FROM CURB SHALL BE FLASHED WEATHER TIGHT.
- 23 DUCT ROUTED HORIZONTALLY ABOVE ROOF. REFER TO DETAIL 6/H&J.

- 24 10"Ø EXHAUST AIR DUCT FROM EF-1 ROUTED BETWEEN JOISTS UP THROUGH ROOF. TERMINATE ABOVE ROOF PER DETAIL 4/H&J.
- 25 10"Ø EXHAUST AIR DUCT FROM EF-3 ROUTED BETWEEN JOISTS UP THROUGH ROOF. TERMINATE ABOVE ROOF PER DETAIL 4/H&J.
- 26 NEW 4" DIA. WATER HEATER VENT. TERMINATE ABOVE ROOF PER MANUFACTURERS RECOMMENDATIONS.
- 27 6"Ø EXHAUST AIR DUCT FROM EF-2 ROUTED BETWEEN JOISTS UP THROUGH ROOF. TERMINATE ABOVE ROOF PER DETAIL 4/H&J.
- 28 DUCTWORK SHALL PENETRATE VERTICAL EXTERIOR WALL INTO ATTIC SPACE. SEAL WATER TIGHT.
- 29 DUCTWORK ROUTED IN ACCESSIBLE ATTIC SPACE.
- 30 DROP INSULATED DUCT DOWN THROUGH GYPSUM ATTIC BARRIER AND CONNECT TO DIFFUSER/GRILLE. PENETRATIONS SHALL BE WATER-TIGHT AND BUILDING VAPOR BARRIER SHALL BE MAINTAINED.

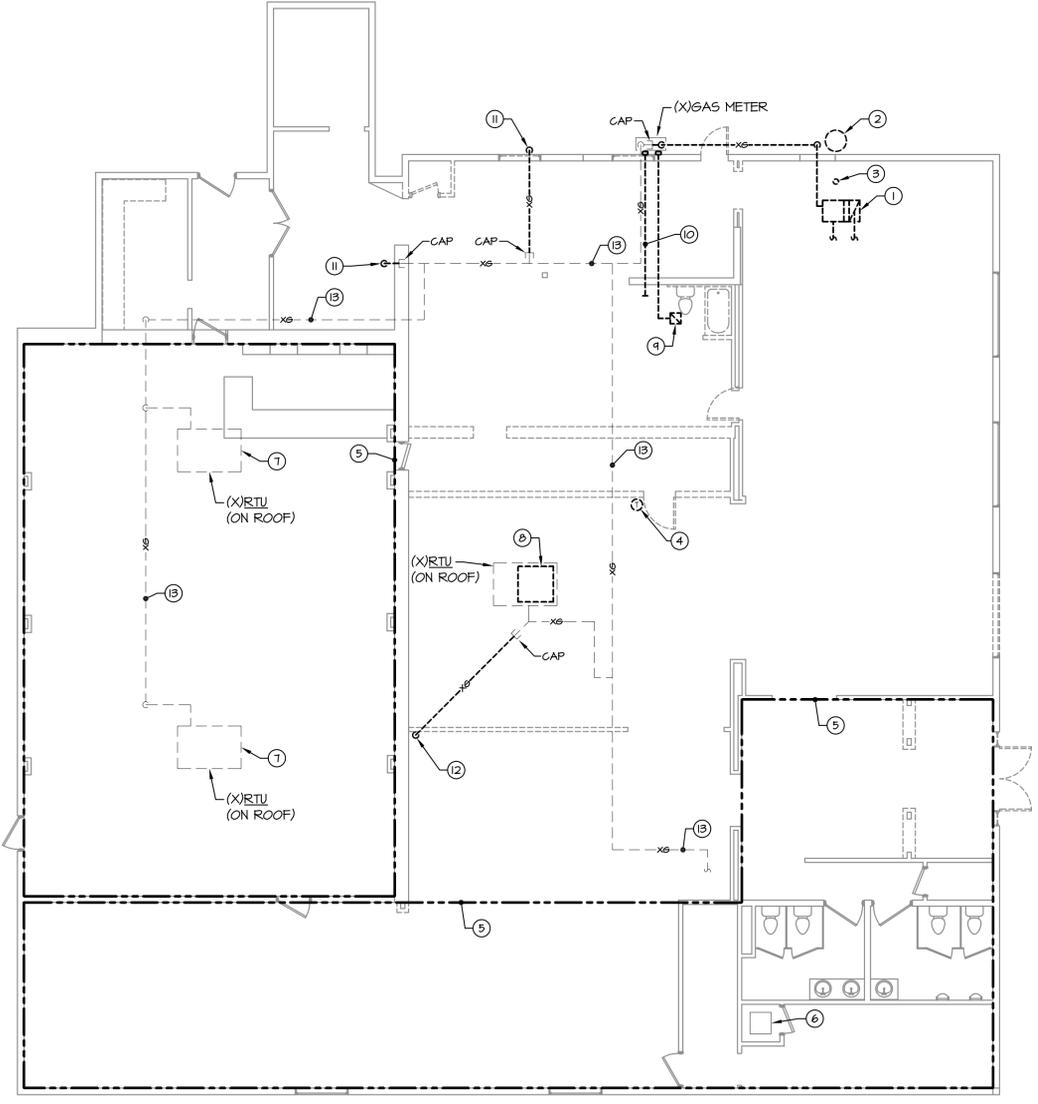
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**FLOOR PLANS**  
 CLINTON COUNTY GOVERNMENT  
 DEWITT ANNEX - 2012 RENOVATIONS  
 226 11TH STREET  
 DEWITT, IOWA



**2 FLOOR PLAN**  
 HI.1 SCALE: 1/8"=1'-0"



**1 DEMOLITION PLAN**  
 HI.1 SCALE: 1/8"=1'-0"

**ARNOLD AND SHERIDAN INC**  
 CONSULTING ENGINEERS  
 MADISON, WISCONSIN  
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Rev	Description	Date	By
07/13/12	100% CONSTRUCTION DOCUMENTS		

Drawing Issue Information: Drawn By: Issued For Construction:  
 Project Mgr: Issued for Bidding:

**H1.1**  
 Project No: 11176-01

EBB-X ELECTRIC BASEBOARD SCHEDULE							
UNIT NO.	SERVICE/LOCATION	BERKO MODEL NO.	LENGTH (INCHES)	KW INPUT	VOLTS	PHASE	REMARKS
1	OFFICE 104	OBD750	34	.75	120	I	①②③
2	OFFICE 103	OBD750	34	.75	120	I	①②③
3	BREAK/CONF RM 105	OBD750	34	.75	120	I	①②③
4	MONITOR 110	OBD750	34	.75	120	I	①②③

**KEYED NOTES:**

- ① PROVIDE WITH INTEGRAL THERMOSTAT.
- ② PROVIDE WITH 16 GAUGE ENCLOSURE.
- ③ PROVIDE WITH INTEGRAL DISCONNECT.

AIR DEVICE SCHEDULE							
KEY		KEY					
U-1	UNIT NUMBER	SG	SUPPLY GRILLE	CFM	CFM	CFM	CFM
U-2	CFM	RG	RETURN GRILLE				
U-3	CFM	EG	EXHAUST GRILLE				
U-4	CFM	TG	TRANSFER GRILLE				
U-5	CFM	SD	SLOT DIFFUSER (SUPPLY)				
U-6	CFM	CD	CEILING DIFFUSER (SUPPLY)				
UNIT NO.	MANUFACTURER / MODEL NO.	TYPE	SIZE (FACE / NECK)	CFM RANGE	MATERIAL	MOUNTING SURFACE	REMARKS
GD-1	TITUS / TMS	SQUARE / LOUVERED	24"x24" / 8"φ	0 - 275	STEEL	SURFACE	
GD-2	TITUS / TMS	SQUARE / LOUVERED	24"x24" / 10"φ	0 - 435	STEEL	SURFACE	
GD-3	TITUS / TMS	SQUARE / LOUVERED	12"x12" / 8"φ	0 - 280	STEEL	SURFACE	①
GD-4	TITUS / TMS-FR	SQUARE / LOUVERED	12"x12" / 8"φ	0 - 280	STEEL	SURFACE	①
RG-1	TITUS / PAR	SQUARE / PERFORATED	12"x12" / 6"φ	0 - 100	STEEL	SURFACE	①
RG-2	TITUS / PAR-FR	SQUARE / PERFORATED	12"x12" / 10"x10"	0 - 275	STEEL	SURFACE	①
RG-3	TITUS / PAR	SQUARE / PERFORATED	24"x12" / 22"x10"	0 - 275	STEEL	SURFACE	
RG-4	TITUS / PAR	SQUARE / PERFORATED	24"x24" / 12"φ	0 - 435	STEEL	SURFACE	
TG-1	TITUS / PAR-FR	SQUARE / PERFORATED	12"x12" / 10"x10"	0 - 275	STEEL	SURFACE	
TG-2	TITUS / PAR	SQUARE / PERFORATED	12"x12" / 10"x10"	0 - 275	STEEL	SURFACE	

**GENERAL NOTES:**

- 1. CONTRACTOR SHALL VERIFY MOUNTING SURFACE / FRAME REQUIREMENTS
- 2. BRANCH DUCT SIZE TO DIFFUSER SHALL BE THE SAME AS THE NECK SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE.
- 3. SEE SPECIFICATION SECTION FOR GRILLE, REGISTER, AND DIFFUSER FINISHES.
- 4. MAXIMUM STATIC PRESSURE DROP THROUGH GRILLE, REGISTER, OR DIFFUSER SHALL NOT EXCEED 0.1".
- 5. MAXIMUM NC LEVELS FOR GRILLES, REGISTERS, OR DIFFUSERS SHALL NOT EXCEED 25.
- 6. UNLESS THROWN IS NOTED OTHERWISE, ALL DIFFUSERS SHALL BE 4-WAY THROWN.

**KEYED NOTES:**

- ① PROVIDE WITH INTEGRAL VOLUME DAMPER.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE																
ACU-X EVAPORATOR UNIT (INDOOR UNIT)					ACCU-X AIR COOLED CONDENSING UNIT (OUTDOOR UNIT)											
UNIT NO.	UNIT LOCATION	CARRIER MODEL NO.	TYPE	FAN MOTOR			UNIT NO.	CARRIER MODEL NO.	NOMINAL CAPACITY (MBH)	SEER	UNIT ELECTRICAL DATA			REFRIGERANT	REMARKS	
				VOLTS	PHASE	HP					VOLTS	PHASE	MCA			MCCP
1	IT ROOM 118	40MVC-018	DUCTLESS SPLIT	208	1	.075	1	38MVC-018	18.0	13	208	1	II	20	R410A	①

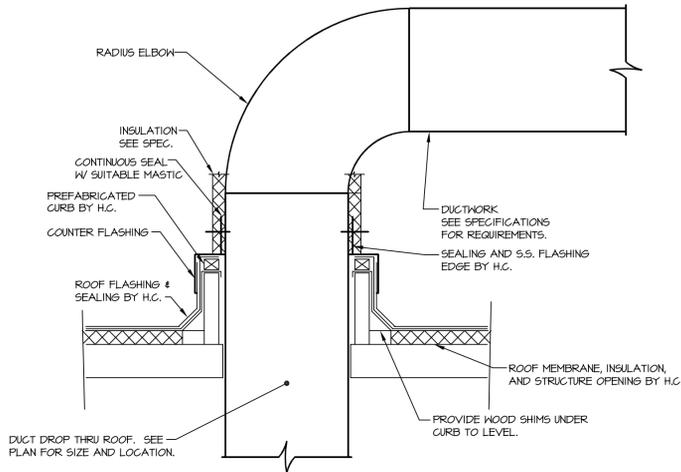
**KEYED NOTES:**

- ① PROVIDE LOW AMBIENT CONTROL TO ZERO DEGREES AND THERMOSTAT CONTROLS.

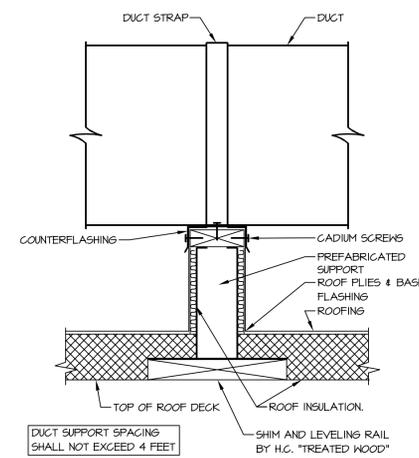
EF-X EXHAUST FAN SCHEDULE										
UNIT NO.	LOCATION	MANUFACTURER	MODEL NO.	SET CFM	EXT. S.P. (IN. WC)	MOTOR HP	VOLTAGE/PHASE	DRIVE	MAX. SONES	REMARKS
EF-1	WOMENS RM 117	GREENHECK	SP-A290	225	0.250	FHP	120/1	DIRECT	4.0	①②
EF-2	JANITOR 113	GREENHECK	SP-A125	100	0.250	FHP	120/1	DIRECT	2.0	①②
EF-3	MENS RM 118	GREENHECK	SP-A290	225	0.250	FHP	120/1	DIRECT	4.0	①②

**KEYED NOTES:**

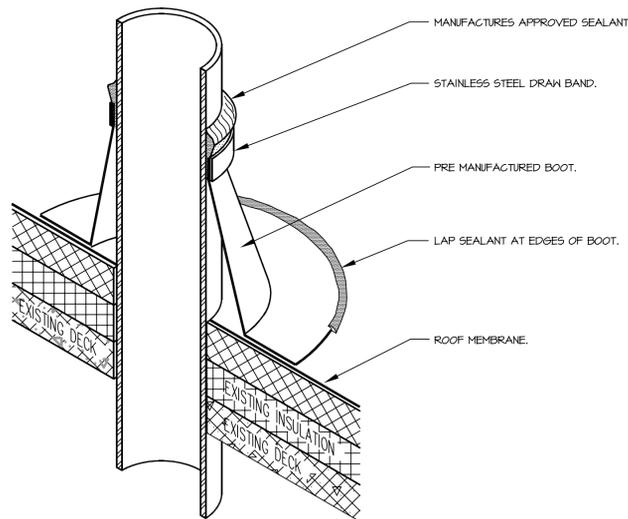
- ① PROVIDE SPEED CONTROLLER TO E.C. FOR INSTALLATION ON FAN HOUSING.
- ② REFER TO ELECTRICAL DRAWINGS FOR ON/OFF POWER CONTROL WIRED TO OCCUPANCY SENSOR.



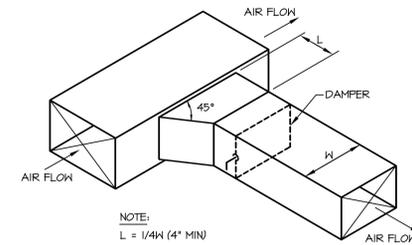
5 DUCT ROOF PENETRATION DETAIL  
H0.1 SCALE: NONE



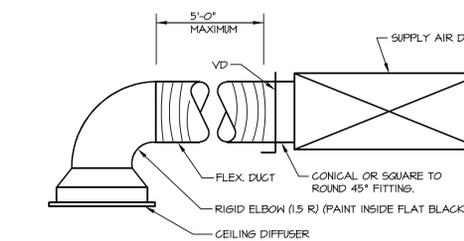
6 DUCT SUPPORT ON ROOF DETAIL  
H0.1 SCALE: NONE



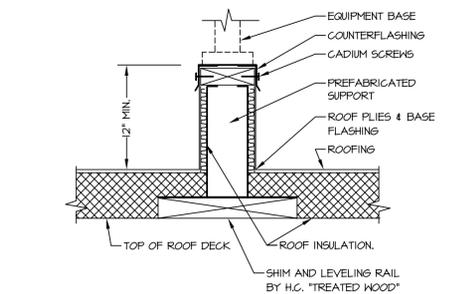
2 PIPE THROUGH ROOF DETAIL  
H0.1 SCALE: NONE



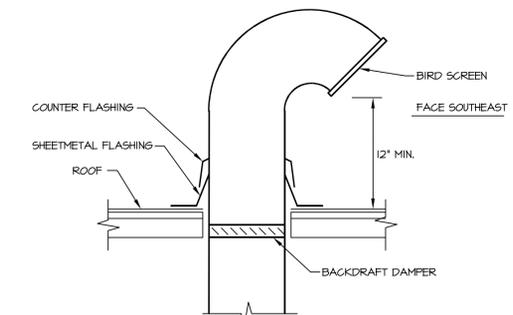
1 BRANCH DUCT TAKEOFF  
H0.1 SCALE: NONE (REVERSE FLOW ARROWS FOR EXHAUST AND RETURN)



2 CEILING DIFFUSER CONNECTION  
H0.1 SCALE: NONE



3 ROOF RAIL DETAIL  
H0.1 SCALE: NONE



4 GOOSENECK DETAIL  
H0.1 SCALE: NONE

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DETAILS AND SCHEDULES  
CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

Project Description:	Drawn By:	Issued For Construction:	Date:
			07/13/12
Drawing Issue Information:	Project Mgr:	Issued for Bidding:	Description
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Sheet No:  
H8.1  
Project No: 11176-01



# PLUMBING SYMBOLS AND ABBREVIATIONS

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS INDICATED NECESSARILY APPLY TO THIS PROJECT.

## PLUMBING SYSTEMS

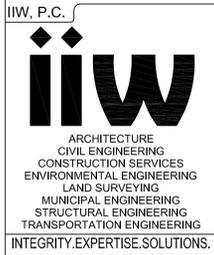
ABBREVIATION	DESCRIPTION	SYMBOL
CW	COLD WATER	----
HW	HOT WATER	----
HWR	HOT WATER RECIRCULATION	----
OD	OVERFLOW STORM DRAIN	-----OD-----
S	SOFT WATER	-----S-----
SAN OR W	SANITARY DRAIN, WASTE OR SEWER	-----
SD	SUBSOIL DRAIN (FOOTING DRAIN)	-----SD-----
ST	STORM DRAIN CONDUCTOR OR SEWER	-----ST-----
V	VENT	-----
W	DOMESTIC WATER SERVICE	-----W-----
XSAN	EXISTING PIPING (SERVICE DESIGNATED)	-----XSAN-----
XSAN	EXISTING PIPING TO BE REMOVED/ ABANDONED (SERVICE DESIGNATED)	*****XSAN*****

## SYMBOLS

ABBREVIATION	DESCRIPTION	SYMBOL
-	TEE (BRANCH TO SIDE)	
-	TEE (BRANCH DOWN)	
UP	RISER UP	
DN	RISER DOWN	
CO	CLEANOUT	
WCO	WALL CLEANOUT	
FCO	FLOOR CLEANOUT	
YCO	YARD CLEANOUT	
DSN	DOWNSPOUT NOZZLE	
-	UNION	
-	FLANGE	
-	FLOW	
-	CHECK VALVE	
PRV	PRESSURE REGULATING VALVE	
-	SOLENOID VALVE	
HB	HOSE BIBB	
WH	WALL HYDRANT	
YH	YARD HYDRANT	
POC	POINT OF CONNECTION	
-	CAP	
BV	BALANCING VALVE	
-	SHUT-OFF VALVE	
CP	CIRCULATING PUMP	
-	PIPE STRAINER	
-	WATER METER	
EEW	EMERGENCY EYEWASH	
ESH	EMERGENCY SHOWER	
ESH/EEW	COMBINATION EMERGENCY SHOWER/EYEWASH	
-	FIXTURE STOP	
-	VALVE IN RISER	
-	THERMOMETER	
-	PRESSURE GAUGE	
WHA	WATER HAMMER ARRESTOR	
-	RELIEF VALVE	
BP	BACKFLOW PREVENTER	
RFBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	
DDCV	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	
DCVA	DOUBLE CHECK VALVE ASSEMBLY	
-	CONTINUATION	
-	PIPE SLOPE SYMBOL	
FD	FLOOR DRAIN	
AD	AREA DRAIN	
RD	ROOF DRAIN	
OD	OVERFLOW DRAIN	
FS	FLOOR SINK	
FFE	FINISHED FLOOR ELEVATION	
DFU	DRAINAGE FIXTURE UNITS	
SFU	SUPPLY FIXTURE UNITS	
-	EQUIPMENT IDENTIFICATION	
-	KEYED NOTE	
-	DRAWING REVISION	
-	HEAT TRACE POWER CONNECTION	
-	HEAT TRACE END CONNECTION	
TMV	THERMOSTATIC MIXING VALVE	
-	BRANCH VALVE/ ROAD BOX	
-	MEDICAL GAS OUTLET	
NGP	NITROGEN CONTROL PANEL	
ZVB	ZONE VALVE BOX	
-	TAG FOR CONTINUATION MATCH POINTS AND/OR DETAIL REFERENCE	

## ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BT	BATHTUB
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CL	CENTER LINE
CS	CUP SINK
CSS	CLINICAL SERVICE SINK/FLUSHING RIM SINK
CUS	CUSPIDOR
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EJ	EXPANSION JOINT
EQUIP	EQUIPMENT
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EW	ELECTRIC WATER COOLER
EXIST	EXISTING
*F	DEGREES FAHRENHEIT
FEC	FOOD EQUIPMENT CONTRACTOR
FPC	FIRE PROTECTION CONTRACTOR
FT	FOOT OR FEET
GAL	GALLON
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPM	GALLON PER MINUTE
HC	HVAC CONTRACTOR
HG	MERCURY
HP	HORSEPOWER
HTR	HEATER
IE	INVERT ELEVATION
JS	JANITOR SINK
L	LAVATORY
LBS	POUNDS
LT	LAUNDRY TRAY
MAX	MAXIMUM
MB	MOP BASIN
MBH	1000 BRITISH THERMAL UNITS/HOUR
MECH	MECHANICAL
MEZZ	MEZZANINE
MH	MANHOLE
MIN	MINIMUM
MTR	METER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
FC	PLUMBING CONTRACTOR
FF	FENAL FIXTURE
FRELIM	PRELIMINARY
FRESS	PRESSURE
PS	PRESSURE SWITCH
PSF	POUNDS PER SQUARE FOOT
PSH	PENAL SHOWER
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RI	ROUGH-IN
RPM	REVOLUTIONS PER MINUTE
S	SINK
SF	SQUARE FEET
SH	SHOWER
SS	SOIL STACK/ SERVICE SINK
STRUCT	STRUCTURAL/STRUCTURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TS	TAMPER SWITCH
UR	URINAL
VAC	VACUUM
VB	VACUUM BREAKER
VS	VENT STACK
VTR	VENT THRU ROOF
WC	WATER CLOSET, WATER COLUMN
WF	WASH FOUNTAIN
WM	WASHING MACHINE
WHTR	WATER HEATER
WS	WASTE STACK
XWC	EXISTING FIXTURE TO REMAIN (FIXTURE TYPE DESIGNATED)



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## SYMBOLS AND ABBREVIATIONS

CLINTON COUNTY GOVERNMENT  
 DEWITT ANNEX - 2012 RENOVATIONS  
 226 11TH STREET  
 DEWITT, IOWA

Rev	Date	Description
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Project No: 11176-01



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PLUMBING SHEET INDEX
PO.1 SYMBOLS AND ABBREVIATIONS
FD.1 DEMOLITION PLAN
FL.1 FLOOR PLANS
FD.1 DETAILS AND SCHEDULES

PO.1

SYMBOL	CONNECTION SIZE (IN)				FIXTURE UNITS			REMARKS	
	H	V	CH	HW	DFU	COLD	HOT		TOTAL
	KC-1	4	-	3/4	-	4	5.0		-
KC-2	4	-	3/4	-	4	5.0	-	5.0	TANK TYPE, FLOOR MOUNTED
UR-1	2	1-1/2	3/4	-	4	5.0	-	5.0	FLUSH VALVE, WASHDOWN
L-1	1-1/2	1-1/2	3/4	3/4	1	1.5	1.5	2.0	
S-1	1-1/2	1-1/2	3/4	3/4	2	1	1	1.4	
MB-1	3	1-1/2	3/4	3/4	5	2.25	2.25	3.0	
FD-1	3	-	-	-	5	-	-	-	
FD-2	4	-	-	-	6	-	-	-	

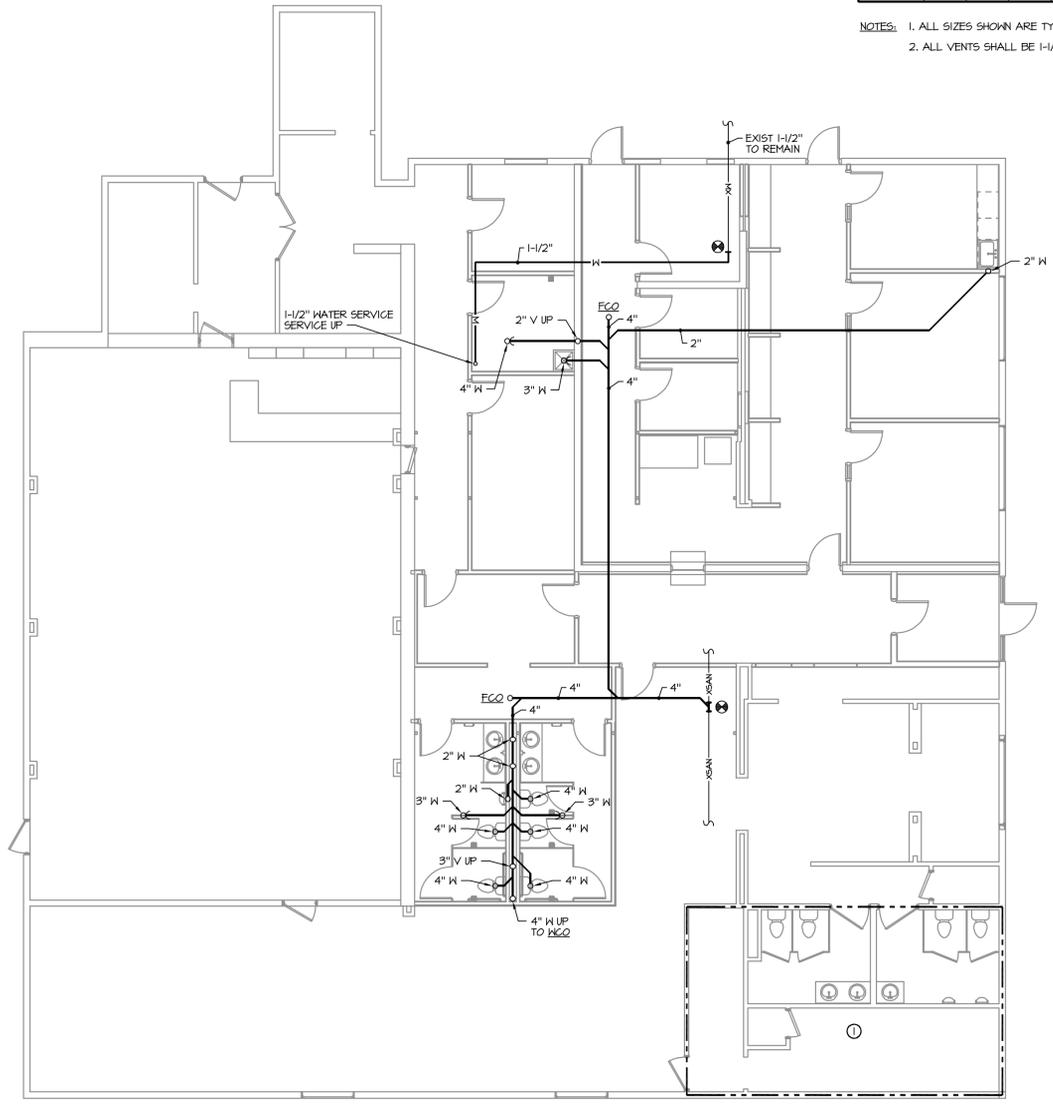
NOTES: 1. ALL SIZES SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.  
2. ALL VENTS SHALL BE 1-1/2" UNLESS OTHERWISE NOTED ON PLANS.

GENERAL NOTES:  
1. EXISTING CONDITIONS SHOWN ARE FROM FIELD VERIFICATION. PC SHALL VERIFY AND ALERT A/E OF CONCERNS OR ISSUES.  
2. PC IS RESPONSIBLE FOR FLOOR CUTTING AND PATCHING IN AREAS NOT BEING REMOVED BY OTHERS. COORDINATE WITH GC.

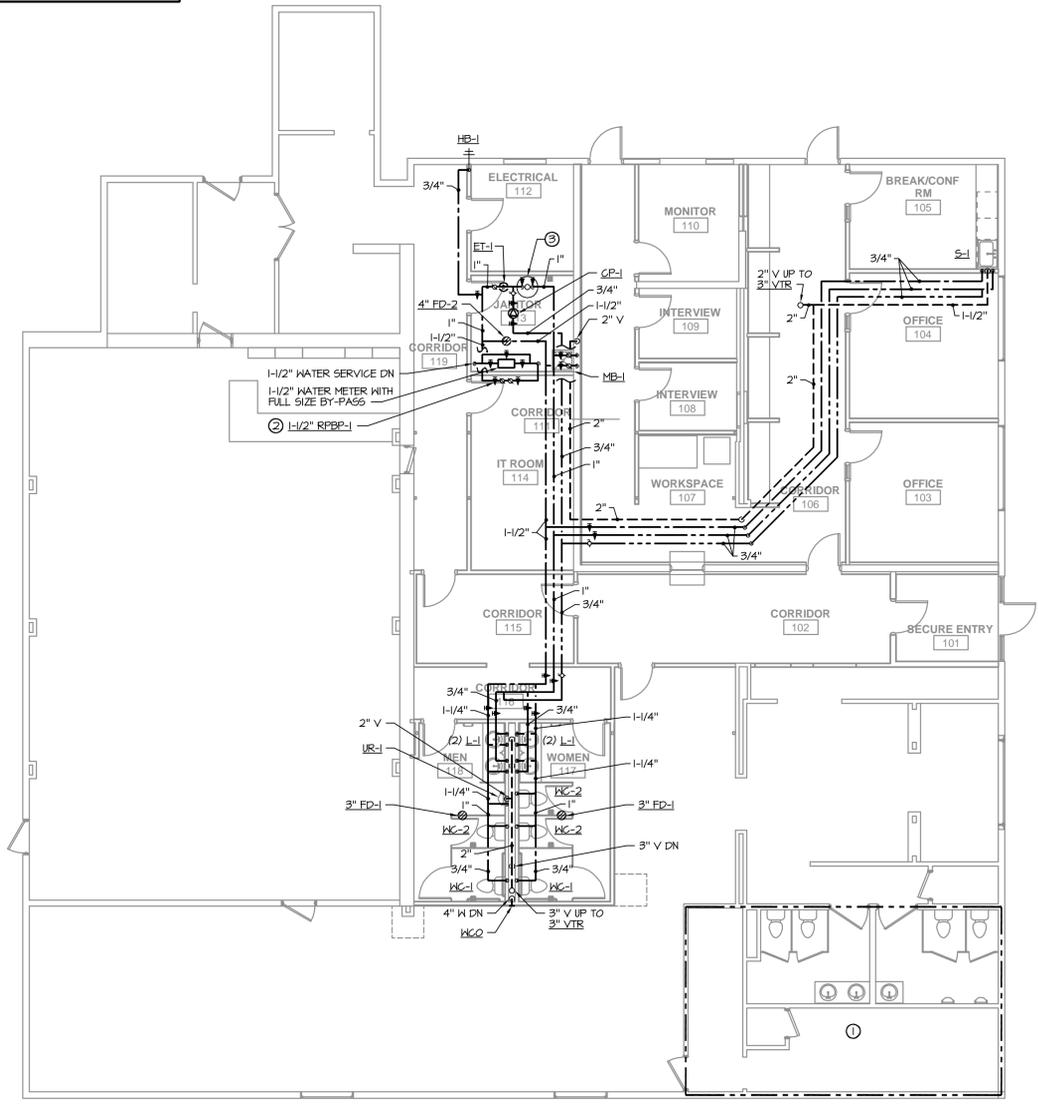
KEYED NOTES:  
① PLUMBING FIXTURES AND ASSOCIATED PIPING IN THIS AREA SHALL BE ABANDONED IN PLACE.  
② RBPB TO BE INSTALLED IN THE HORIZONTAL ABOVE THE WATER METER AND BY-PASS IN JANITOR I13.  
③ RELOCATED EXISTING WATER HEATER.

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1 UNDERFLOOR PLAN  
PI.I SCALE: 1/8" = 1'-0"



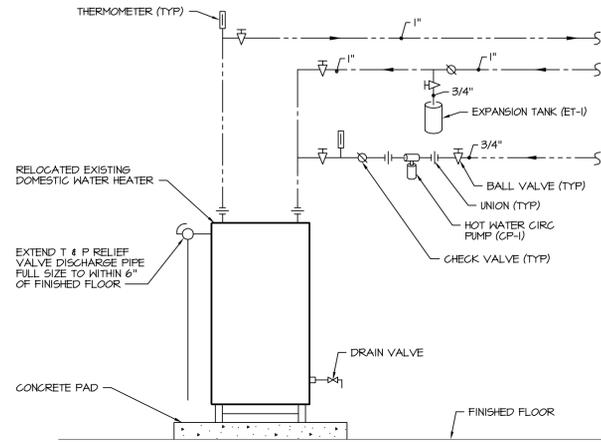
2 FLOOR PLAN  
PI.I SCALE: 1/8" = 1'-0"

FLOOR PLANS  
CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

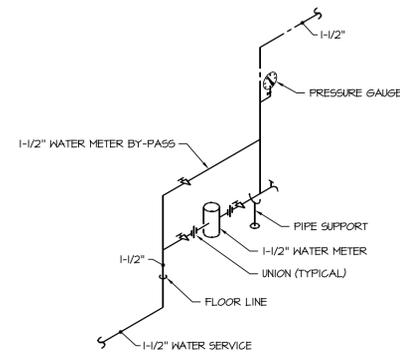
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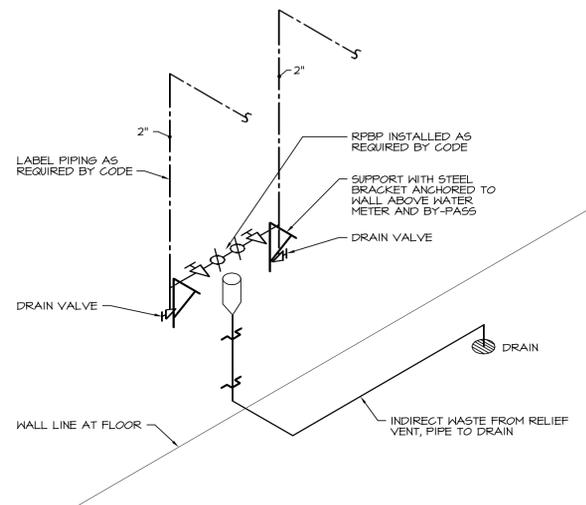
Sheet No: P1.1  
Project No: 11176-01



**1 WATER HEATER PIPING DETAIL**  
SCALE: NONE



**2 WATER METER DETAIL**  
SCALE: NONE



**3 REDUCED PRESSURE BACKFLOW PREVENTER**  
SCALE: NONE

PLUMBING FIXTURE SCHEDULE			
DEVICE NO.	MANUF.	MODEL NO.	DESCRIPTION
WC-1	KOHLER BEM15 McGUIRE	"CIMARRON" K-3584 / K-3584-RA 1455 55G H2164 LK	VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 16 GALLON FLUSH TANK TYPE TOILET WITH 16-1/2" RIM HEIGHT (INSTALL WITH TANK LEVER CONTROL ON "WIDE SIDE" OF STALL FOR A.D.A. COMPLIANCE) ELONGATED OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL SELF-SUSTAINING CHECK HINGE LOOSE KEY STOP AND SUPPLY WITH CHROME PLATED ESCUTCHEON
WC-2	KOHLER BEM15 McGUIRE	"WELLWORTH" K-3416 / K-3416-RA 1455 55G H2164 LK	VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 16 GALLON FLUSH TANK TYPE TOILET WITH 14-1/2" RIM HEIGHT ELONGATED OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL SELF-SUSTAINING CHECK HINGE LOOSE KEY STOP AND SUPPLY WITH CHROME PLATED ESCUTCHEON
UR-1	KOHLER SLOAN -	"BARDON" K-4460-ET "ROYAL" 0106-1 -	VITREOUS CHINA, WALL HUNG, TOP SPUD, 1.0 GALLON FLUSH WASHDOWN URINAL WITH REMOVABLE BEEHIVE STRAINER (COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DETAILS TO DETERMINE FIXTURES WHICH SHALL COMPLY WITH A.D.A. RIM HEIGHT OF 17" AFF MAXIMUM) TOP SPUD, 1.0 GALLON FLUSH VALVE, BATTERY OPERATED SENSOR CONTROLS, WITH "COURTESY FLUSH" BUTTON PROVIDE COMMERCIAL GRADE FLOOR MOUNTED URINAL SUPPORTS
L-1	- McGUIRE CHICAGO McGUIRE	- 155A 404A-XK-364 H2161 LK FW 2125 WC	SOLID SURFACE WITH INTEGRAL BOWL BY GC OPEN GRID STRAINER POLISHED CHROME FAUCET, 8" CENTERS, WITH CERAMIC DISC CARTRIDGE AND LEVER HANDLES LOOSE KEY STOPS AND SUPPLIES WITH CHROME PLATED ESCUTCHEONS PRE-WRAPPED OFFSET DRAIN AND P-TRAP, TAIL PIECE COVER, TWO SUPPLY COVERS, AND CHROME PLATED ESCUTCHEON
S-1	ELKAY CHICAGO McGUIRE	LR-2521 LK-10 706-XK-E3-364 H2161 LK 0412	SINGLE COMPARTMENT, 10" GAUGE, TYPE 304, SELF-RIMMING STAINLESS STEEL SINK, 8" DEEP, WITH 3 FAUCET HOLES PERFORATED GRID STRAINER POLISHED CHROME, GOOSENECK FAUCET, WITH CERAMIC DISC CARTRIDGE AND LEVER HANDLES LOOSE KEY STOPS AND SUPPLIES WITH CHROME PLATED ESCUTCHEONS 1-1/2" x 1-1/2" CHROME PLATED P-TRAP
MB-1	CRANE/PIAT CHICAGO	MSB 2424 1453-BB E-TT-AA MSG 2424 782-15 E27	MOLDED STONE 24" x 24" x 10" HIGH MOP SERVICE BASIN WITH 3" INTEGRAL DRAIN FLAT STAINLESS STEEL STRAINER VINYL BUMPERGUARDS ON ALL EXPOSED SIDES HEAVY GAUGE STAINLESS STEEL WALL GUARD (PROVIDE WALL GUARDS ON ALL ADJACENT WALLS) POLISHED CHROME SERVICE SINK FAUCET WITH INTEGRAL STOPS SPOUT OUTLET VACUUM BREAKER
HB-1	WOODFORD	61 SERIES	EXPOSED AUTOMATIC DRAINING HOSE BIB WITH INTEGRAL VACUUM BREAKER, 3/4" HOSE THREAD NOZZLE, AND LOOSE TEE KEY
RPBP-1	WATTS	404MIQT-5 404-A6	1-1/2" REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH QUARTER-TURN, FULL PORT, BALL VALVE SHUT-OFFS, BRONZE STRAINER AIR-GAP FITTINGS

PLUMBING DRAIN & CLEANOUT SCHEDULE			
DEVICE NO.	MANUF.	MODEL NO.	DESCRIPTION
FD-1	ZURN	ZN-4155	CAST IRON BODY, 6" DIAMETER NICKEL BRONZE "TYPE 5" STRAINER, COMBINATION INVERTIBLE MEMBRANE CLAMP, ADJUSTABLE COLLAR
FD-2	ZURN	ZN-525	CAST IRON BODY, 4" DIAMETER NICKEL BRONZE TOP, SEEPAGE PAN, COMBINATION MEMBRANE FLASHING CLAMP AND FRAME, MEDIUM DUTY DEEP FLANGE SLOTTED GRATE
FCO	ZURN	ZN-1400-BP ZN-1414-N	CAST IRON BODY, ADJUSTABLE FLOOR CLEANOUT WITH NICKEL BRONZE TOP AND BRONZE PLUG (USE IN FINISHED AREAS) CAST IRON BODY, HEAVY DUTY CLEANOUT HOUSING, WITH NICKEL BRONZE TOP AND INTERNAL CLEANOUT (USE IN UNFINISHED AREAS: MECH. ROOMS, JAN. CLOSETS, ETC.)
WCO	ZURN	ZS-1460	POLISHED STAINLESS STEEL, ROUND ACCESS COVER, WITH SECURING SCREW AND BRONZE RAISED HEX HEAD PLUG

PLUMBING EQUIPMENT SCHEDULE			
DEVICE NO.	MANUF.	MODEL NO.	DESCRIPTION
ET-1	WESSELS	TTA 5	3.5 GALLON TANK VOLUME, 1.3 ACCEPTANCE VOLUME, 10" DIAMETER x 15" HIGH, PRECHARGED STEEL THERMAL EXPANSION TANK WITH FIXED BLADDER, NPT SYSTEM CONNECTIONS, AND CHARGING VALVE CONNECTION
CP-1	B4G	SERIES 100	1/2 HP, 115 VOLT, 1 PHASE, ALL BRONZE CIRCULATING PUMP, CAPACITY OF 4 GPM AT 8 FEET HEAD

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**DETAILS AND SCHEDULES**

CLINTON COUNTY GOVERNMENT  
DEWITT ANNEX - 2012 RENOVATIONS  
226 11TH STREET  
DEWITT, IOWA

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Sheet No: **P8.1**  
Project No: 11176-01

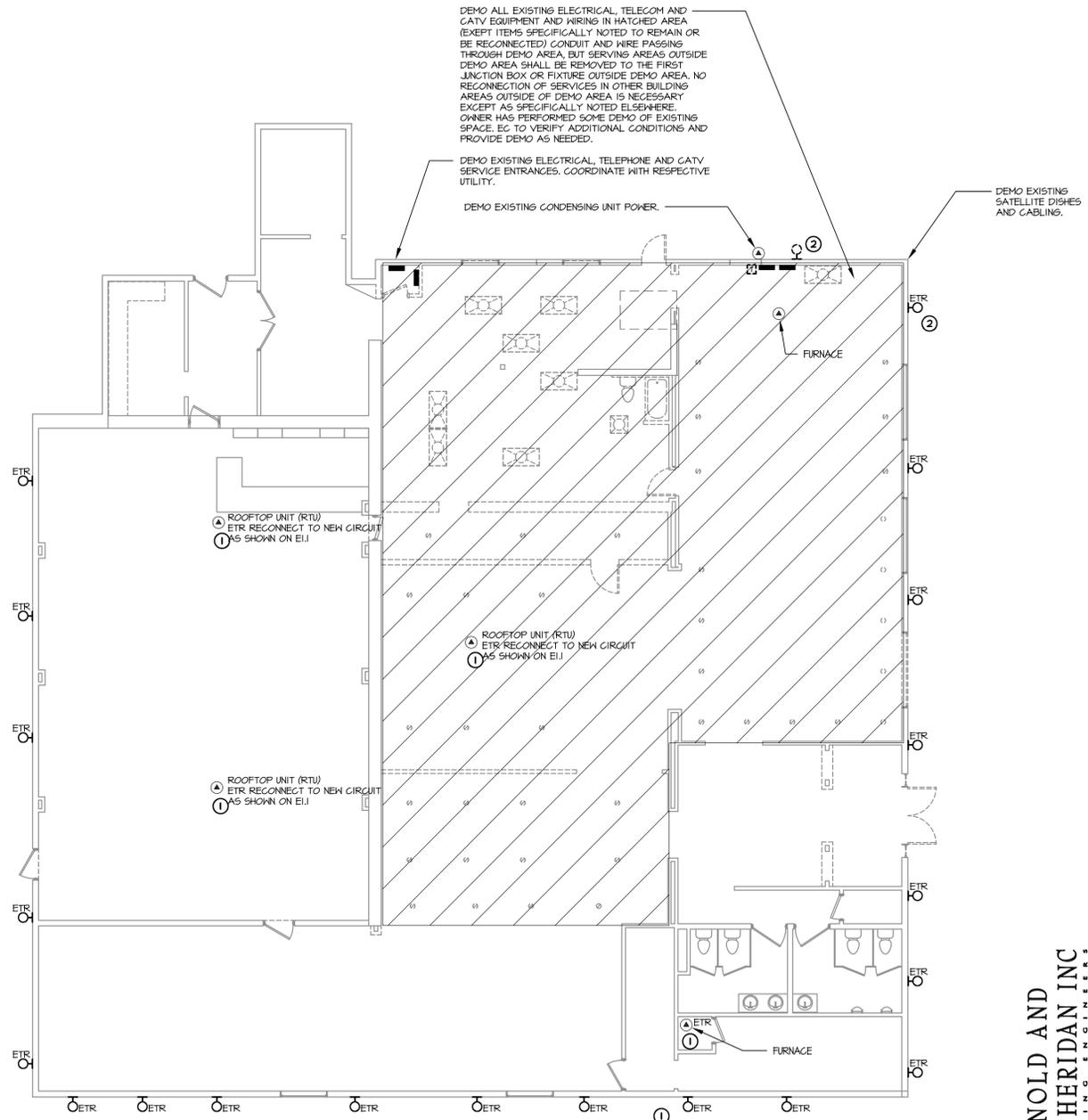
**GENERAL NOTES:**

1. DEMO ALL EXISTING ELECTRICAL, CATV AND TELEPHONE SERVICES AND EQUIPMENT. COORDINATE WITH RESPECTIVE UTILITY FOR DIVISION OF WORK AND REQUIREMENTS.
2. ALL EXTERIOR LIGHTING AND ELECTRIC SIGNAGE TO REMAIN. RECONNECT TO NEW PANEL I/A. FIXTURES CURRENTLY CONTROLLED BY THE TIMELOCK SHALL BE RECONNECTED TO THE NEW TIMELOCK.

**KEYED NOTE:**

- ① RECONNECT HVAC EQUIPMENT TO NEW PANEL I/A AS SHOWN ON 2/E1.I.
- ② EXISTING EXTERIOR LIGHTING TO REMAIN. RECONNECT TO PANEL I/A PER I/E1.I. EXISTING CONDUIT FEEDING FIXTURES AND #12 WIRE MAY BE REUSED, EXISTING NM OR WIRE SMALLER THAN #12 SHALL BE REMOVED AND FIXTURES REFEED.

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**DEMOLITION PLAN**

CLINTON COUNTY GOVERNMENT  
 DEWITT ANNEX - 2012 RENOVATIONS  
 226 11TH STREET  
 DEWITT, IOWA

① DEMOLITION PLAN  
 ED1.I SCALE: 1/8"=1'-0"



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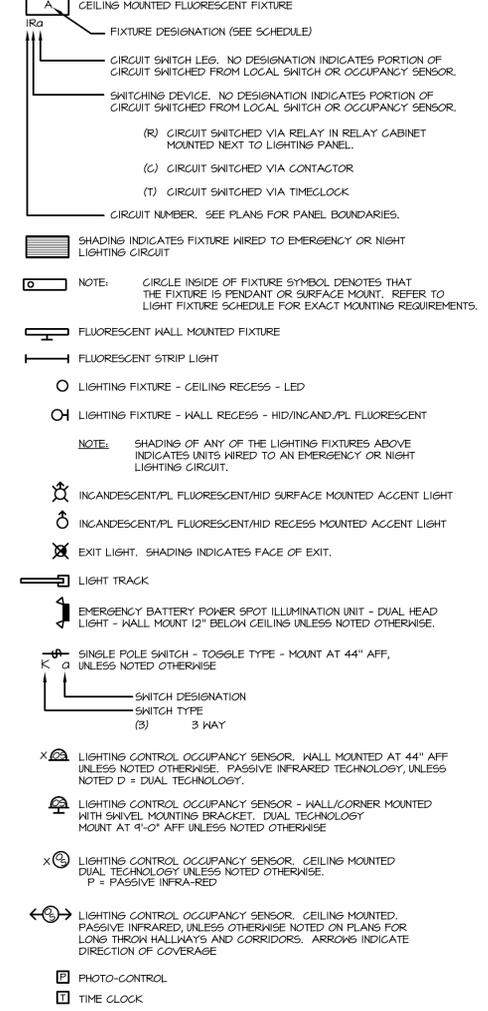
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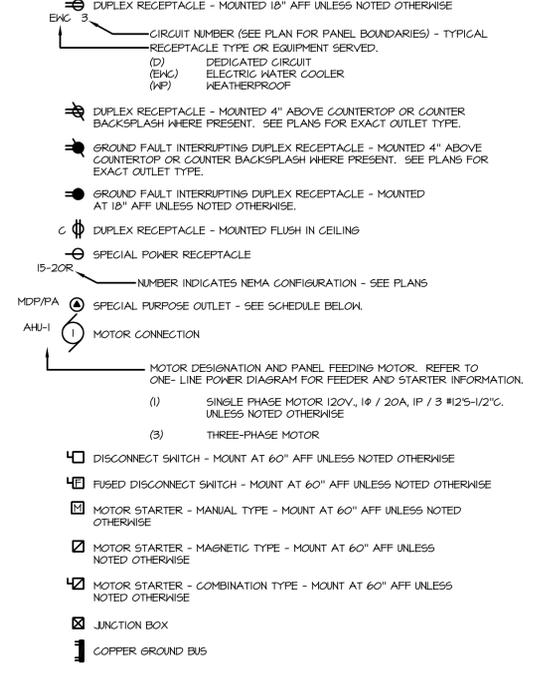
**SYMBOLS, ABBREVIATIONS AND SCHEDULES**  
 CLINTON COUNTY GOVERNMENT  
 DEWITT ANNEX - 2012 RENOVATIONS  
 226 11TH STREET  
 DEWITT, IOWA

**SYMBOLS LIST:**

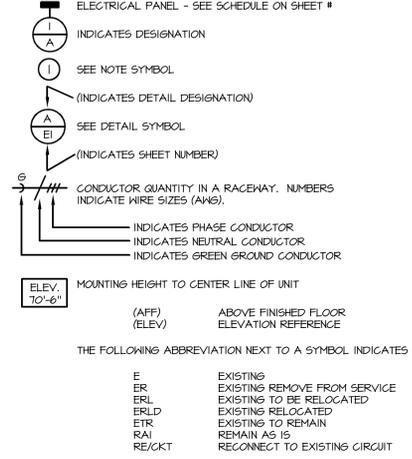
**LIGHTING:**



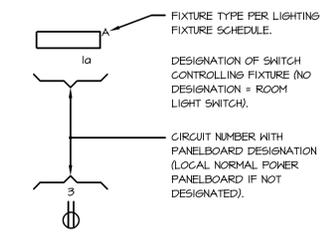
**POWER:**



**GENERAL:**



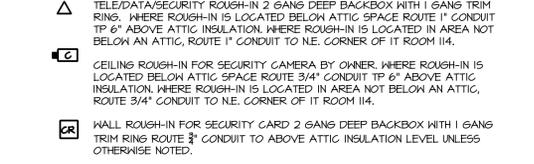
**CIRCUITING LEGEND**



**ABBREVIATIONS:**

ABV ABOVE	AFB ABOVE FINISHED FLOOR	AFG ABOVE FINISHED GRADE	AIC AVAILABLE INTERRUPTING CURRENT	AIE ARCHITECT/ENGINEER	ALT ALTERNATE	ARCH ARCHITECT	BLDG BUILDING	BKR BREAKER	C CONDUIT	CB CIRCUIT BREAKER	C CIRCUIT	CLØ CEILING	CM COFFEE MAKER	CO COPY MACHINE	CP CONTROL PANEL	CS COMBINATION STARTER	DIR DIRECT	DISC DISCONNECT	DN DOWN	EG ELECTRICAL CONTRACTOR	ELEV ELEVATION	EM EMERGENCY	ENT ELECTRICAL NON-METALLIC TUBING	EMT ELECTRIC METALLIC TUBING	ER EXISTING TO BE REMOVED	ERL EXISTING TO BE RELOCATED	ERLD EXISTING RELOCATED	ETR EXISTING TO REMAIN	EXIST EXISTING	FLSH FLUSH	FBO FURNISHED BY OTHERS	FDR FEEDER	FIXT FIXTURE	FLR FLOOR	FLA FULL LOAD AMPS	FLUOR FLUORESCENT	GC GENERAL CONTRACTOR	GFI GROUND FAULT INTERRUPTER	GRG GALVANIZED RIGID CONDUIT	GRD GROUND	GYP GYPSUM BOARD	HOA HAND-OFF-AUTO SWITCH	HPS HORSEPOWER	HVAC HEATING & VENTILATING - AIR CONDITIONING	HVC HEATING VENTILATING CONTRACTOR	ID INDIRECT	IL INTERLOCK	IMC INTERMEDIATE METAL CONDUIT	IU IN UNIT	J-BOX JUNCTION BOX	LTØ LIGHTING	LONG-TIME SHORT-TIME INSTANTANEOUS AND GROUND FAULT TRIP SETTINGS	LV LOW VOLTAGE	LVT LINE VOLTAGE THERMOSTAT	M MICROVAPE	MAG MAGNETIC STARTER	MAN MANUAL STARTER	MCB MAIN CIRCUIT BREAKER	MCS MOLDED CASE SWITCH	MDP MAIN DISTRIBUTION PANEL	MLO MAIN LUGS ONLY	MTD MOUNTED	NIC NOT IN CONTRACT	NU NEAR UNIT	OU ON UNIT	P POLE	FB FUSHERITTON	PEND PENDANT	PC PHOTO CONTROL	PLBØ PLUMBING CONTRACTOR	PNL PANEL	FR PRINTER	R RELAY	RAI REMAIN AS IS	RECS RECEP	RECEPT RECEPTACLE	REF REFRIGERATOR	RG RANGE	RM ROOM	RVS REDUCED VOLTAGE STARTING	SURF SURFACE	SW SWITCH	TIME CLOCK	TCØ TEMPERATURE CONTROL PANEL	TCC TEMPERATURE CONTROL CONTRACTOR	TYP TYPICAL	UCR UNDER COUNTER REFRIGERATOR	UG UNDERGROUND	UNIV UNIVERSAL	VM VENDING MACHINE	WP WEATHERPROOF	XFMR TRANSFORMER
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**SYSTEMS:**



**SPECIAL OUTLET SCHEDULE**

NO.	SERVING	LOC.	FEED FROM		BREAKER		WIRING		VOLT	Ø	LOAD	CONNECTION TYPE	SEE NOTE	
			PANEL	CKT.	SIZE	POLE	NO.	SIZE						COND.
EBB	BASEBOARD HEAT	SEE PLANS	SEE PLANS	SEE PLANS	20A	1	2	12	1/2	120	1	.75KW	HARDWIRED	-
ACCU	AIR COOLED CONDENSING UNIT	SEE PLANS	SEE PLANS	SEE PLANS	20A	2	-	-	-	20Ø	1	-	DISCONNECT	2
ACU	AIR CONDITIONING UNIT	SEE PLANS	SEE PLANS	SEE PLANS	-	-	2	10	1/2	20Ø	1	-	HARDWIRED	1
15	INTERCOM UNIT	SEE PLANS	SEE PLANS	SEE PLANS	20A	1	2	12	1/2	120	1	3KW	HARDWIRED	-

**SPECIAL OUTLET SCHEDULE NOTES:**

- POWER FOR ACU FED FROM ACCU. EC TO PROVIDE WIRING.
- PROVIDE DISCONNECTING MEANS.

**LIGHTING FIXTURE SCHEDULE**

**NOTE:** SEE SPECIFICATIONS SECTIONS 16501, 16502 AND 16510 FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURE AND INSTALLATION REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES REFERENCED BY THE COLUMN TITLED "OPTIONS/ACCESSORIES". MANUFACTURERS LISTED AS ACCEPTABLE SHALL MEET ALL REQUIREMENTS AND FEATURES INDICATED. ACCEPTABLE MANUFACTURERS MUST MEET THE PHOTOMETRIC PERFORMANCE OF THE LISTED UNIT.

**ABBREVIATIONS:**  
 DN = DRY HALL  
 ES = EXPOSED STRUCTURE  
 LG = LAY-IN GRID  
 P = PENDANT  
 PL = PLASTER  
 R = RECESS  
 S = SURFACE  
 W = WALL MOUNTED  
 V = VARIES

DES.	LAMP DATA		DESCRIPTION	LIGHTING FIXTURE		VOLT	MOUNT	CEILING TYPE	FIXTURE DEPTH	OPTIONS/ ACCESSORIES	ACCEPTABLE MANUFACTURERS	SEE NOTE
	NO.	TYPE		MANUFACTURER	CATALOG SERIES							
A	2	F32T8/ML/SPX4/ECO	1' x 4' SURFACE VOLUMETRIC	LITHONIA	STØ 2 32 MVOLT GEBIØPS I/3	120/277	S	DN	3 7/8"		METALUX, COLUMBIA DAYBRITE	-
B	2	F32T8/ML/SPX4/ECO	4' GENERAL PURPOSE INDUSTRIAL W/ CHAIN MTG	LITHONIA	EJ5A 3 32 MVOLT I/3 GEBIØRS	120/277	S	DN	6 3/8"		METALUX, COLUMBIA DAYBRITE	
C	1	15W LED W/ UNIT MIN 5500 DELIVERED LUMENS	4" LED DOWNLIGHT WITH CLEAR HAZE REFLECTOR AND TRIM	HALO	H45Ø1CATI2ØD - EL4Ø5Ø35 - TL4ØH	120/277	R	DN	5 3/8"	IG RATED, APERTURE LESS THAN 16 SQ.IN.	LITHONIA, CAPRI, PRESOCOLITE	
D	2	F32T8/ML/SPX4/ECO	1' x 4' SURFACE VOLUMETRIC WALL MOUNTED HORIZONTAL OVER MIRROR	LITHONIA	STØ 2 32 MVOLT GEBIØPS I/3 F2	120/277	W	DN	3 7/8"		METALUX, COLUMBIA DAYBRITE	
F	1	15W LED W/ UNIT MIN 5500 DELIVERED LUMENS	WALL MOUNTED LED W/EM REMOTE	DUAL LITE	PSN-W	120/Ø	S	W	3 3/8"			
X1	-	LED W/MNT(2) 3 WATT	EDGE LIT - SINGLE FACE CEILING MOUNTED	DUAL LITE	LES CØØ XHA-W	120/277	S	DN	Ø 7/8"	SELF DIAGNOSTIC	SURELITES, COLUMBIA MØPHILBEN, LITHONIA	
X2	2	MR 1Ø	EMERGENCY BATTERY UNIT	DUAL LITE	LZ 2Ø N 6 1 IØW	120/277	S	W	-	SELF DIAGNOSTIC	SURELITES, COLUMBIA MØPHILBEN	
X3	-	LED W/MNT	THERMO PLASTIC EXIT - SINGLE FACE CEILING MOUNTED W/ INTEGRAL EM LIGHT	DUAL LITE	HØXØØ4-Ø3L	120/277	S	DN	7 5/8"	SELF DIAGNOSTIC	SURELITES, COLUMBIA MØPHILBEN	
X4	2	MR 1Ø	EMERGENCY BATTERY UNIT W/ REMOTE CAPACITY, 55 WATT	DUAL LITE	LZ 55 N 1 IØW	120/277	S	W	-	SELF DIAGNOSTIC	SURELITES, COLUMBIA MØPHILBEN	
X5	NONE		EMERGENCY BATTERY UNIT, NO HEADS, 35 WATT	DUAL LITE	LZ 35 N 6 1	120/277	S	W	-	SELF DIAGNOSTIC	SURELITES, COLUMBIA MØPHILBEN	

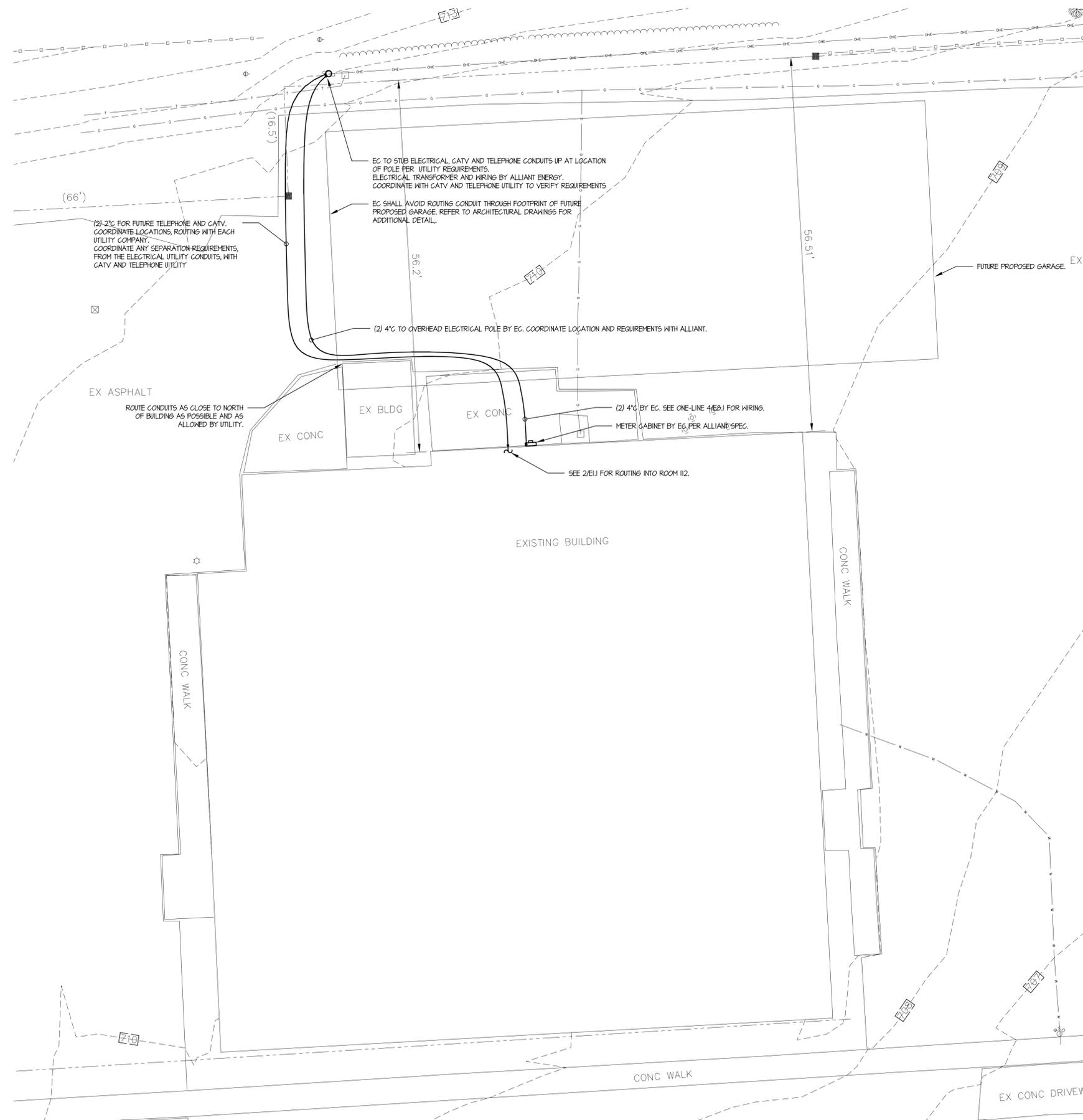
**SHEET INDEX:**

EØ1	SYMBOLS, ABBREVIATIONS AND SCHEDULES
EØ1	DEMOLITION PLAN
EØ1	SITE PLAN
EØ1	FLOOR PLANS
EØ1	DETAILS

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 Project No: 11176-01



**GENERAL NOTES:**  
 1. EG TO PROVIDE CUTTING, TRENCHING, INFILLING AND PATCHING TO MATCH EXISTING FOR ALL UNDERGROUND UTILITY CONDUIT WORK.

1 SITE PLAN  
 E.I.O. SCALE: 1/8"=1'-0"

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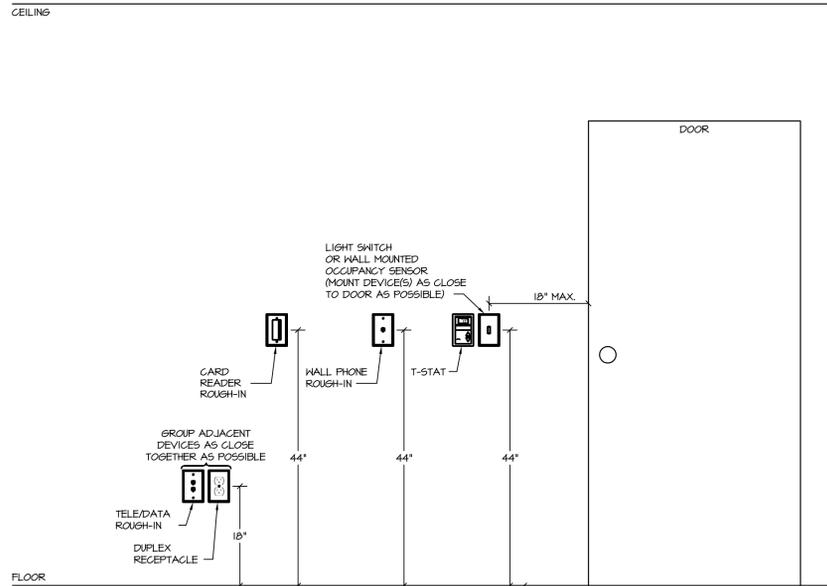
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**SITE PLAN**  
 CLINTON COUNTY GOVERNMENT  
 DEWITT ANNEX - 2012 RENOVATIONS  
 226 11TH STREET  
 DEWITT, IOWA

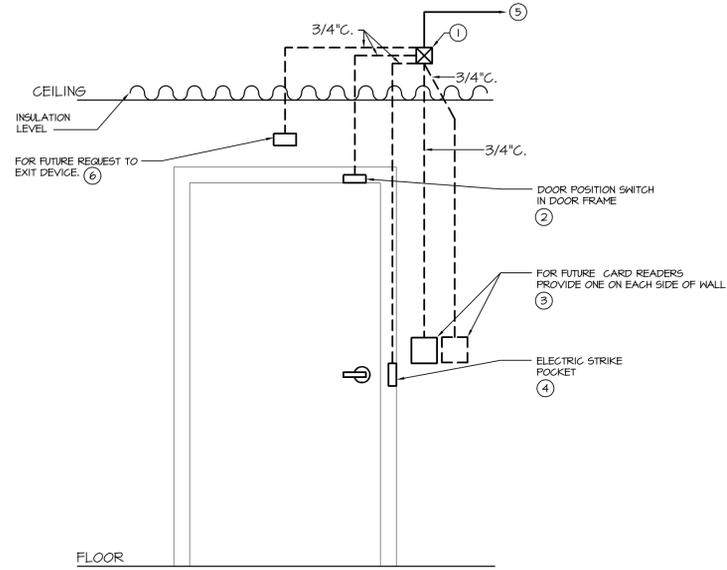
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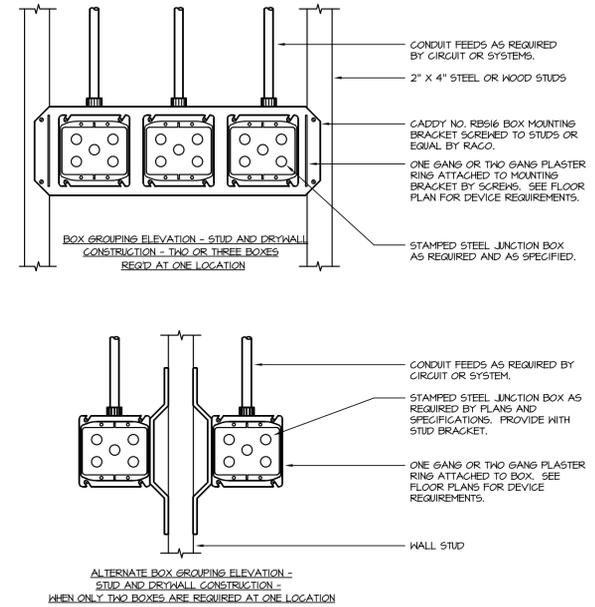
1  
E8.1 TYPICAL MOUNTING HEIGHT DETAIL  
SCALE: NONE



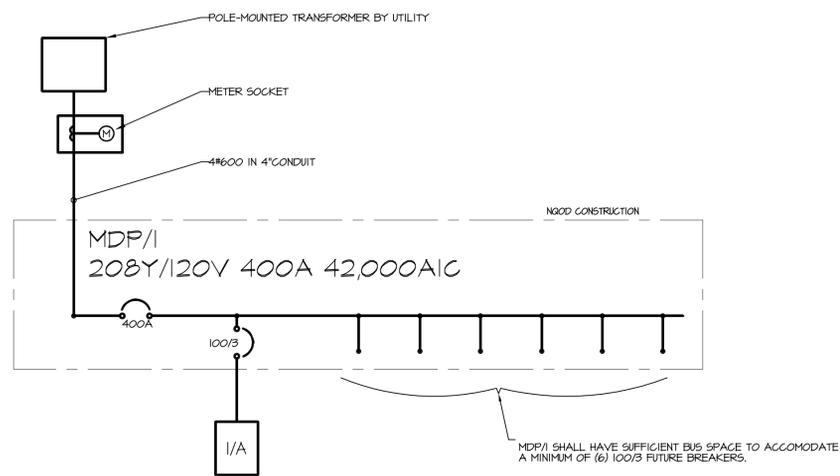
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E8.1 DOOR CONDUIT DETAIL FOR FUTURE ELECTRIC STRIKE, CARD READER, REX  
SCALE: NONE

NOTES:

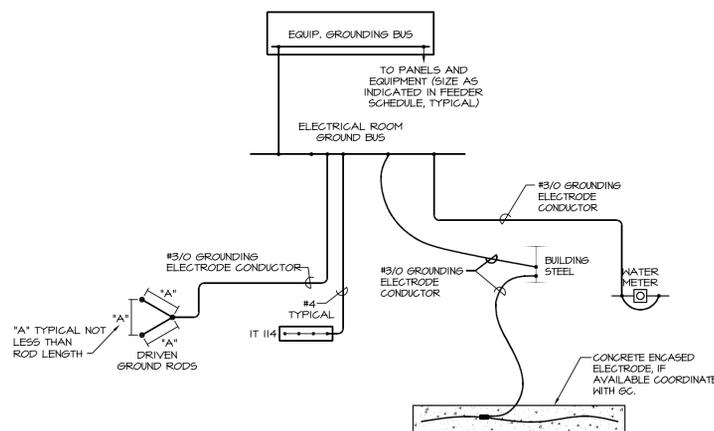
- 1 6"x6"x4" SQUARE JUNCTION BOX WITH BLANK COVER OVER DOOR ABOVE CEILING IN ATTIC OR FLUSH IN FINISHED CEILING WHERE NO ATTIC IS PRESENT.
- 2 COORDINATE WITH DOOR FRAME SUPPLIER.
- 3 4" SQUARE JUNCTION BOX WITH 1 GANG FLUSH RING. COORDINATE WITH DOOR FRAME SUPPLIER.
- 4 3/4" CONDUIT FROM ELECTRIC STRIKE POCKET TO JUNCTION BOX IN ATTIC.
- 5 3/4" CONDUIT TO IT ROOM 114.
- 6 1 GANG FLUSH JUNCTION BOX MOUNTED HORIZONTALLY ON SECURED SIDE OF DOOR 2" ABOVE CENTER OF DOOR FRAME FOR REX MOTION SENSOR.



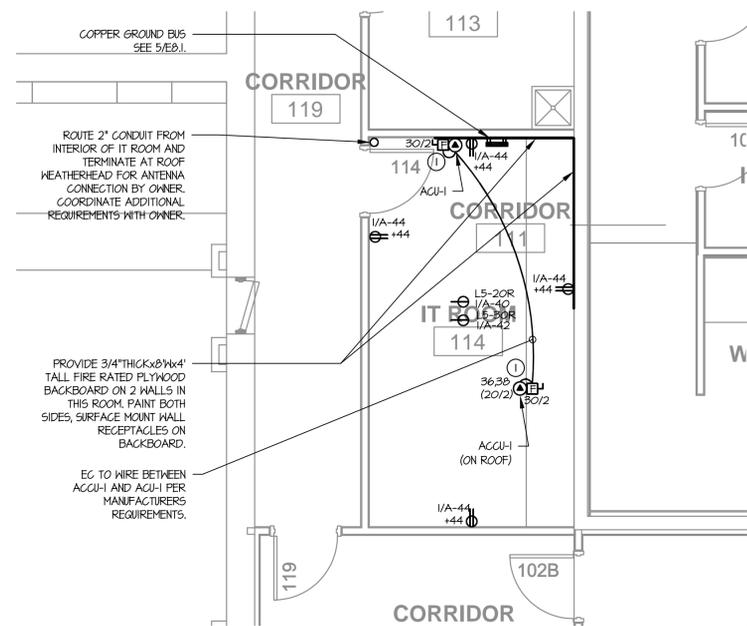
3  
E8.1 DEVICE GROUPING DETAILS  
SCALE: NONE



4  
E8.1 ONE-LINE DIAGRAM  
SCALE: NONE  
NOTE:  
SEE SPECIFICATIONS 26.24.16 FOR PANEL SCHEDULES.



5  
E8.1 GROUNDING SYSTEM DETAIL  
SCALE: NONE  
NOTES:  
ALL CONNECTIONS TO BUILDING STEEL AND GROUND RODS SHALL BE CAD WELDED. ALL CONNECTIONS TO ELECTRICAL ROOM GROUND BUS SHALL BE NON-REVERSIBLE TYPE.



6  
E8.1 ENLARGED IT ROOM 114  
SCALE: 1/4" = 1'-0"

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