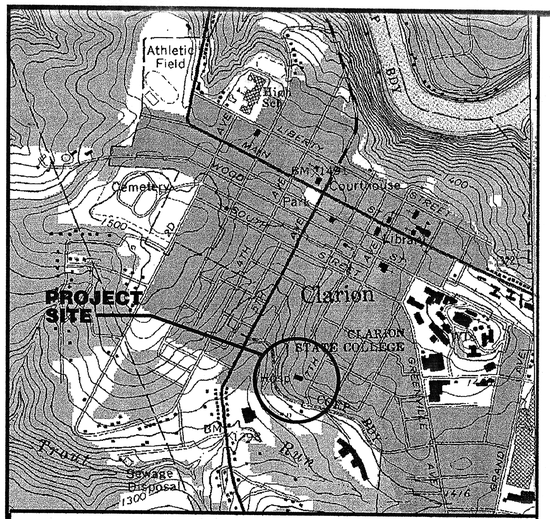
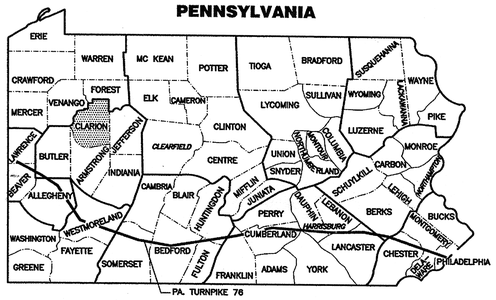
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA
SEPTEMBER 2002



VICINITY MAP
NOT TO SCALE

PENNSYLVANIA



CLARION, CLARION COUNTY, PENNSYLVANIA

SITE LOCATION MAP

NORTH

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE–STOP CALL
Pennsylvania One Call System, Inc.
1–800–242–1776

ARCHITECTURAL SYMBOLS

	BRICK		FIBERGLASS INSULATION
	CONCRETE		SUBBASE
	CONCRETE BLOCK (C.M.U.)		SUBGRADE
	RIGID INSULATION		PLYWOOD
	WOOD		WOOD IN SECTION
1 A-1	SECTION NUMBER SHEET NUMBER		METAL IN SECTION
1 A-1	ELEVATION NUMBER SHEET NUMBER	1	WALL TYPES
1 A-1	DETAIL NUMBER SHEET NUMBER	W-1	WINDOW ID.
		100	ROOM NUMBERS
		100	DOOR REFERENCE

INDEX OF DRAWINGS

DRAWING NO.	TITLE	DRAWING NO.	TITLE	DRAWING NO.	TITLE
COVER		A–20	TOILET PLANS AND ELEVATIONS	HVAC/PLUMBING/ELECTRICAL	
CS	COVER SHEET, LOCATION & VICINITY MAPS, INDEX OF DWGS., ABBREVIATIONS & GENERAL NOTES	A–21	STAIRWELL PLANS AND DETAILS	HPE–1	ROOF PLAN – HVAC, PLUMBING, ELECTRICAL
LANDSCAPE		A–22	MISCELLANEOUS DETAILS		
SD–1	SITE PLAN	A–23	FIRST FLOOR PLAN – REFLECTED CEILING		
SD–2	SITE CONSTRUCTION DETAILS	A–24	SECOND FLOOR PLAN – REFLECTED CEILING	HVAC	
		A–25	THIRD FLOOR PLAN – REFLECTED CEILING	H–2	LEGEND & ABBREVIATIONS – HVAC
		A–26	WINDOW DETAILS (ADD ALTERNATE BID NO. 2)	H–3	FIRST FLOOR PLAN – HVAC
		A–27	FOOD PREPARATION LAYOUT PLAN	H–4	SECOND FLOOR PLAN – HVAC
		A–28	FOOD PREPARATION LAYOUT PLAN	H–5	THIRD FLOOR PLAN – HVAC
				H–6	DETAILS AND SCHEDULES – HVAC
		F–1	FIRE RATED CONSTRUCTION – FIRST FLOOR PLAN		
ARCHITECTURAL		F–2	FIRE RATED CONSTRUCTION – SECOND FLOOR PLAN		
A–1	EXISTING FIRST FLOOR PLAN – DEMOLITION	F–3	FIRE RATED CONSTRUCTION – THIRD FLOOR PLAN		
A–2	EXISTING SECOND FLOOR PLAN – DEMOLITION			PLUMBING	
A–3	EXISTING THIRD FLOOR PLAN – DEMOLITION			P–2	LEGEND & ABBREVIATIONS
A–4	FIRST FLOOR PLAN	STRUCTURAL		P–3	FIRST FLOOR PLAN – PLUMBING
A–5	SECOND FLOOR PLAN	S–1	STRUCTURAL NOTES AND DETAILS	P–4	SECOND FLOOR PLAN – PLUMBING
A–6	THIRD FLOOR PLAN	S–2	FOUNDATION PLANS AND DETAILS	P–5	THIRD FLOOR PLAN – PLUMBING
A–7	EXISTING BUILDING ELEVATIONS – DEMOLITION	S–3	STIFFENER AND LINTEL PLANS	P–6	LARGE SCALE PLANS – PLUMBING
A–8	EXISTING BUILDING ELEVATIONS – DEMOLITION	S–4	CONTROL JOINT PLANS AND DETAILS	P–7	PLUMBING RISER DIAGRAMS
A–9	BUILDING ELEVATIONS	S–5	FRAMING PLANS AND DETAILS	P–8	PLUMBING DETAILS
A–10	BUILDING ELEVATIONS				
A–11	ROOF PLAN			ELECTRICAL	
A–12	ROOM FINISH SCHEDULE			E–2	LEGEND & ABBREVIATIONS
A–13	DOOR SCHEDULE			E–3	FIRST FLOOR PLAN – LIGHTING & POWER
A–14	DOOR AND WINDOW DETAILS			E–4	SECOND FLOOR PLAN – LIGHTING & POWER
A–15	DOOR AND WINDOW DETAILS			E–5	THIRD FLOOR PLAN – LIGHTING & POWER
A–16	BUILDING CROSS SECTION			E–6	ELECTRICAL DETAILS
A–17	BUILDING CROSS SECTION			E–7	ELECTRICAL SCHEDULES AND ONE–LINE RISER
A–18	WALL SECTIONS				
A–19	TOILET PLANS AND ELEVATIONS				

ABBREVIATIONS

A.C.T.	ACOUSTICAL CEILING TILE
A.F.F.	ABOVE FINISH FLOOR
&	AND
∠'s	ANGLES
@	AT
BLDG.	BUILDING
C.M.U.	CONCRETE MASONRY UNIT
COM.	COMMON
CONC.	CONCRETE
CONT.	CONTINUOUS
DIA., ø	DIAMETER
DWG.	DRAWING
EA.	EACH
ELEV.,EL.	ELEVATION
EQ.	EQUAL
EW	EXTERIOR WALL
EXT.	EXTERIOR
EXIST.	EXISTING
EXP.	EXPANSION
MAT'L.,MAT.	MATERIAL
MAX.	MAXIMUM
MIN.	MINIMUM
M.O.	MASONRY OPENING
N.I.C.	NOT IN CONTRACT
NO.,#	NUMBER
O.C.	ON CENTER
O.S.B.	ORIENTED STRAND BOARD
OPG./OPNG.	OPENING
O.H.	OVERHEAD
OPP.	OPPOSITE
P. LAM.	PLASTIC LAMINATE
PVC	POLYVINYLCHLORIDE
QTY.	QUANTITY
REINF.	REINFORCED
REQ'D.	REQUIRED
RM.	ROOM
GA.	GAUGE
GALV.	GALVANIZED
GWB	GYPSUM WALL BOARD
H.	HIGH
HGT.	HEIGHT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
INSUL.	INSULATED, INSULATION
IW	INTERIOR WALL
LB.	POUND
L.B.P.	LEAD BASED PAINT
L.V.	LONG LEG VERTICAL
FL.,FLR.	FLOOR
FT.	FEET
FIN.	FINISH
SCH.,SCHED.	SCHEDULE
SECT.	SECTION
S.F.	SQUARE FEET
SHT.	SHEET
PREFAB.	PREFABRICATED
SIM.	SIMILAR
STL.,ST.	STEEL
THK.	THICK
TYP.	TYPICAL
VERT.	VERTICAL
W/	WITH
W.W.F.	WELDED WIRE FABRIC
R.O.W.	RIGHT–OF–WAY
S.A.T.C.	SUSPENDED ACOUSTICAL TILE CEILING
R.O.	ROUGH OPENING

GENERAL NOTES

1. ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE.
2. ALL CONTRACTORS, BOTH PRIME AND SUB, SHALL COORDINATE THEIR WORK WITH ALL ADJACENT WORK AND SHALL COOPERATE WITH ALL OTHER TRADES SO AS TO FACILITATE THE GENERAL PROGRESS OF THE WORK, AND TO AVOID CONFLICT. NO COMPENSATION WILL BE GIVEN FOR FAILURE OF CONTRACTOR TO COORDINATE THEIR CONTRACT WORK WITH ADJACENT TRADES.
3. THE JOB SITE SHALL BE MAINTAINED IN A REASONABLY NEAT AND ORDERLY CONDITION AND KEPT FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH DURING THE ENTIRE CONSTRUCTION PERIOD.
4. IF ANY SUSPICIOUS OR HAZARDOUS BUILDING MATERIAL IS ENCOUNTERED, STOP WORK AND NOTIFY OWNER AND ARCHITECT.
5. PRIME CONTRACTORS (GENERAL CONSTRUCTION, HVAC CONSTRUCTION, PLUMBING CONSTRUCTION, ELECTRICAL CONSTRUCTION) AND THEIR SUB–CONTRACTORS ARE RESPONSIBLE FOR AND BOUND BY ALL DRAWINGS IN THIS SET OF CONTRACT DRAWINGS, IN TOTAL AS LISTED IN THE "INDEX OF DRAWINGS", AND AS MODIFIED BY ADDENDUM. ANY CLAIM BY ANY CONTRACTOR BASED ON NON–RESPONSIBILITY FOR OR LACK OF COORDINATION WITH THE DRAWINGS OF ALL OTHER TRADES SHALL BE DEEMED A BREACH OF THE CONTRACT TERMS.
6. DRAWINGS SHOWN, COVERING EXISTING CONDITIONS, HAVE BEEN PREPARED FROM THE BEST INFORMATION AVAILABLE. ACTUAL CONDITIONS MAY VARY.
7. ALL WORK IS NEW UNLESS NOTED AS EXISTING.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. (StandardCoverSheet)

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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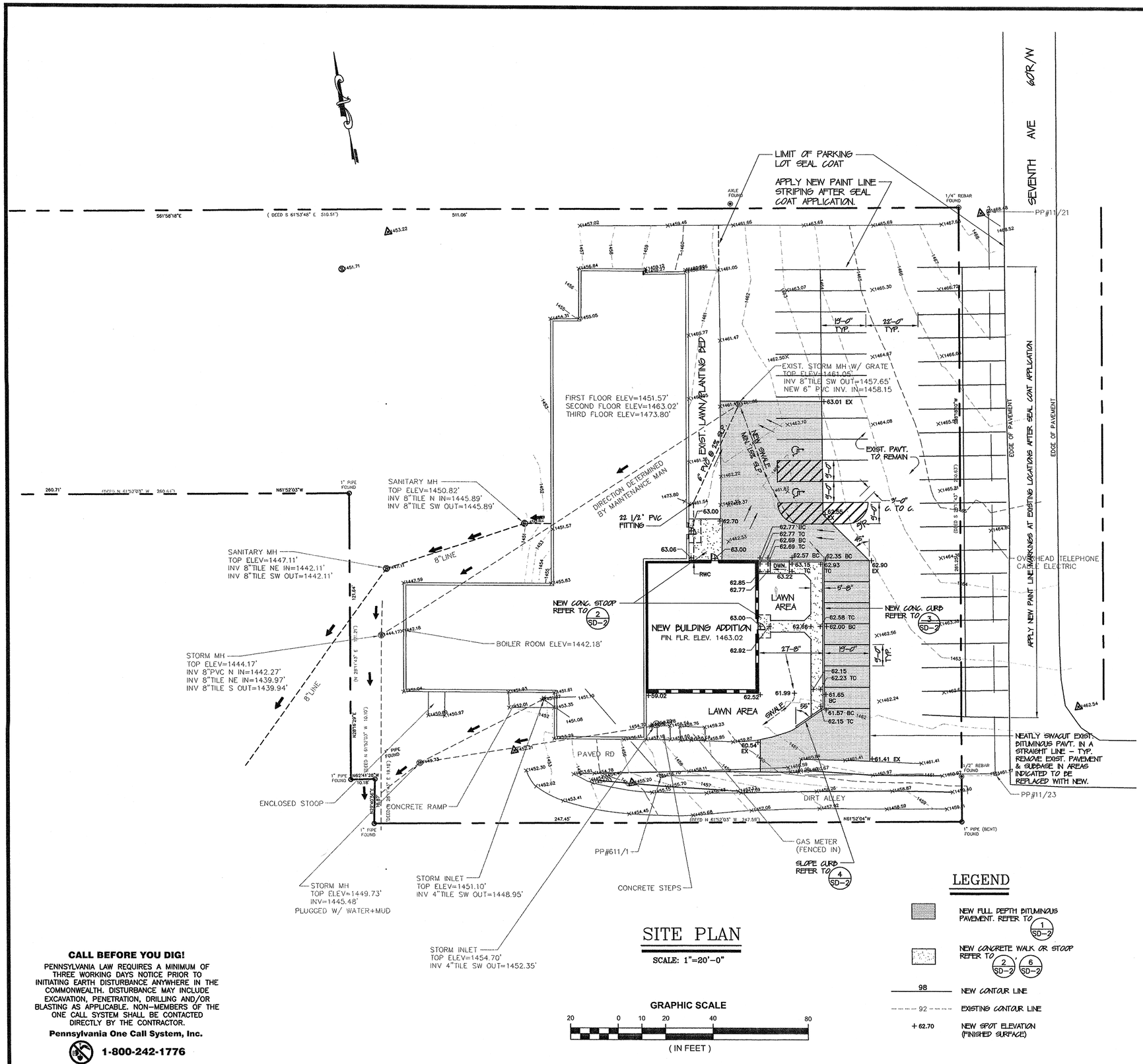
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

COVER SHEET

Drawing No.
CS

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\StandardCoverSht.dwg Fri Sep 06 14:24:39 2002



SITE PLAN

SCALE: 1"=20'-0"

LEGEND

- NEW FULL DEPTH BITUMINOUS PAVEMENT. REFER TO 1 SD-2
- NEW CONCRETE WALK OR STOOP REFER TO 2 SD-2, 6 SD-2
- 98 — NEW CONTOUR LINE
- 92 — EXISTING CONTOUR LINE
- + 62.70 — NEW SPOT ELEVATION (FINISHED SURFACE)

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES A MINIMUM OF THREE WORKING DAYS NOTICE PRIOR TO INITIATING EARTH DISTURBANCE ANYWHERE IN THE COMMONWEALTH. DISTURBANCE MAY INCLUDE EXCAVATION, PENETRATION, DRILLING AND/OR BLASTING AS APPLICABLE. NON-MEMBERS OF THE ONE CALL SYSTEM SHALL BE CONTACTED DIRECTLY BY THE CONTRACTOR.

Pennsylvania One Call System, Inc.

1-800-242-1776

SITE DEVELOPMENT GENERAL NOTES

1. THE CONTRACTOR SHALL REVIEW AND BECOME COMPLETELY FAMILIAR WITH THE EXISTING SITE CONDITIONS IN THE FIELD PRIOR TO BIDDING.
2. DO NOT SCALE THIS DRAWING. ALL CONTRACTORS ARE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY EADS ARCHITECTS OF ANY DISCREPANCY WHICH MAY AFFECT THE DESIGN INTENT.
3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATIONS 408 AND STANDARDS FOR ROADWAY CONSTRUCTION, LATEST EDITIONS, UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS OR TECHNICAL SPECIFICATIONS.
4. EARTHWORK COMPACTION INCLUDING TRENCH BACKFILL, SHALL BE IN ACCORDANCE WITH TECHNICAL SPECIFICATION SECTION 02200.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CONSTRUCTION PHASE PERMITS AS MAY BE APPLICABLE FROM AUTHORITIES HAVING JURISDICTION. THESE PERMITS MAY INCLUDE, BUT ARE NOT LIMITED TO, BUILDING AND EXCAVATION PERMITS. THE CONTRACTOR SHALL IMPLEMENT TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH JURISDICTIONS HAVING AUTHORITY.
6. ALL APPLICABLE EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING WITH CLEARING AND GRUBBING OPERATIONS. IN CASES WHERE THIS IS NOT POSSIBLE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AS SOON AS IT IS PRACTICAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN A STOP WORK ORDER.
7. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON THE ROADWAY AND PARKING AREAS SHALL BE REMOVED BY BROOM SWEEPING AND RETURNED TO THE CONSTRUCTION AREA. WASHING OF THE PAVEMENT SURFACES WITH WATER WILL NOT BE PERMITTED.
8. FURNISH AND INSTALL AN INLET SEDIMENT CONTROL DEVICE (SILTSACK OR EQUIVALENT) IN ALL EXISTING INLETS ON OR OFF THE PROJECT SITE WHICH RECEIVE RUNOFF FROM THE CONSTRUCTION AREA. MAINTAIN AND/OR REPLACE AS NECESSARY.
9. THE CONTRACTOR SHALL FURNISH, PLACE AND COMPACT SATISFACTORY FILL MATERIAL AS NECESSARY TO ACHIEVE FINISHED GRADES. IMPORTED SATISFACTORY FILL MATERIAL SHALL BE IN ACCORDANCE WITH TECHNICAL SPECIFICATION SECTION 02200.
10. THE CONTRACTOR SHALL FURNISH SCREENED TOPSOIL FOR USE IN PLANTING BEDS AND LAWN AREAS IF THE QUANTITY OF TOPSOIL AVAILABLE ON-SITE IS INSUFFICIENT. UPON COMPLETION OF ROUGH GRADING, THE CONTRACTOR SHALL APPLY TOPSOIL (4" MIN. DEPTH) TO ALL DISTURBED AREAS INDICATED TO BE SEEDED, SEED, MULCH AND FERTILIZE AS SPECIFIED IMMEDIATELY UPON REACHING FINAL GRADES.
11. FURNISH AND INSTALL LINK-SEAL OR EQUIVALENT AT ALL LOCATIONS WHERE PIPES, CONDUITS, ETC. PENETRATE INLET/MANHOLE WALLS, FOUNDATION, STOOP FROST WALLS AND RETAINING WALLS TO ENSURE A WATERTIGHT CONNECTION.
12. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
13. WHEN DEWATERING OF SEDIMENT LADEN WATER IN TRENCHES OR OTHER AREAS IS NECESSARY, THE SEDIMENT LADEN WATER SHALL BE PUMPED INTO A FILTER BAG.
14. TRANSITIONS FROM NEW PAVEMENTS TO EXISTING SHALL BE FLUSH AND FREE OF ABRUPT CHANGES UNLESS SPECIFICALLY INSTRUCTED TO DO OTHERWISE BY SPOT ELEVATIONS OR THE CONSTRUCTION DETAILS. LAWN AREAS AND PLANTING BEDS SHALL BE FLUSH WITH ADJACENT CONCRETE STOOPS, WALKWAYS, SIDEWALKS, STAIRS, ETC. UNLESS OTHERWISE INDICATED BY NEW SPOT ELEVATIONS.
15. APPLY TACK COAT BETWEEN VERTICAL AND HORIZONTAL JOINT OF EXIST. AND NEW BITUMINOUS PAVEMENT AND BETWEEN NEW BITUMINOUS PAVEMENT AND NEW CONCRETE CURB OR CONCRETE PAVEMENT IN ACCORDANCE WITH PENNDOT PUBLICATION 408, LATEST EDITION.
16. NEATLY APPLY JOINT SEALER ON TOP OF JOINT BETWEEN EXISTING AND NEW BITUMINOUS PAVEMENT OR CONCRETE CURB IN ACCORDANCE WITH PENNDOT PUBLICATION 408, LATEST EDITION.
17. THE CONTRACTOR SHALL REPAIR EXIST. PAVEMENT, UTILITIES AND OTHER MATERIALS/FINISHES ON OR OFF THE OWNER'S PROPERTY, WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS, TO PRIOR CONDITION OR BETTER. THE CONTRACTOR SHALL ASSUME TOTAL FINANCIAL RESPONSIBILITY FOR ALL DAMAGES.
18. SEED AND MULCH ALL NEW OR DISTURBED LAWN AREAS UTILIZING PENNDOT FORMULA 'B' SEED MIXTURE AND STRAW MULCH (HAY MULCH IS NOT ACCEPTABLE). SEED MIXTURE, FERTILIZER, APPLICATION RATES AND PROCEDURES SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, LATEST EDITION.
19. THE CONTRACTOR SHALL REMOVE EXISTING PLANT MATERIALS AS NECESSARY TO FACILITATE NEW GRADING AND STOOP AND WALKWAY CONSTRUCTION.
20. THE CONTRACTOR SHALL THOROUGHLY CLEAN-OUT ALL EXISTING STORM SEWER PIPES, INLETS, AREA DRAINS AND RELATED CONVEYANCE PIPING AND ROOF DRAIN PIPING. THE CONTRACTOR SHALL HIRE A FIRM THAT SPECIALIZES IN THIS WORK AND IS ACCEPTABLE TO EADS ARCHITECTS.
21. SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR PARKING LOT SEALING: APPLY COMMERCIALLY AVAILABLE COAL TAR EMULSION SEALER TO ALL BITUMINOUS PARKING LOTS AREAS. COAL TAL EMULSION SEALER SHALL BE A PREMIUM GRADE PRODUCT SPECIFICALLY FORMULATED FOR PARKING LOTS AND OTHER LOW SPEED APPLICATIONS. THE SEALER MUST BE RESISTANT TO GREASE, OIL AND GASOLINE AS WELL AS OTHER DAMAGING SUBSTANCES. SEALER SHALL CONFORM TO FEDERAL SPECIFICATION 355-E ASTM D2922-79, ASTM D2939-78 AND ASTM 9423-84. SUBMIT MANUFACTURER'S CATALOG DATA AND SPECIFICATIONS TO ARCHITECT AND OWNER FOR APPROVAL. COMPLETE PARKING LOT SEALING AS FOLLOWS: STEP 1 - COMPLETE FULL DEPTH PAVEMENT REHABILITATION AT THE LOCATIONS INDICATED AND SEAL ALL CRACKS THROUGHOUT THE EXISTING PARKING LOT WITH AC-20 JOINT SEALANT. STEP 2 - PRIOR TO APPLYING SEALER, ERECT BARRIERS TO KEEP VEHICLES AND FOOT TRAFFIC OFF OF THE WORK AREA AND THOROUGHLY SWEEP CLEAN BITUMINOUS PAVEMENT SURFACE. REMOVE ALL GREASE AND OIL SPOTS WITH A SPECIALIZED DETERGENT OR CLEANER. COMPLETE CLEANING BY RINSING WITH WATER THE ENTIRE AREA TO BE SEALED. ALLOW SURFACE TO DRY BEFORE APPLYING SEALER. STEP 3 - APPLY SEALER TO COVER ALL EXISTING PAINT LINE MARKINGS AND ALLOW TO DRY BEFORE PROCEEDING TO THE NEXT STEP. STEP 4 - APPLY SEALER TO ALL NEW AND EXISTING BITUMINOUS PAVEMENT AREAS IN TWO THIN COATS RATHER THAN ONE THICK COAT. APPLY SECOND COAT PERPENDICULAR TO THE FIRST COAT AFTER THE FIRST COAT HAS COMPLETELY DRIED. APPLY SEALER CAREFULLY TO AVOID SMEARING PORTLAND CEMENT CONCRETE SURFACES. COMPLETELY REMOVE SEALER FROM ADJACENT CONCRETE SURFACES. REFER TO MANUFACTURER'S APPLICATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS. ALLOW SEALER TO CURE FOR A MINIMUM OF 24 HOURS OR AS RECOMMENDED BY THE MANUFACTURER WHICHEVER IS GREATER. STEP 5 - APPLY NEW PAINT MARKINGS AS DETAILED AND REMOVE BARRIERS. THE SEALING LIMITS ARE AS DESCRIBED HEREIN ADN DELINEATED ON THE DRAWING.
22. ALL EXCESS OR WASTE MATERIALS SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF THE OWNER'S PROPERTY UNLESS OTHERWISE DIRECTED BY THE OWNER. BURNING IS PROHIBITED ON THE PROJECT SITE.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: 09/05/02
Drawn By: KAC
Checked By: GLE
Project No. 240022072.10
File No. CC2072SD-1.DWG

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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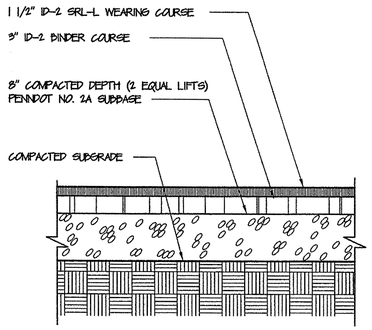
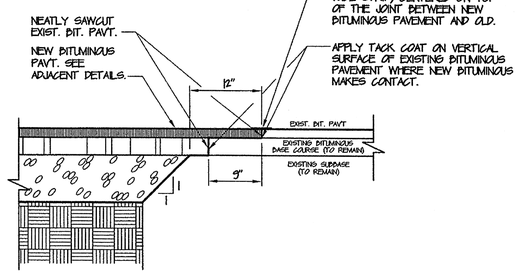
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

SITE PLAN

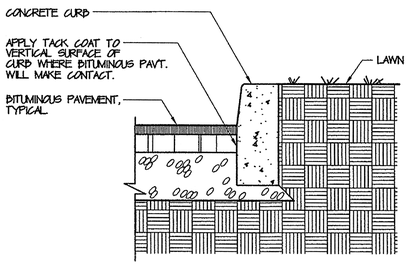
Drawing No.
SD-1



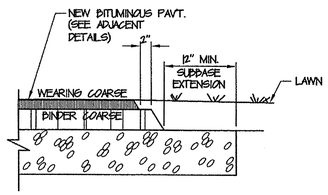
BITUMINOUS PAVEMENT – TYPICAL



LONGITUDINAL SECTION ABUTTING EXISTING PAVEMENT TO REMAIN
(TYPICAL)



PAVEMENT EDGE WITH CURB
(TYPICAL)



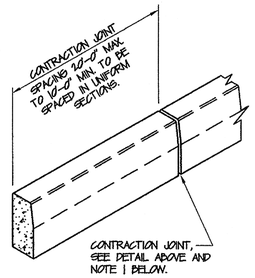
PAVEMENT EDGE (NO CURB)
(TYPICAL)

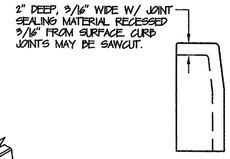
NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408 AND STANDARDS FOR ROADWAY CONSTRUCTION, LATEST EDITIONS, UNLESS OTHERWISE NOTED.
2. JOINT SEALANT AND TACK COAT MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTIONS 469 AND 460, LATEST EDITION.

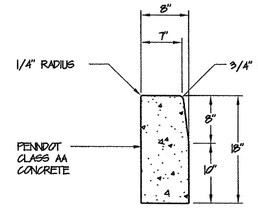
1 SD-2 BITUMINOUS PAVEMENT – TYPICAL

NOT TO SCALE





CONTRACTION JOINT



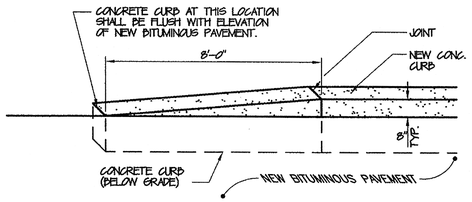
TYPICAL CROSS SECTION

NOTES:

1. JOINTS OF CONCRETE CURB SHALL LINE UP WITH JOINTS OF THE ADJACENT CONCRETE WALK. (WHERE APPLICABLE).
2. CLASS AA CONCRETE SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 704, LATEST EDITION.
3. CURB REVEAL SHALL BE 7" UNLESS OTHERWISE NOTED. EXISTING CONDITIONS.
4. REFER TO PENNDOT PUBLICATION 72M, RC-64M.

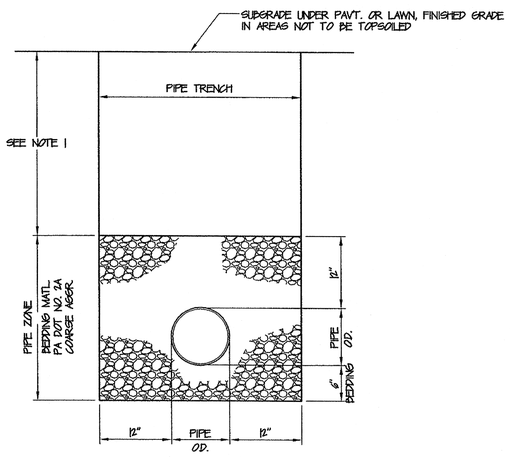
3 SD-2 CONCRETE CURB

NOT TO SCALE



4 SD-2 SLOPED CURB

NOT TO SCALE



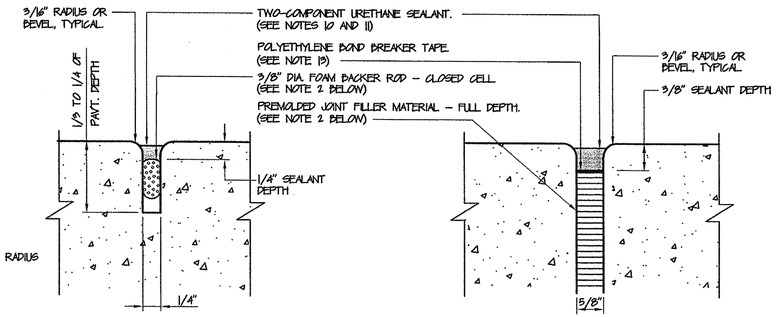
PLASTIC PIPE

NOTES:

1. PIPE TRENCH BACKFILL: PAVED AREAS – PADOT NO. 2A COARSE AGGREGATE. NON-PAVED AREAS – SATISFACTORY MATERIAL FREE OF ROCKS OR GRAVEL LARGER THAN 3" IN ANY DIMENSION.
2. ALL POLYETHYLENE AND PVC PIPE SHALL HAVE A SMOOTH INTERIOR HAVING A N-VALUE OF 0.012 OR LESS.
3. SEE PLANS FOR PIPE SIZE, MATERIAL TYPE AND LOCATIONS.

5 SD-2 PIPE TRENCH AND BEDDING DETAIL

NOT TO SCALE

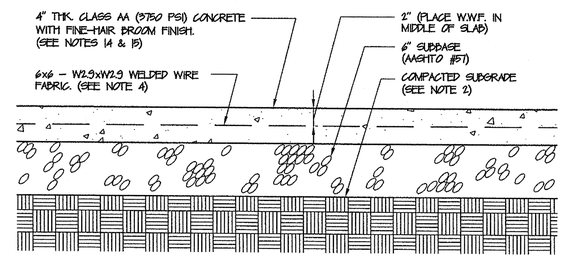


CONTRACTION JOINT – TYPICAL
(ACTUAL SIZE SHOWN)

ISOLATION JOINT – TYPICAL
(ACTUAL SIZE SHOWN)

JOINT NOTES

1. CONCRETE PAVEMENT, WALK AND RAMP JOINTS SHALL BE TOOLED, NOT SAWCUT.
2. JOINT FILLER MATERIAL (@ ALL ISOLATION JOINTS) SHALL BE CORK, SPONGE RUBBER OR FIBER IN ACCORDANCE W/ PENNDOT PUBLICATION 408. FOAM BACKER ROD (@ ALL CONTRACTION JOINTS) SHALL BE MANUFACTURED FOR USE IN PAVEMENT AND WALKWAY JOINTS BY THE JOINT SEALANT MANUFACTURER.
3. EADS ARCHITECTS, INC. RESERVES THE RIGHT TO DISASSEMBLE ONE (1) ISOLATION AND ONE (1) CONTRACTION JOINT AT THE CONTRACTOR'S EXPENSE TO DETERMINE COMPLIANCE WITH CONTRACT REQUIREMENTS.



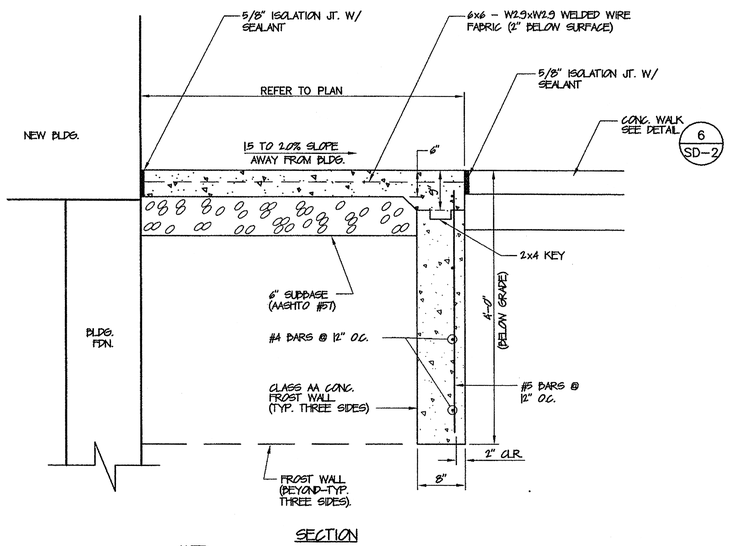
SECTION

CONCRETE WALK NOTES

1. CONCRETE WALKS, CURBS AND CONCRETE PAVEMENT SHALL BE CLASS AA, IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 704, LATEST EDITION. UNLESS OTHERWISE NOTED, CONSTRUCTION OF CONCRETE WALKS SHALL BE IN ACCORDANCE WITH SECTION 676.
2. COMPACT PAVEMENT/WALK SUBGRADE TO 95% MAX. MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH ASTM D557. REFER TO TECHNICAL SPECIFICATION SECTION 02200 FOR ADDITIONAL INFORMATION. NOTIFY ARCHITECT UPON COMPLETING SUBGRADE COMPACTION. DO NOT APPLY SUBBASE UNTIL COMPACTION HAS BEEN APPROVED BY THE TESTING AGENCY.
3. DO NOT USE 2x4's FOR FORMING CONCRETE WALKS. 2x4's YIELD A CONCRETE DEPTH OF 3 1/2", WHICH IS UNACCEPTABLE.
4. FURNISH WELDED WIRE FABRIC IN FLAT SHEETS, NOT ROLLS. ACCURATELY PLACE AS DETAILED. A MINIMUM OF ONE CHAIR PER 16 SQUARE FEET IS REQUIRED FOR MESH SUPPORT.
5. ISOLATION JOINTS TO BE LOCATED WHERE CONCRETE MEETS BUILDING WALLS, FOUNDATIONS, AND CURBS. ISOLATION JOINTS SHALL ALSO BE CONSTRUCTED AT ANY CHANGE OF DIRECTION.
6. ISOLATION JOINTS TO BE TYPICALLY SPACED AT 20'-0" INTERVALS ON WALKS.
7. CONTRACTION JOINTS TO BE TYPICALLY SPACED AT 5'-0" INTERVALS ON WALKS.
8. SPACE JOINTS IN CONCRETE PAVEMENT TO FORM SQUARE OR NEARLY SQUARE PANELS. THE PANEL LENGTH SHALL NOT EXCEED WIDTH BY MORE THAN 33% (MAX. ASPECT RATIO = 1.33:1.00).
9. JOINT SPACING IN IRREGULAR SHAPED AREAS OF PAVEMENT OR PAVEMENT OTHER THAN WALKS SHALL BE IN COMPLIANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
10. THE JOINT SEALANT MATERIAL SHALL BE TWO-COMPONENT URETHANE SPECIFICALLY MANUFACTURED FOR USE AS A PAVEMENT JOINT SEALANT. SEALANT SHALL BE TYPE M, GRADE P OR NS., CLASS 25 AND USE T IN ACCORDANCE WITH ASTM C 920. THE CONTRACTOR SHALL CONSULT THE JOINT SEALANT MANUFACTURER FOR USE OF SPECIFIED SEALANT IN JOINTS OF PAVEMENT OR RAMPS WITH SLOPES GREATER THAN 5%. A GUN GRADE JOINT SEALANT WITH A TOOLED FINISHED MAY BE NECESSARY FOR USE AT THESE AREAS. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. THE SEALANT COLOR SHALL MATCH THE ADJACENT CONCRETE. INSTALL SEALANT, BOND BREAKER TAPE, BACKER ROD/ PREMOLDED JOINT FILLER AS DETAILED AND IN STRICT COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.
11. THE TOP OF THE JOINT SEALANT MATERIAL SHALL NOT BE LESS THAN 1/16" NOR MORE THAN 3/16" BELOW THE SURFACE OF THE PAVEMENT.
12. CUT ISOLATION JOINT FILLER MATERIAL TO CONFORM TO THE CROSS SECTION OF THE PAVEMENT AND FURNISH IN STRIPS EQUAL TO THE WIDTH OF THE PAVEMENT SLAB.
13. POLYETHYLENE BOND BREAKER TAPE SHALL BE SPECIFICALLY MANUFACTURED FOR THIS APPLICATION AND RECOMMENDED BY THE SEALANT MANUFACTURER.
14. NEW CONCRETE SURFACES WITH SLOPES LESS THAN 5% SHALL HAVE A FINE-HAIR BROOM FINISH PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC.
15. NEW CONCRETE SURFACES WITH SLOPES EQUAL TO OR GREATER THAN 5% (I.E. HANDICAP RAMPS) SHALL HAVE A STIFF BRISTLE BROOM FINISH PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC.

6 SD-2 CONCRETE WALK

SCALE: 1 1/2" = 1'-0" OR AS NOTED



SECTION

NOTE:

1. CLASS AA CONCRETE (3750 PSI) SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, LATEST EDITION.

2 SD-2 CONCRETE STOOP – TYPICAL

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: 09/05/02
Drawn By: KAC
Checked By: GLE
Project No. 24002072.10
File No. CC2072SD-2.DWG

Seal

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Approved By: Date:

Approved By: Date:

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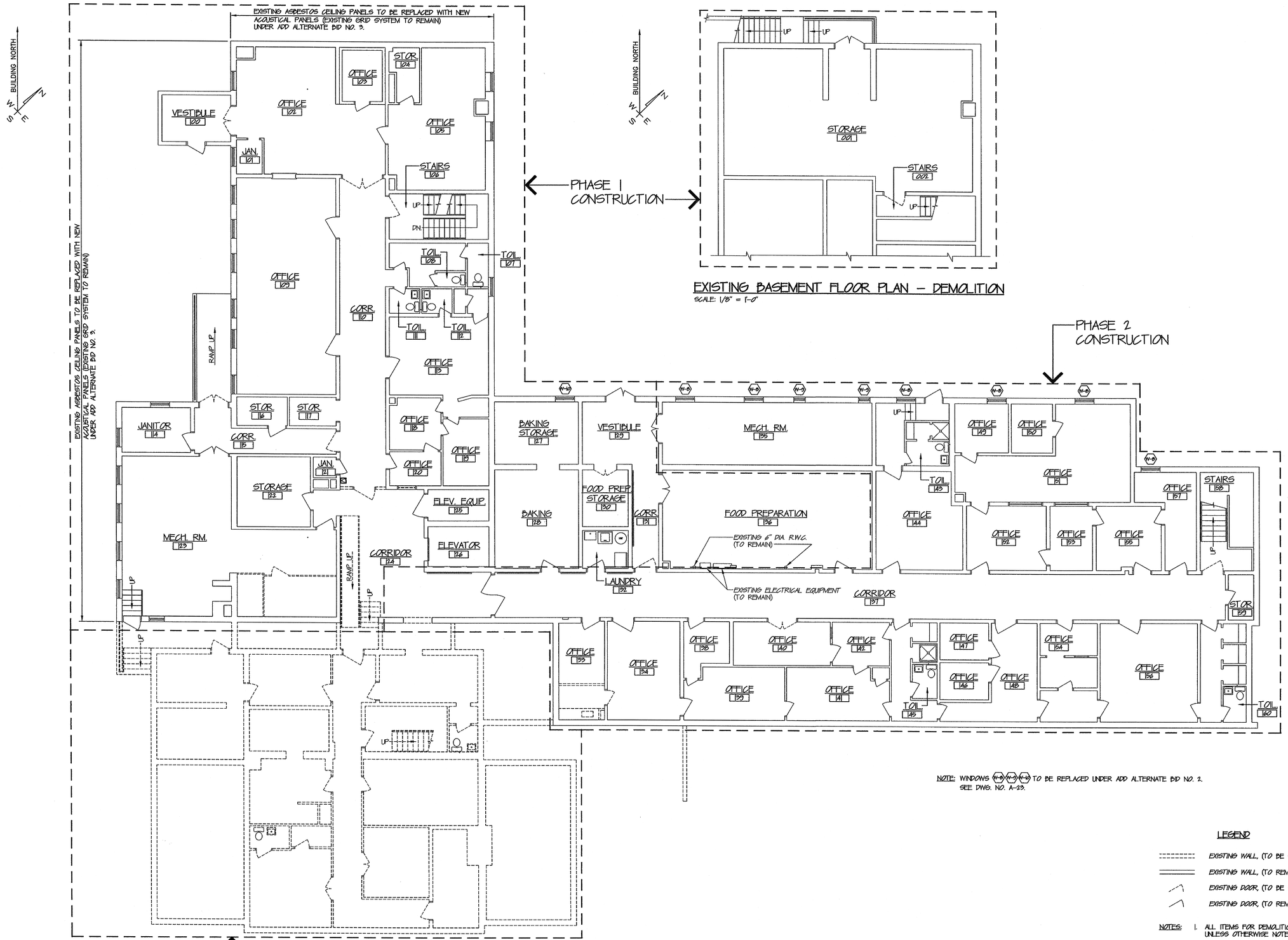
CLARION, PENNSYLVANIA

SITE CONSTRUCTION DETAILS

Drawing No.
SD-2



EXISTING BASEMENT FLOOR PLAN – DEMOLITION
SCALE: 1/8" = 1'-0"

EXISTING FIRST FLOOR PLAN – DEMOLITION
SCALE: 1/8" = 1'-0"

NOTE: WINDOWS W-8 W-9 W-10 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.

LEGEND

- EXISTING WALL, (TO BE REMOVED)
- EXISTING WALL, (TO REMAIN)
- EXISTING DOOR, (TO BE REMOVED)
- EXISTING DOOR, (TO REMAIN)

NOTES:
1. ALL ITEMS FOR DEMOLITION ARE BY G.C., UNLESS OTHERWISE NOTED.
2. PATCH AND REPAIR ALL ADJACENT EXISTING FINISHES TO ORIGINAL FINISH IN AREAS OF DEMOLITION.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A1(first. flr. plan)

Seal

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Approved By: Date:

Approved By: Date:

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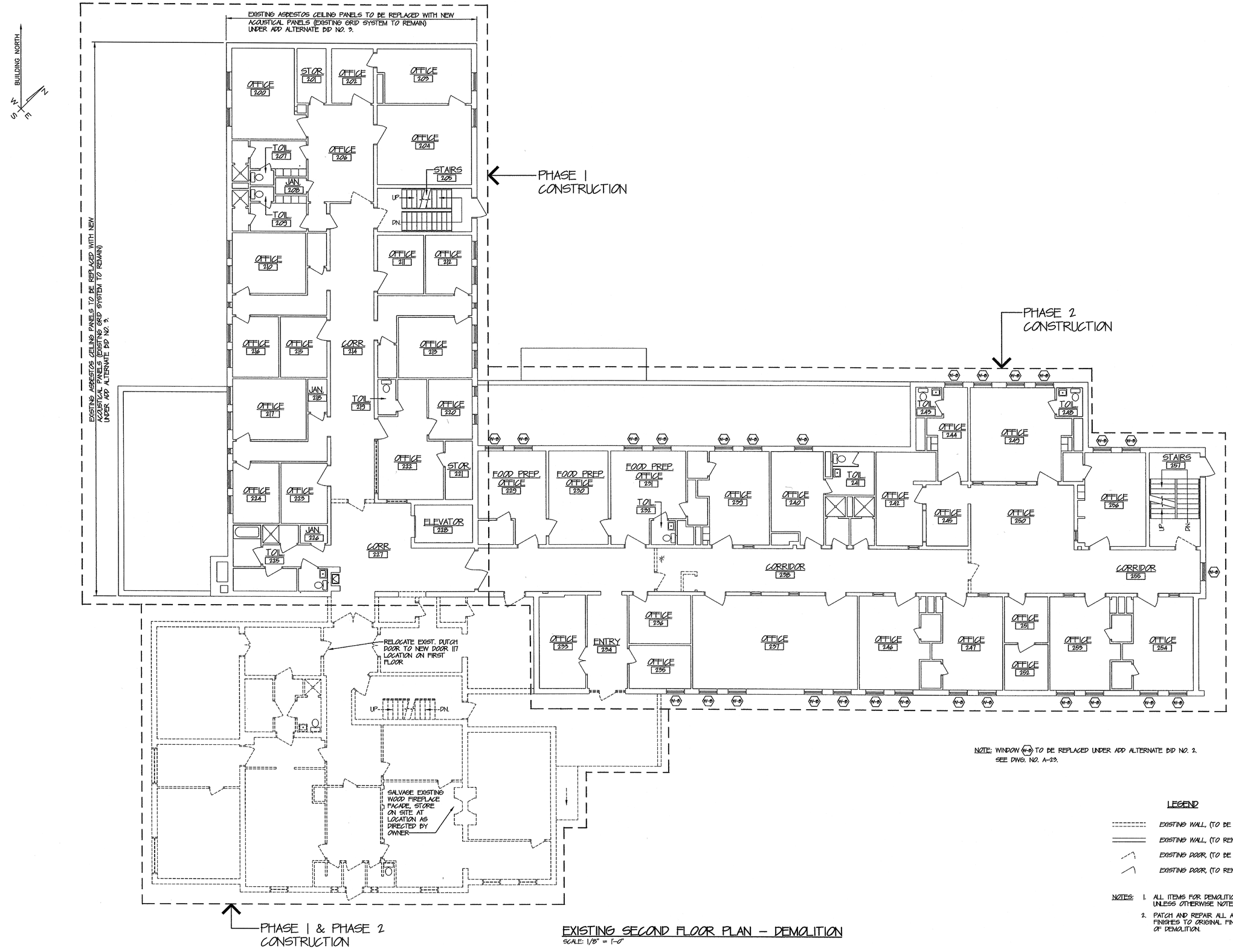
EXISTING FIRST FLOOR PLAN - DEMOLITION

Drawing No.
A-1

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A1(first. flr. plan).dwg Wed Sep 04 12:06:42 2002



NOTE: WINDOW (W-8) TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.

LEGEND

- EXISTING WALL, (TO BE REMOVED)
- EXISTING WALL, (TO REMAIN)
- EXISTING DOOR, (TO BE REMOVED)
- EXISTING DOOR, (TO REMAIN)

NOTES:
1. ALL ITEMS FOR DEMOLITION ARE BY G.C., UNLESS OTHERWISE NOTED.
2. PATCH AND REPAIR ALL ADJACENT EXISTING FINISHES TO ORIGINAL FINISH IN AREAS OF DEMOLITION.

EXISTING SECOND FLOOR PLAN – DEMOLITION

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A2(second flr. plan)

Seal

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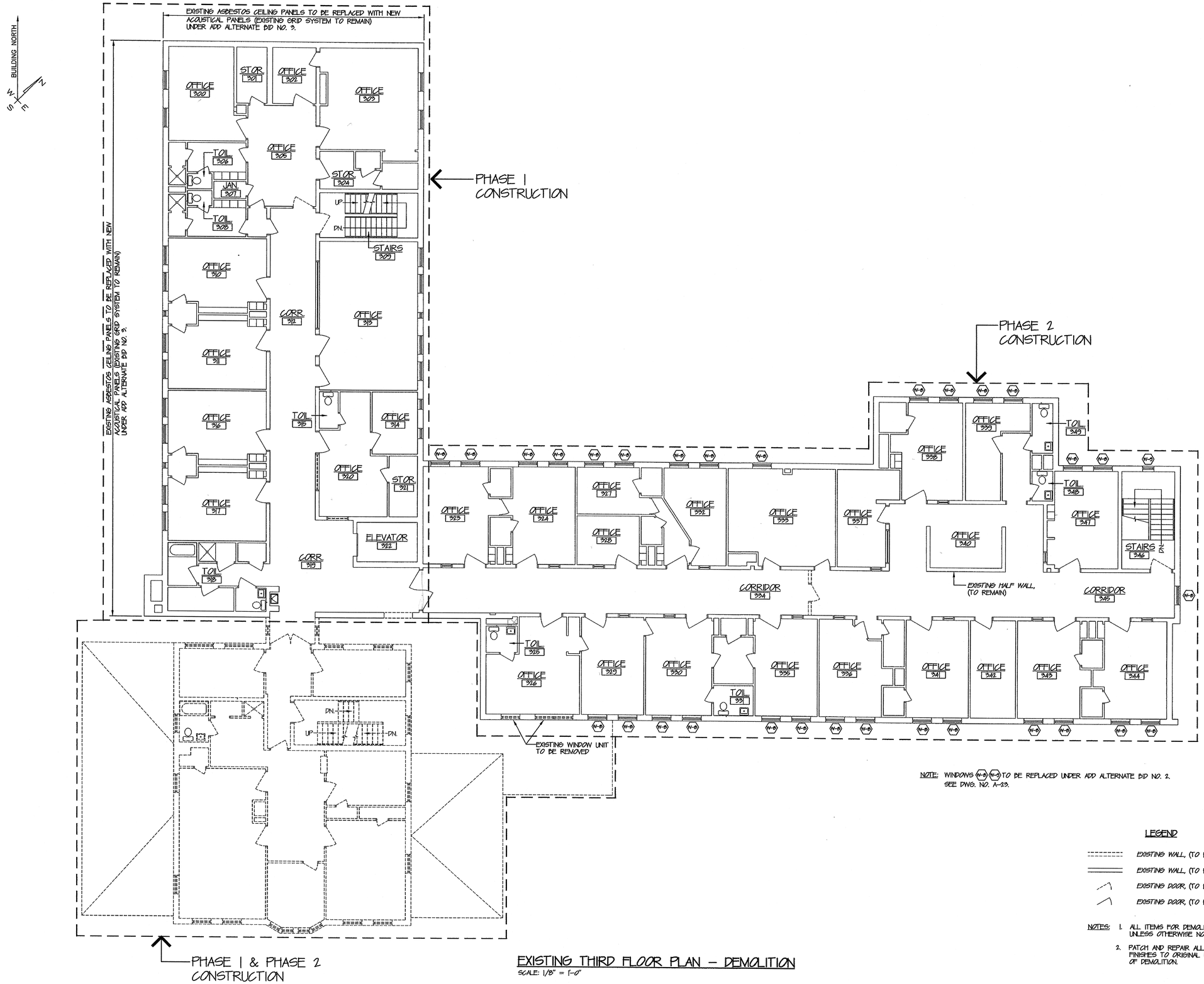
EXISTING SECOND FLOOR PLAN - DEMOLITION

Drawing No.
A-2

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A2(second flr. plan).dwg Tue Sep 03 16:30:03 2002



NOTE: WINDOWS W-8 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.

LEGEND

- EXISTING WALL, (TO BE REMOVED)
- EXISTING WALL, (TO REMAIN)
- EXISTING DOOR, (TO BE REMOVED)
- EXISTING DOOR, (TO REMAIN)

NOTES:
1. ALL ITEMS FOR DEMOLITION ARE BY G.C., UNLESS OTHERWISE NOTED.
2. PATCH AND REPAIR ALL ADJACENT EXISTING FINISHES TO ORIGINAL FINISH IN AREAS OF DEMOLITION.

EXISTING THIRD FLOOR PLAN – DEMOLITION

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS. Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A3(third flr. plan)

Seal

Seal

Approved By: Date:

Approved By: Date:

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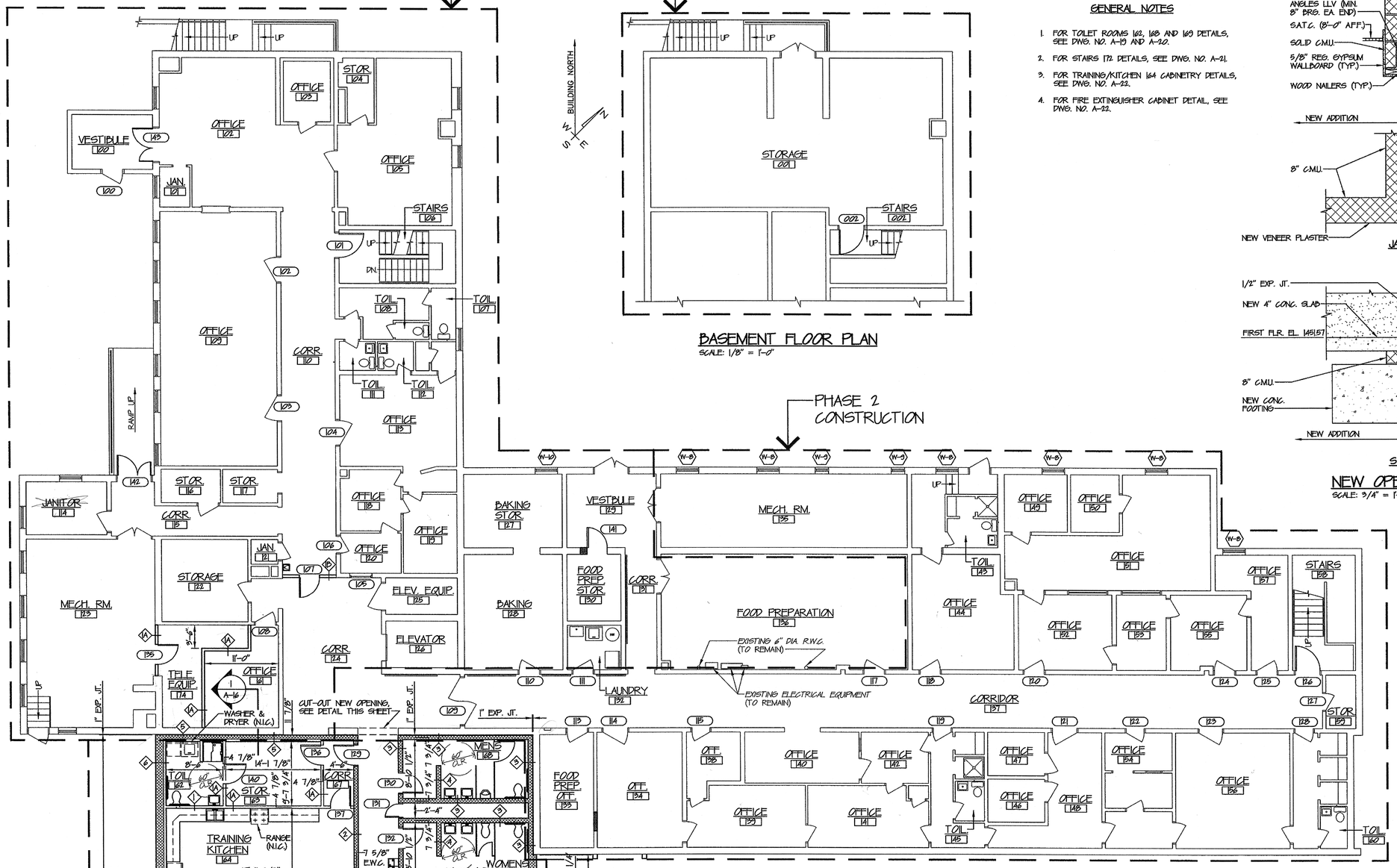
EXISTING THIRD FLOOR PLAN - DEMOLITION

Drawing No.
A-3

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A3(third flr. plan).dwg Tue Sep 03 16:37:15 2002



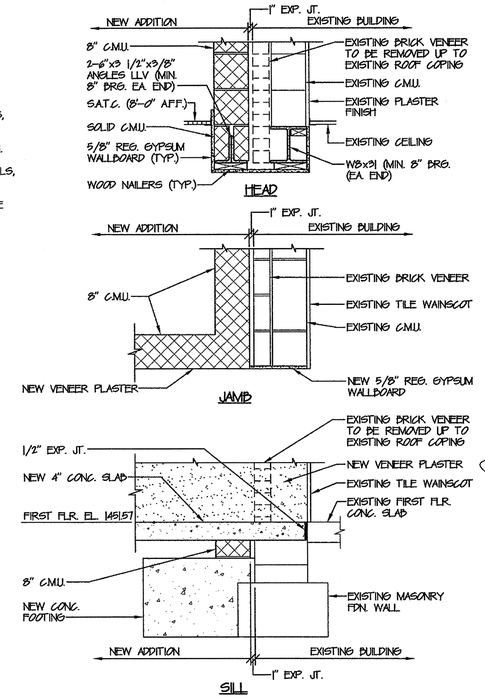
PHASE 1 & PHASE 2 CONSTRUCTION

FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

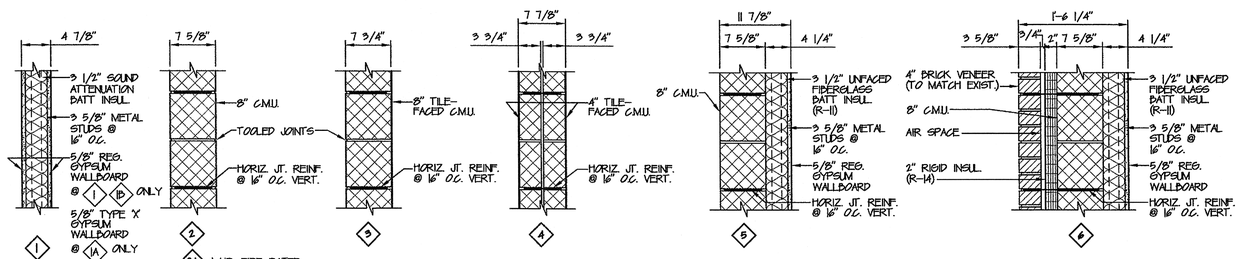
GENERAL NOTES

1. FOR TOILET ROOMS 162, 168 AND 169 DETAILS, SEE DWG. NO. A-19 AND A-20.
2. FOR STAIRS 172 DETAILS, SEE DWG. NO. A-21.
3. FOR TRAINING/KITCHEN 164 CABINETRY DETAILS, SEE DWG. NO. A-22.
4. FOR FIRE EXTINGUISHER CABINET DETAIL, SEE DWG. NO. A-22.



NEW OPENING DETAIL
SCALE: 3/4" = 1'-0"

NOTE: WINDOWS W-8, W-9, W-10 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.



WALL TYPES
SCALE: 1" = 1'-0"

NOTE: ALL WALL TYPES TO EXTEND UP TO FLOOR DECK.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 2400207.2.10
File No. A4(first. flr. plan)

Seal

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Date:
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Date:
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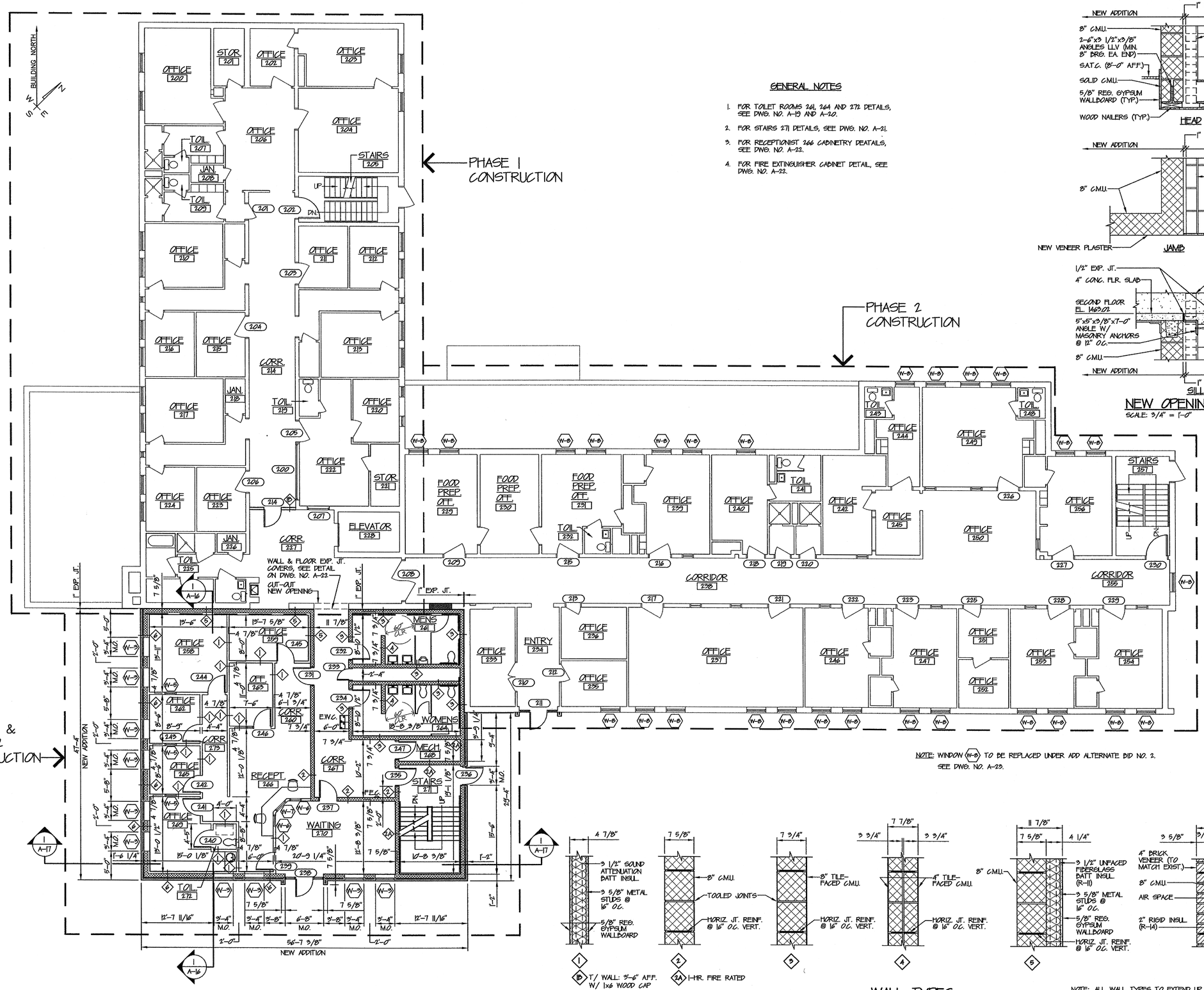
FIRST FLOOR PLAN

Drawing No.
A-4

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A4(first. flr. plan).dwg Fri Sep 06 10:45:08 2002


BUILDING NORTH
PHASE 1 CONSTRUCTION
PHASE 2 CONSTRUCTION
PHASE 1 & PHASE 2 CONSTRUCTION
OFFICE 200
STOR. 201
OFFICE 202
OFFICE 203
OFFICE 204
OFFICE 206
TOIL. 207
JAN. 208
TOIL. 209
STAIRS 205
UP
DN.
OFFICE 210
OFFICE 211
OFFICE 212
OFFICE 213
OFFICE 215
OFFICE 216
CORR. 214
JAN. 218
TOIL. 219
OFFICE 220
OFFICE 217
OFFICE 222
STOR. 221
OFFICE 224
OFFICE 223
JAN. 226
CORR. 227
ELEVATOR 228
TOIL. 225
WALL & FLOOR EXP. JT. COVERS, SEE DETAIL ON DWG. NO. A-22.
CUT-OUT NEW OPENING
1" EXP. JT.
FOOD PREP. OFF. 229
FOOD PREP. OFF. 230
FOOD PREP. OFF. 231
TOIL. 232
OFFICE 239
OFFICE 240
TOIL. 241
OFFICE 242
TOIL. 243
OFFICE 244
OFFICE 245
OFFICE 246
OFFICE 249
TOIL. 248
OFFICE 250
STAIRS 251
CORRIDOR 238
CORRIDOR 255
OFFICE 256
OFFICE 257
OFFICE 258
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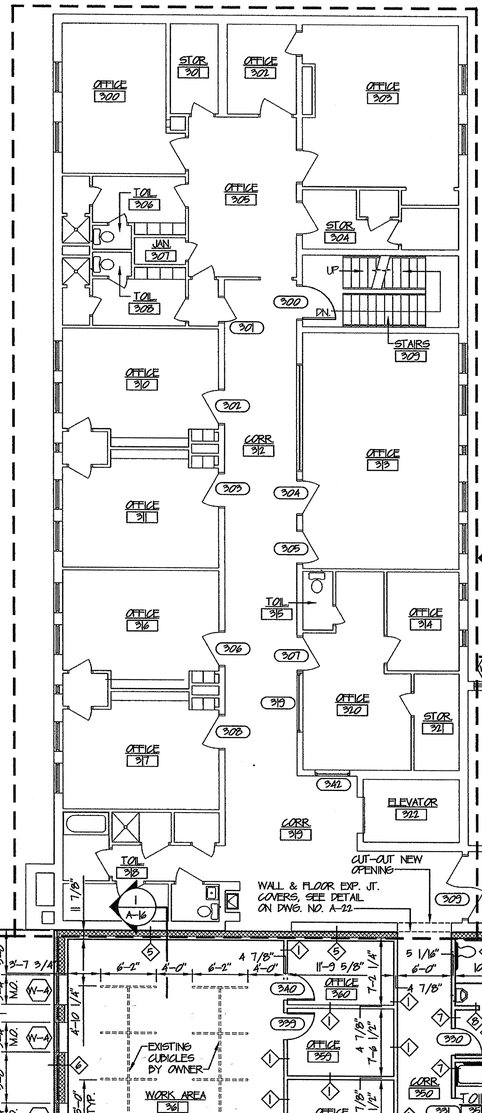
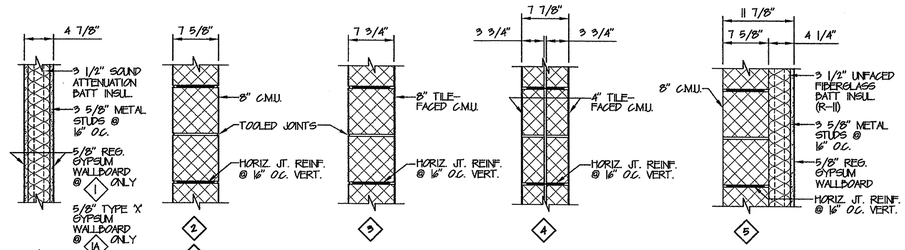
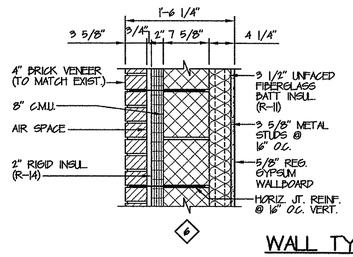
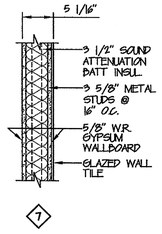
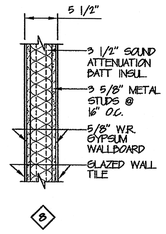
OFFICE







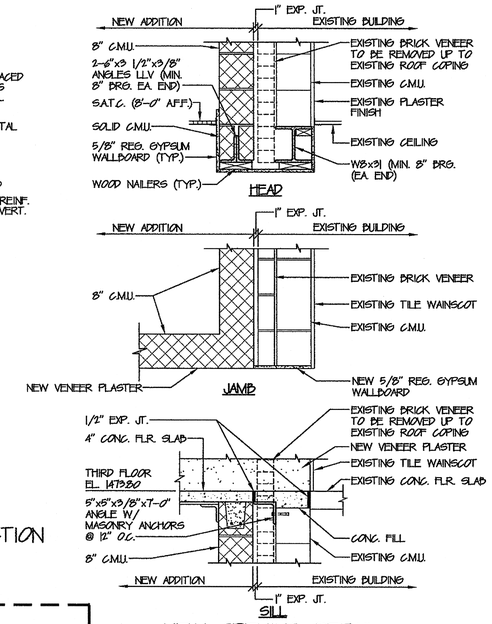




WALL TYPES

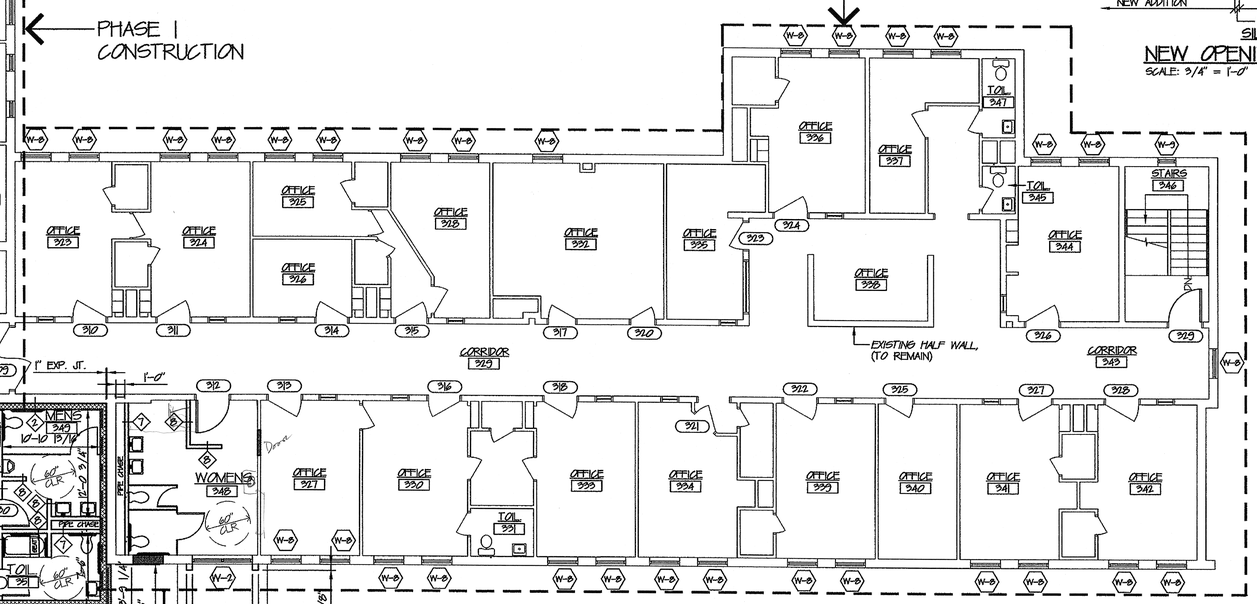
SCALE: 1" = 1'-0"

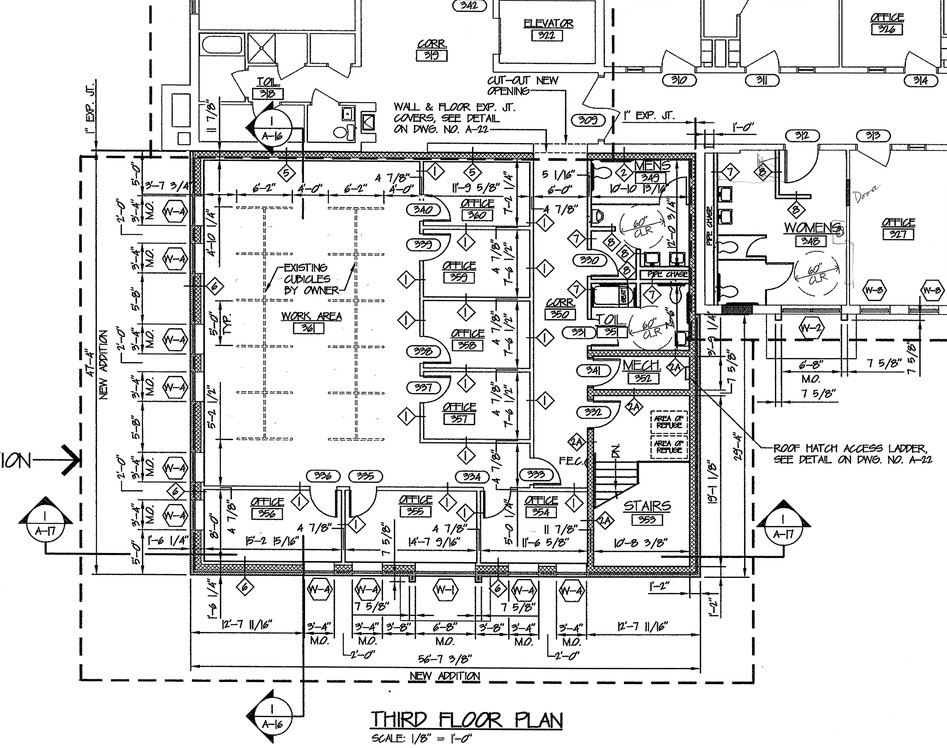
NOTE: ALL WALL TYPES TO EXTEND UP TO UNDERSIDE OF ROOF DECK.



NEW OPENING DETAIL

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





THIRD FLOOR PLAN

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

NOTE: WINDOWS W-8 W-9 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.

GENERAL NOTES

1. FOR TOILET ROOMS 348, 349 AND 351 DETAILS, SEE DWG. NO. A-19 AND A-20.
2. FOR STAIRS 353 DETAILS, SEE DWG. NO. A-21.
3. FOR FIRE EXTINGUISHER CABINET DETAIL, SEE DWG. NO. A-22.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A6(third flr. plan)

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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THIRD FLOOR PLAN

Drawing No.
A-6

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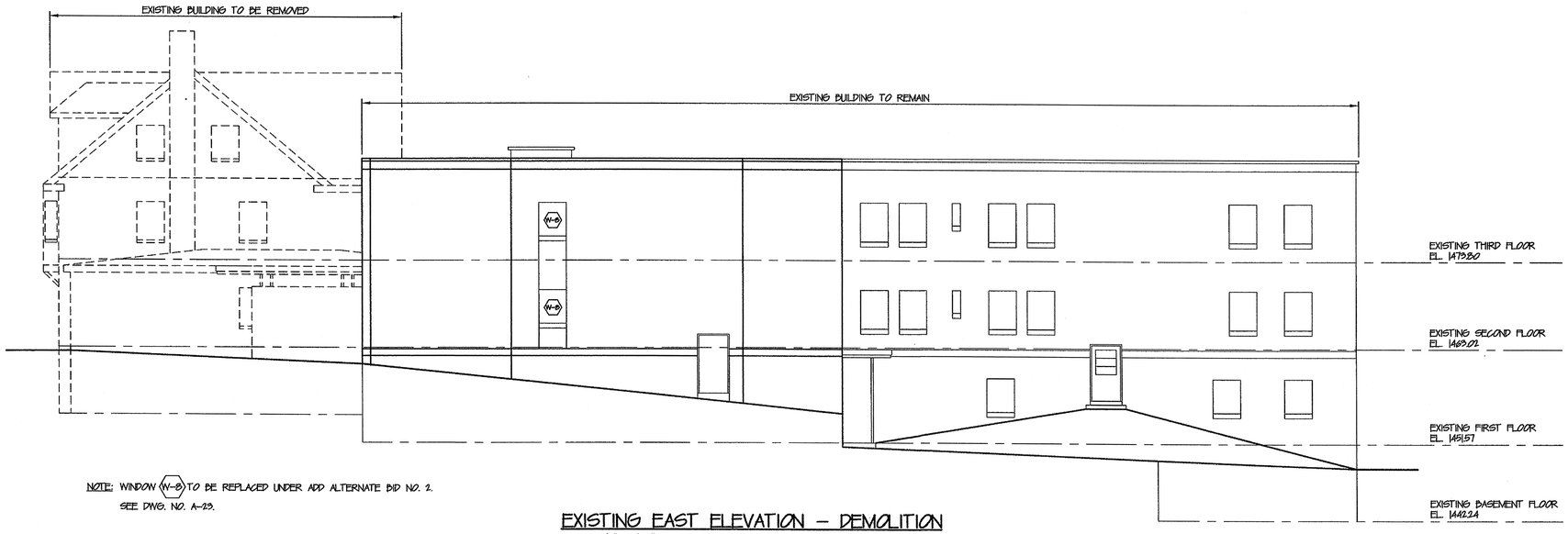
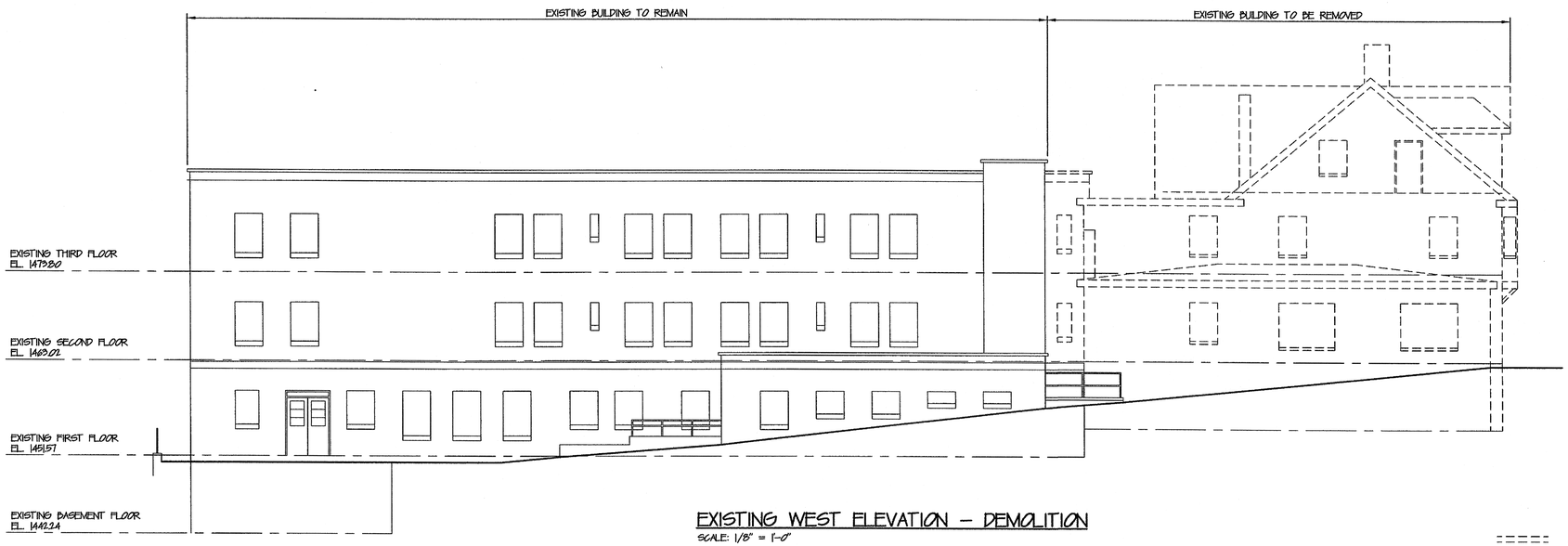


NOTE: WINDOW (W-8) TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2.
SEE DWG. NO. A-23.

EXISTING EAST ELEVATION – DEMOLITION

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



EXISTING WEST ELEVATION – DEMOLITION

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

LEGEND

EXISTING BUILDING, (TO BE REMOVED)

EXISTING BUILDING, (TO REMAIN)

NOTES:
1. ALL ITEMS FOR DEMOLITION ARE BY G.C., UNLESS OTHERWISE NOTED.
2. ASBESTOS ABATEMENT TO OCCUR PRIOR TO DEMOLITION.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A7(elevations)

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Date:
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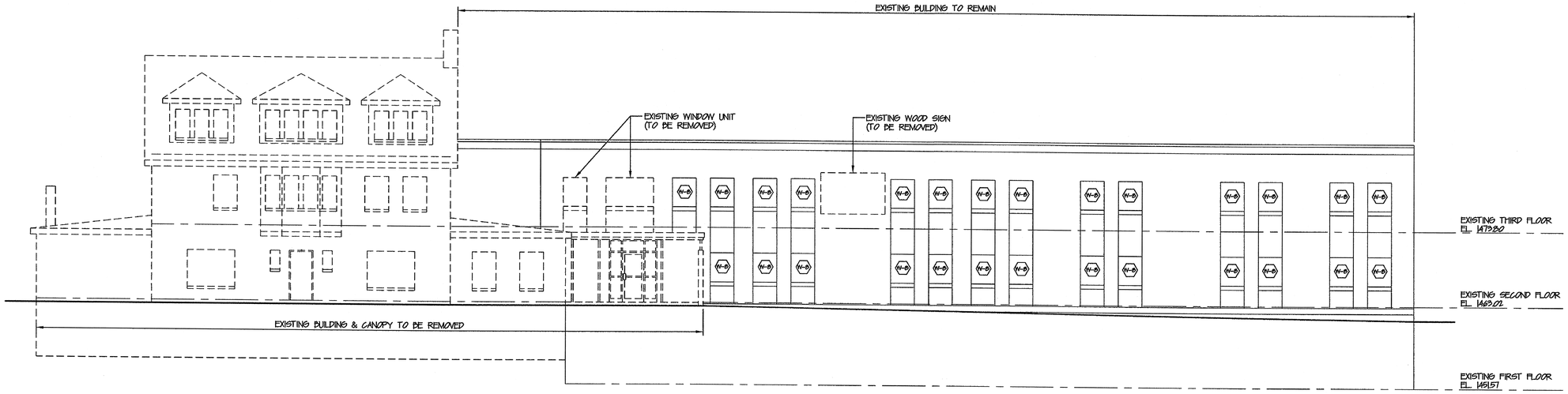
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

EXISTING BUILDING ELEVATIONS - DEMOLITION

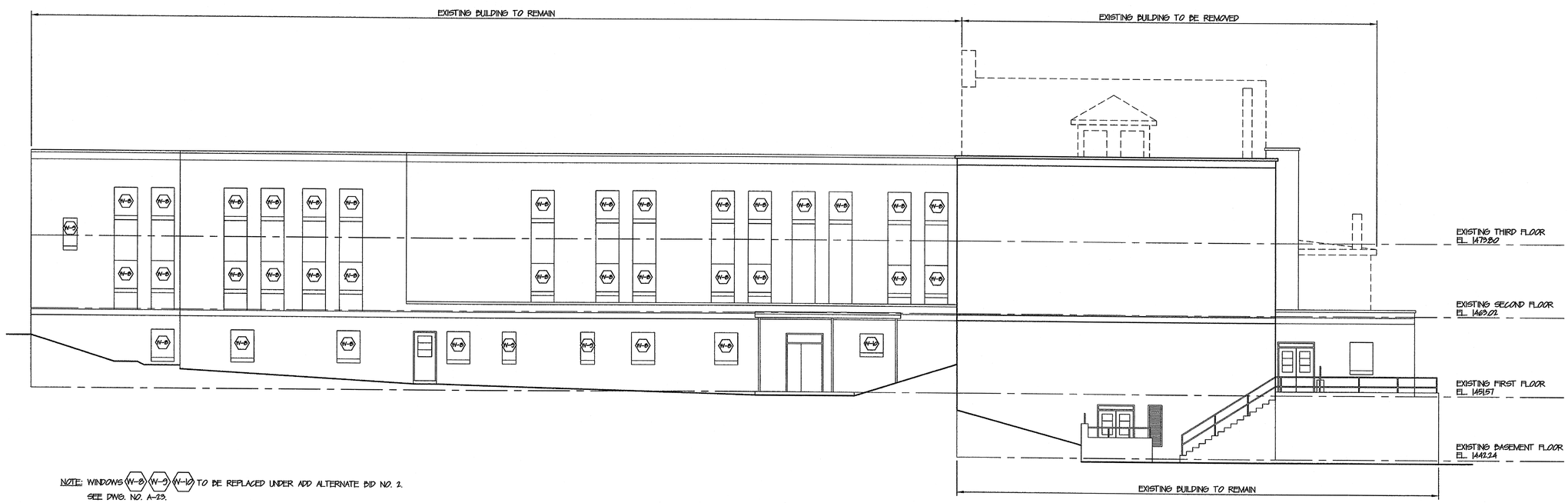
Drawing No.
A-7

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A7(elevations).dwg Tue Sep 03 16:42:35 2002



EXISTING SOUTH ELEVATION – DEMOLITION

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



NOTE: WINDOWS W-8, W-9, W-10 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2.
SEE DWG. NO. A-23.

EXISTING NORTH ELEVATION – DEMOLITION

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

LEGEND

- - - - - EXISTING BUILDING, (TO BE REMOVED)
═══ EXISTING BUILDING, (TO REMAIN)

NOTES:
1. ALL ITEMS FOR DEMOLITION ARE BY G.C., UNLESS OTHERWISE NOTED.
2. ASBESTOS ABATEMENT TO OCCUR PRIOR TO DEMOLITION.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A8(elevations)

Seal

Seal

Approved By: Date:

Approved By: Date:

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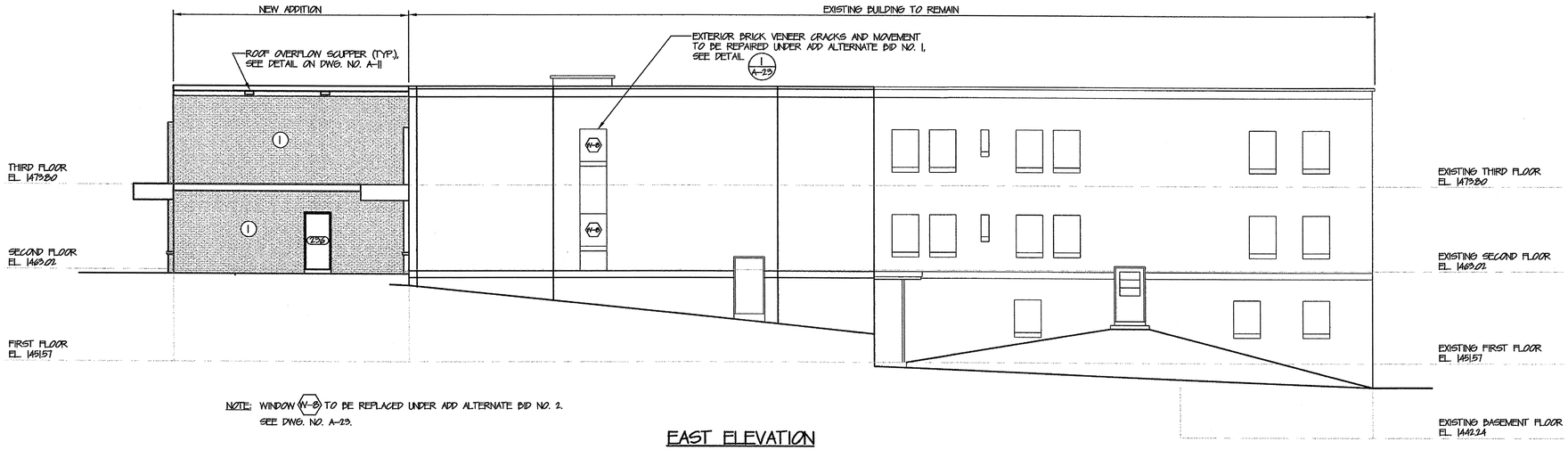
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

EXISTING BUILDING ELEVATIONS - DEMOLITION

Drawing No.
A-8

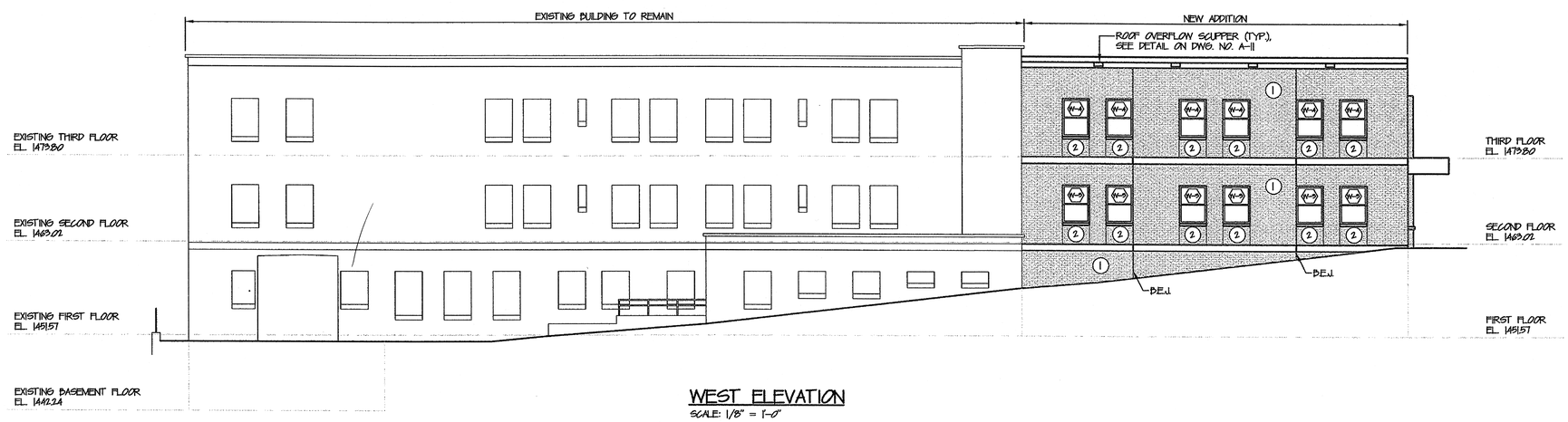
\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A8(elevations).dwg Tue Sep 03 16:45:44 2002



NOTE: WINDOW W-8 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.

EAST ELEVATION

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



WEST ELEVATION

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

1 BRICK TYPE 1, SEE SPECIFICATIONS

2 BRICK TYPE 2, SEE SPECIFICATIONS

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A9(elevations)

Seal

Seal

Approved By: Date:

Approved By: Date:

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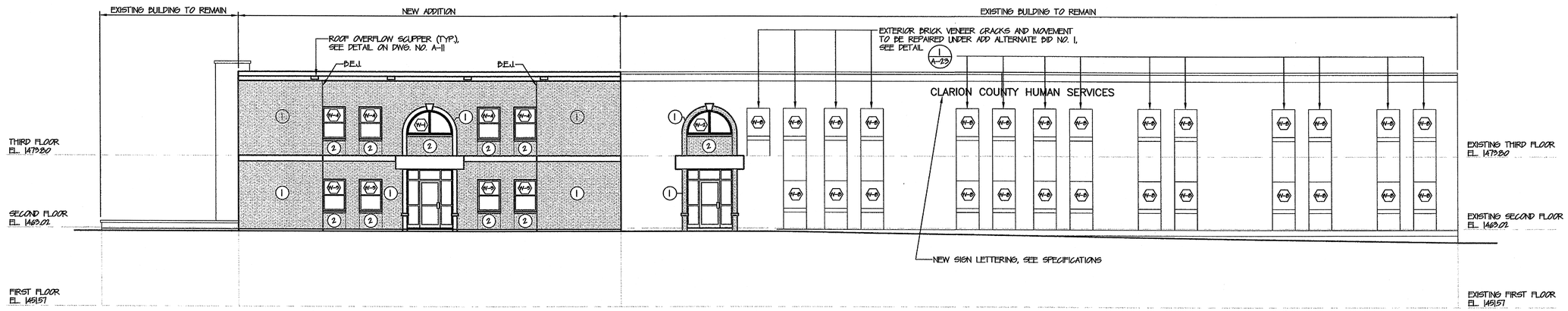
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

BUILDING ELEVATIONS

Drawing No.
A-9

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A9(elevations).dwg Thu Sep 05 16:00:18 2002

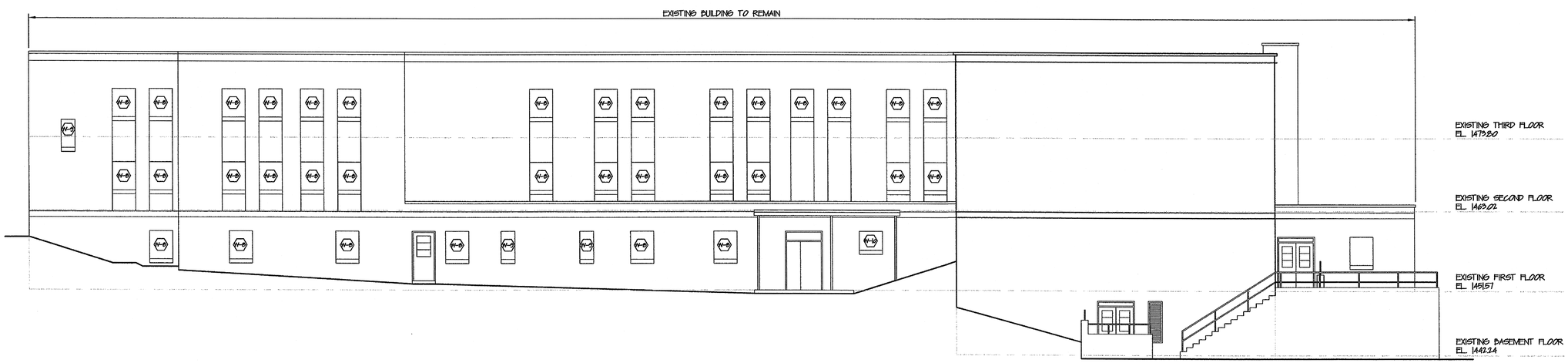


SOUTH ELEVATION

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

(1) BRICK TYPE 1, SEE SPECIFICATIONS

(2) BRICK TYPE 2, SEE SPECIFICATIONS



NORTH ELEVATION

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

NOTE: WINDOWS W-8 W-9 W-10 TO BE REPLACED UNDER ADD ALTERNATE BID NO. 2. SEE DWG. NO. A-23.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 2400207.2.10
File No. A10(elevations)

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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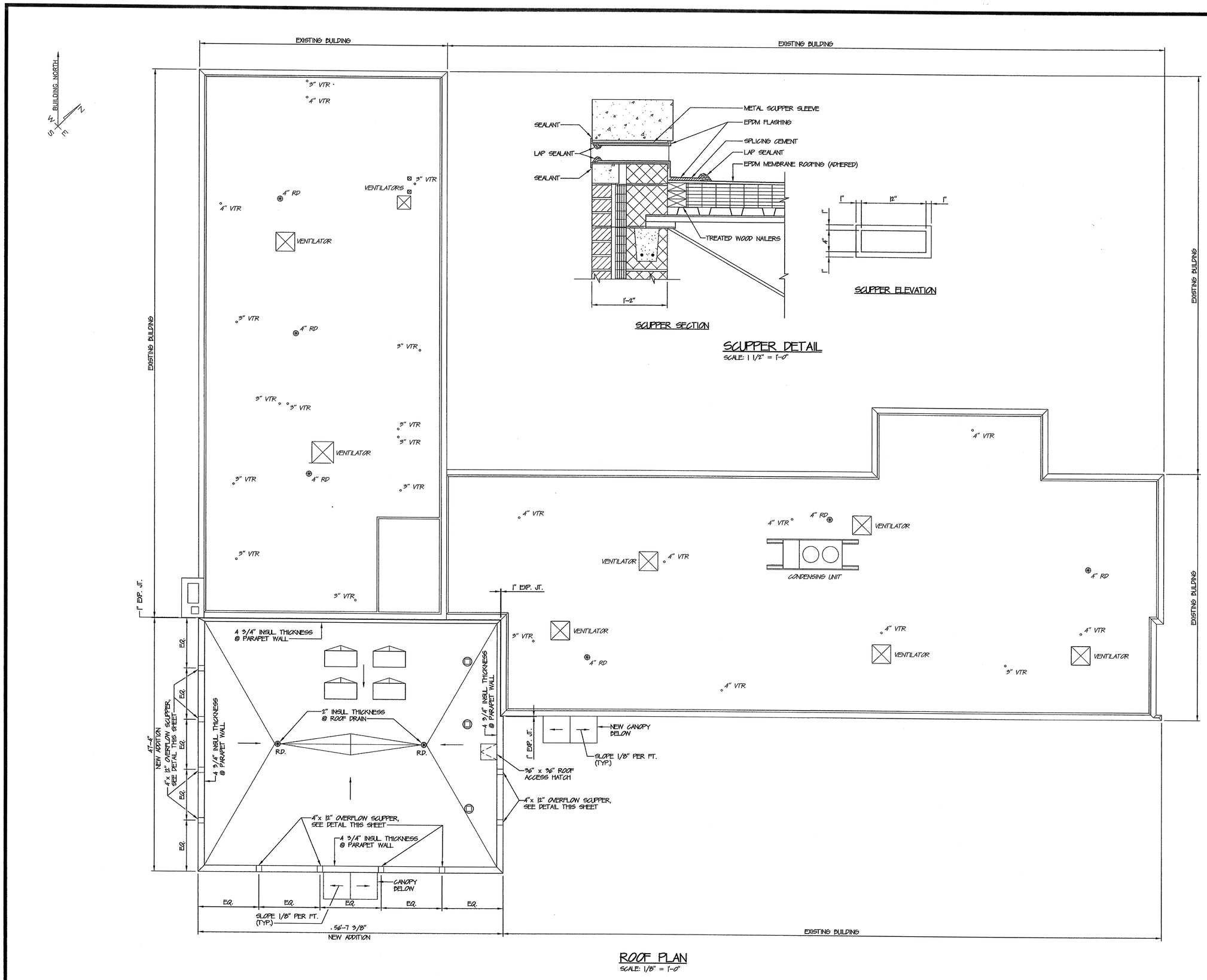
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

BUILDING ELEVATIONS

Drawing No.
A-10

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A10(elevations).dwg Thu Sep 05 16:04:19 2002



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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A11(roof plan)

Seal

Seal

Approved By: **Date:**

Approved By: **Date:**

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CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

ROOF PLAN

Drawing No.
A-11

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A11(roof plan).dwg Wed Sep 04 10:42:45 2002

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING MATERIAL	CEILING HGT.	REMARKS
BASEMENT FLOOR							
001	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
002	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
FIRST FLOOR							
100	VESTIBULE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
101	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
102	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
103	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
104	STORAGE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
105	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
106	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
107	TOILET	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
108	TOILET	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
109	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
110	CORRIDOR	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
111	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
112	TOILET	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
113	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
114	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
115	CORRIDOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
116	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
117	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
118	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
119	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
120	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
121	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
122	STORAGE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
123	MECHANICAL ROOM	-----	-----	-----	-----	-----	NO WORK TO BE DONE
124	CORRIDOR	5	4	6	1	-----	ADD ALTERNATE BID NO. 3
125	ELEVATOR EQUIPMENT	-----	-----	-----	-----	-----	NO WORK TO BE DONE
126	ELEVATOR	-----	-----	-----	-----	-----	
127	BAKING STORAGE	3	1	3	3	8'-0"	
128	BAKING	3	1	3	3	8'-0"	
129	VESTIBULE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
130	FOOD PREPARATION STORAGE	3	1	3	3	8'-0"	
131	CORRIDOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
132	LAUNDRY	-----	-----	-----	-----	-----	NO WORK TO BE DONE
133	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
134	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
135	MECHANICAL ROOM	-----	-----	-----	-----	-----	NO WORK TO BE DONE
136	FOOD PREPARATION	3	1	3	3	8'-0"	
137	CORRIDOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
138	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
139	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
140	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
141	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
142	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
143	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
144	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
145	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
146	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
147	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
148	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
149	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
150	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
151	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
152	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
153	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
154	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
155	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
156	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
157	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
158	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
159	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
160	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
161	OFFICE	1	1	1,3	3	8'-0"	
162	TOILET	3	2	1	3	8'-0"	
163	STORAGE	3	1	1	3	8'-0"	
164	TRAINING/KITCHEN	3	1	1,7	3	8'-0"	
165	CONFERENCE	3	1	1,7	3	8'-0"	
166	FILING	3	1	1	3	8'-0"	
167	CORRIDOR	1	1	1,7	3	8'-0"	
168	MENS TOILET	2	3	4	3	8'-0"	
169	WOMENS TOILET	2	3	4	3	8'-0"	
170	CORRIDOR	3	1	2,7	3	8'-0"	
171	MECHANICAL	-----	-----	-----	-----	----	
172	STAIRS	4	1	2	3	VARIES	
173	OFFICE	1	1	1,7	3	8'-0"	
174	TELEPHONE EQUIPMENT	5	1	1,6	4	-----	

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING MATERIAL	CEILING HGT.	REMARKS
SECOND FLOOR							
200	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
201	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
202	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
203	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
204	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
205	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
206	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
207	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
208	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
209	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
210	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
211	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
212	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
213	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
214	CORRIDOR	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
215	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
216	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
217	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
218	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
219	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
220	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
221	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
222	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
223	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
224	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
225	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
226	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
227	CORRIDOR	5	4	6	1	-----	ADD ALTERNATE BID NO. 3
228	ELEVATOR	-----	-----	-----	-----	-----	
229	FOOD PREPARATION OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
230	FOOD PREPARATION OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
231	FOOD PREPARATION OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
232	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
233	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
234	ENTRY	-----	-----	-----	-----	-----	NO WORK TO BE DONE
235	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
236	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
237	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
238	CORRIDOR	5	4	6	4	-----	
239	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
240	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
241	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
242	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
243	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
244	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
245	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
246	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
247	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
248	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
249	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
250	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
251	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
252	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
253	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
254	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
255	CORRIDOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
256	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
257	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
258	OFFICE	1	1	1	2	8'-0"	
259	OFFICE	1	1	1	2	8'-0"	
260	CORRIDOR	1	1	1,7	2	8'-0"	
261	MENS TOILET	2	3	4	3	8'-0"	
262	OFFICE	1	1	1	2	8'-0"	
263	OFFICE	1	1	1	2	8'-0"	
264	WOMENS TOILET	2	3	4	3	8'-0"	
265	OFFICE	1	1	1	2	8'-0"	
266	RECEPTIONIST	1	1	1,7	2	8'-0"	
267	CORRIDOR	3	1	1,7	3	8'-0"	
268	MECHANICAL	-----	-----	-----	-----	----	
269	OFFICE	1	1	1	2	8'-0"	
270	WAITING	1	1	1,7	2	8'-0"	
271	STAIRS	4	1	2	3	VARIES	
272	TOILET	2	2	1	3	8'-0"	
273	CORRIDOR	1	1	1	3	8'-0"	

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING MATERIAL	CEILING HGT.	REMARKS
THIRD FLOOR							
300	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
301	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
302	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
303	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
304	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
305	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
306	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
307	JANITOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
308	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
309	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
310	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
311	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
312	CORRIDOR	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
313	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
314	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
315	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
316	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
317	OFFICE	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
318	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
319	CORRIDOR	-----	-----	-----	1	-----	ADD ALTERNATE BID NO. 3
320	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
321	STORAGE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
322	ELEVATOR	-----	-----	-----	-----	-----	
323	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
324	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
325	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
326	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
327	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
328	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
329	CORRIDOR	5	4	6	4	-----	
330	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
331	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
332	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
333	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
334	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
335	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
336	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
337	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
338	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
339	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
340	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
341	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
342	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
343	CORRIDOR	-----	-----	-----	-----	-----	NO WORK TO BE DONE
344	OFFICE	-----	-----	-----	-----	-----	NO WORK TO BE DONE
345	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
346	STAIRS	-----	-----	-----	-----	-----	NO WORK TO BE DONE
347	TOILET	-----	-----	-----	-----	-----	NO WORK TO BE DONE
348	WOMENS TOILET	2	2	5	3	8'-0"	
349	MENS TOILET	2	2	5	3	8'-0"	
350	CORRIDOR	3	1	1,7	3	8'-0"	
351	TOILET	2	2	5	3	8'-0"	
352	MECHANICAL	-----	-----	-----	-----	-----	
353	STAIRS	4	1	2	3	VARIES	
354	OFFICE	1	1	1	2	8'-0"	
355	OFFICE	1	1	1	2	8'-0"	
356	OFFICE	1	1	1	2	8'-0"	
357	OFFICE	1	1	1	2	8'-0"	
358	OFFICE	1	1	1	2	8'-0"	
359	OFFICE	1	1	1	2	8'-0"	
360	OFFICE	1	1	1	2	8'-0"	
361	WORK AREA	1	1	1	2	8'-0"	

MATERIAL LEGEND

FLOOR

1. CARPET
2. CERAMIC TILE
3. VINYL COMPOSITION TILE
4. RUBBER TREADS, RISERS & STRINGERS
5. PATCH, REPAIR & FINISH TO MATCH EXISTING FINISH

BASE

1. COVED RUBBER
2. COVED GLAZED WALL TILE
3. COVED GLAZED TILE C.M.U.
4. PATCH, REPAIR & FINISH TO MATCH EXISTING FINISH

WALL

1. PAINTED GYPSUM WALLBOARD
2. PAINTED CONCRETE MASONRY UNITS
3. REPAINT EXISTING
4. GLAZED TILE C.M.U.
5. GLAZED WALL TILE
6. PATCH, REPAIR & FINISH TO MATCH EXISTING FINISH
7. VENEER PLASTER OVER C.M.U.

CEILING

1. REPLACE EXISTING ASBESTOS PANELS WITH NEW ACOUSTICAL PANELS (EXISTING GRID SYSTEM TO REMAIN) **ADD ALTERNATE BID NO. 3**
2. TYPE 1, 24" x 24" LAY-IN ACOUSTICAL PANEL
3. TYPE 2, 24" x 48" LAY-IN ACOUSTICAL PANEL
4. PATCH, REPAIR & FINISH TO MATCH EXISTING FINISH

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A12(rm. fin. scd)

Seal

Seal

Approved By: Date:

Approved By: Date:

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CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

ROOM FINISH SCHEDULE

Drawing No.
A-12

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A12(rm. fin. scd1).dwg Wed Aug 28 10:46:24 2002

DOOR SCHEDULE

DOOR NO.	TYPE	WIDTH	HGT.	THK.	DOOR MAT'L	HEAD	JAMB	HDWR. SET	LABEL	GLAZING	REMARKS
002	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	19	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
FIRST FLOOR											
100	EXISTING							22			
101	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	19	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
102	EXISTING							23			
103	EXISTING							23			
104	EXISTING							23			
105	F	3'-3 3/4"±	4'-4 3/4"±	0 1/2"	ALUM.	----	----	25	-----	-----	COUNTER DOOR, SEE DETAILS ON DWG. NO. A-15
106	EXISTING							23			
107	I	3'-0"	3'-6"	1 3/4"	WOOD	----	J-1	17	-----	-----	HALF DUTCH DOOR
108	EXISTING							23			
109	EXISTING							23			
110	EXISTING							23			
111	EXISTING							23			
112	ELIMINATED										
113	EXISTING							23			
114	EXISTING							23			
115	EXISTING							23			
116	ELIMINATED										
117	EXISTING							24			RELOCATED EXISTING DUTCH DOOR FROM SECOND FLOOR
118	EXISTING							23			
119	EXISTING							23			
120	EXISTING							23			
121	EXISTING							23			
122	EXISTING							23			
123	EXISTING							23			
124	EXISTING							23			
125	EXISTING							23			
126	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	19	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
127	EXISTING							23			
128	EXISTING							23			
129	A	3'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	4	C	-----	
130	A	3'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	10	C	-----	8" x 18" LOUVER
131	A	2'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	9	C	-----	
132	A	3'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	10	C	-----	8" x 18" LOUVER
133	A	3'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	4	C	-----	
134	D	3'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	3	C	1/4" WIRE	
135	A	3'-0"	7'-0"	1 3/4"	H.M.	H-3	J-3	7	C	-----	
136	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	15	-----	1/4" TEMP.	
137	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
138	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
139	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
140	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	8	C	-----	
141	A	3'-0"	7'-0"	1 3/4"	H.M.	----	----	9	C	-----	
142	A	3'-0"/2'-0"	7'-0"	1 3/4"	H.M.	----	----	21	-----	-----	REPLACE EXIST. DOORS, FRAME & HARDWARE; INSUL. CORE
143	A	3'-0"/2'-0"	7'-0"	1 3/4"	H.M.	----	----	20	C	-----	REPLACE EXIST. DOORS, FRAME & HARDWARE
SECOND FLOOR											
200	G	3'-3 1/2"±	3'-3"±	0 1/2"	ALUM.	----	----	----	-----	-----	COUNTER DOOR, SEE DETAILS ON DWG. NO. A-15
201	EXISTING							23			
202	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	19	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
203	EXISTING							23			
204	EXISTING							23			
205	EXISTING							23			
206	EXISTING							23			
207	F	3'-10"±	3'-3"±	0 1/2"	ALUM.	----	----	25	-----	-----	COUNTER DOOR, SEE DETAILS ON DWG. NO. A-15
208	EXISTING							23			
209	EXISTING							23			
210	EXISTING							23			
211	D	3'-0"	7'-0"	1 3/4"	ALUM.	----	----	1	-----	1" INSUL.	ALUMINUM ENTRANCE SYSTEM
212	EXISTING							23			
213	EXISTING							23			
214	I	3'-0"	3'-6"	1 3/4"	WOOD	----	J-1	17	-----	-----	HALF DUTCH DOOR
215	EXISTING							23			
216	EXISTING							23			
217	EXISTING							23			
218	EXISTING							23			
219	EXISTING							23			
220	EXISTING							23			
221	EXISTING							23			
222	EXISTING							23			

DOOR SCHEDULE

DOOR NO.	TYPE	WIDTH	HGT.	THK.	DOOR MAT'L	HEAD	JAMB	HDWR. SET	LABEL	GLAZING	REMARKS
223	EXISTING							23			
224	ELIMINATED										
225	EXISTING							23			
226	EXISTING							23			
227	EXISTING							23			
228	EXISTING							23			
229	EXISTING							23			
230	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	19	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
231	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	6	C	-----	
232	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	10	C	-----	8" x 18" LOUVER
233	A	2'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	9	C	-----	
234	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	10	C	-----	8" x 18" LOUVER
235	D	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	3	C	1/4" WIRE	
236	A	3'-0"	7'-0"	1 3/4"	H.M.	H-4	J-4	2	-----	1" INSUL.	INSULATED CORE
237	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	10	C	1/4" WIRE	
238	D	3'-0"	7'-0"	1 3/4"	ALUM.	H-5	J-5	1	-----	1" INSUL.	ALUMINUM ENTRANCE SYSTEM
239	A	3'-0"	7'-0"	1 3/4"	H.M.	H-1	J-1	4	C	-----	
240	A	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	16	-----	-----	
241	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
242	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
243	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
244	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
245	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	14	-----	1/4" TEMP.	
246	E	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	12	-----	1/4" TEMP.	DUTCH DOOR
247	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	8	C	-----	
THIRD FLOOR											
300	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	19	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
301	EXISTING							23			
302	EXISTING							23			
303	EXISTING							23			
304	EXISTING							23			
305	EXISTING							23			
306	EXISTING							23			
307	EXISTING							23			
308	EXISTING							23			
309	EXISTING							23			
310	EXISTING							23			
311	EXISTING							23			
312	A	3'-8"	7'-0"	1 3/4"	WOOD	----	----	18	-----	-----	REPLACE EXISTING DOOR, FRAME & HARDWARE; 8"x18" LOUVER
313	EXISTING							23			
314	EXISTING							23			
315	EXISTING							23			
316	EXISTING							23			
317	EXISTING							23			
318	EXISTING							23			
319	H	6'-7"±	3'-3"±	0 1/2"	ALUM.	----	----	----	-----	-----	COUNTER DOOR, SEE DETAILS ON DWG. NO. A-15
320	EXISTING							23			
321	EXISTING							23			
322	EXISTING							23			
323	EXISTING							23			
324	EXISTING							23			
325	EXISTING							23			
326	EXISTING							23			
327	EXISTING							23			
328	EXISTING							23			
329	D	3'-10"	7'-0"	1 3/4"	H.M.	----	----	329	C	1/4" WIRE	REPLACE EXISTING DOOR, FRAME & HARDWARE
330	A	3'-0"	7'-0"	1 3/4"	H.M.	H-1	J-1	10	C	-----	8" x 18" LOUVER
331	A	3'-0"	7'-0"	1 3/4"	H.M.	H-1	J-1	11	C	-----	8" x 18" LOUVER
332	D	2'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	3	C	1/4" WIRE	
333	A	3'-0"	7'-0"	1 3/4"	H.M.	H-1	J-1	5	C	1/4" WIRE	
334	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
335	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
336	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
337	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
338	C	2'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
339	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
340	C	3'-0"	7'-0"	1 3/4"	WOOD	H-1	J-1	13	-----	1/4" TEMP.	
341	A	3'-0"	7'-0"	1 3/4"	H.M.	H-2	J-2	8	C	-----	
342	F	3'-10"±	3'-3"±	0 1/2"	ALUM.	----	----	----	-----	-----	COUNTER DOOR, SEE DETAILS ON DWG. NO. A-15

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A13(door schedule)

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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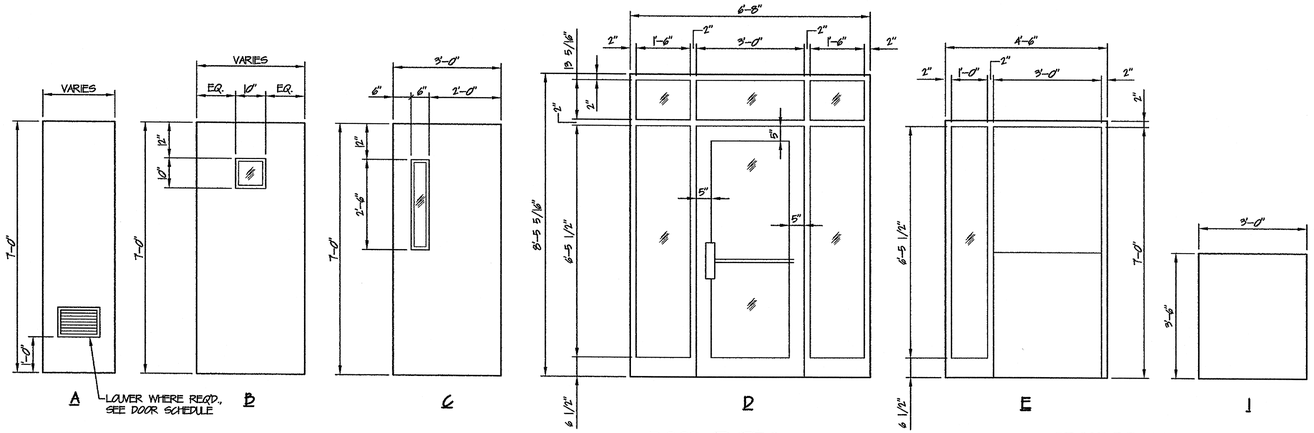
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

DOOR SCHEDULE

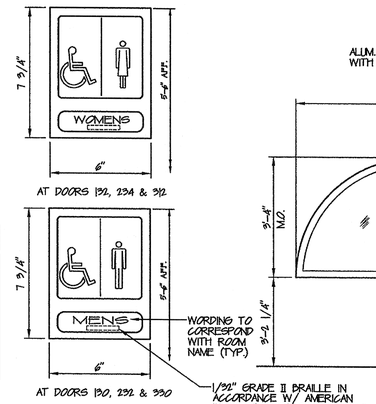
Drawing No.
A-13

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A13(door schedule).dwg Thu Sep 05 14:22:00 2002



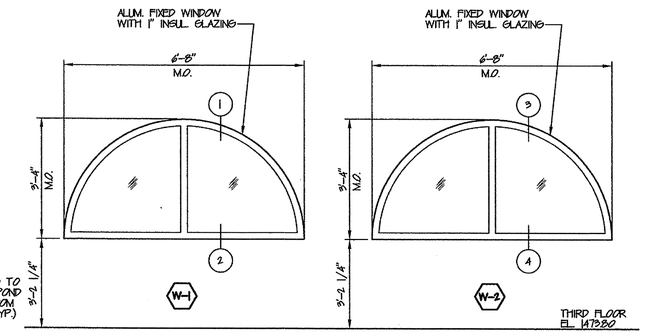
DOOR TYPES
SCALE: 1/2" = 1'-0"

FOR DOOR TYPES F,G & H, SEE DWG. NO. A-15

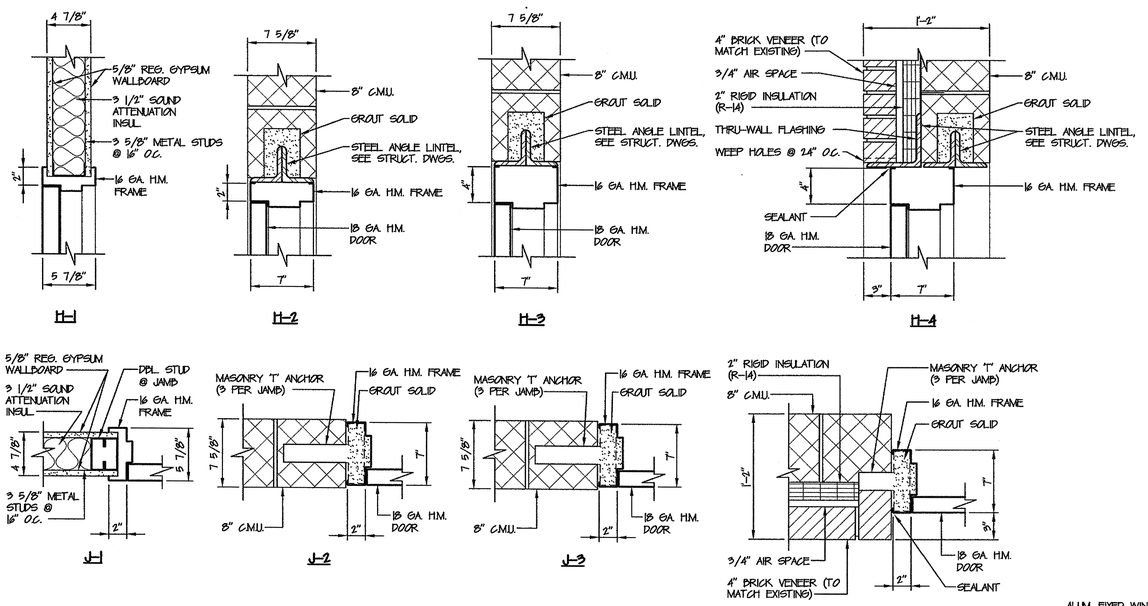


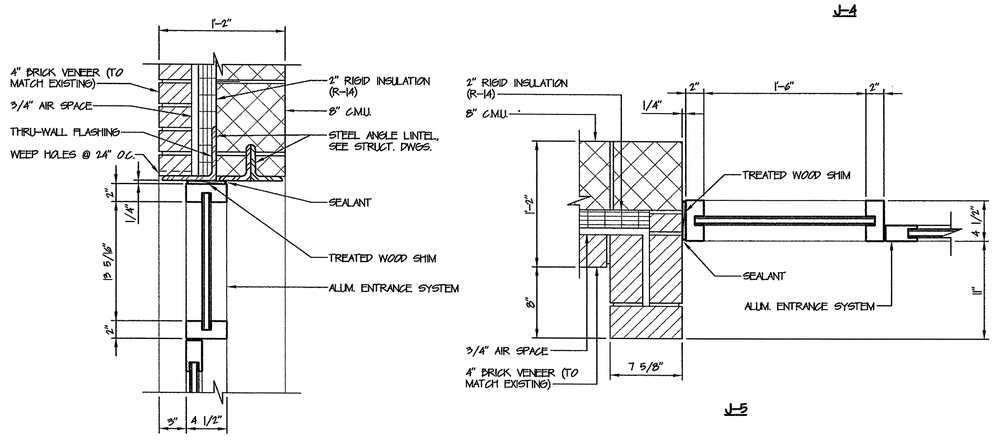
SIGN TYPES
NOT TO SCALE

SIGNS TO BE LOCATED ON DOOR OR ON WALL ADJACENT TO TOILET ROOM DOOR.

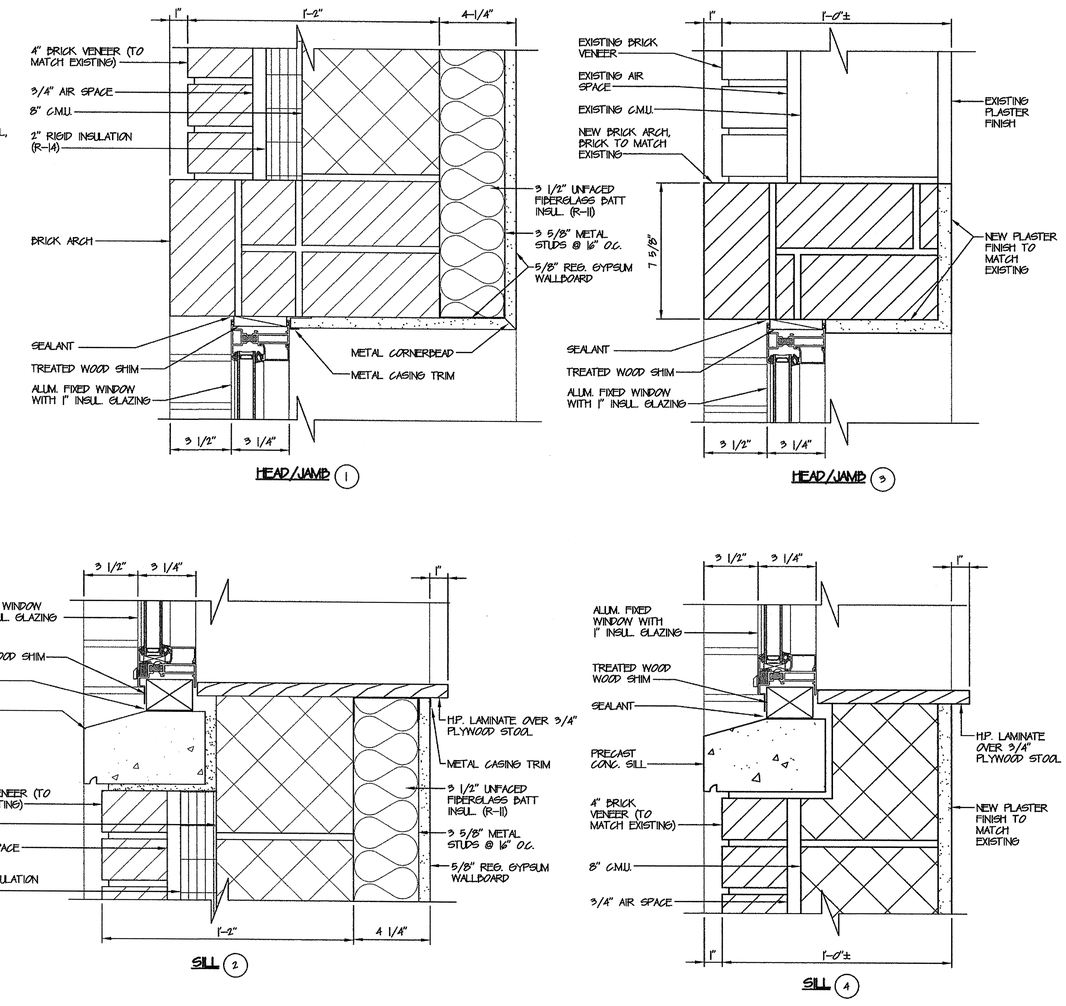


WINDOW TYPES
SCALE: 1/2" = 1'-0"





DOOR FRAMING DETAILS
SCALE: 1 1/2" = 1'-0"



WINDOW FRAMING DETAILS
SCALE: 3" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A14(doors & windows)

Seal

Seal

Date:

Approved By:

Date:

Approved By:

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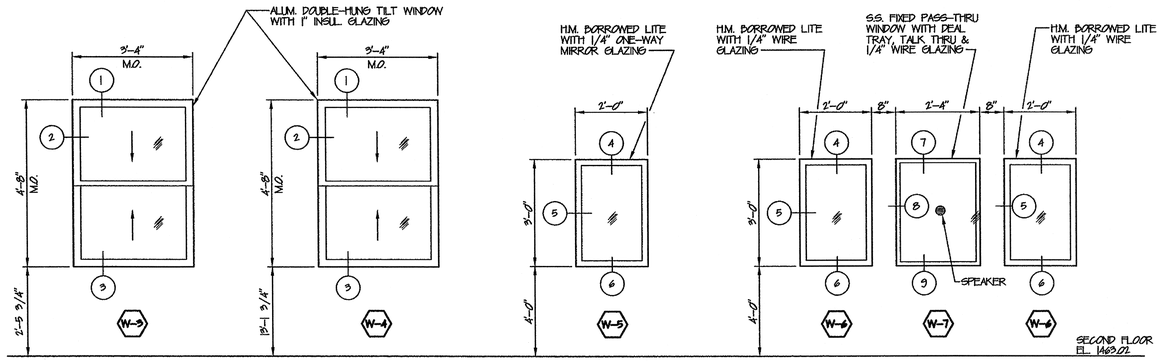
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

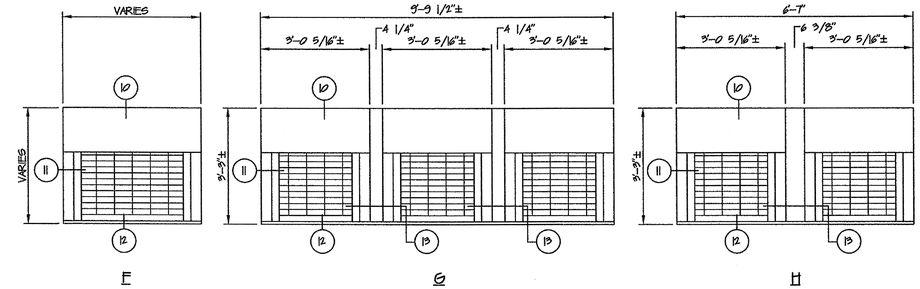
DOOR & WINDOW DETAILS

Drawing No.
A-14

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A14(doors & windows).dwg Fri Sep 06 14:20:36 2002

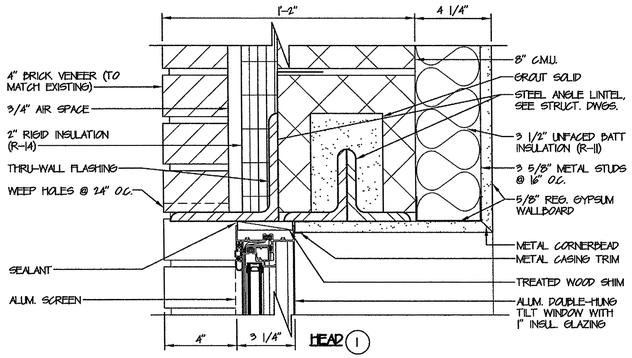


WINDOW TYPES
SCALE: 1/2" = 1'-0"

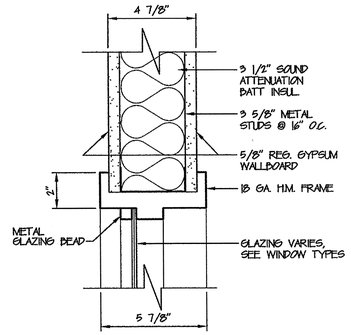


NOTE: FOR DOOR NUMBERS, SEE DOOR SCHEDULE ON DWG. NO. A-13.

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



HEAD 1



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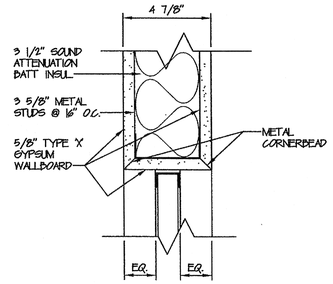

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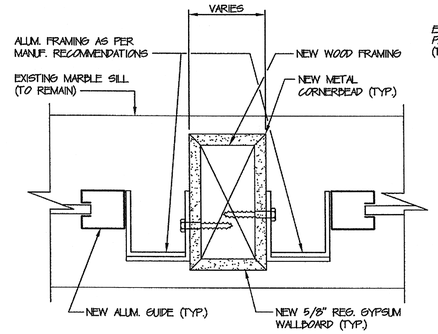

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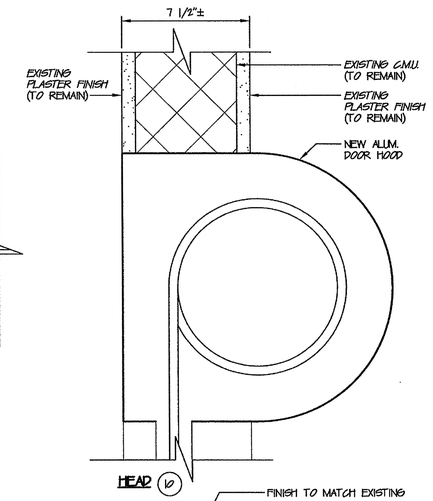
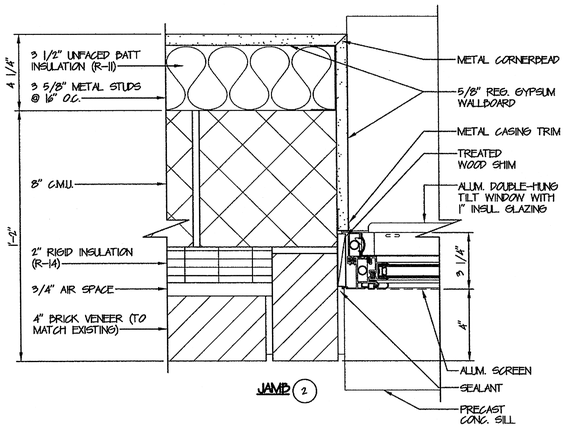
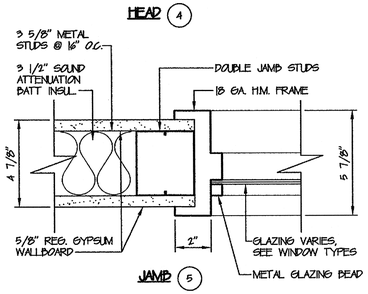


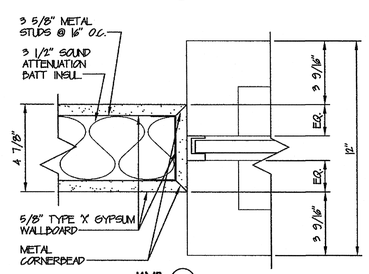
HEAD 10



JAMB 2



JAMB 5



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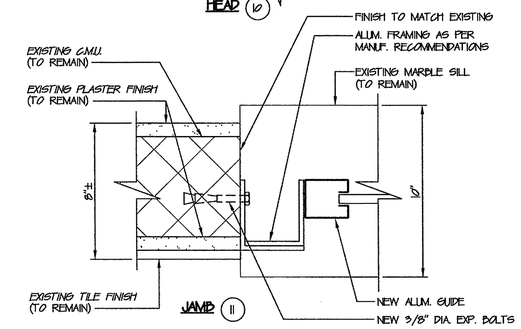
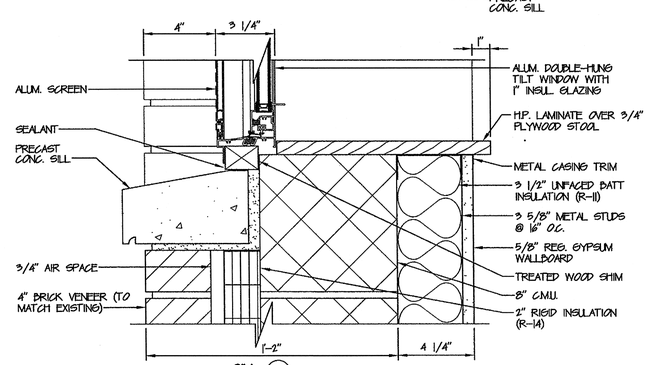


JAMB 11



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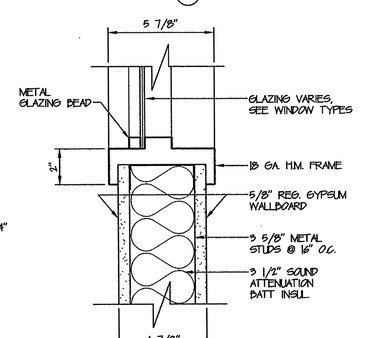
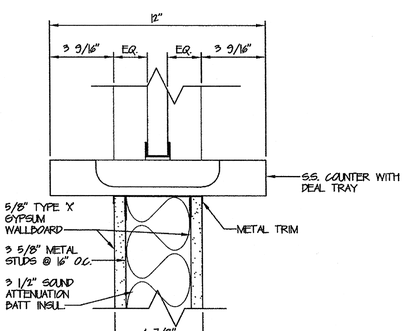


SILL 6



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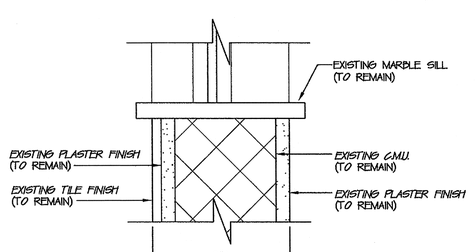

SILL 12

WINDOW FRAMING DETAILS
SCALE: 3" = 1'-0"

COUNTER DOOR FRAMING DETAILS
SCALE: 3" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A15(windows)

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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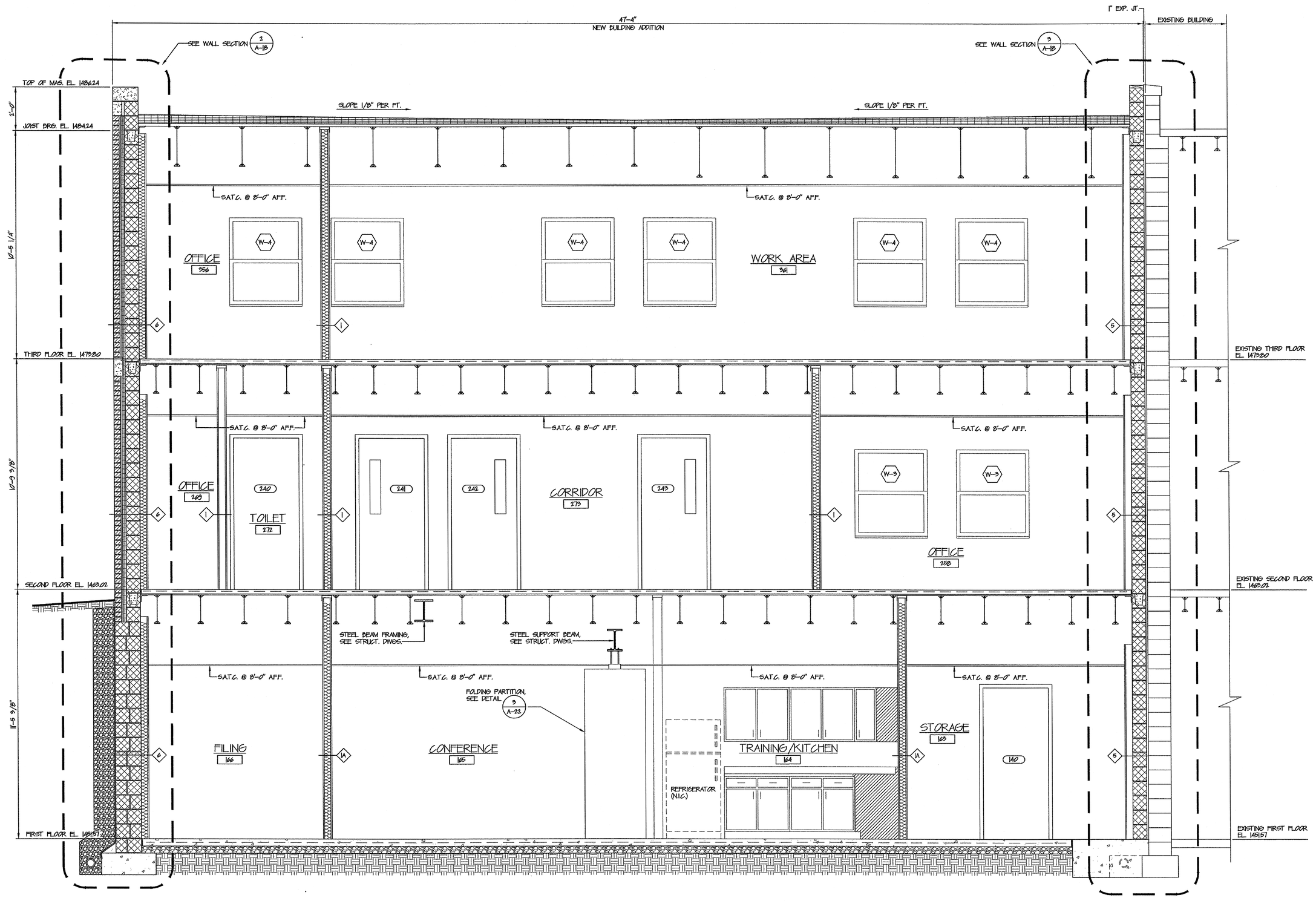
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

DOOR AND WINDOW DETAILS

Drawing No.
A-15

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A15(windows).dwg Thu Sep 05 14:23:15 2002



1 A-16 BUILDING CROSS SECTION
SCALE: 1/2" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 240020/2.10
File No. A16(sections)

Seal

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Approved By: Date:

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CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
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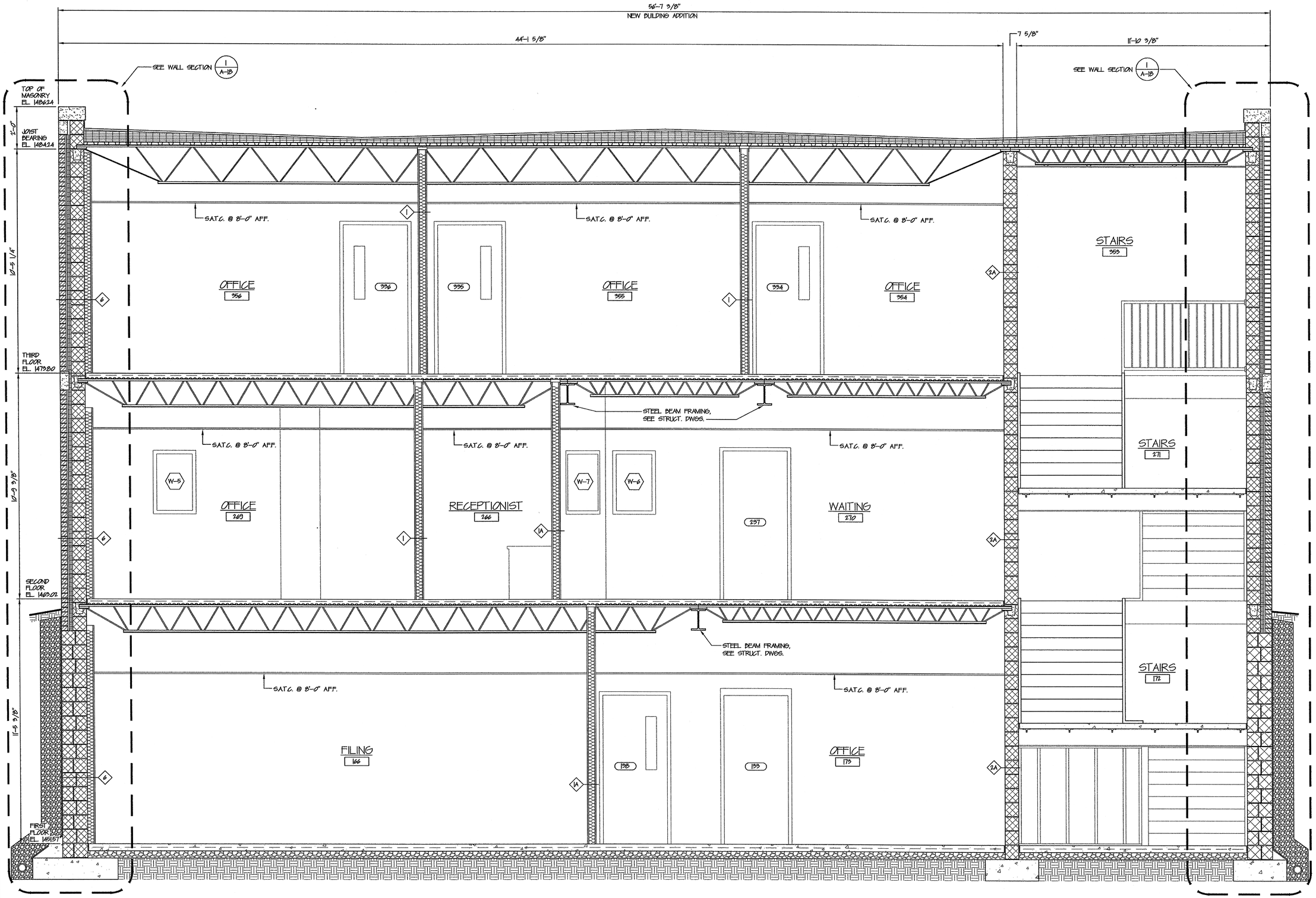
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

BUILDING CROSS SECTION

Drawing No.
A-16

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A16(sections).dwg Fri Sep 06 09:49:51 2002



1/A-17 BUILDING CROSS SECTION
SCALE: 1/2" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A17(sections)

Seal

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Approved By: Date:

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CLARION COUNTY COMMISSIONERS
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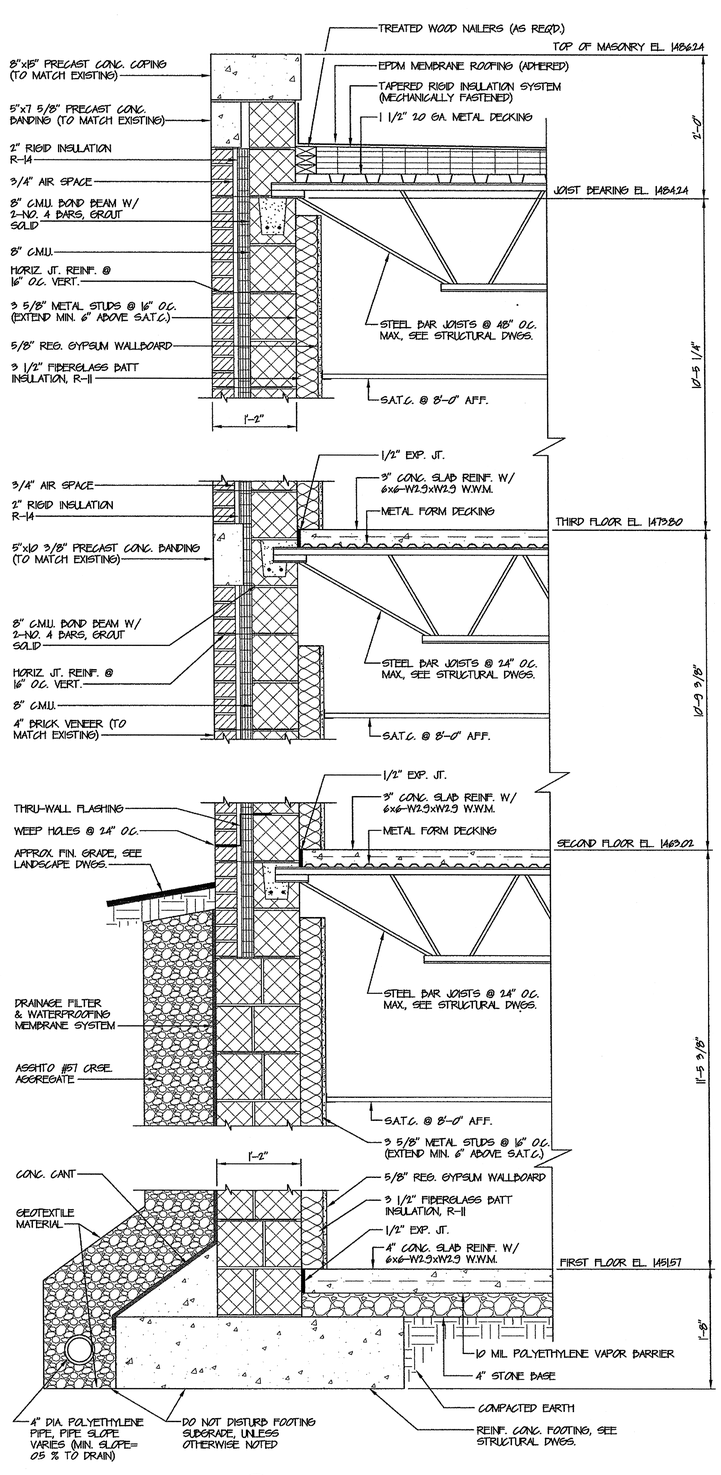
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

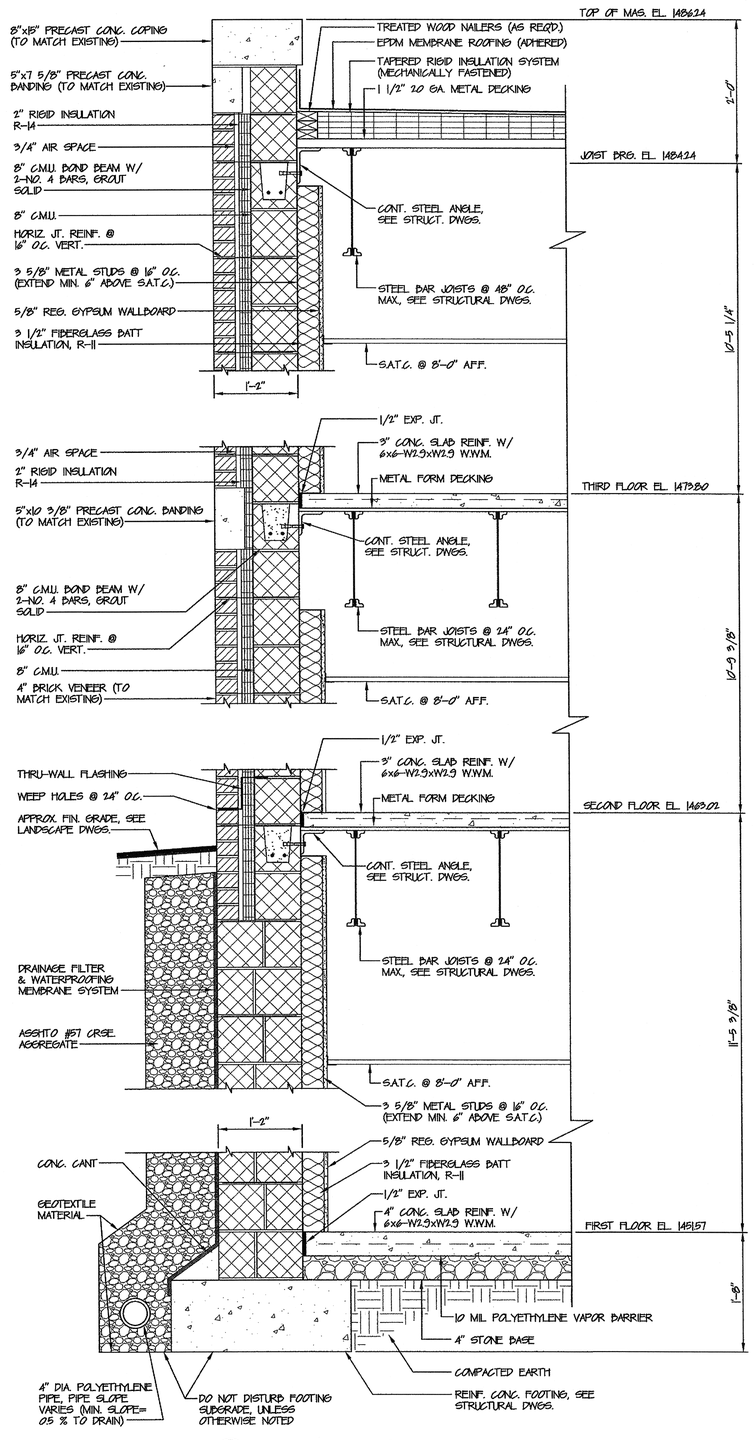
BUILDING CROSS SECTION

Drawing No.
A-17

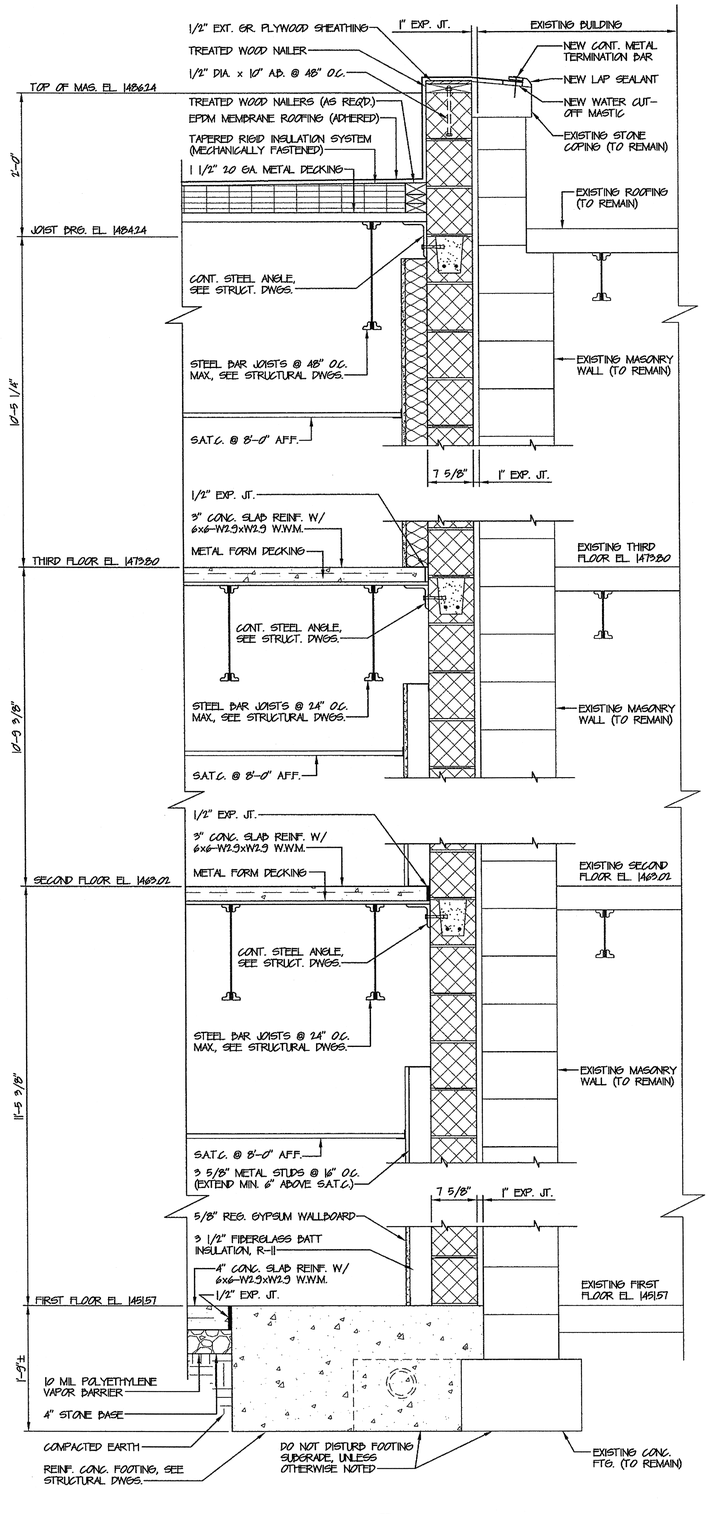
\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A17(sections).dwg Fri Sep 06 10:04:54 2002



1 A-18 WALL SECTION
SCALE: 1" = 1'-0"



2 A-18 WALL SECTION
SCALE: 1" = 1'-0"



3 A-18 WALL SECTION
SCALE: 1" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A18(wall sections)

Seal

Seal

Dates:

Approved By:

Dates:

Approved By:

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CLARION COUNTY COMMISSIONERS
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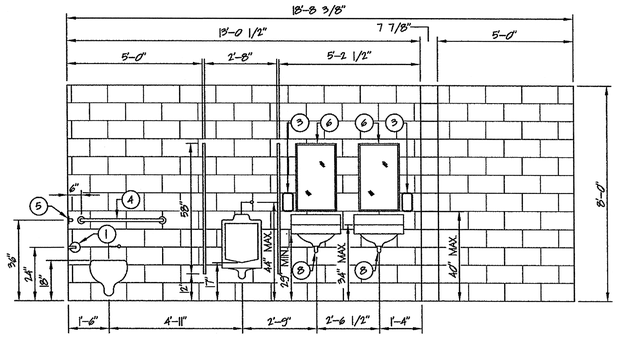
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

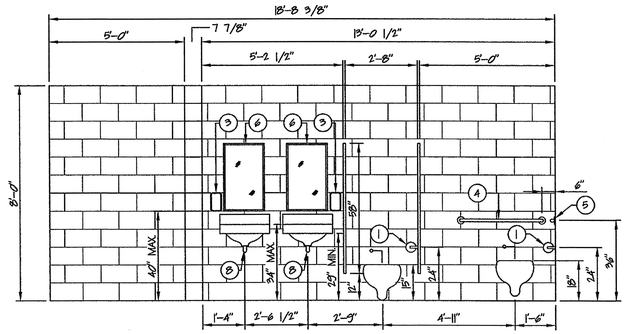
WALL SECTIONS

Drawing No.
A-18

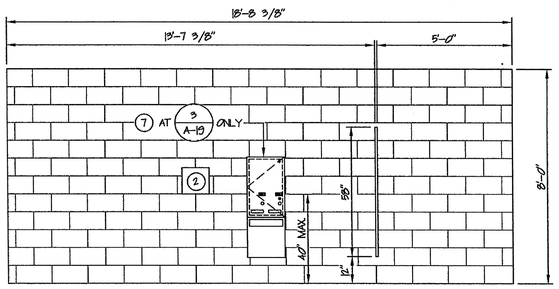
\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A18(wall sections).dwg Fri Sep 06 10:44:37 2002



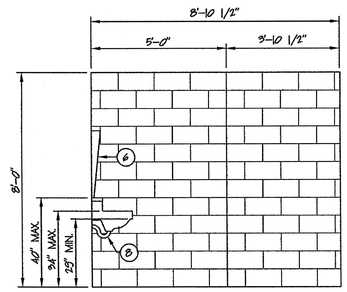
1 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



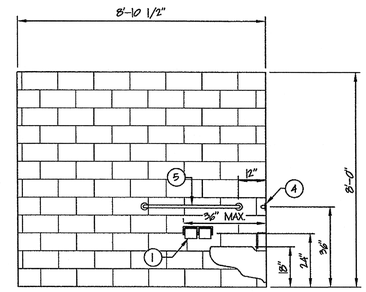
8 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



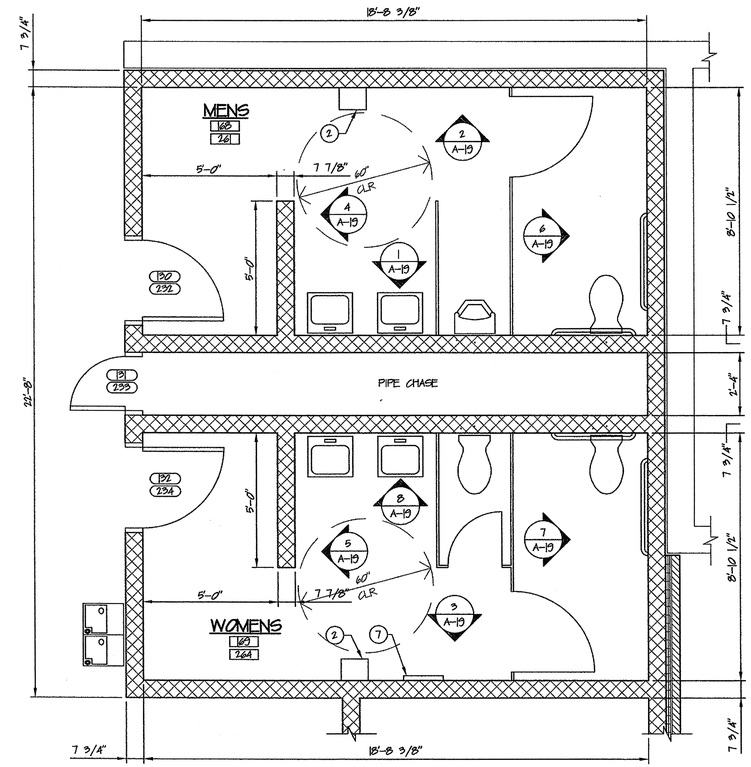
2 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"
3 / A-19 OPPOSITE HAND



4 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"
5 / A-19 OPPOSITE HAND



6 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"
7 / A-19 OPPOSITE HAND



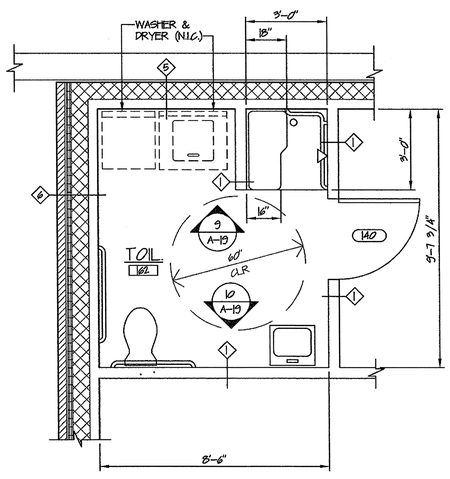
ENLARGED TOILET ROOM PLAN
FIRST FLOOR & SECOND FLOOR
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

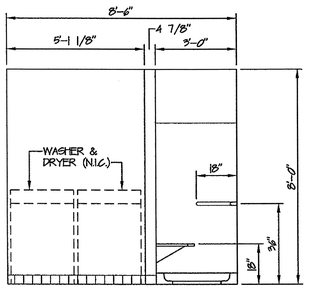
ITEM NO.	DESCRIPTION	DIMENSIONS	MODEL NO.	QUANTITY	REMARKS
1	TOILET TISSUE DISPENSER	6 1/2" x 1 3/4" x 4"	U806-NC *	8	SURFACE MOUNTED
2	HAND DRYER	12" x 11 3/4" x 9 3/4"	U820 *	4	SURFACED MOUNTED
3	SOAP DISPENSER	6 3/4" x 10 3/8" x 4 3/16"	U104 *	10	SURFACE MOUNTED
4	GRAB BAR	1 1/2" DIA. x 36"	U830 *	5	SURFACE CONCEALED MOUNTED
5	GRAB BAR	1 1/2" DIA. x 42"	U830 *	5	SURFACE CONCEALED MOUNTED
6	MIRROR	18" x 30"	U704 *	10	SURFACE MOUNTED
7	SANITARY NAPKIN VENDING/ NAPKIN DISPOSAL	17 1/2" x 45" x 4 1/4"	U510/570A *	2	RECESSED
8	UNDER LAVATORY GUARD	------	LAV-GUARD NO. 103 **	9	BY PLUMBING CONTRACTOR
9	BABY CHANGING STATION	35" x 20" x 4"	U34181 *	1	SURFACED MOUNTED

* MODEL NO. IS AJ WASHROOM ACCESSORIES, INC.
** MODEL NO. IS TRUEBRO, INC.

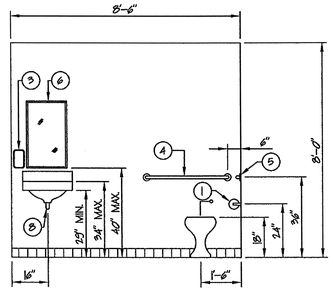
NOTE: MODEL NOS INDICATED ARE FOR REFERENCE ONLY. EQUIVALENT SUBSTITUTES SHALL BE CONSIDERED.



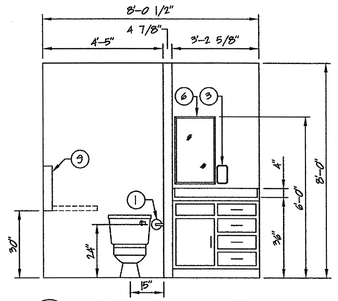
ENLARGED TOILET ROOM PLAN
FIRST FLOOR
SCALE: 3/8" = 1'-0"



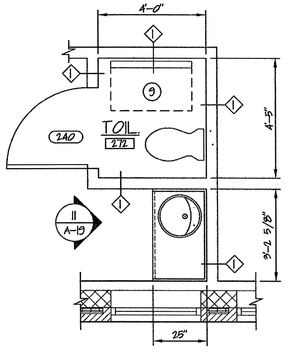
9 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



10 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



11 / A-19 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



ENLARGED TOILET ROOM PLAN
SECOND FLOOR
SCALE: 3/8" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A19(toilets)

Seal

Seal

Date:
Approved By:

Date:
Approved By:

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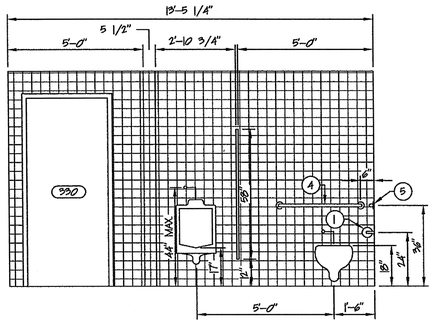
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

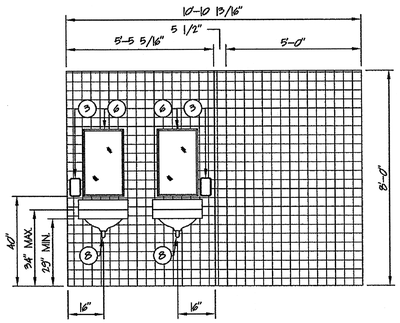
TOILET PLANS AND ELEVATIONS

Drawing No.
A-19

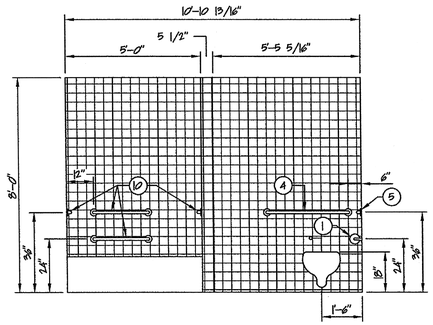
\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A19(toilets).dwg Thu Aug 29 16:41:36 2002



1 / A-20 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



2 / A-20 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



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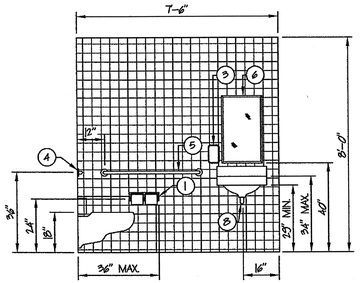

4 / A-20 TOILET ELEVATION
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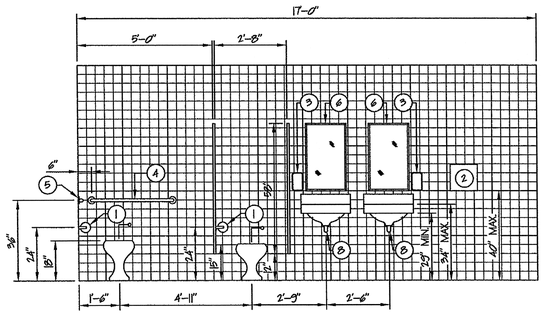
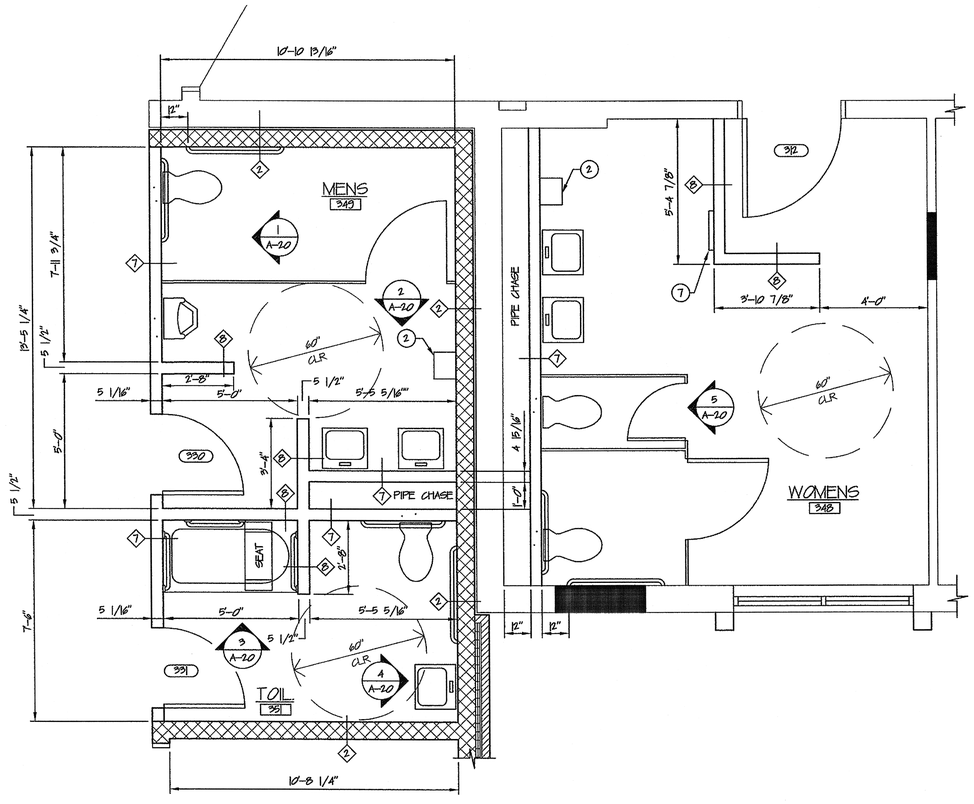


5 / A-20 TOILET ELEVATION
SCALE: 3/8" = 1'-0"



ENLARGED TOILET ROOM PLAN
THIRD FLOOR
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

ITEM NO.	DESCRIPTION	DIMENSIONS	MODEL NO.	QUANTITY	REMARKS
1	TOILET TISSUE DISPENSER	6 1/2" x 1 3/4" x 4"	U806-NC *	4	SURFACE MOUNTED
2	HAND DRYER	12" x 11 3/4" x 9 3/4"	UB20 *	2	SURFACED MOUNTED
3	SOAP DISPENSER	6 3/4" x 10 3/8" x 4 3/16"	U104 *	5	SURFACE MOUNTED
4	GRAB BAR	1 1/2" DIA. x 36"	U830 *	3	SURFACE CONCEALED MOUNTED
5	GRAB BAR	1 1/2" DIA. x 42"	U830 *	3	SURFACE CONCEALED MOUNTED
6	MIRROR	18" x 30"	U704 *	5	SURFACE MOUNTED
7	SANITARY NAPKIN VENDING/ NAPKIN DISPOSAL	17 1/2" x 45" x 4 1/4"	U510/5704 *	1	RECESSED
8	UNDER LAVATORY GUARD	------	LAV-GUARD NO. 103 **	5	BY PLUMBING CONTRACTOR
9	BABY CHANGING STATION	35" x 20" x 4"	U948H *	-----	SURFACE MOUNTED
10	GRAB BAR	1 1/2" DIA. x 24"	U830 *	4	SURFACE CONCEALED MOUNTED

* MODEL NO. IS AJ WASHROOM ACCESSORIES, INC.
** MODEL NO. IS TRUEBRO, INC.

NOTE: MODEL NOS INDICATED ARE FOR REFERENCE ONLY. EQUIVALENT SUBSTITUTES SHALL BE CONSIDERED.

Revised Date:

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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A20(toilets)

Seal

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Date:
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Date:
Approved By:

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CLARION COUNTY COMMISSIONERS
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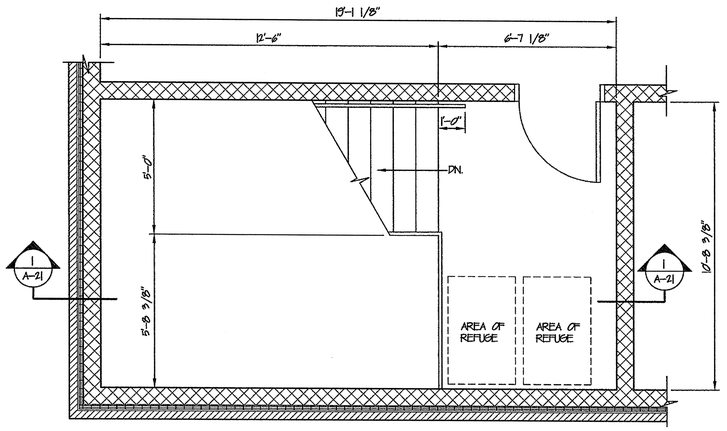
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

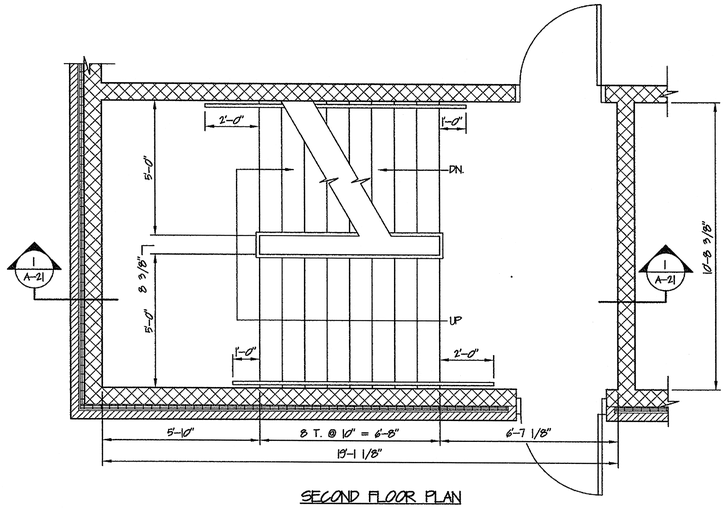
TOILET PLANS AND ELEVATIONS

Drawing No.
A-20

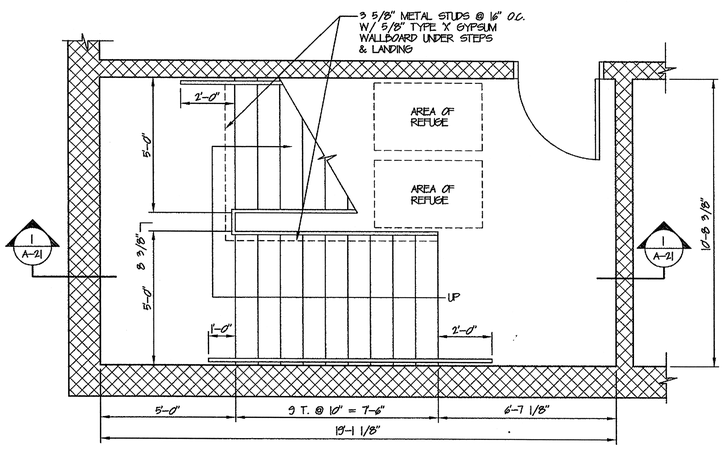
\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A20(toilets).dwg Thu Aug 29 16:42:13 2002



THIRD FLOOR PLAN



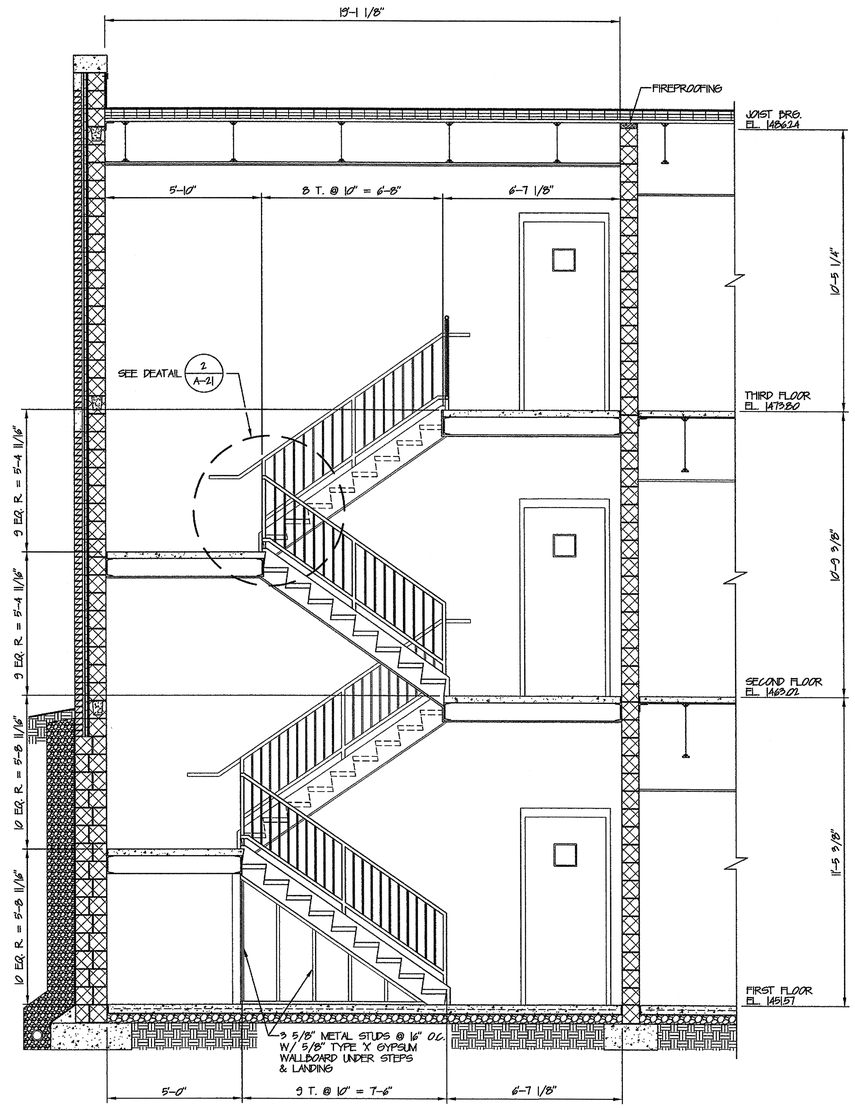
SECOND FLOOR PLAN



FIRST FLOOR PLAN

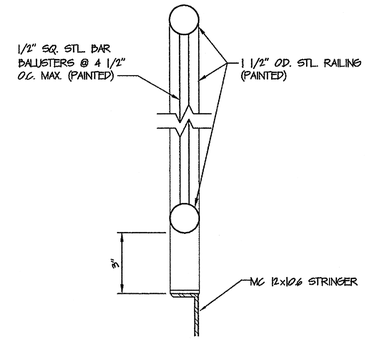
STAIR 'A' PLAN

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



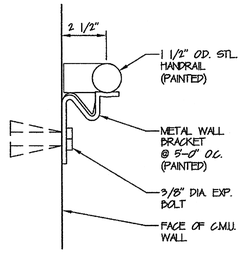
1 A-21 STAIR SECTION

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



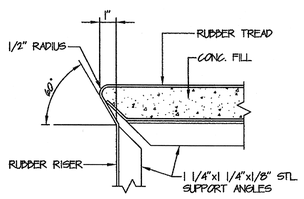
RAILING DETAIL

NOT TO SCALE



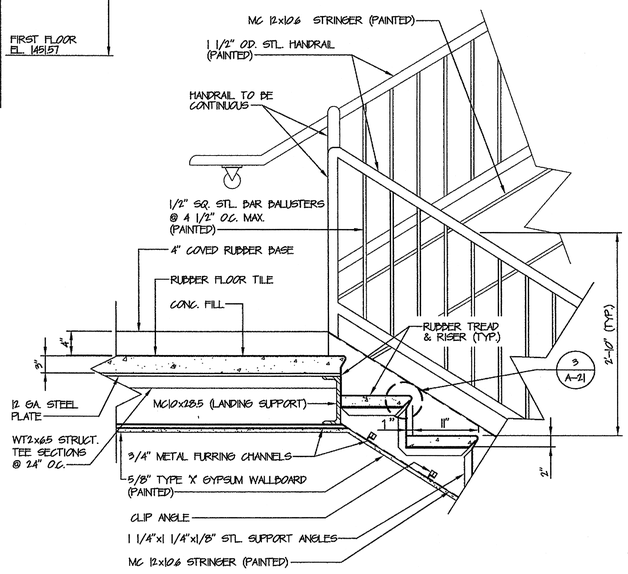
WALL MOUNTED RAILING DETAIL

NOT TO SCALE



3 A-21 NOSING DETAIL

NOT TO SCALE



2 A-21 STAIR DETAIL

SCALE: 1" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A21(stairs)

Seal

Seal

Date:

Approved By:

Date:

Approved By:

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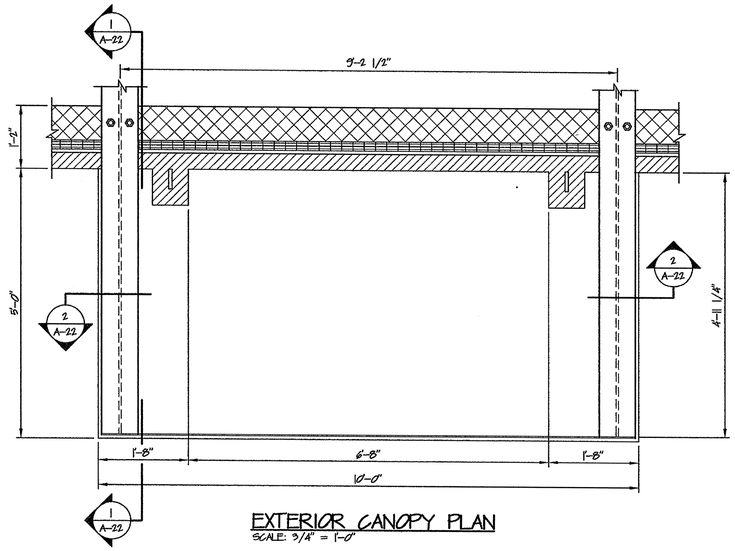
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

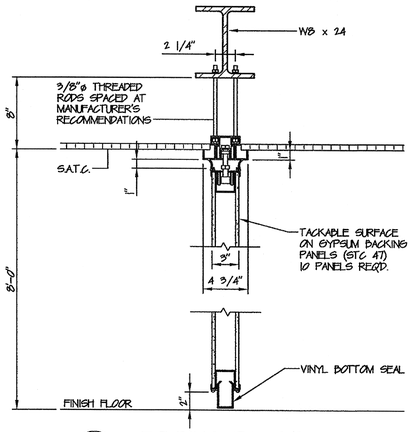
STAIRWELL PLANS AND DETAILS

Drawing No.
A-21

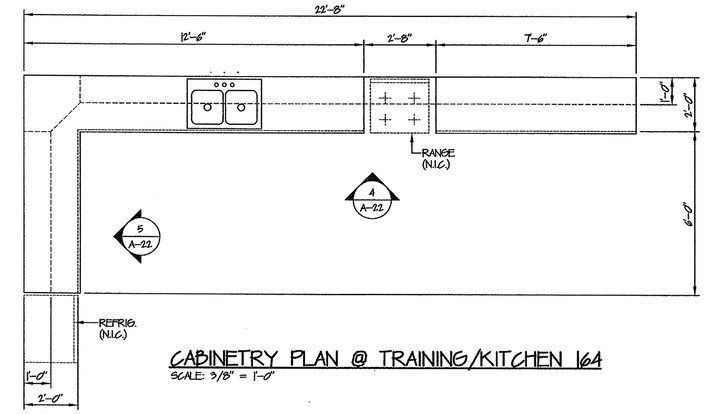
\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A21(stairs).dwg Thu Aug 29 13:50:19 2002



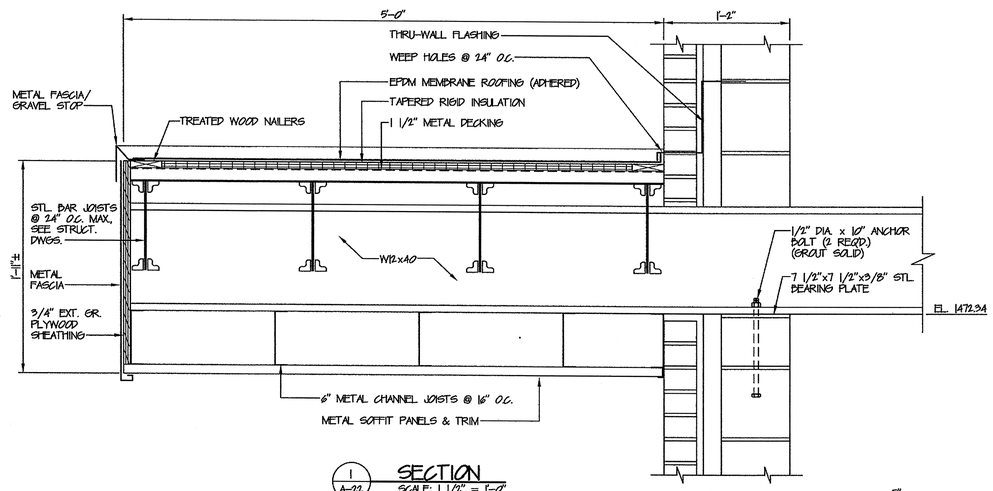
EXTERIOR CANOPY PLAN
SCALE: 3/4" = 1'-0"



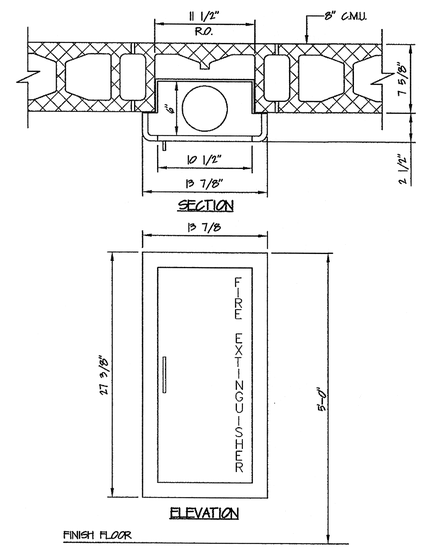
3 A-22 FOLDING PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"



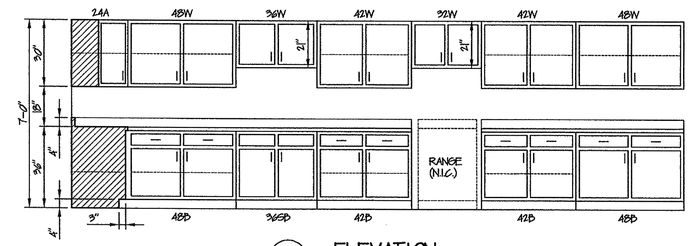
CABINETRY PLAN @ TRAINING/KITCHEN 164
SCALE: 3/8" = 1'-0"



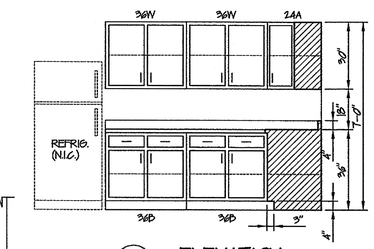
1 A-22 SECTION
SCALE: 1 1/2" = 1'-0"



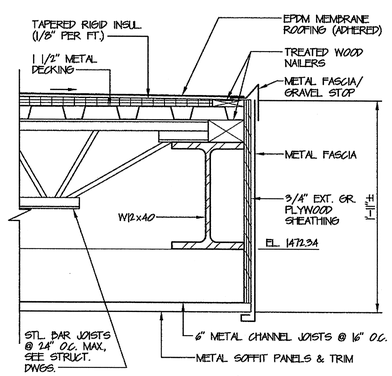
FIRE EXTINGUISHER CABINET DETAIL
SCALE: 1 1/2" = 1'-0"



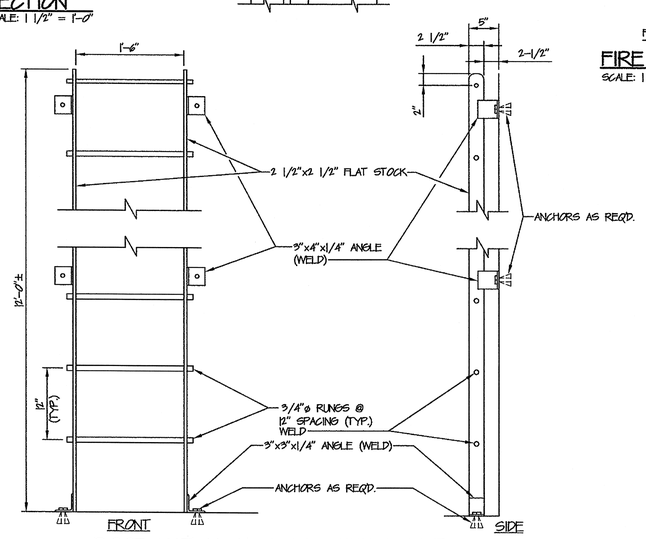
4 A-22 ELEVATION
SCALE: 3/8" = 1'-0"



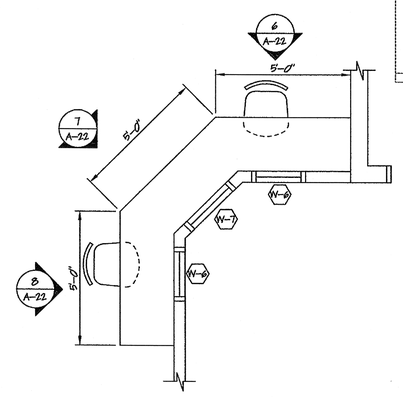
5 A-22 ELEVATION
SCALE: 3/8" = 1'-0"



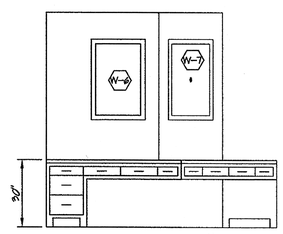
2 A-22 SECTION
SCALE: 1 1/2" = 1'-0"



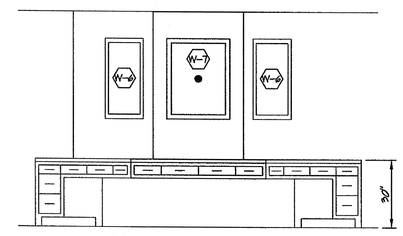
ROOF HATCH ACCESS LADDER DETAIL
SCALE: 1 1/2" = 1'-0"



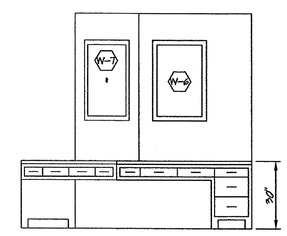
CABINETRY PLAN @ RECEPTIONIST 266
SCALE: 3/8" = 1'-0"



6 A-22 ELEVATION
SCALE: 3/8" = 1'-0"



7 A-22 ELEVATION
SCALE: 3/8" = 1'-0"



8 A-22 ELEVATION
SCALE: 3/8" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Dates: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A-22(misc. details)

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Date:
Approved By:

Date:
Approved By:

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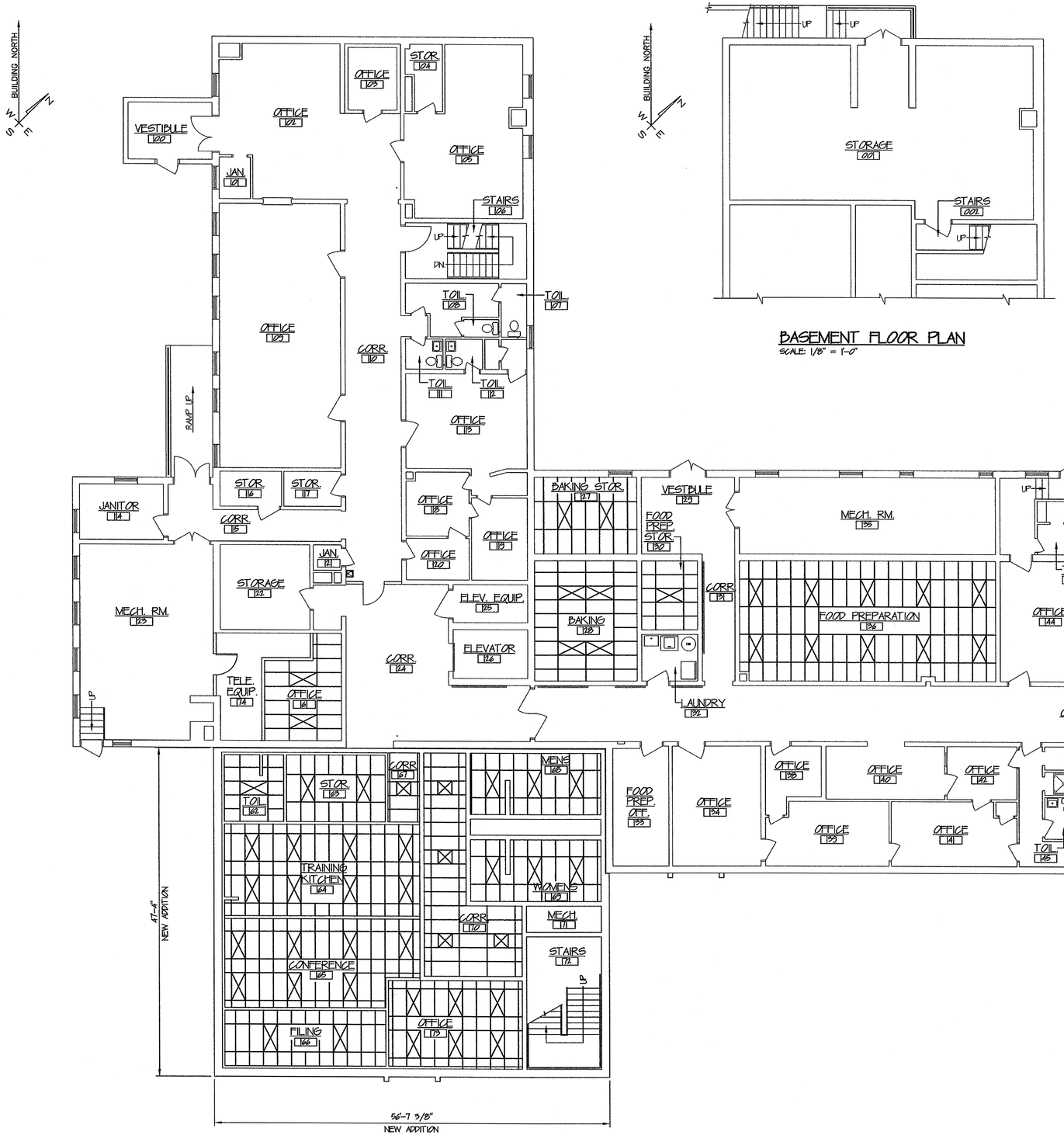
MISCELLANEOUS DETAILS

Drawing No.
A-22

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A-22(misc. details).dwg Thu Sep 05 14:24:14 2002



FIRST FLOOR PLAN – REFLECTED CEILING

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

BASEMENT FLOOR PLAN

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

Revised Date:

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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A23(first. flr. clg. plan)

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FIRST FLOOR PLAN - REFLECTED CEILING

Drawing No.
A-23

\\Server-1\Architecture\Projects\Clarion Co. Courthouse Annex\A23(first. flr. clg. plan).dwg Thu Sep 05 11:42:42 2002

SECOND FLOOR PLAN – REFLECTED CEILING

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A24(second flr. clg. plan)

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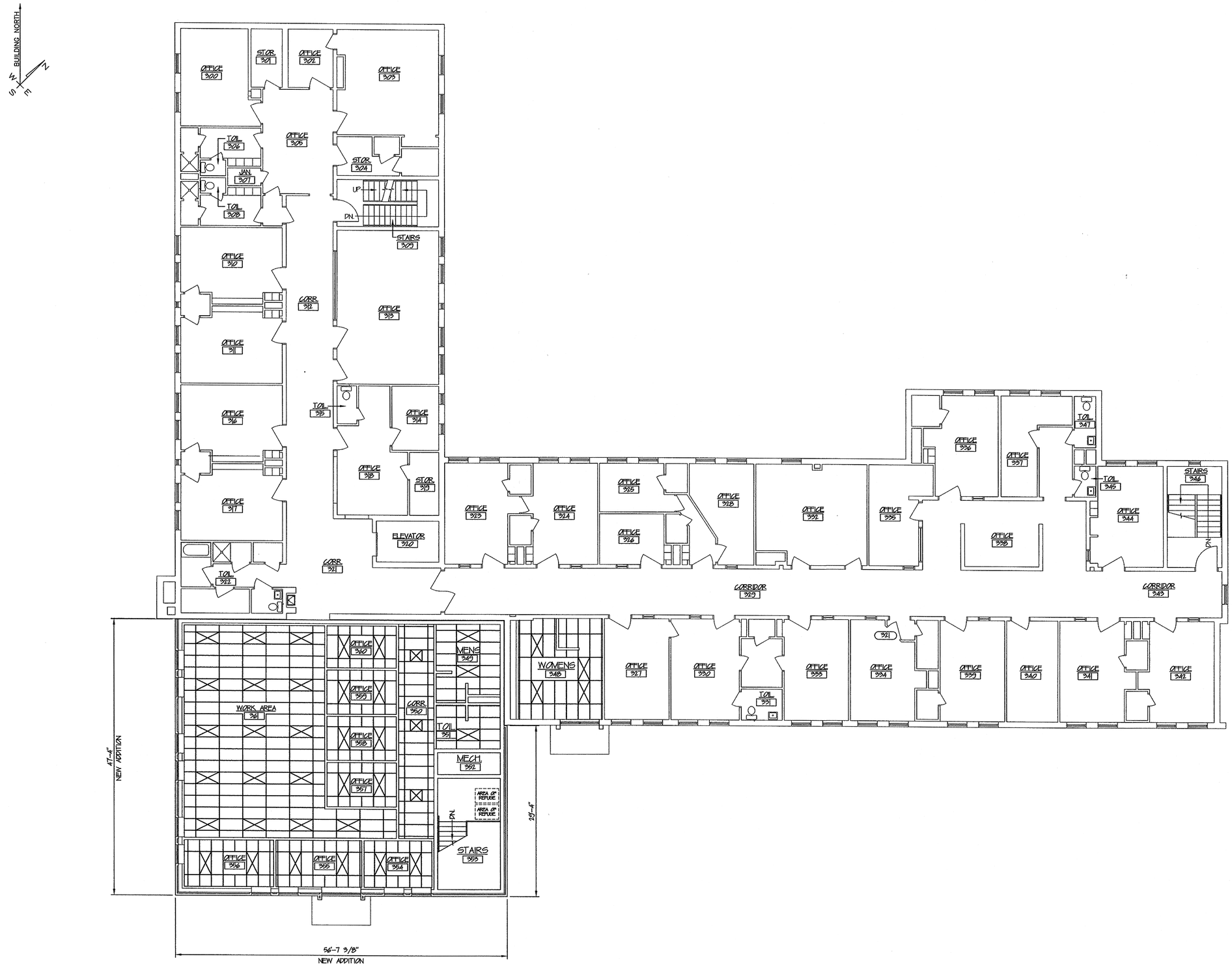
SECOND FLOOR PLAN - REFLECTED CEILING

Drawing No.
A-24

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A24(second flr. clg. plan).dwg Thu Sep 05 13:26:17 2002



THIRD FLOOR PLAN – REFLECTED CEILING

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A25(third flr. clg. plan)

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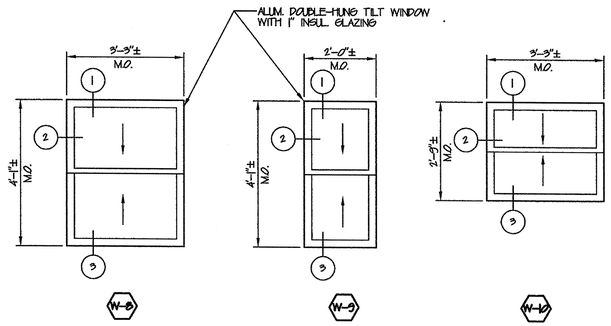
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

THIRD FLOOR PLAN - REFLECTED CEILING

Drawing No.
A-25

\\Server\Architecture\Projects\Clarion Co. Courthouse Annex\A25(third flr. clg. plan).dwg Thu Sep 05 14:18:46 2002



WINDOW TYPES (ADD ALTERNATE BID NO. 2)
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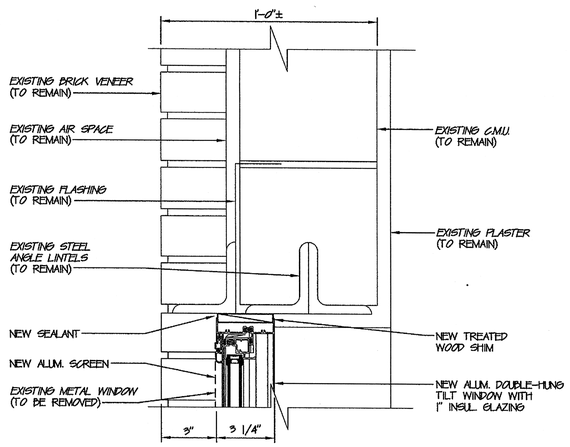
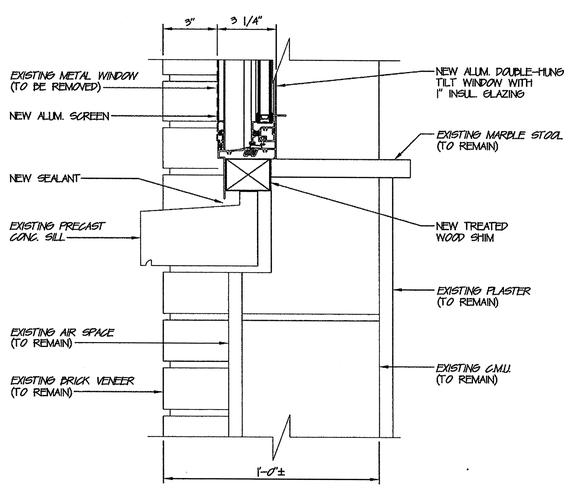


HEAD (1)



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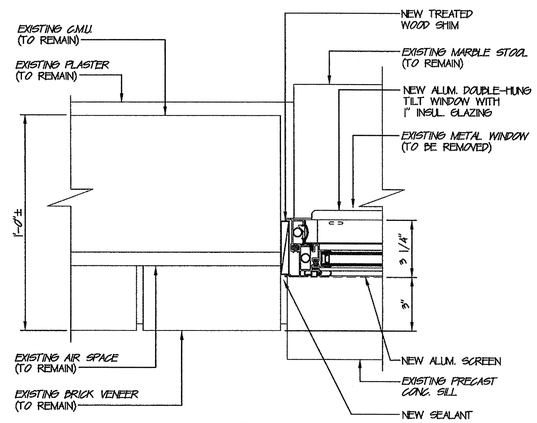
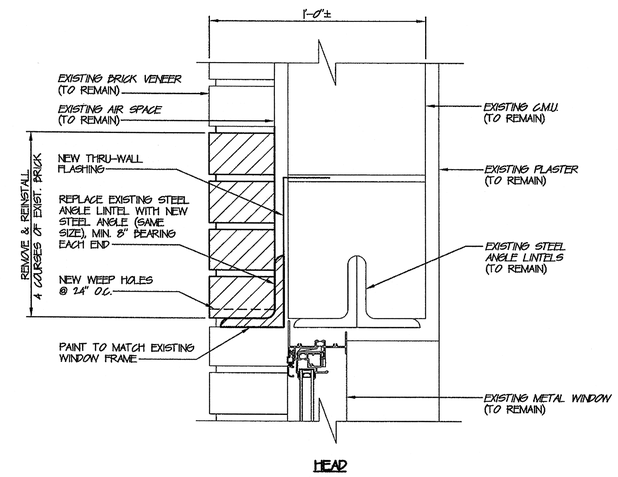


JAMB (2)

WINDOW FRAMING DETAILS (ADD ALTERNATE BID NO. 2)
SCALE: 3" = 1'-0"



HEAD

1 / A-23 DETAIL (ADD ALTERNATE BID NO. 1)
SCALE: 3" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. A26(windows)

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CLARION COUNTY COMMISSIONERS
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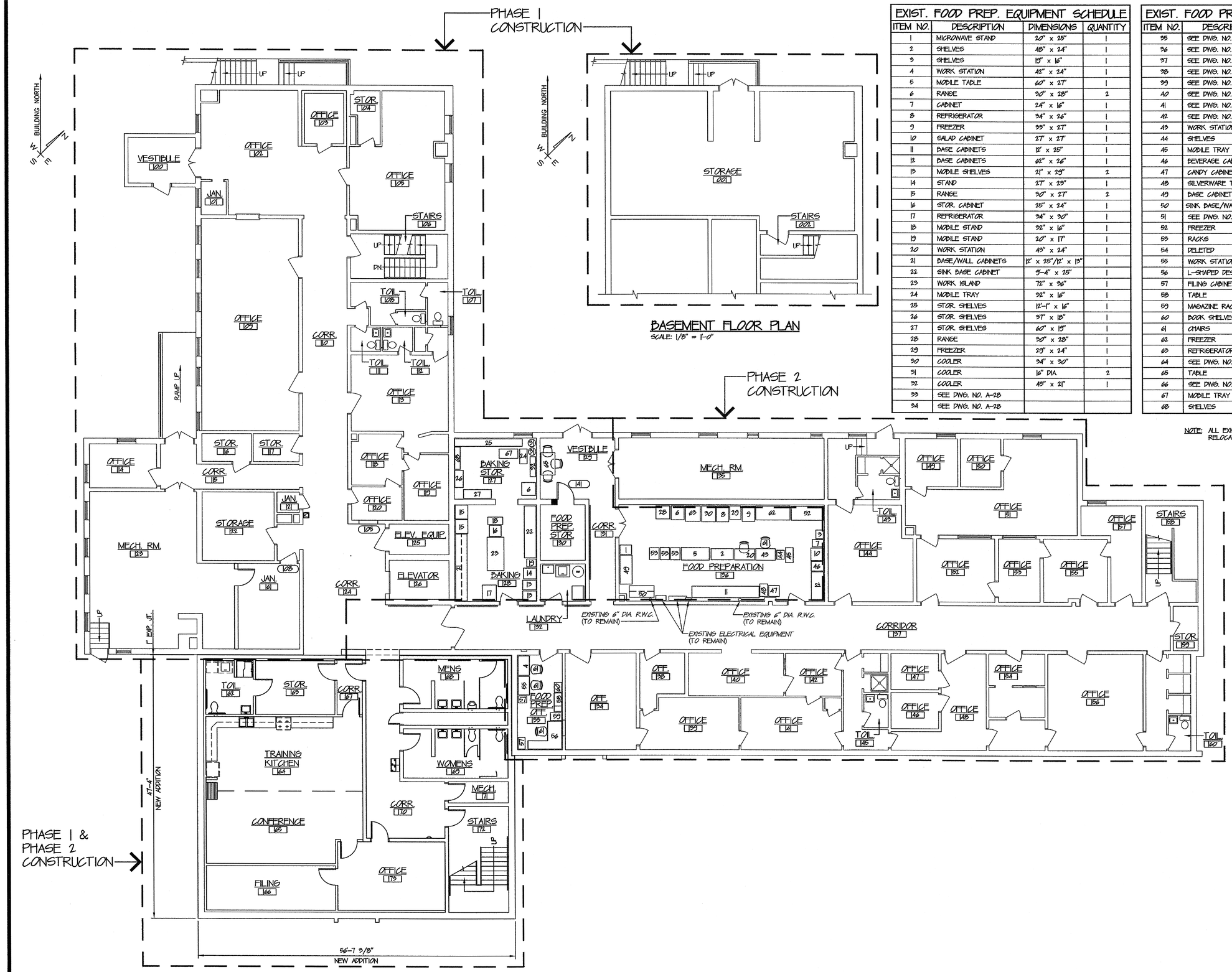
WINDOW DETAILS

Drawing No.
A-26

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A23(windows).dwg Wed Sep 04 15:36:55 2002



EXIST. FOOD PREP. EQUIPMENT SCHEDULE

ITEM NO.	DESCRIPTION	DIMENSIONS	QUANTITY
1	MICROWAVE STAND	20" x 25"	1
2	SHELVES	48" x 24"	1
3	SHELVES	19" x 16"	1
4	WORK STATION	42" x 24"	1
5	MOBILE TABLE	60" x 27"	1
6	RANGE	30" x 28"	2
7	CABINET	24" x 16"	1
8	REFRIGERATOR	34" x 26"	1
9	FREEZER	33" x 27"	1
10	SALAD CABINET	27" x 27"	1
11	BASE CABINETS	12' x 25"	1
12	BASE CABINETS	62" x 26"	1
13	MOBILE SHELVES	21" x 23"	2
14	STAND	27" x 23"	1
15	RANGE	30" x 27"	2
16	STOR. CABINET	25" x 24"	1
17	REFRIGERATOR	34" x 30"	1
18	MOBILE STAND	32" x 16"	1
19	MOBILE STAND	20" x 17"	1
20	WORK STATION	43" x 24"	1
21	BASE/WALL CABINETS	12' x 25"/12' x 13"	1
22	SINK BASE CABINET	9'-4" x 25"	1
23	WORK ISLAND	72" x 36"	1
24	MOBILE TRAY	32" x 16"	1
25	STOR. SHELVES	12'-1" x 16"	1
26	STOR. SHELVES	37" x 18"	1
27	STOR. SHELVES	60" x 19"	1
28	RANGE	30" x 28"	1
29	FREEZER	29" x 24"	1
30	COOLER	34" x 30"	1
31	COOLER	16" DIA.	2
32	COOLER	43" x 21"	1
33	SEE DWG. NO. A-28		
34	SEE DWG. NO. A-28		

EXIST. FOOD PREP. EQUIPMENT SCHEDULE

ITEM NO.	DESCRIPTION	DIMENSIONS	QUANTITY
35	SEE DWG. NO. A-28		
36	SEE DWG. NO. A-28		
37	SEE DWG. NO. A-28		
38	SEE DWG. NO. A-28		
39	SEE DWG. NO. A-28		
40	SEE DWG. NO. A-28		
41	SEE DWG. NO. A-28		
42	SEE DWG. NO. A-28		
43	WORK STATION	42" x 25"	1
44	SHELVES	19" x 16"	1
45	MOBILE TRAY	32" x 16"	1
46	BEVERAGE CABINET	26" x 20"	1
47	CANDY CABINET	24" x 23"	1
48	SILVERWARE TRAY	27" x 17"	1
49	BASE CABINETS	62" x 26"	1
50	SINK BASE/WALL CABINETS	5'-9"x25"/5'-9"x13"	1
51	SEE DWG. NO. A-28		
52	FREEZER	69" x 30"	1
53	RACKS	26" x 20"	3
54	DELETED		
55	WORK STATION	40" x 24"	1
56	L-SHAPED DESK	60"x30"/42"x18"	1
57	FILING CABINET	25"x15"/18"x15"	2
58	TABLE	28" x 16" x 12"	1
59	MAGAZINE RACK	24" x 17"	1
60	BOOK SHELVES	21" x 16"	1
61	CHAIRS	-----	3
62	FREEZER	6'-2" x 30"	1
63	REFRIGERATOR	33" x 32"	1
64	SEE DWG. NO. A-28		
65	TABLE	48" x 30"	1
66	SEE DWG. NO. A-28		
67	MOBILE TRAY	40" x 20"	1
68	SHELVES	48" x 12"	1

NOTE: ALL EXISTING FOOD PREPARATION EQUIPMENT RELOCATION IS NOT IN CONTRACT.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MWM
Checked By: TMC
Project No. 240C0272.10
File No. A27(kit. plan)

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Approved By: Date:

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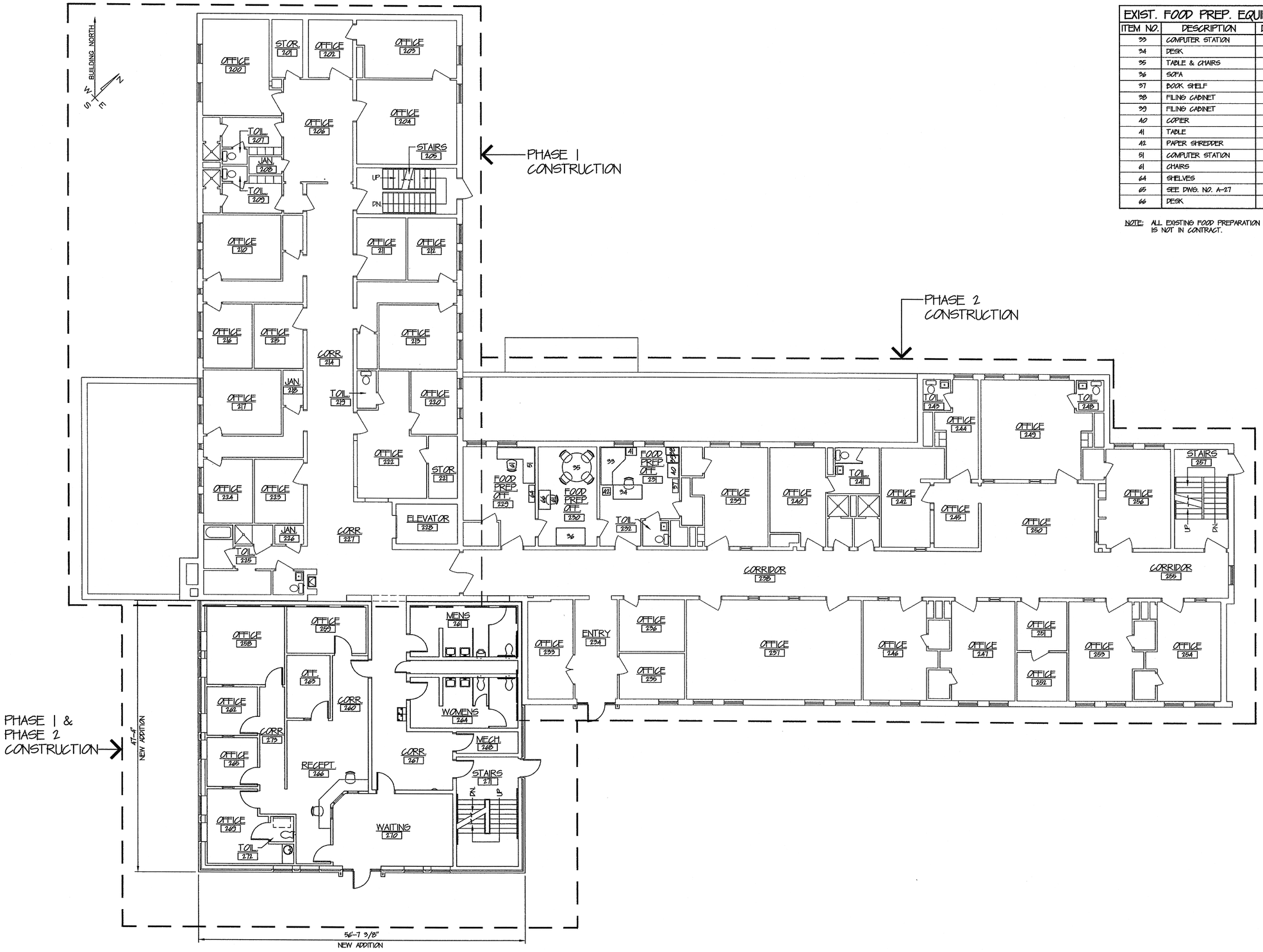
FOOD PREPARATION LAYOUT PLAN

Drawing No.
A-27

\\Server1\architecture\Projects\Clarion Co. Courthouse Annex\A24(kit. plan).dwg Wed Sep 04 15:42:12 2002



SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

EXIST. FOOD PREP. EQUIPMENT SCHEDULE			
ITEM NO.	DESCRIPTION	DIMENSIONS	QUANTITY
33	COMPUTER STATION	78" x 51"	1
34	DESK	60" x 30"	1
35	TABLE & CHAIRS	60" DIA.	1
36	SOFA	60" x 36"	1
37	BOOK SHELF	29" x 12"	1
38	FILING CABINET	26" x 15"	1
39	FILING CABINET	25" x 15"	1
40	COPIER	30" x 29"	1
41	TABLE	22" x 16"	1
42	PAPER SHREDDER	-----	1
51	COMPUTER STATION	6'-2 x 6'-6"	1
61	CHAIRS	-----	2
64	SHELVES	36" x 12"	1
65	SEE DWG. NO. A-27		
66	DESK	40" x 24"	1

NOTE: ALL EXISTING FOOD PREPARATION EQUIPMENT RELOCATION IS NOT IN CONTRACT.

Revised Date:

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Scale: AS NOTED
Date: SEPTEMBER 2002
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Checked By: TMC
Project No. 24002072.10
File No. A28(kit. plan)

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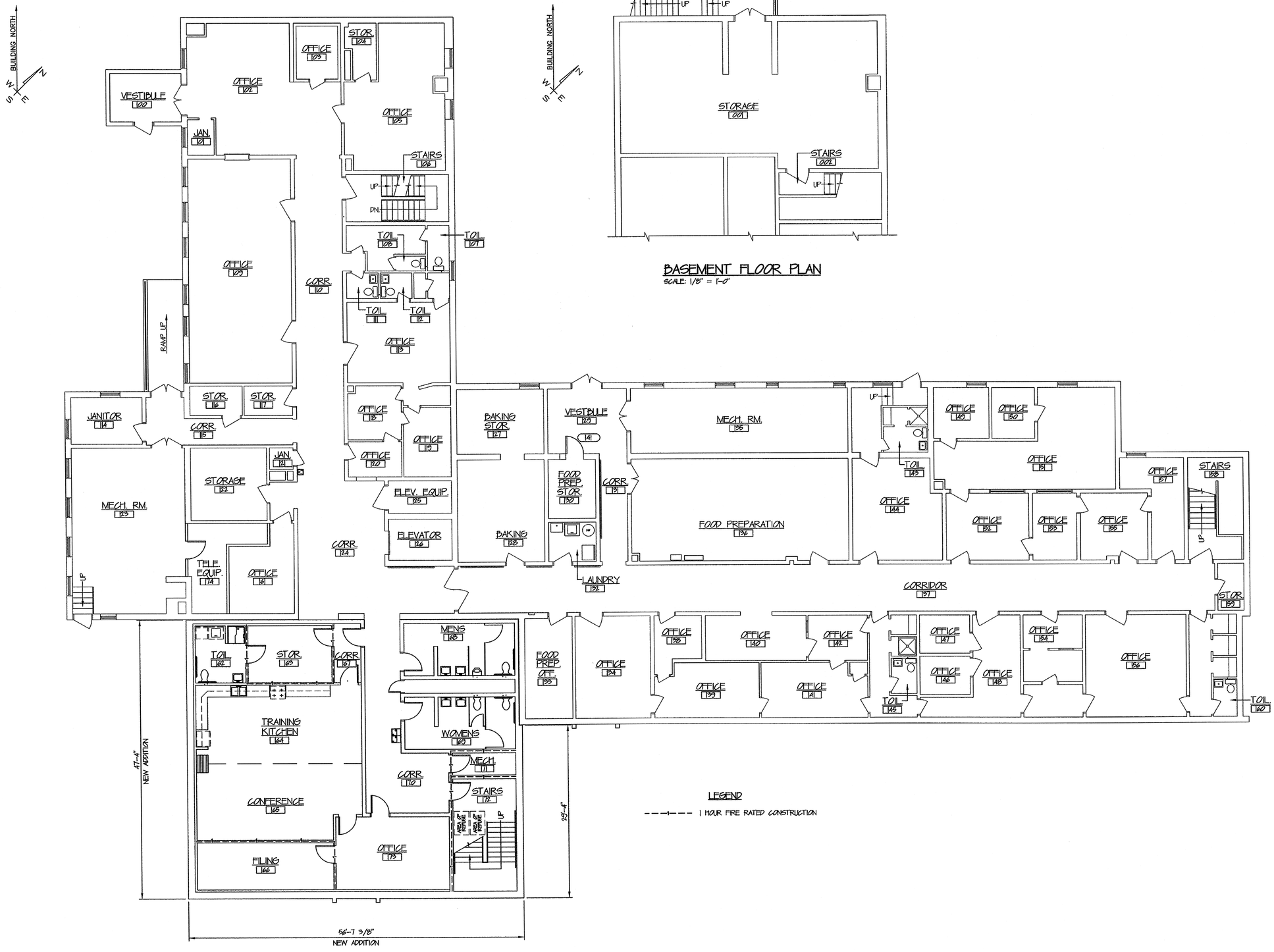
FOOD PREPARATION LAYOUT PLAN

Drawing No.
A-28

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\A25(kit. plan).dwg Wed Sep 04 15:43:36 2002



FIRE PROTECTION – FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: DJH
Checked By: TMC
Project No. 240020072.10
File No. F1(first. flr. plan)

Seal

Seal

Approved By: **Date:**

Approved By: **Date:**

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AT
CLARION COUNTY COURTHOUSE ANNEX
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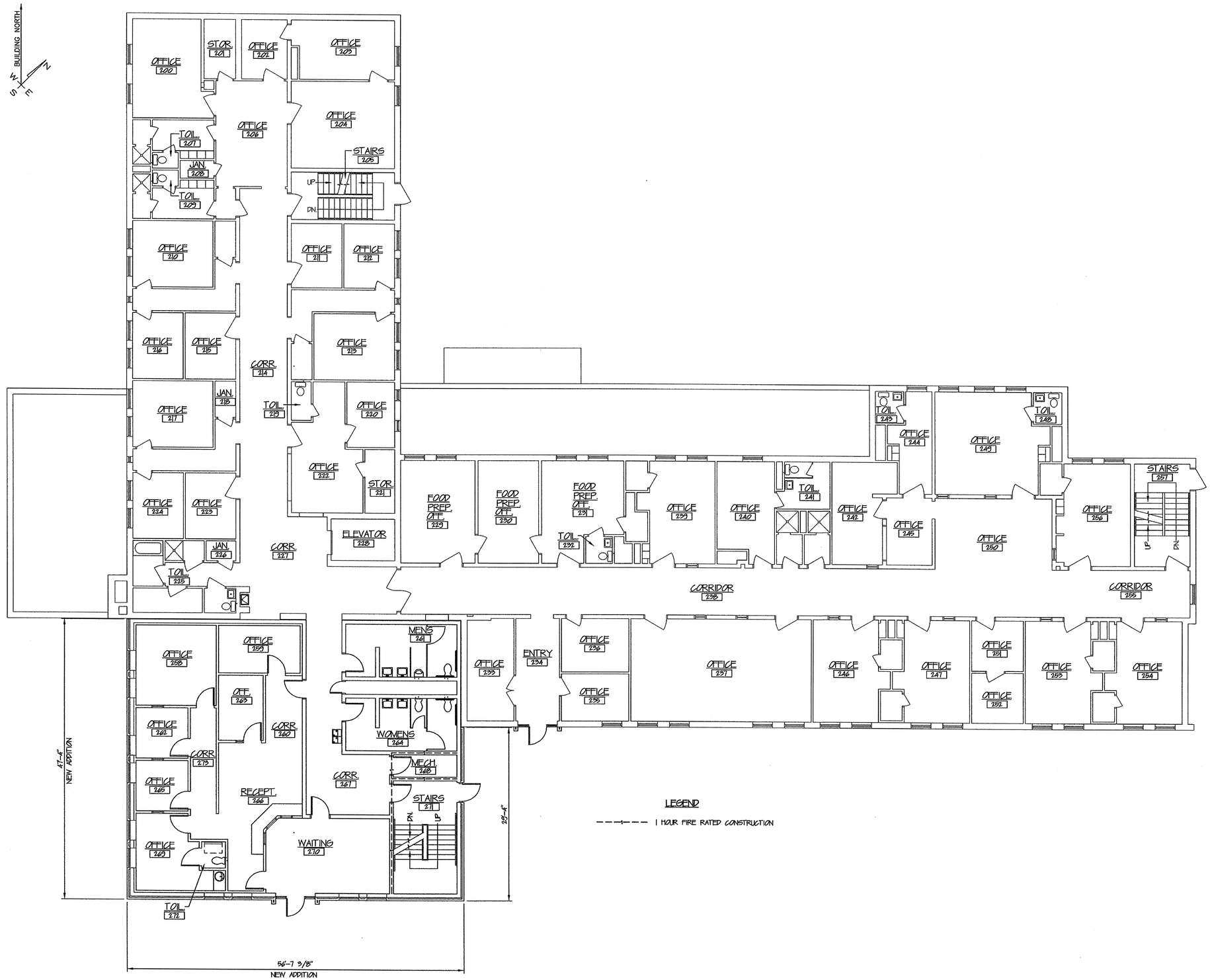
FIRE RATED CONSTRUCTION - FIRST FLOOR PLAN

Drawing No.
F-1

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\F1(first. flr. plan).dwg Wed Sep 04 16:34:13 2002



FIRE PROTECTION – SECOND FLOOR PLAN

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TMC
Project No. 24002072.10
File No. F2(second flr. plan)

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FIRE RATED CONSTRUCTION - SECOND FLOOR PLAN

Drawing No.
F-2

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\F2(second flr. plan).dwg Wed Sep 04 16:36:26 2002

LEGEND

---+--- 1 HOUR FIRE RATED CONSTRUCTION

FIRE PROTECTION – THIRD FLOOR PLAN

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

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: MNH
Checked By: TWC
Project No. 24002072.10
File No. F3(third flr. plan)

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FIRE RATED CONSTRUCTION - THIRD FLOOR PLAN

Drawing No.
F-3

\\Server1\Architecture\Projects\Clarion Co. Courthouse Annex\F3(third flr. plan).dwg Wed Sep 04 16:38:14 2002

STRUCTURAL NOTES

GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL OPENINGS THROUGH ROOF AND WALLS.
2. THE STRUCTURE SHALL BE TEMPORARILY BRACED AGAINST ALL VERTICAL AND LATERAL LOADS UNTIL ALL MEMBERS HAVE BEEN ERECTED AND HAVE ATTAINED ULTIMATE STRENGTHS.

FOUNDATION NOTES:

1. ALL SPREAD FOOTINGS HAVE BEEN DESIGNED FOR A SAFE BEARING CAPACITY OF 3000 PSF.
2. ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 48 INCHES (4'-0") BELOW FINISH GRADE.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. ALL DISCREPANCIES FOUND SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.

CONCRETE NOTES:

1. ALL REINFORCED CONCRETE SHALL BE IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318, LATEST EDITION, AS REVISED) OF THE AMERICAN CONCRETE INSTITUTE.
2. ALL CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH AS INDICATED IN THE SPECIFICATIONS. ALL EXPOSED CONCRETE SHALL BE AIR ENTRAINED.
3. ALL REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS MEETING A.S.T.M. A-615 SPECIFICATIONS, LATEST EDITION, WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
4. ALL DETAILING OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL FOLLOW THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
5. "LEAN CONCRETE" SHALL HAVE A MIN. COMPRESSIVE STENGTH OF 2000 PSI AT 28 DAYS.

STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL STEEL MATERIAL FABRICATION AND ERECTION SHALL COMPLY WITH THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL, LATEST EDITION.
2. ALL ANGLE LINTELS SHALL HAVE 8" MIN. BEARINGS. FILL CORES MIN. 8" WITH MORTAR UNDER BEARING.
3. STEEL BEAM BEARING ON C.M.U. WALL SHALL HAVE 7" MIN. BEARING AND (2) 3/4" DIA. ANCHOR BOLTS 16" LONG UNLESS OTHERWISE NOTED. FILL CORES FULL HEIGHT OF WALL WITH MORTAR UNDER BEARING.
4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE STANDARD CODE FOR ARC AND GAS WELDING IN BUILDINGS CONSTRUCTION OF THE AMERICAN WELDING SOCIETY. E70XX ELECTRODES SHALL BE USED.
5. ALL STEEL SHALL BE PAINTED AS PER SPECIFICATIONS.

MASONRY NOTES:

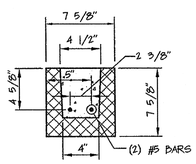
1. TERMINATE MASONRY WALLS UNDER SLAB ON GRADE 8" BELOW FINISH FLOOR.
2. ALL MASONRY UNITS SHALL BE SET IN A FULL BED OF MORTAR. VERTICAL JOINTS SHALL ALSO BE MORTARED FULL.
3. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT UNITS.
4. MORTAR SHALL CONFORM TO ASTM C270 TYPE S.
5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
6. JOINT REINFORCING SHALL BE 9 GAUGE LADDER TYPE, OR TRUSS TYPE.
7. LAP SPLICE REINFORCEMENT AS REQUIRED FOR WALL CONSTRUCTION MINIMUM LAP IS 48 BAR DIAMETERS.
8. VERTICAL WALL REINFORCING SHALL BE DOWELED INTO CONCRETE FOOTING AND EXTEND TO TOP OF WALL.
9. ALL CELLS WITH REINFORCEMENT, TO BE GROUTED SOLID.
10. THE FOUNDATION WALL SHALL NOT BE BACKFILLED UNTIL ALL FLOORS, WALLS AND THE ROOF HAS BEEN CONSTUCTED AND ALL MATERIALS HAVE ATTAINED ULTIMATE STRENGHT.

DESIGN CODES:

1. ACI 318-99 – BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
2. ASCE 7-98 – MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
3. INTERNATIONAL BUILDING CODE 2000
4. ACI530-99 – BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.
5. AISC NINTH EDITION–SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

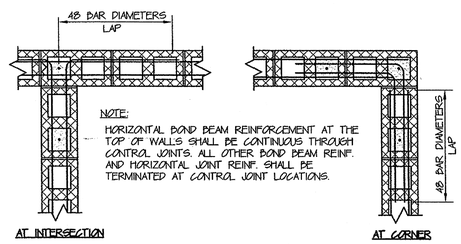
DESIGN LOADS AND PARAMETERS:

1. DEAD LOAD: ACTUAL WEIGHT OF MATERIALS AND CONSTRUCTION BUT NOT LESS THAN DEAD LOADS PRESCRIBED IN ASCE 7 TABLE C3-12.
2. LIVE LOAD: SECOND AND THIRD FLOORS = 80 PSF
   SLAB-ON-GRADE 125 PSF
3. ROOF SNOW LOAD = 30 PSF
4. EARTH LOAD: EQUIVALENT FLUID PRESSURE = 50 PCF
5. WIND: EXTERIOR WALLS 20 PSF
   INTERIOR WALLS 5 PSF
   ROOF -20 PSF
6. SEISMIC FACTORS–PER INTERNATIONAL BUILDING CODE
7. MECHANICAL EQUIPMENT AS PER APPROVED EQUIPMENT



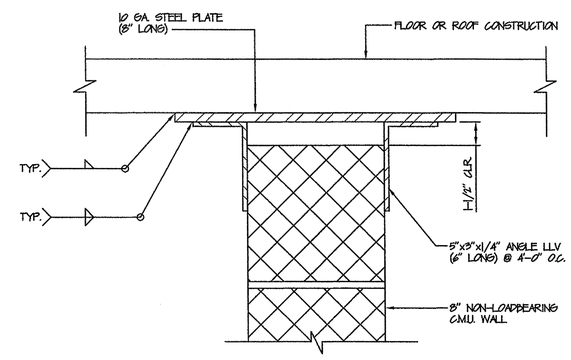
8" C.M.U. BOND BEAM

NOT TO SCALE



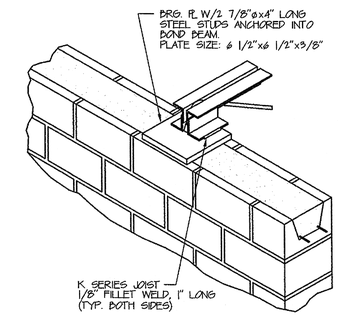
BOND BEAM REINFORCEMENT DETAILS

NOT TO SCALE



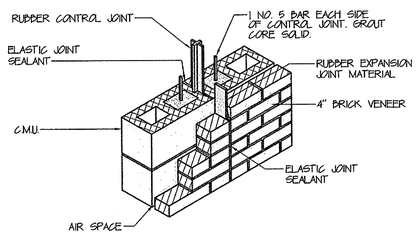
TYPICAL NON-LOADBEARING C.M.U. WALL CONNECTION DETAIL

N.T.S.



TYPICAL BAR JOIST BEARING DETAIL

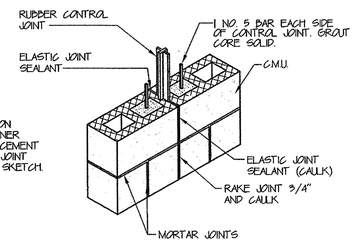
N.T.S.



EXTERIOR

NOTE:

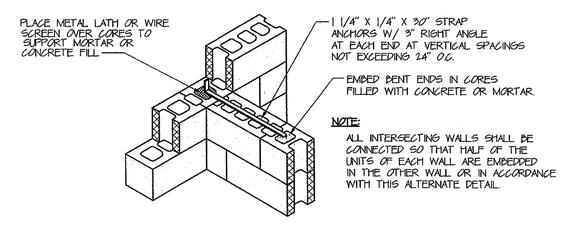
CONTROL JOINT LOCATION AS DEPICTED ON DRAWINGS ARE LOCATED IN SUCH A MANNER THAT THE ADJACENT STIFFENER REINFORCEMENT BAR SERVES AS ONE OF THE CONTROL JOINT REINFORCEMENT BAR DEPICTED ON THIS SKETCH.



INTERIOR

TYPICAL MASONRY CONTROL JOINT DETAILS

NOT TO SCALE

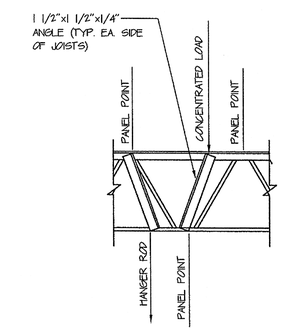


NOTE:

ALL INTERSECTING WALLS SHALL BE CONNECTED SO THAT HALF OF THE UNITS OF EACH WALL ARE EMBEDDED IN THE OTHER WALL OR IN ACCORDANCE WITH THIS ALTERNATE DETAIL.

C.M.U. WALL INTERSECTION ALTERNATE DETAIL

NOT TO SCALE



NOTES:

1. JOIST CHORDS ARE NOT DESIGNED FOR CONCENTRATED LOADS. IF A CONCENTRATED LOAD IS LOCATED AS SHOWN, FIELD WELD (ON EACH SIDE OF JOIST) AN EXTRA MEMBER FROM POINT OF LOAD TO NEAREST PANEL POINT ON OPPOSITE CHORD. EXTRA MEMBERS SHALL BE 1 1/2"x1 1/2"x1/4" ANGLE.
2. PRIOR TO APPLYING A CONCENTRATED LOAD, THE CONTRACTOR SHALL VERIFY WITH A STEEL JOIST MANUFACTURER THAT THE STEEL JOIST IS CAPABLE OF SUPPORTING THE ADDITIONAL LOAD.

JOIST REINFORCEMENT DETAIL

SCALE: N.T.S.

Revised Date:

UNREVISED

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: JDG
Checked By: RZ
Project No. 24002070.10
File No.

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DONALD WAYNE ZEMICK — LICENSE NUMBER 32321-E — 9-26-02

Seal

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Approved By: **Date:**

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CLARION COUNTY COMMISSIONERS
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AT
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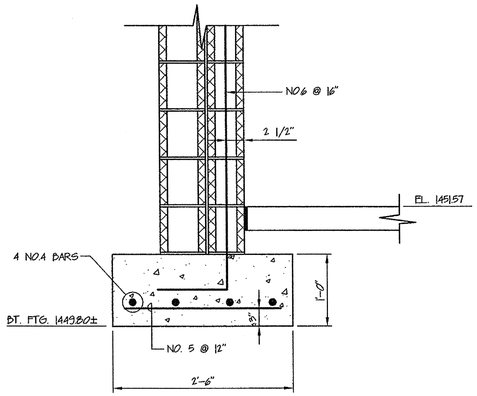
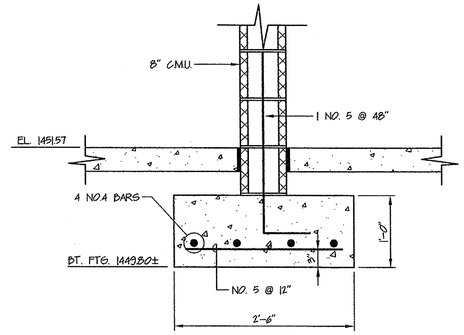
GENERAL NOTES AND DETAILS

Drawing No.
S-1

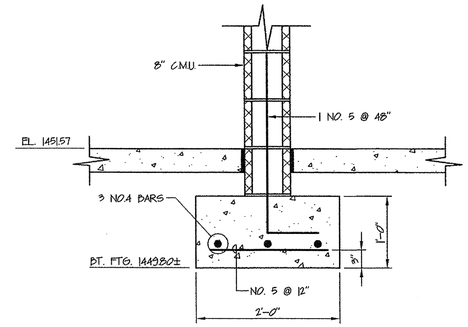


SECTION 1 / S-2
SCALE: 1"=1'-0"

NOTE: HORZ. BOND BEAMS FOR STAIRWELL WALLS NOT SHOWN.
SEE DWG. S-3 FOR TYPICAL MASONRY WALL REINF. REQUIREMENTS.

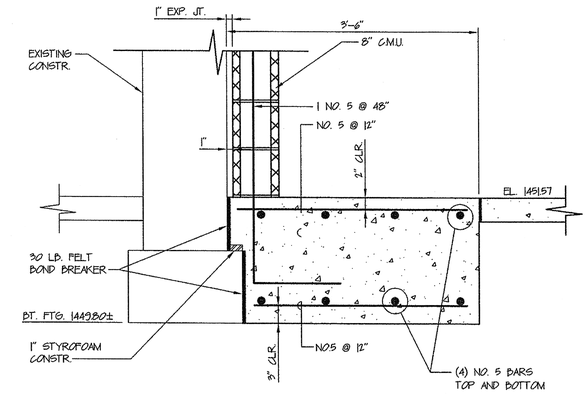


SECTION 2 / S-2
SCALE: 1"=1'-0"

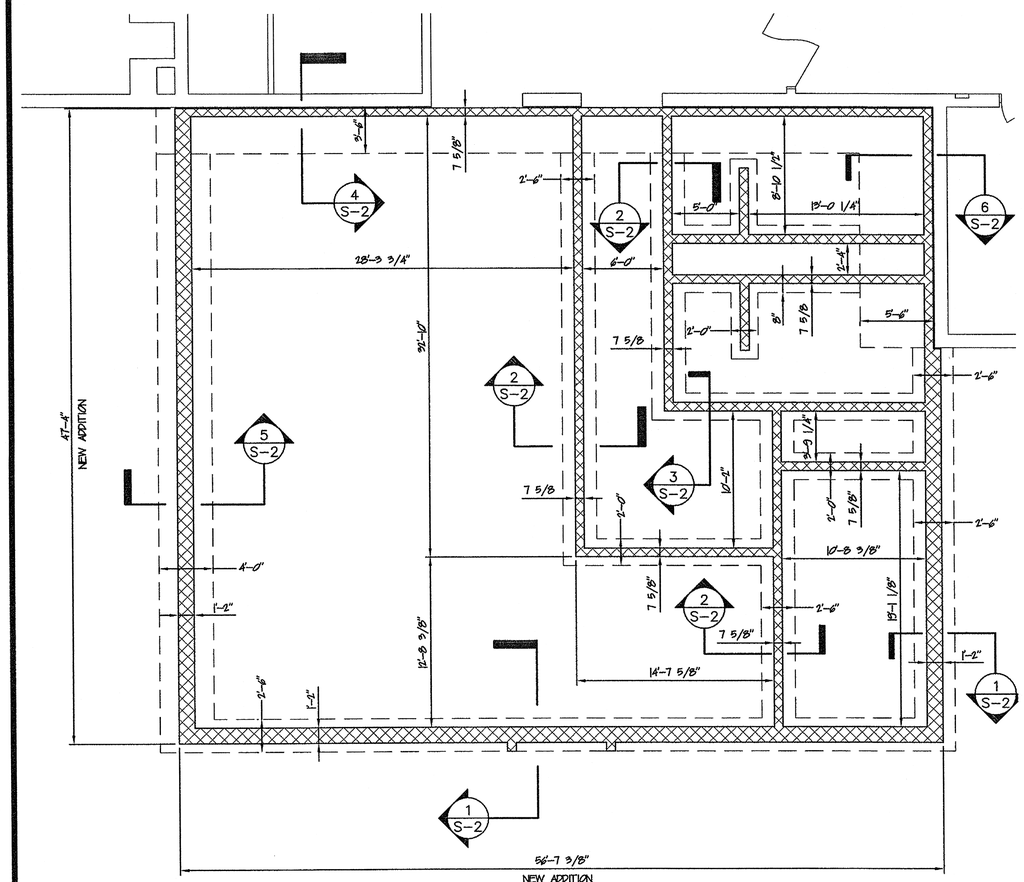


SECTION 3 / S-2
SCALE: 1"=1'-0"

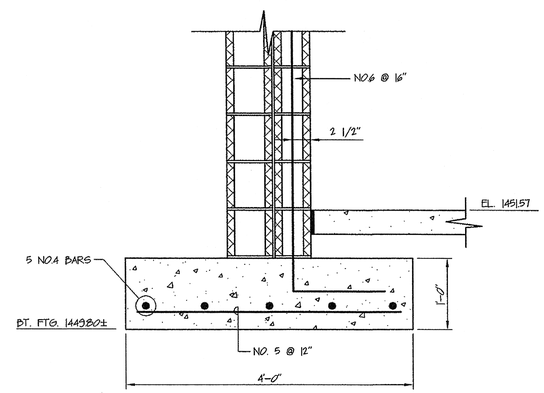
NOTE: TYPICAL FOR ALL INTERIOR NON-BEARING WALLS.



SECTION 4 / S-2
SCALE: 1"=1'-0"



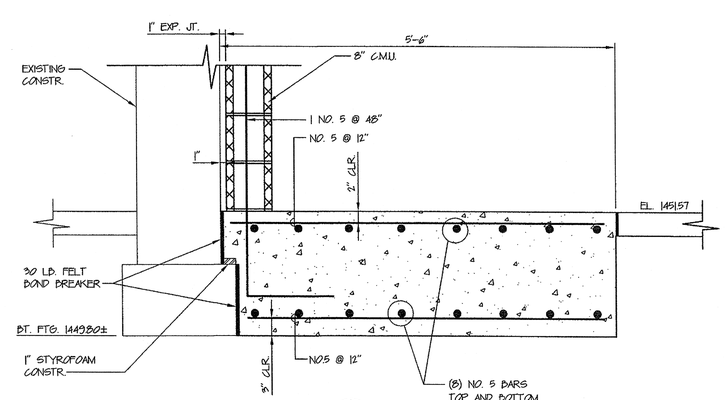
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



SECTION 5 / S-2
SCALE: 1"=1'-0"

NOTE:

1. BOTTOM OF FOOTING ELEVATION FOR NEW CONSTRUCTION IS TO MATCH EXISTING (EL. 144.80±)
2. SEE DWG. S-3 FOR TYPICAL MASONRY WALL REINFORCEMENT.



SECTION 6 / S-2
SCALE: 1"=1'-0"

Revised Date:
UNREVISED

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Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: JDG
Checked By: RWZ
Project No. 24002072.10
File No. MCC1133A-3(S.F.P.)

Seal

Seal

Approved By: Date:

Approved By: Date:

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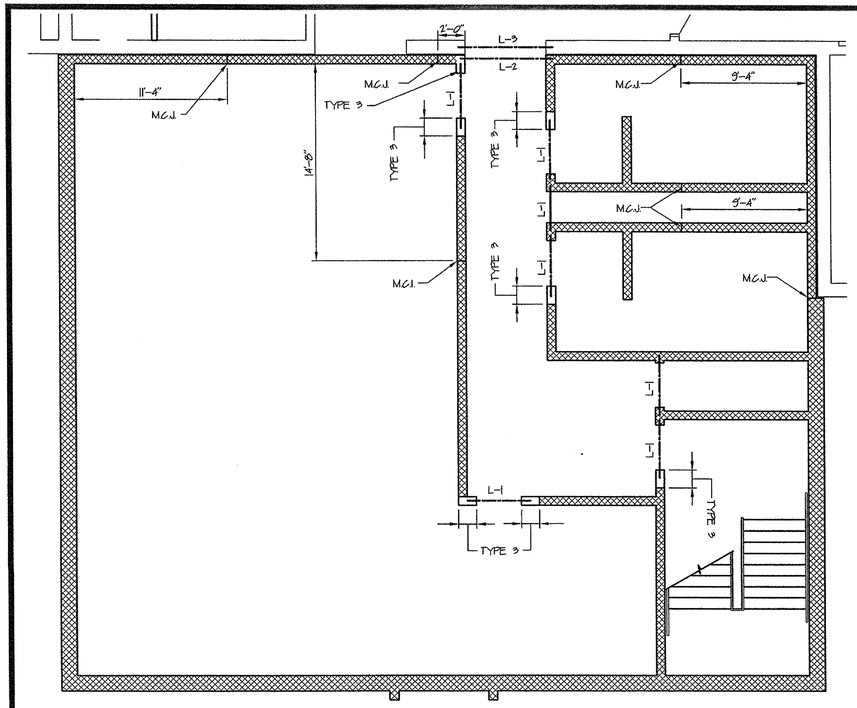
CLARION, PENNSYLVANIA

FOUNDATION PLAN AND DETAILS

Drawing No.
S-2



FIRST FLOOR STIFFENER AND LINTEL PLAN

SCALE: 3/16" = 1'-0"

LINTEL & BEAM SCHEDULE

MARK	DIAGRAM	MATERIAL	REMARKS	BRG. @ L x W x T
L-1	JL	DOUBLE ∠s 4" x 3 1/2" x 3/8" LLV		N/A
L-2	JL	DOUBLE ∠s 6" x 3 1/2" x 3/8" LLV	CONNECT TOGETHER AT END PT & MID PT.	N/A
L-3	I	W8x31	WELD PLATE TO BEAM	7"x7 1/2"x1/2"
L-4	JLL	DOUBLE ∠s 4" x 3 1/2" x 3/8" LLV	BRICK SUPPORT	N/A
		W/ 6"x6"x3/8"		N/A
L-5	JLL	DOUBLE ∠s 6" x 3 1/2" x 3/8" LLV	CONNECT TOGETHER AT END PT & MID PT.	N/A
		W/ 6"x6"x3/8"	BRICK SUPPORT	N/A

NOTE:

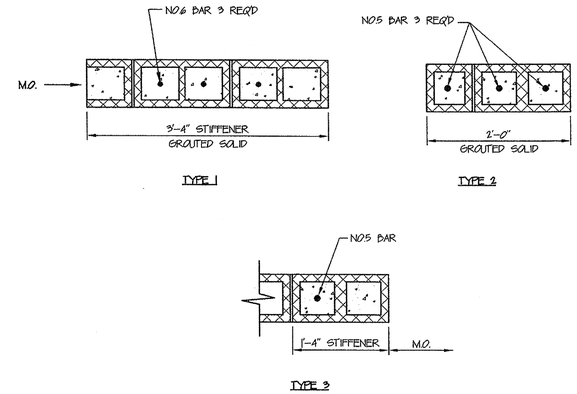
PROVIDE LINTELS WHERE INDICATED AND FOR ALL OPENINGS 12" OR GREATER: FOR 8" C.M.U.

USE DBL. L4x3 1/2x3/8 LLV FOR OPENINGS 12" TO 48" U.N.O.
USE DBL. L5x3 1/2x3/8 LLV FOR OPENINGS 49" TO 72" U.N.O.

TYPICAL MASONRY WALL REINF. REQUIREMENTS:

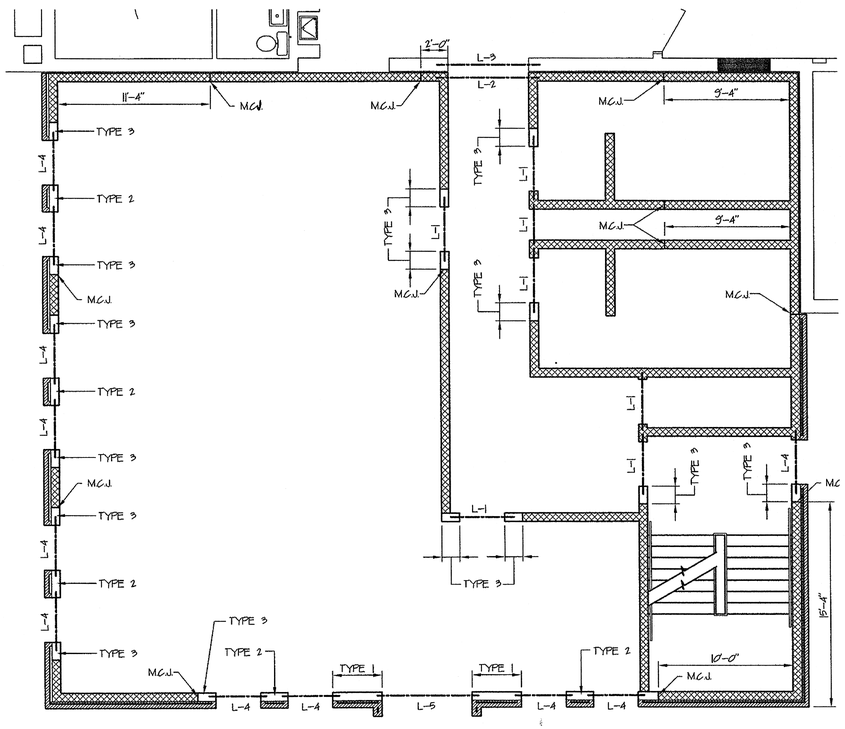
IN ADDITION TO THE REINFORCEMENT DEPICTED ON THE DRAWINGS THE FOLLOWING MASONRY REINFORCEMENT IS REQUIRED.

1. ALL FIRST FLOOR EXTERIOR 14" C.M.U. WALLS SHALL BE REINFORCED WITH 1 NO.6 VERTICAL BAR @ 16" C/C SEE DETAIL THIS SHEET FOR FIRST FLOOR WALL REINFORCEMENT PLACEMENT.
2. IN ADDITION TO 1 NO.6 VERTICAL BAR @ 16" C/C THE FIRST FLOOR EXTERIOR STAIRWELL WALLS SHALL BE REINFORCED WITH HORIZONTAL BOND BEAMS WITH 2 NO.7 BARS SPACED AT 16" C/C
3. ALL INTERIOR WALLS AND ALL EXTERIOR C.M.U. WALLS ABOVE THE FIRST FLOOR SHALL BE REINFORCED WITH 1 NO.5 VERTICAL BAR @ 48" C/C EXCEPT THE EAST STAIRWELL WALL SHALL BE REINFORCED WITH 1 NO.6 VERTICAL BAR @ 16" C/C
4. HORIZONTAL JOINT REINFORCEMENT AT 16" C/C REQUIRED IN ALL MASONRY WALLS.
5. 1 NO. 5 BAR EACH SIDE OF CONTROL JOINTS, AT EACH WALL INTERSECTION AND AT EACH WALL CORNER OR WALL FREE END WITH NO LINTEL OR BEAM ABOVE.
6. HORIZONTAL BOND BEAM WITH TWO NUMBER 5 BARS AT JOIST BRG. ELEVATION.
7. ALL VERTICAL REINFORCEMENT IS TO BE DOWELED INTO THE FOOTING AND EXTEND TO THE TOP OF WALL.



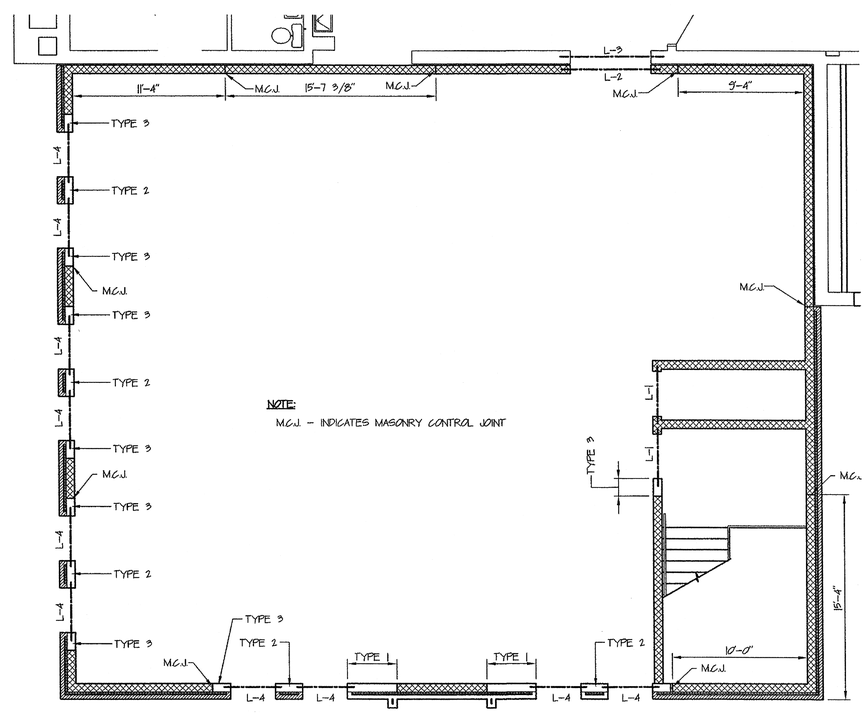
MASONRY WALL STIFFENER TYPES

SCALE: 1"=1'-0"



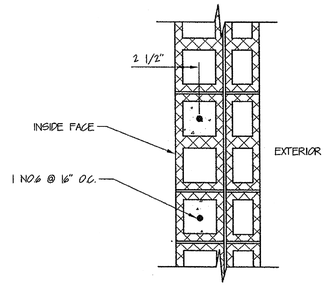
SECOND FLOOR STIFFENER AND LINTEL PLAN

SCALE: 3/16" = 1'-0"



THIRD FLOOR STIFFENER AND LINTEL PLAN

SCALE: 3/16" = 1'-0"



FIRST FLOOR EXTERIOR WALL VERTICAL REINF. PLACEMENT

SCALE: 1"=1'-0"

Revised Date:
UNREVISED

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: JDG
Checked By: RZ
Project No. 2400207.2.10
File No.-

Seal

Seal

Approved By: Date:

Approved By: Date:

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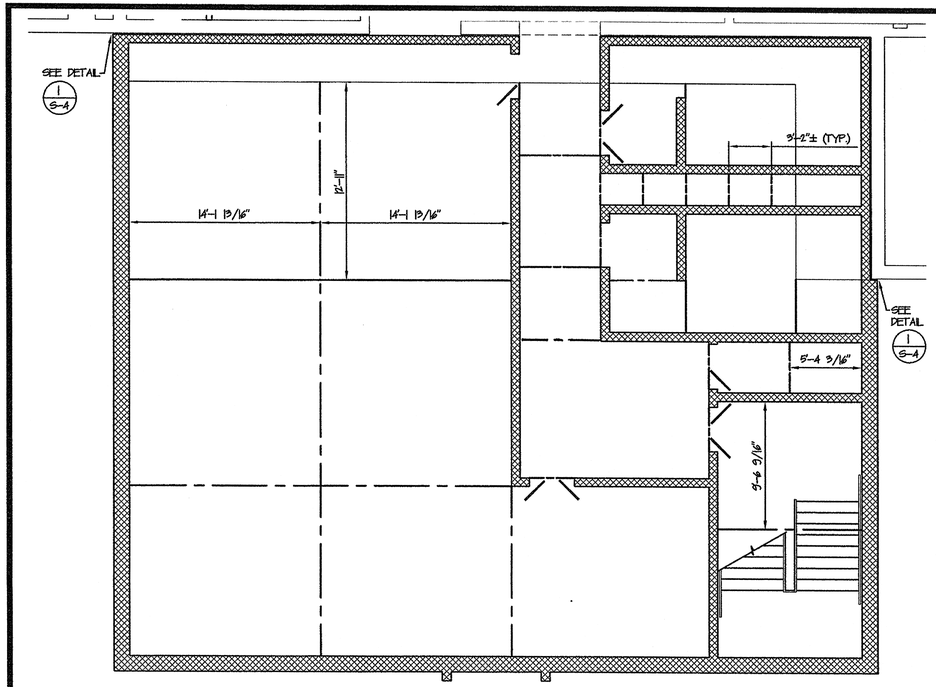
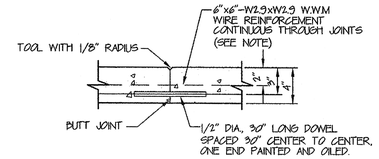
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE
CLARION, PENNSYLVANIA

STIFFENER & LINTEL PLANS

Drawing No.
S-3



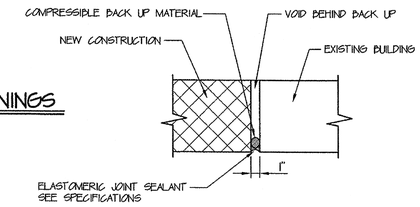
FIRST FLOOR CONTROL JOINT PLAN
SCALE: 3/16" = 1'-0"



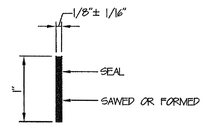
NOTE :
WHERE CONSTRUCTION JOINT IS LOCATED AT A DESIGNATED CONTRACTION JOINT, WIRE REINFORCEMENT TO BE TERMINATED 3" MAX. FROM BUTT JOINT.

4" SLAB-ON-GRADE BUTT CONSTRUCTION JOINT DETAIL
N.T.S. (TO BE USED WHEN CONCRETE PLACEMENT IS STOPPED OR DELAYED)

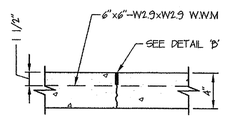
TYPICAL SLAB-ON-GRADE REINFORCEMENT @ DOOR OPENINGS
NOT TO SCALE



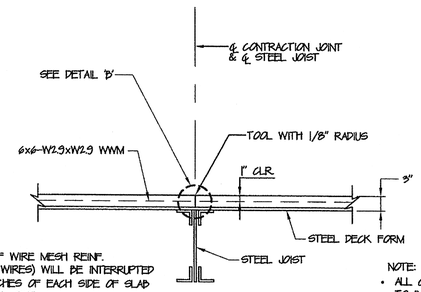
DETAIL 1/S-4
NOT TO SCALE



DETAIL B
N.T.S.



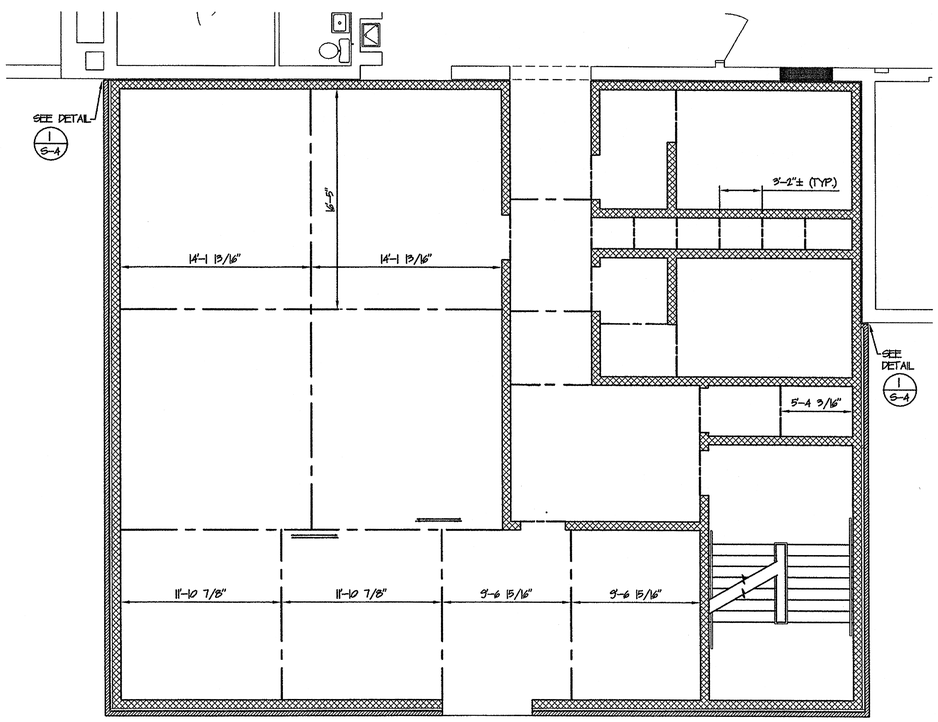
4" SLAB-ON-GRADE CONTRACTION JOINT DETAIL
N.T.S.



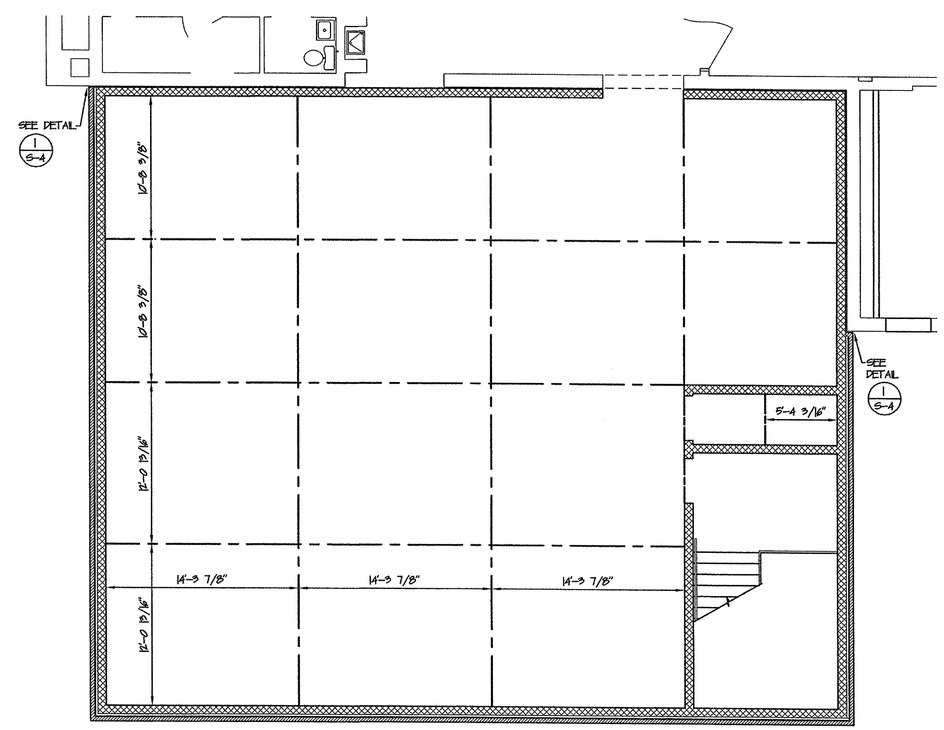
NOTE:
ONE HALF OF WIRE MESH REINF. (ALTERNATE WIRES) WILL BE INTERRUPTED WITHIN 2 INCHES OF EACH SIDE OF SLAB CONTRACTION JOINT.

NOTE:
- ALL CONTRACTION JOINTS PLACED PARALLEL TO BAR JOIST MUST BE PLACED DIRECTLY OVER CENTER LINE OF JOIST

CONTRACTION JOINT
3" NON COMPOSITE
CONCRETE FLOOR
SCALE: 1"=1'-0"



SECOND FLOOR CONTROL JOINT PLAN
SCALE: 3/16" = 1'-0"



INDICATES CONTRACTION JOINT

THIRD FLOOR CONTROL JOINT PLAN
SCALE: 3/16" = 1'-0"

Revised Date:
UNREVISED

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Dates: SEPTEMBER 2002
Drawn By: JDG
Checked By: RWZ
Project No. 24002072.10
File No. MCC1133A-3(S.F.P.)

Seal

Approved By: Date:

Approved By: Date:

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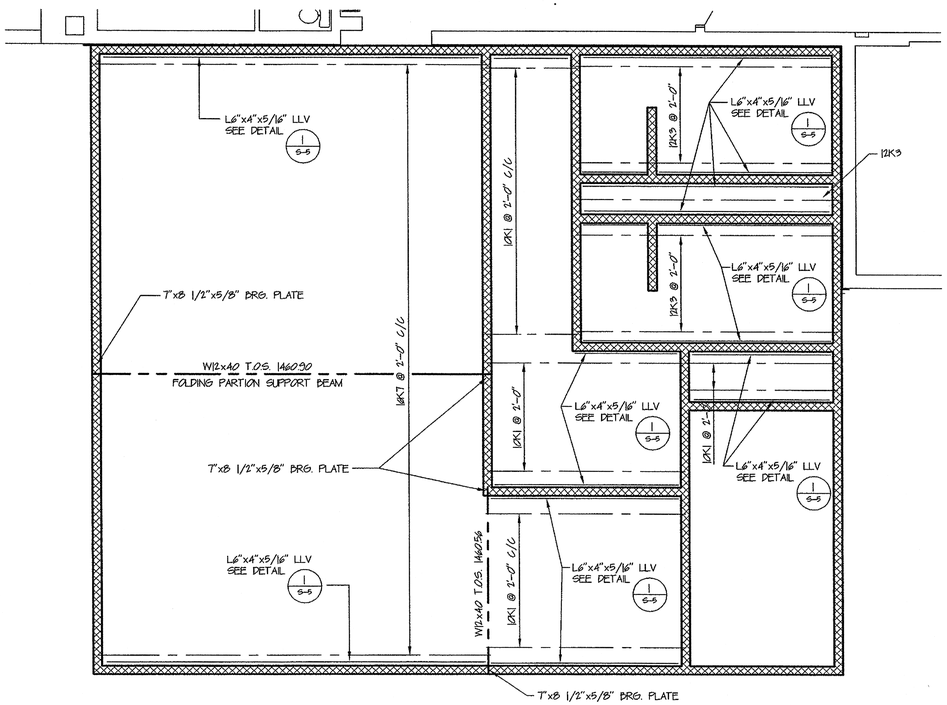
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE
CLARION, PENNSYLVANIA

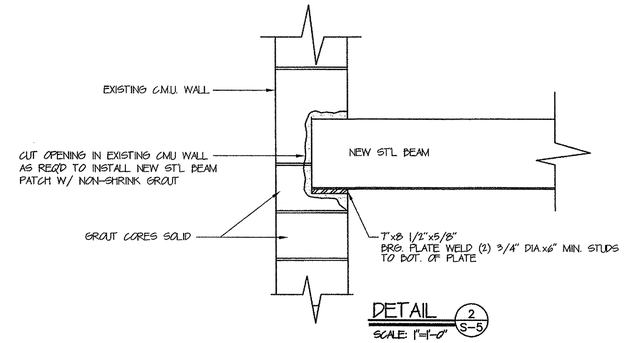
SEPTEMBER 2002

Drawing No.
S-4



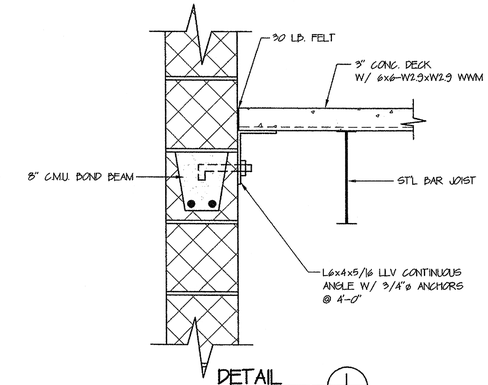
SECOND FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"



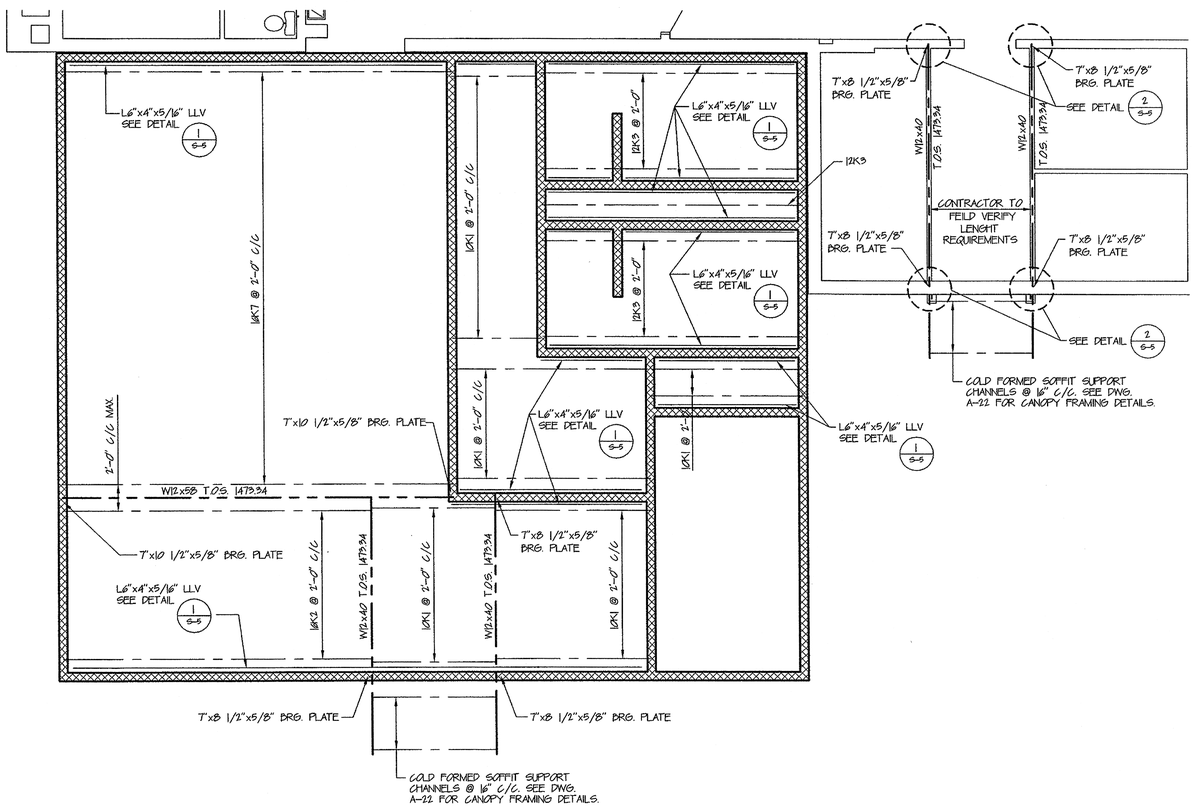
DETAIL 2/S-5

SCALE: 1"=1'-0"



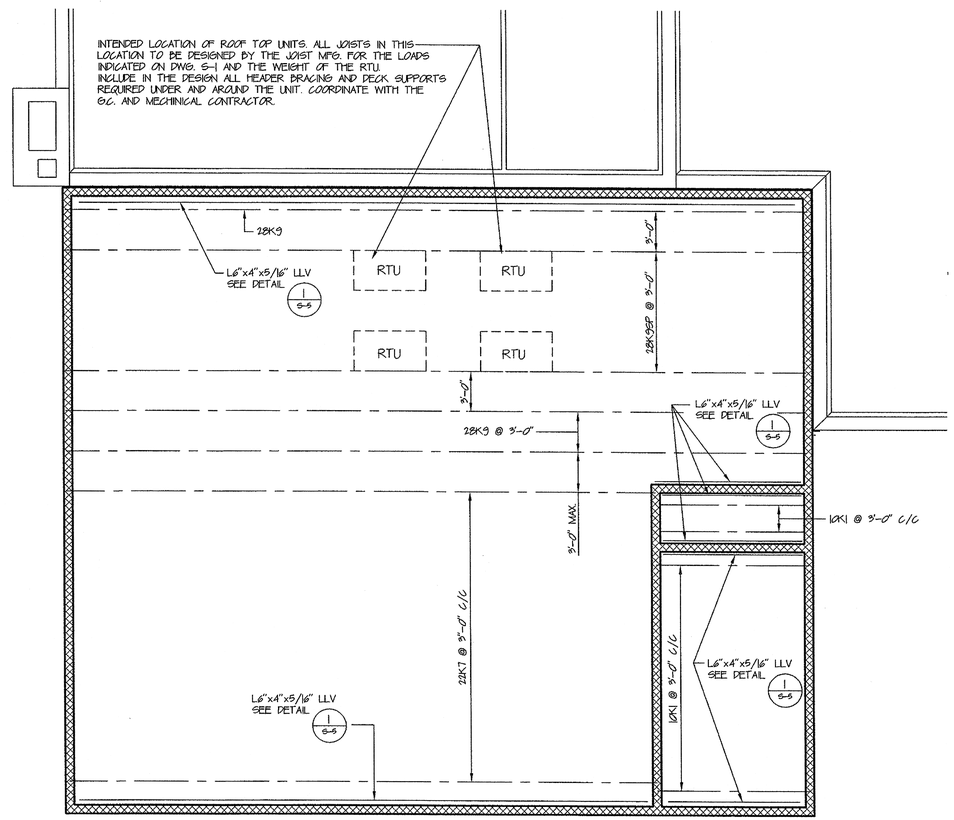
DETAIL 1/S-5

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



THIRD FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"



ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

Revised Date:

UNREVISED

NOTE: DO NOT SCALE DRAWINGS
Each contractor is to verify all existing conditions and dimensions.

Scale: AS NOTED
Date: SEPTEMBER 2002
Drawn By: JDG
Checked By: RZ
Project No. 24002072.10
File No.

Seal

Seal

09-06-02

Approved By: Date:

Approved By: Date:

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FRAMING PLANS & DETAILS

Drawing No.
S-5

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. CONDUIT AND WIRING REQUIRED TO INSURE PROPER OPERATION OF THE EXISTING SYSTEM(S), WHICH IS NOT INTENDED TO BE DISTURBED UNDER THIS PROJECT, SHALL REMAIN OR BE REVISED AND RECONNECTED TO MAINTAIN THE EXISTING SERVICE(S).

PLAN NOTES

ELECTRICAL

(E1) SEE "TYPICAL ROOF RECEPTACLE DETAIL" THIS SHEET FOR INSTALLATION REQUIREMENTS.

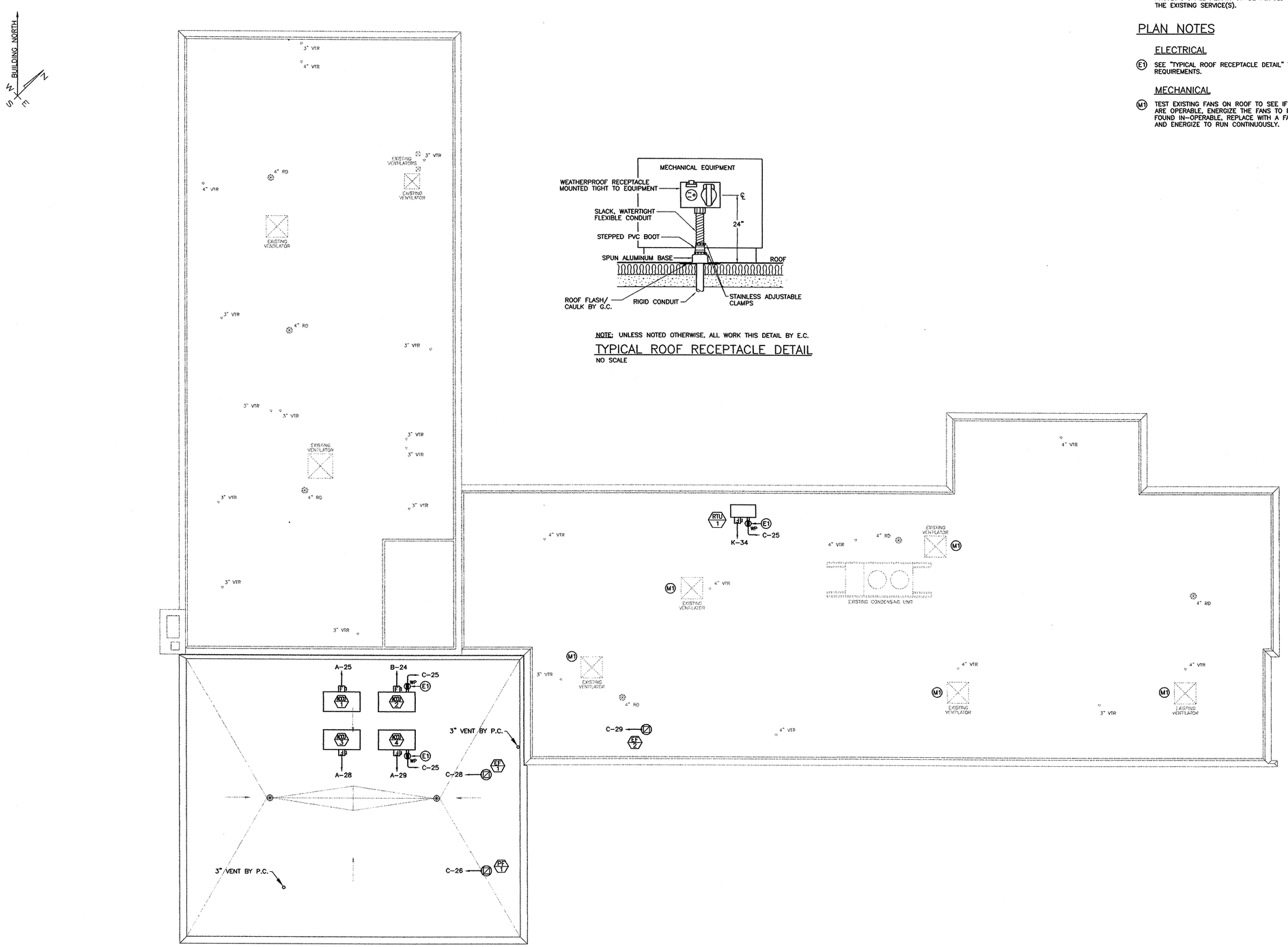
MECHANICAL

(M1) TEST EXISTING FANS ON ROOF TO SEE IF THEY ARE OPERABLE. IF FANS ARE OPERABLE, ENERGIZE THE FANS TO RUN CONTINUOUSLY. IF FANS ARE FOUND IN-OPERABLE, REPLACE WITH A FAN WITH IDENTICAL CHARICTARISTICS AND ENERGIZE TO RUN CONTINUOUSLY.

NOTE: UNLESS NOTED OTHERWISE, ALL WORK THIS DETAIL BY E.C.

TYPICAL ROOF RECEPTACLE DETAIL

NO SCALE



ROOF PLAN – HVAC, PLUMBING, & ELECTRICAL

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

N:\Coc02031\Acad\CD\01a - hpe\HPE-1 roof plan - hvac, plumbing, & electical.dwg

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each Contractor is to verify all existing conditions and dimensions.

Scale AS SHOWN
Date SEPTEMBER 5, 2002
Drawn By: EJB/TJL/MJM/CWH
Checked By: VAJ
Project No. 13202031
File No. N/A

Seal

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL VINCENT A. JOHNSON ENGINEER NO. 33005-E

Seal

Approved By: **Date:**

Approved By: **Date:**

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AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

ROOF PLAN - HVAC, PLUMBING, ELECTRICAL

Drawing No.
HPE-1

KEY TO SYMBOLS

NOTES:
A. NOT ALL SYMBOLS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.
B. DASHED SYMBOLS REPRESENT EXISTING EQUIPMENT OR EQUIPMENT NOT IN CONTRACT.

PIPING AND VALVE SYMBOLS

HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HCR	HOT/CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
R	REFRIGERANT PIPING
GWS	GROUND WATER SUPPLY
GWR	GROUND WATER RETURN
A	COMPRESSED AIR
BBD	BOILER BLOWDOWN
C	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
D	CONDENSATE DRAIN
CF	CHEMICAL FEED
MW	MAKE-UP WATER
G	NATURAL GAS
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MPC	MEDIUM PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE

GATE VALVE, BALL VALVE
GLOBE VALVE
GLOBE ANGLE VALVE
BALL VALVE
BALANCING VALVE
CHECK VALVE
LOW PRESSURE COCK WITH PILOT PORT
SOLENOID VALVE
AUTOMATIC CONTROL VALVE – 3 WAY
AUTOMATIC CONTROL VALVE – 2 WAY
FUSIBLE LINK VALVE (UL LISTED)
RELIEF/SAFETY VALVE
NEEDLE VALVE
VACUUM BREAKER
AUTOMATIC FILL VALVE
STRAINER
GAS COCK
PRESSURE REDUCING STATION
STEAM TRAP
THERMOSTATIC AIR VENT
DIRECTION OF AIR FLOW
DIRECTION OF PITCH

PIPE RISING UP
PIPE DROPPING DOWN
CONCENTRIC REDUCER
INVERTED ECCENTRIC REDUCER
UNION
ANCHOR (EXPANSION)
GUIDE (EXPANSION)
EXPANSION JOINT
FLOW SWITCH
FLOW METER
CAP OR PLUG
THERMOMETER
GAUGE W/GAUGE COCK AND SNUBBER (WATER)
MANUAL AIR VENT
AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)
CLEANOUT
PRESSURE – TAP
ISOLATION VALVE STATION
TRIPLE DUTY VALVE

DUCTWORK SYMBOLS

DOUBLE-LINE

EXISTING DUCTWORK
NEW SUPPLY, RETURN OR EXHAUST DUCTWORK
DUCTWORK TO BE REMOVED
FLAT OVAL DUCTWORK
PERFORATED PLATE DAMPER
VOLUME DAMPER – MANUAL
COMBINATION FIRE/SMOKE DAMPER (X= 1, 2 OR 3 HR)
FIRE DAMPER IN VERTICAL DUCT THRU FLOOR OR HORIZONAL DUCT ABOVE CEILING (PROVIDE ACCESS PANEL IN DUCT AND WALL OR CEILING)
FIRE DAMPER (X= 1, 2 OR 3 HR) NOTE: NO VALUE IMPLIES 1 HR.
FIRE ALARM DUCT DETECTOR – SMOKE
FIRE ALARM DUCT DETECTOR – HEAT
SMOKE DAMPER

AUTOMATIC DAMPER
VANED ELBOW
BRANCH DUCT TAKE-OFF
EXHAUST DIFFUSER
RETURN DIFFUSER
SUPPLY DIFFUSER (ALL DIFFUSERS ARE 4 WAY UNLESS NOTED OTHERWISE)
LINEAR DIFFUSER
RETURN AIR GRILLE WITH EXTENDED DUCT (REFER TO DETAIL) PLENUM RETURN
CARBON DIOXIDE SENSOR
THERMOSTAT
CONTROL TRANSFORMER
CONTROL SWITCH
EMERGENCY BEACON LIGHT SYSTEM
THERMOSTAT CONNECTION TO HVAC EQUIPMENT

GENERAL SYMBOLS

CONNECT TO EXISTING AS INDICATED
INDICATES PLAN NOTE NUMBER
INDICATES CLEARANCE AROUND UNITS

DIFFUSER TAG
MECH. DIFFUSER IDENTITY
MECH. DIFFUSER NUMBER

HVAC EQUIPMENT TAG
MECH. EQUIPMENT IDENTITY
MECH. EQUIP. NUMBER

–INDICATES SECTION LETTER
INDICATES CROSS SECTION
–INDICATES SHEET NUMBER WHERE SECTION IS FOUND

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.

AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
ADR	AUTOMATIC DAMPER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AMS	AIRFLOW MEASURING STATION
APD	AIR PRESSURE DROP
APPROX.	APPROXIMATE
ARCH.	ARCHITECT
ARRG.	ARRANGEMENT
ATC	AUTOMATIC TEMPERATURE CONTROL
AV	AIR VENT
AVG.	AVERAGE
AWT	AVERAGE WATER TEMPERATURE
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BBD	BOILER BLOW DOWN
BCU	BLOWER COIL UNIT
BDD	BACKDRAFT DAMPER
B.F.F.	BELOW FINISHED FLOOR
BLDG	BUILDING
BLW	BELOW
BM	BELL MOUTH
B.O.D.	BOTTOM OF DUCT
BSMT	BASEMENT
BTU	BRITISH THERMAL UNITS
C	CONVERTOR OR CONVECTOR
CAP	CAPACITY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CI	CAST IRON
℄	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSOR
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONTR	CONTRACTOR
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CUV	CABINET UNIT VENTILATOR
CV	CONSTANT VOLUME AIR TERMINAL
DB	DRY BULB
DEMO.	DEMOLITION
DIA	DIAMETER
DIAG	DIAGRAM
DIFF	DIFFUSER
DISCH	DISCHARGE
DL	DRUM LOUVER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DPR.	DAMPER
DWG	DRAWING
DX	DIRECT EXPANSION
E. OR EMER.	EMERGENCY
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR OR .4 CONTRACT
EDB	ENTERING DRY BULB TEMP.
EER	ENERGY EFFIECENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ERC	EXHAUST REGISTER, CEILING
ERW	EXHAUST REGISTER WALL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWB	ENTERING WET BULB TEMP.
EWH	ELECTRIC WALL HEATER
EWT	ENTERING WATER TEMPERATURE
EXIST.	EXISTING
EXP	EXPANSION
°F	DEGREES FAHREHEIT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
F.F.	FINISHED FLOOR
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FM	FLOW METER
FO	FLAT OVAL DUCT
FPB	FAN POWERED BOX
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FTR	FINNED-TUBE RADIATION
FV	FACE VELOCITY
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
G.C.	GENERAL CONTRACTOR OR .1 CONTRACT
GND.	GROUND
GPM	GALLONS PER MINUTE
GV	GRAVITY VENTILATOR
H.C.	HEATING CONTRACTOR OR .2 CONTRACT
HD	PUMP–HEAD
HP	HORSEPOWER
HP	HEAT PUMP
HRU	HEAT RECOVERY UNIT
HT	HEIGHT
HTR	HEATER
HUH	HORIZONAL UNIT HEATER
HVAC	HEATING VENTILATION AIR CONDITIONING
IER	INVERTED ECCENTRIC REDUCER
INT	INTERLOCK
IVS	ISOLATION VALVE STATION
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
Lb	POUND
LD	LINEAR DIFFUSER
LDB	LEAVING DRY BULB TEMPERATURE
LDC	LINEAR DIFFUSER CEILING
LDW	LINEAR DIFFUSER WALL
LF	LINEAR FEET
LVR	LOUVER
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	THOUSANDS OF BTU PER HOUR
M.C.	MECHANICAL CONTRACTOR
MCA	MAXIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINUMUM
MISC	MISCELLANEOUS
MOD	MOTOR OPERATED DAMPER
MTD	MOUNTED
NC	NORMALLY CLOSED
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
P	PUMP
PART	PARTIAL
P.C.	PLUMBING CONTRACTOR OR .3 CONTRACT
PD	PRESSURE DROP
PG	PRESSURE GAUGE
PH	PHASE
PNL	PANEL
POS	POSITIVE
PRES	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSD	PLENUM SLOT DIFFUSER
PSI	POUNDS PER SQUARE INCH
P/T	PRESSURE/TEMPERATURE PORT
PTAC	PACKAGED TERMINAL AIR CONDITIONING UNIT
PTP	PRESSURE TEMPERATURE PLUG
PVC	POLYVINYL CHLORIDE
QUAN	QUANTITY
RAD	RADIATION
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILLE
RCU	REFRIGERANT CONDENSING UNIT
REQ'D	REQUIRED
RET	RETURN
RH	RELATIVE HUMIDITY
RH	REHEAT COIL
RH	RADIANT HEATER
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RRC	RETURN REGISTER, CEILING
RRW	RETURN REGISTER WALL
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SC	SENSIBLE COOLING
SCH	SCHEDULE
SD	SMOKE DAMPER
SDC	SUPPLY DIFFUSER, CEILING
SDR	SUPPLY DIFFUSER ROUND
S–DET	SMOKE DETECTOR
SENS	SENSIBLE
SF	SUPPLY FAN
SP	STATIC PRESSURE
SP.C.	SPRINKLER CONTRACTOR OR .6 CONTRACT
SPD	STATIC PRESSURE DROP
SPEC	SPECIFICATIONS
SRV	SAFETY RELIEF VALVE
SRW	SUPPLY REGISTER WALL
SQ FT	SQUARE FEET
SSAC	SPLIT SYSTEM AIR CONDITIONER
STD	STANDARD
STL	STEEL
STM	STEAM
STR	STRUCTURAL
SUCT	SUCTION
SUP	SUPPLY
TC	TOTAL COOLING
TEMP	TEMPERATURE
TF	TRANSFER FAN
TG	TRANSFER GRILLE
TH	TOTAL HEAT
TOT	TOTAL
TP	TOTAL PRESSURE
TRAN	TRANSITION
TSP	TOTAL STATIC PRESSURE
T–STAT	THERMOSTAT
TYP	TYPICAL
UC	UNDERCUT
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
V	VOLTS
VAV	VARIABLE AIR VOLUME TERMINAL
VD	VOLUME DAMPER
VEL	VELOCITY
V/P/C	VOLTAGE/PHASE/CYCLE
W	WIDTH
W/	WITH
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
W/O	WITHOUT
WPD	WATER PRESSURE DROP

PROJECT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND FOR COORDINATION OF WORK WITH THAT OF OTHER CONTRACTORS SO THAT WORK OF ALL TRADES WILL BE PERFORMED IN AN ORDERLY MANNER AND WITH THE LEAST POSSIBLE INTERFERENCE.
2. THE CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS BEFORE BEGINNING WORK.
3. THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS BEFORE BEGINNING CONSTRUCTION. DRAWINGS SHALL COORDINATE WORK OF ALL CONTRACTS TO ELIMINATE POSSIBLE CONFLICTS.
4. SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BEFORE EQUIPMENT IS INSTALLED.
5. INSTALLATION WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER SO AS NOT TO DAMAGE ANY NEW OR EXISTING SURFACES, EQUIPMENT, ETC.
6. PIPING, DUCTWORK, EQUIPMENT, ETC. SHOWN ON THESE DRAWINGS HAVE BEEN SHOWN SCHEMATICALLY FOR CLARITY AND SHOW ONLY RELATIVE POSITIONS.
7. EQUIPMENT INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
8. PIPING, DUCTWORK, CONDUITS, ETC. SHALL NOT BE LOCATED BELOW HVAC EQUIPMENT, OR INTERFERE IN ANY WAY WITH EQUIPMENT ACCESS.
9. PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR ABOVE SUSPENDED CEILINGS.
10. ALL DUCTWORK AND PIPING SHALL BE INSTALLED ABOVE THE CEILING UNLESS OTHERWISE NOTED.
11. DUCTWORK AND PIPING IN AREAS WITHOUT CEILINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE.
12. DOWNFEED PIPING BRANCHES TO CONVECTORS, UNIT HEATERS, AND FIN TUBE RADIATION SHALL HAVE DRAIN COCKS INSTALLED AT THE LOWEST POINT.
13. UPFEED PIPING RISERS SHALL BE MADE WITH TOP CONNECTIONS AT MAINS. DOWNFEED PIPING RISERS SHALL BE MADE WITH BOTTOM CONNECTIONS AT MAIN.
14. ALL HORIZONTAL LINES SHALL BE RUN LEVEL WITHOUT POCKETS. WHERE POCKETS OCCUR, MANUAL AIR VENTS SHALL BE INSTALLED AT TOP OF EACH VERTICAL DROP IN DIRECTION OF FLOW.
15. CHANGE OF PIPE SIZES ON HORIZONTAL RUNS SHALL BE MADE WITH INVERTED ECCENTRIC REDUCERS WITH TOP OF PIPE LEVEL.
16. PIPING & CONDUIT SHALL BE HUNG AS CLOSE AS POSSIBLE TO BOTTOM CHORD OF JOISTS. IF REQUIRED, INSTALL THROUGH OR BETWEEN JOISTS.
17. PROVIDE A BALL VALVE WITH HOSE END ON ALL LOW POINTS OF PIPING SYSTEM.
18. PROVIDE MANUAL AIR VENTS AT THE TOP OF ALL RISERS AND ALL HIGH POINTS IN SYSTEM.
19. THE HEATING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR EXACT LOCATIONS OF MASONRY OPENINGS FOR DUCTWORK, PIPING AND RECESSED EQUIPMENT. COORDINATE WITH THE GENERAL CONTRACTOR FOR THE G.C. TO PROVIDE LINTELS AS REQUIRED.
20. VALVE SIZES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
21. ALL WATER COILS SHALL HAVE SERPENTINE FREEZESTATS INSTALLED ON THE LEAVING FACE OF THE COIL..
22. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE SO THERE WILL BE COUNTER FLOW BETWEEN WATER AND AIR.
23. ALL SHUT OFF VALVES ON SUPPLY PIPING SHALL BE BALL VALVES.
24. ALL SHUT OFF VALVES ON RETURN PIPING AT TERMINAL EQUIPMENT SHALL BE BALANCING VALVES.
25. BRANCH ISOLATION VALVES ON RETURN PIPING SHALL BE BALL VALVES.
26. ALL BALANCING VALVES SHALL CONSIST OF BALL VALVE CONSTRUCTION WITH PRESSURE PORTS, CALIBRATED NAMEPLATE, MEMORY STOP, DRAIN PORT, ETC.
27. THE CONTRACTOR SHALL EXERCISE CARE IN THE DISCONNECTION AND REMOVAL OF HVAC EQUIPMENT AND ACCESSORIES.
28. HVAC EQUIPMENT OVER 2000 CFM SHALL HAVE DUCT SMOKE DETECTORS AS REQUIRED.
29. EACH BRANCH OF SUPPLY, RETURN OR EXHAUST DUCTWORK SHALL HAVE A VOLUME DAMPER AT THE BRANCH NEAR THE MAIN AND A DAMPER AT THE DIFFUSER, GRILLE, REGISTER, ETC. DAMPERS AT DIFFUSERS, GRILLES, AND REGISTERS ONLY ARE NOT SUFFICIENT.
30. DUCT PENETRATIONS THRU FIRE WALLS/FLOORS SHALL HAVE APPROPRIATELY RATED DYNAMIC FIRE DAMPERS.
31. DUCT PENETRATIONS THRU SMOKE WALLS/FLOORS SHALL HAVE APPROPRIATELY RATED SMOKE DAMPERS.
32. PROVIDE RETURN AIR OPENINGS AS REQUIRED. OPENING SHALL BE SIZED FOR REQUIRED CFM AT A VELOCITY NOT TO EXCEED 800 FEET PER MINUTE. COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE LINTELS AS REQUIRED.
33. RETURN AIR OPENINGS SHALL BE ABOVE CEILING UNLESS NOTED OTHERWISE.
34. DUCTWORK SHALL UTILIZE RADIUS ELBOWS WHERE SPACE PERMITS. IF SUFFICIENT SPACE IS NOT AVAILABLE, TURNING VANES SHALL BE USED IN SQUARE ELBOWS.
35. ALL SUPPLY & RETURN DUCTWORK SHALL HAVE TURNING VANES.
36. ALL EXHAUST DUCTWORK SHALL NOT HAVE TURNING VANES.
37. ALL DUCTWORK SHALL BE FABRICATED SHEET METAL, DUCTBOARD IS NOT ACCEPTABLE.
38. FLEXIBLE DUCTWORK SHALL BE LIMITED TO 4 FEET MAXIMUM EXTENDED LENGTH.
39. CEILING DIFFUSER SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES. ALL DIFFUSERS ARE 4 WAY UNLESS OTHERWISE NOTED.
40. LOCATE ALL CEILING DIFFUSERS, REGISTERS, GRILLES, ETC. TO CONFORM WITH CEILING TILE PATTERN, PANELS, LIGHTS, ETC.
41. LOCATE ALL FRESH AIR INTAKES A MINIMUM OF 10 FEET FROM ALL EXHAUST VENTS, PLUMBING VENTS, MECHANICAL EQUIPMENT, ETC. TO PREVENT AIR CONTAMINATION, OR AS OTHERWISE REQUIRED BY CODE.
42. SUPPLY DUCTWORK AND OUTSIDE AIR DUCTWORK SHALL BE INSULATED. THE LAST 5 FEET (BEFORE THE EXTERIOR OF THE BUILDING) OF EXHAUST DUCTWORK SHALL BE INSULATED.
43. BLANK OFF ALL UNUSED PORTIONS OF LOUVERS WITH 1" INSULATED METAL PANEL. SEAL ALL JOINTS AND FITTINGS TO MAKE AN AIR TIGHT FIT.
44. ACCESS PANELS SUPPLIED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR IN PLASTER CEILINGS (SECURITY ACCESS IN SECURITY CEILING) ARE REQUIRED FOR ALL EQUIPMENT, VALVES, TRAPS, DAMPERS, CLEAN-OUTS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
45. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPMENT HOUSEKEEPING PADS INCLUDING PADS FOR PUMPS, AIR HANDLING UNITS, AND EXPANSION TANKS. PROVIDE 3" CONCRETE CURB AROUND ALL DUCTS THROUGH FLOOR.
46. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL FINAL LOCATIONS OF FIRE AND SMOKE WALLS, SECURITY WALLS, RATED CEILINGS OR FLOORS AS INDICATED ON THE GENERAL CONTRACT DRAWINGS.
47. THE HVAC CONTRACTOR SHALL BALANCE ALL EQUIPEMNT TO SCHEDULED CAPACITIES TO INCLUDE SUPPLY AIR, RETURN AIR, MIXING BOXES, ALL GPM AND LEAVING AIR TEMPERATURES.
48. TESTING , ADJUSTING, AND BALANCING SHALL BE BY AN APPROVED AABC OR NEEB CONTRACTOR.
49. THE ATC SYSTEM SHALL BE INSTALLED IN PHASES, IF NECESSARY, IN ACCORDANCE WITH THE OVERALL PROJECT SCHEDULE.
50. THE TESTING, ADJUSTING, AND BALANCING SHALL BE COMPLETED IN PHASES WHEN REQUIRED BY THE OVERALL PROJECT SCHEDULE.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each Contractor is to verify all existing conditions and dimensions.

Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: TJL
Checked By: TJL
Project No. 13202031
File No. N/A

Seal

Approved By: Date:
Approved By: Date:

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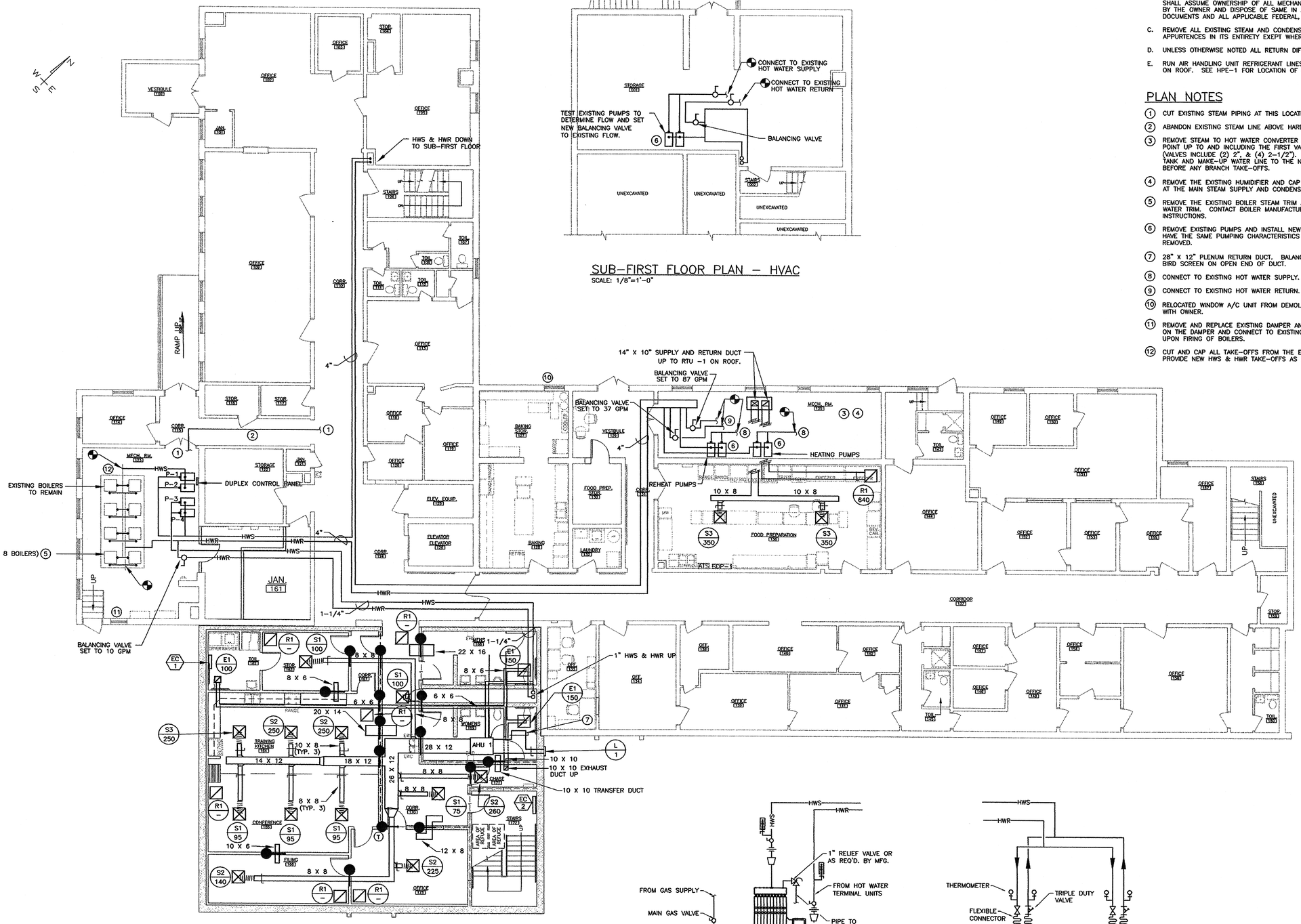
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

LEGEND & ABBREVIATIONS - HVAC

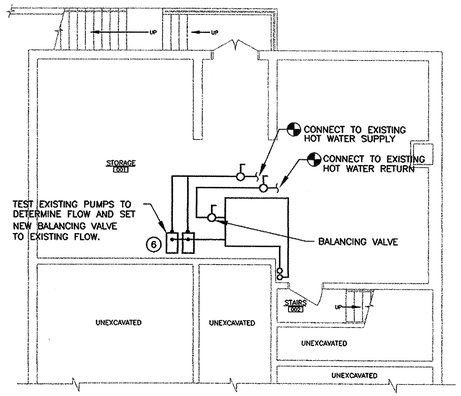
Drawing No.
H-2

N:\Coc02031\Acad\CD\electric\E-1 legend & abbreviations.dwg



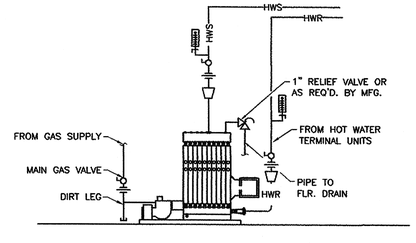
FIRST FLOOR PLAN – HVAC

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



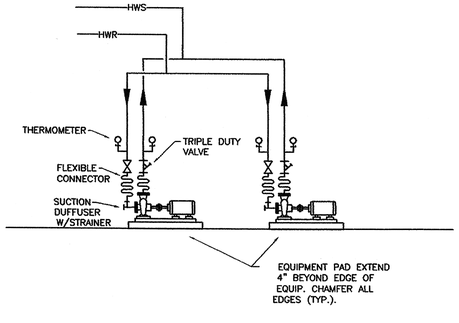
SUB-FIRST FLOOR PLAN – HVAC

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



BOILER SCHEMATIC

NO SCALE



GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. ALL REMOVED MECHANICAL APPURTANENCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL MECHANICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

C. REMOVE ALL EXISTING STEAM AND CONDENSATE LINES AND ALL APPURTENCES IN ITS ENTIRETY EXEPT WHERE OTHERWISE NOTED.

D. UNLESS OTHERWISE NOTED ALL RETURN DIFFUSERS ARE TO BE TYPE R1.

E. RUN AIR HANDLING UNIT REFRIGERANT LINES UP THROUGH CHASE TO ACCU ON ROOF. SEE HPE-1 FOR LOCATION OF ACCU.

PLAN NOTES

1. CUT EXISTING STEAM PIPING AT THIS LOCATION. CAP ENDS OF CUT PIPE.
2. ABANDON EXISTING STEAM LINE ABOVE HARD CEILING.
3. REMOVE STEAM TO HOT WATER CONVERTER AND ALL APPURTENCES TO A POINT UP TO AND INCLUDING THE FIRST VALVES IN EACH BRANCH TAKE-OFF (VALVES INCLUDE (2) 2", & (4) 2-1/2"). RECONNECT THE EXPANSION TANK AND MAKE-UP WATER LINE TO THE NEW HOT WATER SUPPLY PIPING BEFORE ANY BRANCH TAKE-OFFS.
4. REMOVE THE EXISTING HUMIDIFIER AND CAP LINES FOR THE EXISTING AHU'S AT THE MAIN STEAM SUPPLY AND CONDENSATE RETURN.
5. REMOVE THE EXISTING BOILER STEAM TRIM AND REPLACE WITH NEW HOT WATER TRIM. CONTACT BOILER MANUFACTURER FOR CHANGE-OVER INSTRUCTIONS.
6. REMOVE EXISTING PUMPS AND INSTALL NEW PUMPS. NEW PUMPS SHALL HAVE THE SAME PUMPING CHARACTERISTICS AS EXISTING PUMPS BEING REMOVED.
7. 28" X 12" PLENUM RETURN DUCT. BALANCE TO 1825 CFM AND PROVIDE BIRD SCREEN ON OPEN END OF DUCT.
8. CONNECT TO EXISTING HOT WATER SUPPLY.
9. CONNECT TO EXISTING HOT WATER RETURN.
10. RELOCATED WINDOW A/C UNIT FROM DEMOLISHED BUILDING. COORDINATE WITH OWNER.
11. REMOVE AND REPLACE EXISTING DAMPER AND INSTALL A DAMPER ACTUATOR ON THE DAMPER AND CONNECT TO EXISTING BOILER CONTROL TO OPEN UPON FIRING OF BOILERS.
12. CUT AND CAP ALL TAKE-OFFS FROM THE EXISTING HWS AND HWR HEADERS. PROVIDE NEW HWS & HWR TAKE-OFFS AS SHOWN ON THE DRAWINGS.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each Contractor is to verify all existing conditions and dimensions.

Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: TJL
Checked By: VAJ
Project No. 13202031
File No. N/A

Seal

Date:
Approved By:
Date:
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FIRST FLOOR PLAN - HVAC

Drawing No.
H-3

N:\Coc02031\Acad\CD\electric\E-2 basement floor plan – lighting & power.dwg

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

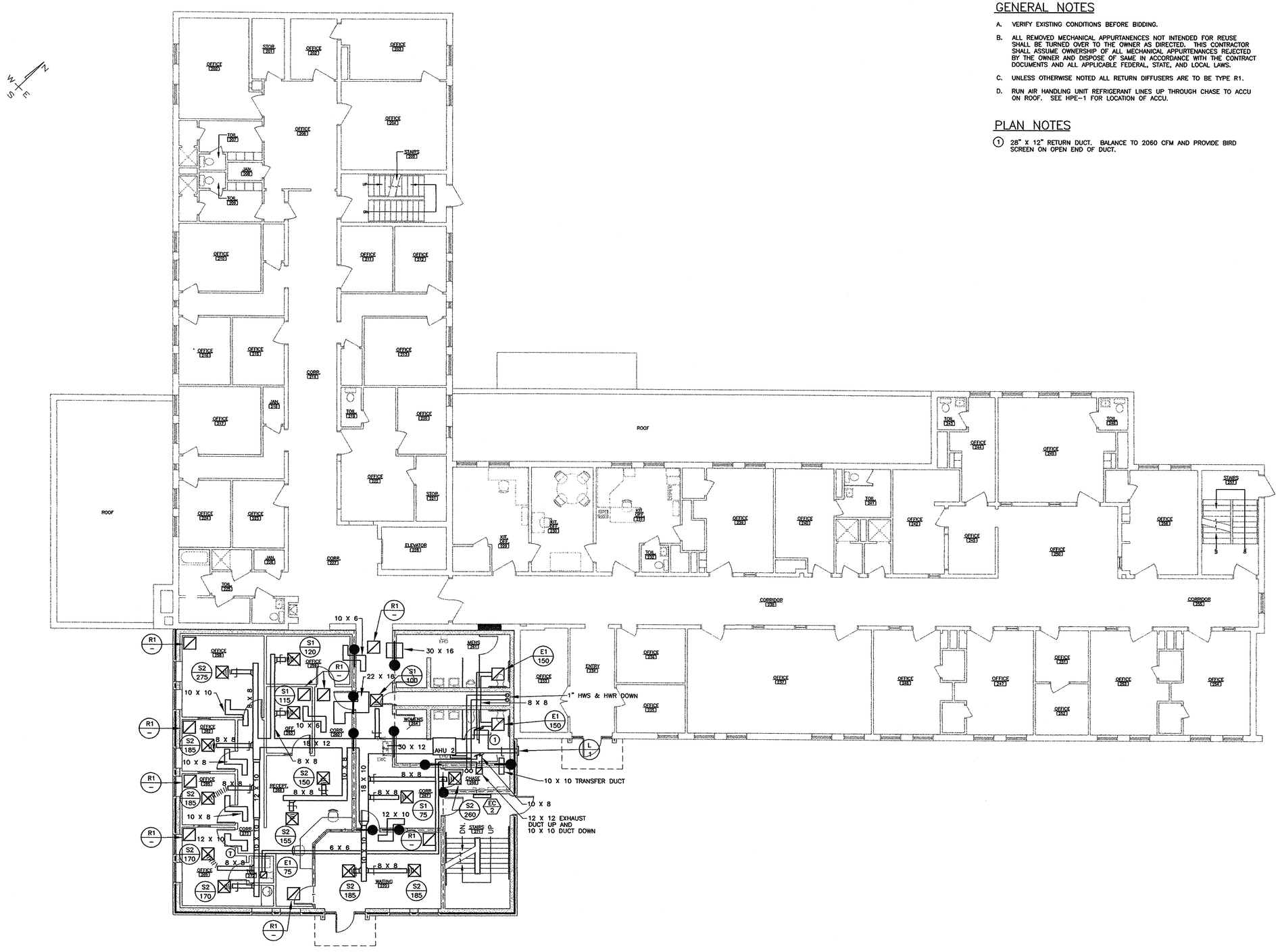
B. ALL REMOVED MECHANICAL APPURTANENCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL MECHANICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

C. UNLESS OTHERWISE NOTED ALL RETURN DIFFUSERS ARE TO BE TYPE R1.

D. RUN AIR HANDLING UNIT REFRIGERANT LINES UP THROUGH CHASE TO ACCU ON ROOF. SEE HPE-1 FOR LOCATION OF ACCU.

PLAN NOTES

1. 28" X 12" RETURN DUCT. BALANCE TO 2060 CFM AND PROVIDE BIRD SCREEN ON OPEN END OF DUCT.



SECOND FLOOR PLAN – HVAC
SCALE: 1/8"=1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: TJL
Checked By: VAJ
Project No. 13202031
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SECOND FLOOR PLAN - HVAC

Drawing No.
H-4

N:\Coc02031\Acad\CD\electric\E-3 first floor plan – lighting & power.dwg

TYPICAL RTU / AHU CONTROL SCHEMATIC

NO SCALE

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

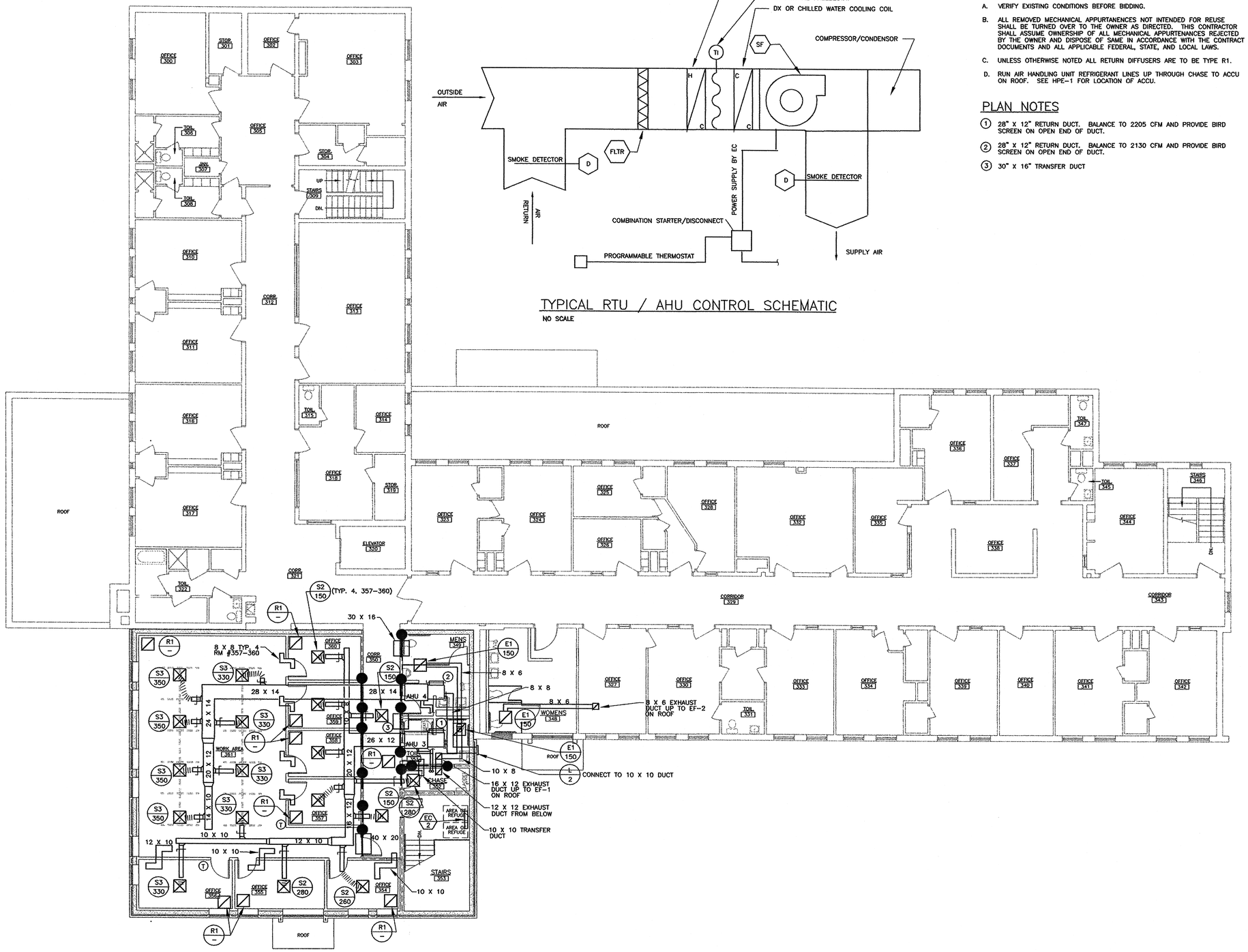
B. ALL REMOVED MECHANICAL APPURTANENCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL MECHANICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

C. UNLESS OTHERWISE NOTED ALL RETURN DIFFUSERS ARE TO BE TYPE R1.

D. RUN AIR HANDLING UNIT REFRIGERANT LINES UP THROUGH CHASE TO ACCU ON ROOF. SEE HPE-1 FOR LOCATION OF ACCU.

PLAN NOTES

1. 28" X 12" RETURN DUCT. BALANCE TO 2205 CFM AND PROVIDE BIRD SCREEN ON OPEN END OF DUCT.
2. 28" X 12" RETURN DUCT. BALANCE TO 2130 CFM AND PROVIDE BIRD SCREEN ON OPEN END OF DUCT.
3. 30" X 16" TRANSFER DUCT



THIRD FLOOR PLAN – PLUMBING

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

N:\Coc02031\Acad\CD\electric\E-4 second floor plan - lighting & power.dwg

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each Contractor is to verify all existing conditions and dimensions.

Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: TJL
Checked By: VAJ
Project No. 1320203
File No. N/A

Seal

REGISTERED PROFESSIONAL ENGINEER VINCENT A. JOHNSON COMMONWEALTH OF PENNSYLVANIA

Seal

Approved By: **Date:**

Approved By: **Date:**

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THIRD FLOOR PLAN - HVAC

Drawing No.
H-5

AIR HANDLING UNIT SCHEDULE

TAG NUMBER	UNIT CFM	REQD. CFM	MIN OA CFM	MIN %OA	COOLING EDB °F	COOLING EWB °F	COOLING TC MBH	COOLING SC MBH	COOLING LDB °F	COOLING LWB °F	HEATING TOT MBH	HEATING EAT °F	HEATING LAT °F	HEATING GPM	HEATING DP FT.	HEATING EWT °F	HEATING ΔT °F	FAN EXT SP	FAN RPM	FAN HP	ELECTRICAL P-C-V	REMARKS	WEIGHT (LBS.)	DESIGNED AROUND
AHU 1	1885	1885	210	11	76.5	30	48.0	42.0	55	54	13.5	63.0	110	2.0	1.30	180	30	0.5	1725	1/2	1-60-120	1ST FLOOR	235	CARRIER FG3
AHU 2	2330	2330	270	12	76.8	30	58.0	50.6	55	54	42.5	62.0	110	3	1.10	180	30	0.5	1725	1/2	1-60-120	2ND FLOOR	235	CARRIER FG3
AHU 3	2380	2380	145	7	76.0	30	60.0	54.6	55	54	28.0	65.0	110	2.0	1.30	180	30	0.5	1725	1/2	1-60-120	3RD FLOOR	235	CARRIER FG3
AHU 4	2390	2390	260	11	76.7	30	58.0	50.3	55	54	12.5	62.3	110	2.0	1.30	180	30	0.5	1725	1/2	1-60-120	3RD FLOOR	235	CARRIER FG3

ROOFTOP PACKAGE A/C UNIT SCHEDULE

TAG NUMBER	UNIT CFM	MIN OA CFM	MIN %OA	EXT SP	COOLING EDB °F	COOLING EWB °F	COOLING TC MBH	COOLING SC MBH	COOLING LDB °F	COOLING LWB °F	COOLING SEER	HEATING TOT MBH	HEATING EAT °F	HEATING LAT °F	ELECTRICAL CHAR. P-C-V	ELECTRICAL CHAR. MCA	ELECTRICAL CHAR. MFA	SERVES	WEIGHT (LBS.)	DESIGNED AROUND
RTU 1	700	60	8	0.5"	78.0	65.0	23.6	15.6	55	54	10.0	23.6	50	88.5	1-60-208	17.4	25	KITCHEN AREA	310	CARRIER 50HS

EXHAUST FAN SCHEDULE

TAG NUMBER	ROOF OPNG. SQ.	SYSTEM CFM	FAN RPM	SONE	STATIC PRESS.	DRIVE	HP	ELECT. CHAR.	CONTROL TYPE	TYPE	REMARKS	WEIGHT (LBS.)	DESIGNED AROUND
EF 1	14.5 x 14.5	1075	1550	9.1	0.50	BELT	1/4	115/60/1	CONTINUOUS OPERATION	RM	RESTROOM EXHAUST	50	GREENHECK GB-101-4
EF 2	12.5 X 12.5	150	1014	4	0.25	BELT	1/6	115/60/1	CONTINUOUS OPERATION	RM	RESTROOM EXHAUST	30	GREENHECK GB-070-6

NOTE: RM-ROOF MOUNTED

ELECTRIC WALL HEATER SCHEDULE

TAG NUMBER	TYPE	WATTS	CONTROL TYPE	ELECTRICAL CHAR. VOLTS - ø - HZ.	DESIGNED AROUND	REMARKS
EC 1	WALL MOUNTED	1500	T'STAT	208-1-60	MARKEL SERIES 3310	SEMI-RECESSED
EC 2	WALL MOUNTED	2000	T'STAT	208-1-60	MARKEL SERIES 3310	SEMI-RECESSED

NOTE: 1. ALL UNITS ARE EQUIPPED WITH AN INTERGRAL THERMOSTAT.

HVAC PUMP SCHEDULE

TAG	PUMP DUTY	OPERATING CONDITIONS GPM	OPERATING CONDITIONS FT. HD.	OPERATING CONDITIONS EFF	MOTOR H.P.	RPM	IMPELLER SIZE IN.	ELECT. CHAR.	REMARKS	DESIGNED AROUND
P 1	DUTY	255	30	69	3	1750	6.875	208/3/60	PRIMARY LOOP	B&G SERIES 1510, 3" SUCTION, 2-1/2" DISCHARGE
P 2	STAND-BY	255	30	69	3	1750	6.875	208/3/60	PRIMARY LOOP	B&G SERIES 1510, 3" SUCTION, 2-1/2" DISCHARGE
P 3	DUTY	10	15	29	1/4	1750	4	120/1/60	NEW WING LOOP	B&G SERIES 60, 1" SUCTION, 1" DISCHARGE
P 4	STAND-BY	10	15	29	1/4	1750	4	120/1/60	NEW WING LOOP	B&G SERIES 60, 1" SUCTION, 1" DISCHARGE

NOTE: PUMP CONTROL WILL BE PROVIDED VIA ATC.

SUPPLY DIFFUSER SCHEDULE

TAG	TYPE	MAX. CFM	DIRECT	NC	NECK SIZE	FACE SIZE	THROW	MIN. FLEX DUCT SIZE	DESIGNED AROUND
S1	SDC	125	4	20	6X6	24X24	4-7	8"	ANEMOSTAT XDF OR XDP, PATTERN 41
S2	SDC	280	4	20	9X9	24X24	6-11	10"	ANEMOSTAT XDF OR XDP, PATTERN 41
S3	SDC	500	4	23	12X12	24X24	8-14	14"	ANEMOSTAT XDF OR XDP, PATTERN 41

EXHAUST GRILLE SCHEDULE

TAG	TYPE	MAX. CFM	NC	Δ SP	NECK SIZE	FACE SIZE	MIN. FLEX DUCT SIZE	DESIGNED AROUND
E1	ERC	170	20	.06"	8X8	10X10	N/A	ANEMOSTAT X35HOD

RETURN REGISTER SCHEDULE

TAG	TYPE	MAX. CFM	NC	Δ SP	NECK SIZE	FACE SIZE	MIN. FLEX DUCT SIZE	DESIGNED AROUND
R1	RRC	2000	20	-	-	24X24	-	ANEMOSTAT GC5L

PRESSURIZATION FAN SCHEDULE

TAG NUMBER	ROOF OPNG. SQ.	SYSTEM CFM	FAN RPM	DRIVE	HP	ELECT. CHAR.	CONTROL TYPE	LOCATION	DESIGNED AROUND
PF 1	22-1/2 X 22-1/2	1000	860	DIRECT	1/8	115-1-60	/	STAIR SHAFT	GREENHECK AIS-18-C

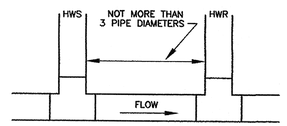
LOUVER SCHEDULE

TAG	SIZE W" x H"	CFM	LOCATION	VELOCITY	DP	FREE AREA	REMARKS	DESIGNED AROUND
L 1	18X12	250	WALL	550	0.05	0.52	A.O INTAKE	GREENHECK ESD-403, CUSTOM COLOR TO MATCH WINDOW FRAMES.
L 2	18X18	400	WALL	550	0.05	0.86	A.O. INTAKE	GREENHECK ESD-403, CUSTOM COLOR TO MATCH WINDOW FRAMES.

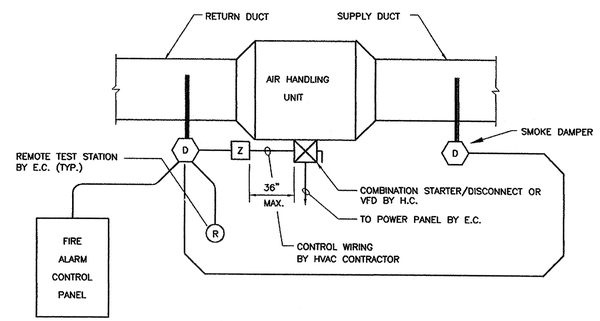
LOUVERS TO BE PROVIDED BY THE HVAC CONTRACTOR & INSTALLED BY THE GENERAL CONTRACTOR.

AIR COOLED CONDENSING UNIT SCHEDULE

TAG	ELECT. CHAR.	MCA	MFA	COMPRESSOR RLA	FAN AMP FLA	SERVING AHU #	SIZE (TONS)	DESIGNED AROUND
ACU 1	208/1/60	31.9	50	24.4	1.4	AHU-1	4	CARRIER 38BRC
ACU 2	208/1/60	37.5	60	28.9	1.4	AHU-2	5	CARRIER 38BRC
ACU 3	208/3/60	39.8	50	21.8	2.8	AHU-3	6	CARRIER 38AK
ACU 4	208/1/60	37.5	60	28.9	1.4	AHU-4	5	CARRIER 38BRC

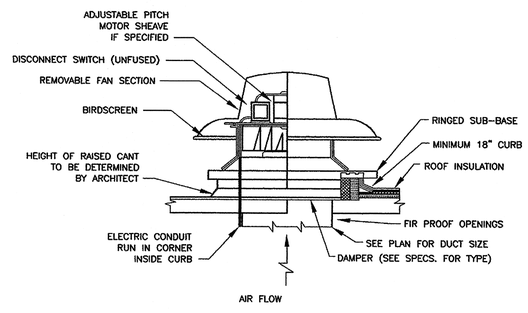


SECONDARY PIPING LOOP DETAIL
NO SCALE

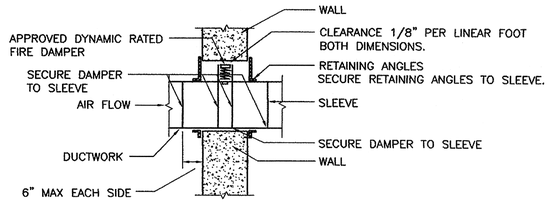


DUCT DETECTOR NOTES
1. UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND CIRCUITING SHOWN SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. INFORMATION SHOWN ABOVE SHALL BE INCORPORATED INTO THE FIRE ALARM RISER DIAGRAM AS REQUIRED.
3. DUCT SMOKE AND HEAT DETECTORS SHALL BE INSTALLED BY THE H.C.

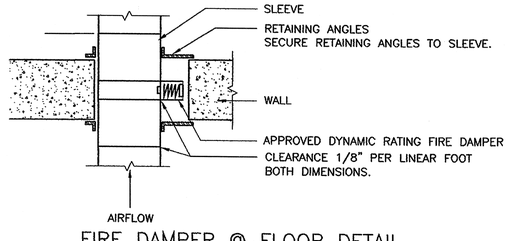
TYPICAL DUCT DETECTOR MONITORING CIRCUIT DIAGRAM
NO SCALE



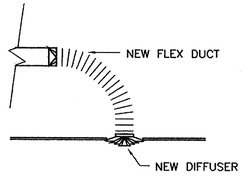
ROOF MOUNTED EXHAUST FAN DETAIL
NO SCALE



FIRE DAMPER @ WALL DETAIL
NO SCALE



FIRE DAMPER @ FLOOR DETAIL
NO SCALE



END CONNECTION OF DUCT
NO SCALE
NOTE: 4'-0" MAXIMUM LENGTH

N:\Coc02031\Acad\CD\electric\E-4 second floor plan - lighting & power.dwg

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Date: SEPTEMBER 5, 2002
Drawn By: TJL
Checked By: VAJ
Project No. 13202031
File No. N/A

Seal

Date:
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Date:
Approved By:

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CLARION COUNTY COMMISSIONERS
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AT
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CLARION, PENNSYLVANIA

DETAILS AND SCHEDULES - HVAC

Drawing No.
H-6

KEY TO SYMBOLS

NOTE: NOT ALL SYMBOLS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.

LINE LEGEND

- HOT WATER (SUPPLY)
- HOT WATER (RETURN)
- COLD WATER (SUPPLY)
- SANITARY PIPING
- CONDENSATE DRAIN
- VENT PIPING
- G — NATURAL GAS
- RWC — RAINWATER CONDUCTOR
- F — INCOMING FIRE SERVICE
- FP — SPRINKLER LINES
- ST — STORM DRAIN
- A — ACID WASTE PIPING

PIPING AND VALVE SYMBOLS

- GATE VALVE
- GLOBE VALVE
- BALL VALVE
- BALANCING VALVE
- CHECK VALVE
- S — SOLENOID VALVE
- T — AUTOMATIC CONTROL VALVE – 3 WAY
- T — AUTOMATIC CONTROL VALVE – 2 WAY
- FUSIBLE LINK VALVE (UL LISTED)
- RELIEF/SAFETY VALVE
- NEEDLE VALVE
- VB — VACUUM BREAKER
- STRAINER
- GAS COCK
- PRS — PRESSURE REDUCING STATION
- PRV — PRESSURE REDUCING VALVE
- STEAM TRAP
- THERMOSTATIC AIR VENT
- PIPE RISING UP
- PIPE DROPPING DOWN
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- UNION
- ANCHOR (EXPANSION)
- GUIDE (EXPANSION)
- FS — FLOW SWITCH
- FLOW METER
- ELECTRICALLY TRACED PIPE
- CAP OR PLUG
- THERMOMETER
- GAUGE W/GAUGE COCK AND SNUBBER (WATER)
- MV — MANUAL AIR VENT
- AAV — AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)
- CO — CLEANOUT
- SHOCK ABSORBER
- MASTER MIXING VALVE
- AUTOMATIC BALANCING VALVE
- X.X — AUTOMATIC BALANCING VALVE ASSEMBLY X.X DENOTES FLOW GPM (SEE DETAIL)

GENERAL SYMBOLS

- OUTSIDE WALL HYDRANT (NON–FREEZE)
- HOSE BIB
- HOSE BIB WITH CAP
- FIRE DEPT. CONNECTION
- CONNECTION OF NEW TO (E)
- X/X — FIXTURE TAG
- 1 — INDICATES PLAN NOTE NUMBER
- * — INDICATES NEW DEVICE INSTALLED IN EXISTING OUTLET BOX
- A/A — INDICATES CROSS SECTION SEE DETAIL 'A–A'
- PENDENT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- SHOWER HEAD
- TRENCH DRAIN

NOTE
DASHED SYMBOLS REPRESENT EXISTING EQUIPMENT.

GENERAL NOTES

NOTE: THE FOLLOWING NOTES APPLY TO DRAWINGS, DIAGRAMS, SCHEMATICS, ETC..

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND FOR COORDINATION OF WORK OF OTHER CONTRACTORS SO THAT WORK OF ALL TRADES WILL BE PERFORMED IN AN ORDERLY MANNER AND WITH THE LEAST POSSIBLE INTERFERENCE.
2. ALL INSTALLATION WORK SHALL BE PERFORMED IN A NEAT, WORKMAN LIKE MANNER SO AS NOT TO DAMAGE ANY NEW OR EXISTING SURFACES, EQUIPMENT, ETC.
3. ALL PIPING, EQUIPMENT, ETC. ON THESE DRAWINGS HAS BEEN SHOWN SCHEMATICALLY FOR CLARITY AND SHOW RELATIVE POSITIONS ONLY.
4. THE CONTRACTOR SHALL EXERCISE CARE IN THE DISCONNECTION AND REMOVAL OF EQUIPMENT AND ACCESSORIES.
5. EQUIPMENT FOUNDATIONS, SUPPORT AND INSTALLATION SHALL BE AS PER WRITTEN MANUFACTURES SPECIFICAITONS.
6. ALL SHOP DRAWINGS SHALL BE SUBMITTED BEFORE EQUIPMENT IS INSTALLED. PREPARE AND SUBMIT COORDINATION DRAWINGS BEFORE EQUIPMENT IS INSTALLED.
7. ALL PIPE OR SIMILAR THROUGH–PENETRATIONS OF ALL FIRE RATED WALLS, FLOORS, OR SIMILAR ASSEMBLIES, SHALL BE PATCHED WITH A FIRE STOPPING SYSTEM TO ACHIEVE A TIGHT SEAL THAT WILL MAINTAIN THE FIRE RESISTANCE RATING OF THE ASSEMBLY CONTAINING THE PENETRATION.
8. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING SYSTEMS AND THEIR COMPONENTS, CONTROLS, MOUNTING PADS, SUPPORTS, FITTINGS, CARRIERS, AND OTHER PLUMBING EQUIPMENT RENDERED OBSOLETE BY THE NEW WORK SHALL BE DISCONNECTED AND REMOVED BY THE P.C.
9. COORDINATE ALL SYSTEM 'SHUTDOWN' WITH THE OWNER.
10. THESE DRAWINGS ARE BASED ON AVAILABLE DOCUMENTS. CONTRACTOR SHALL VERIFY ALL EQUIPMENT, PIPING AND ACCESSORIES LOCATION AND MAKE NECESSARY ADJUSTMENTS AS REQUIRED TO SUIT FIELD CONDITIONS.
11. PROVIDE A MINIMUM OF 10' CLEARANCE FROM VENT PIPING TO ALL FRESH AIR INTAKES. COORDINATE WITH OTHERS.
12. THE CONTRACTOR SHALL REVIEW ALL DRAWING AND SPECIFICATIONS BEFORE BEGINNING WORK.
13. COORDINATE WATER SERVICE REPLACEMENT WITH OWNER, ALL OTHER CONTRACTORS, LOCAL WATER AUTHORITY AND OTHERS BEFORE BEGINNING ANY WORK. NO WORK SHALL BEGIN UNTIL WRITTEN APPROVAL IS PROVIDED BY THE OWNER AND LOCAL AUTHORITIES HAVING JURISDICTION.
14. PAINT ALL EXPOSED PIPING AND EXPOSED EQUIPMENT. COLOR BY ARCHITECT.

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.

AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AP	ACCESS PANEL
APPROX	APPROXIMATE
AHU	AIR HANDLING UNIT
B.F.F.	BELOW FINISHED FLOOR
B.F.G.	BELOW FINISHED GRADE
BLDG	BUILDING
BSMT	BASEMENT
BTU	BRITISH THERMAL UNITS
BV	BUTTERFLY VALVE
CA	COMPRESSED AIR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
℄	CENTERLINE
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
COND	CONDENSATE
CW	COLD WATER
DEMO.	DEMOLITION
DEPT	DEPARTMENT
DFU	DRAINAGE FIXTURE UNIT
DIA	DIAMETER
DIAG	DIAGRAM
DISCH	DISCHARGE
DIW	DOWN IN WALL
DN	DOWN
DWG	DRAWING
De.W.	DEIONIZED WATER
EA.	EACH
E.C.	ELECTRICAL CONTRACTOR
EL	ELEVATION
EMER.	EMERGENCY
EQUIP	EQUIPMENT
ERD	EMERGENCY ROOF DRAIN
EXIST	EXISTING
(E)	EXISTING
° F	DEGREES FAHREHEIT
FCV	FLOW CONTROL VALVE
FD–X	FLOOR DRAIN – TYPE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FLEX	FLEXIBLE
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
GAL	GALLON
GALV	GALVANIZED
G.C.	GENERAL CONTRACTOR
GND.	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIB
H.C.	HEATING CONTRACTOR
HD	HEAD
HP	HORSEPOWER
HR	HOUR
HT.	HEIGHT
HW	HOT WATER
HWR	HOT WATER RETURN
HZ	HERTZ
ID	INTERNAL DIAMETER
IN	INCHES
INV	INVERT
KW	KILOWATT
L	LENGTH
Lb	POUND
LBS/HR	POUNDS PER HOUR
MBH	THOUSANDS OF BTU PER HOUR
M.C.	MECHANICAL CONTRACTOR
MCA	MEDICAL COMPRESSED AIR
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINUMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
NRS	NON RISING SYSTEM
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OCC	OCCUPIED
OFE	OWNER FURNISHED EQUIPMENT
OZ	OUNCE
O_2	OXYGEN
ORD	OVERFLOW ROOF DRAIN
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PERF	PERFORATED
PRES	PRESSURE
PSI	POUNDS PER SQUARE INCH
PS	PRESSURE SWITCH
PVC	POLYVINYL CHLORIDE
QUAN	QUANTITY
RD	ROOF DRAIN
REQ'D	REQUIRED
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RWC	RAINWATER CONDUCTOR
SAN	SANITARY
SP	STATIC PRESSURE
SP.C.	SPRINKLER CONTRACTOR
SQ	SQUARE
SS	STAINLESS STEEL
ST	STORM
STD	STANDARD
STL	STEEL
TC	TERRA COTTA
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TP	TOTAL PRESSURE
TYP	TYPICAL
UV	ULTRAVIOLET
V	VOLTS
VAC	VACUUM
VCP	VITRIFIED CLAY PIPE
VEL	VELOCITY
VOLT	VOLTAGE
VTR	VENT THRU ROOF
W/	WITH
W/O	WITHOUT
WC	WATER COLUMN
WG	WATER GAUGE
WH	WATER HEATER

N:\Coc02031\Acad\CD\electric\E-1 legend & abbreviations.dwg

Revised Date:

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Date: SEPTEMBER 5, 2002
Drawn By: EJB
Checked By: VAJ
Project No. 1320231
File No. N/A

Seal

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Approved By:
Date:
Approved By:

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AT
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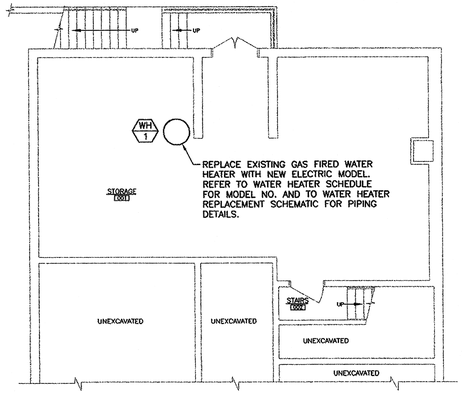
LEGEND & ABBREVIATIONS

Drawing No.
P-2



SUB-FIRST FLOOR PLAN – PLUMBING
SCALE: 1/8"=1'-0"

GENERAL NOTES

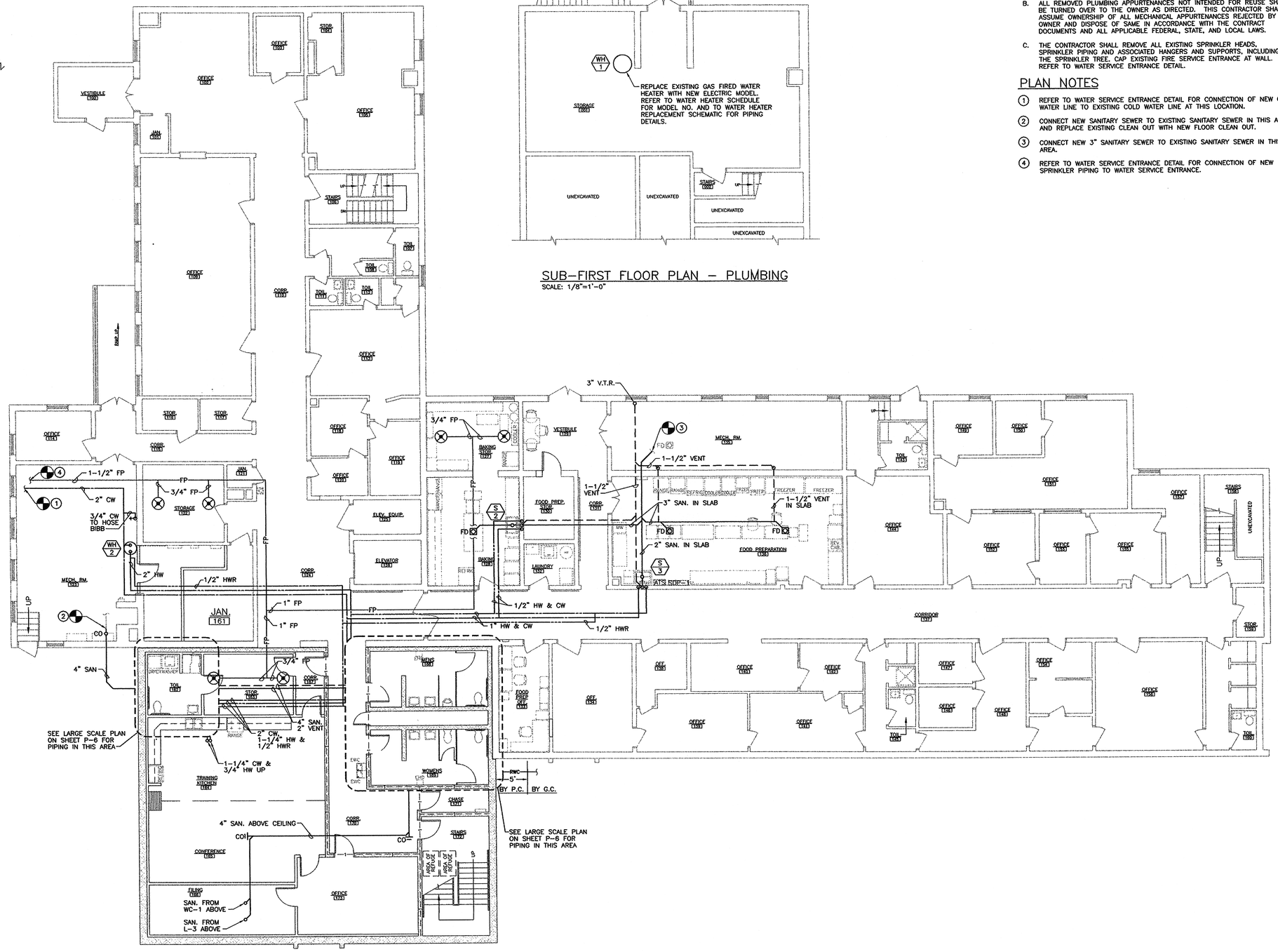
A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. ALL REMOVED PLUMBING APPURTENANCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL MECHANICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

C. THE CONTRACTOR SHALL REMOVE ALL EXISTING SPRINKLER HEADS, SPRINKLER PIPING AND ASSOCIATED HANGERS AND SUPPORTS, INCLUDING THE SPRINKLER TREE. CAP EXISTING FIRE SERVICE ENTRANCE AT WALL. REFER TO WATER SERVICE ENTRANCE DETAIL.

PLAN NOTES

1. REFER TO WATER SERVICE ENTRANCE DETAIL FOR CONNECTION OF NEW COLD WATER LINE TO EXISTING COLD WATER LINE AT THIS LOCATION.
2. CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER IN THIS AREA AND REPLACE EXISTING CLEAN OUT WITH NEW FLOOR CLEAN OUT.
3. CONNECT NEW 3" SANITARY SEWER TO EXISTING SANITARY SEWER IN THIS AREA.
4. REFER TO WATER SERVICE ENTRANCE DETAIL FOR CONNECTION OF NEW SPRINKLER PIPING TO WATER SERVICE ENTRANCE.



FIRST FLOOR PLAN – PLUMBING
SCALE: 1/8"=1'-0"

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Drawn By: EJB
Checked By: VAJ
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File No. N/A

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FIRST FLOOR PLAN - PLUMBING

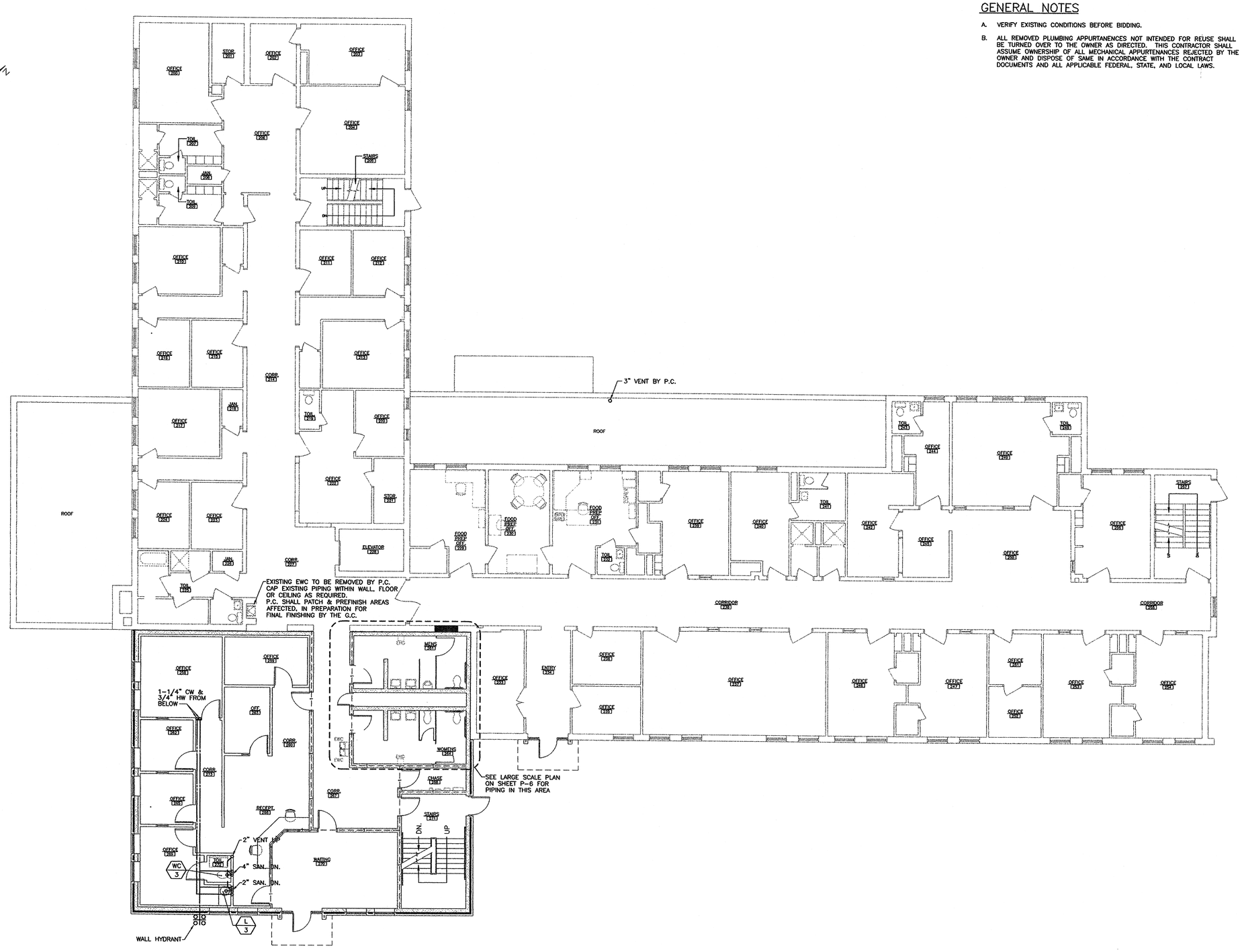
Drawing No.
P-3

N:\Coc02031\Acad\CD\electric\E-2 basement floor plan – lighting & power.dwg

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. ALL REMOVED PLUMBING APPURTANENCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL MECHANICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.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CORR. [214]
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JAN. [218]
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ROOF
OFFICE [223]
OFFICE [224]
ELEVATOR [226]
JAN. [228]
CORR. [227]
TOIL. [225]
3" VENT BY P.C.
ROOF
FOOD PREP. OFF. [229]
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STAIRS [243]
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CORRIDOR [245]
CORRIDOR [246]
EXISTING EWC TO BE REMOVED BY P.C. CAP EXISTING PIPING WITHIN WALL, FLOOR OR CEILING AS REQUIRED. P.C. SHALL PATCH & PREFINISH AREAS AFFECTED, IN PREPARATION FOR FINAL FINISHING BY THE G.C.
OFFICE [247]
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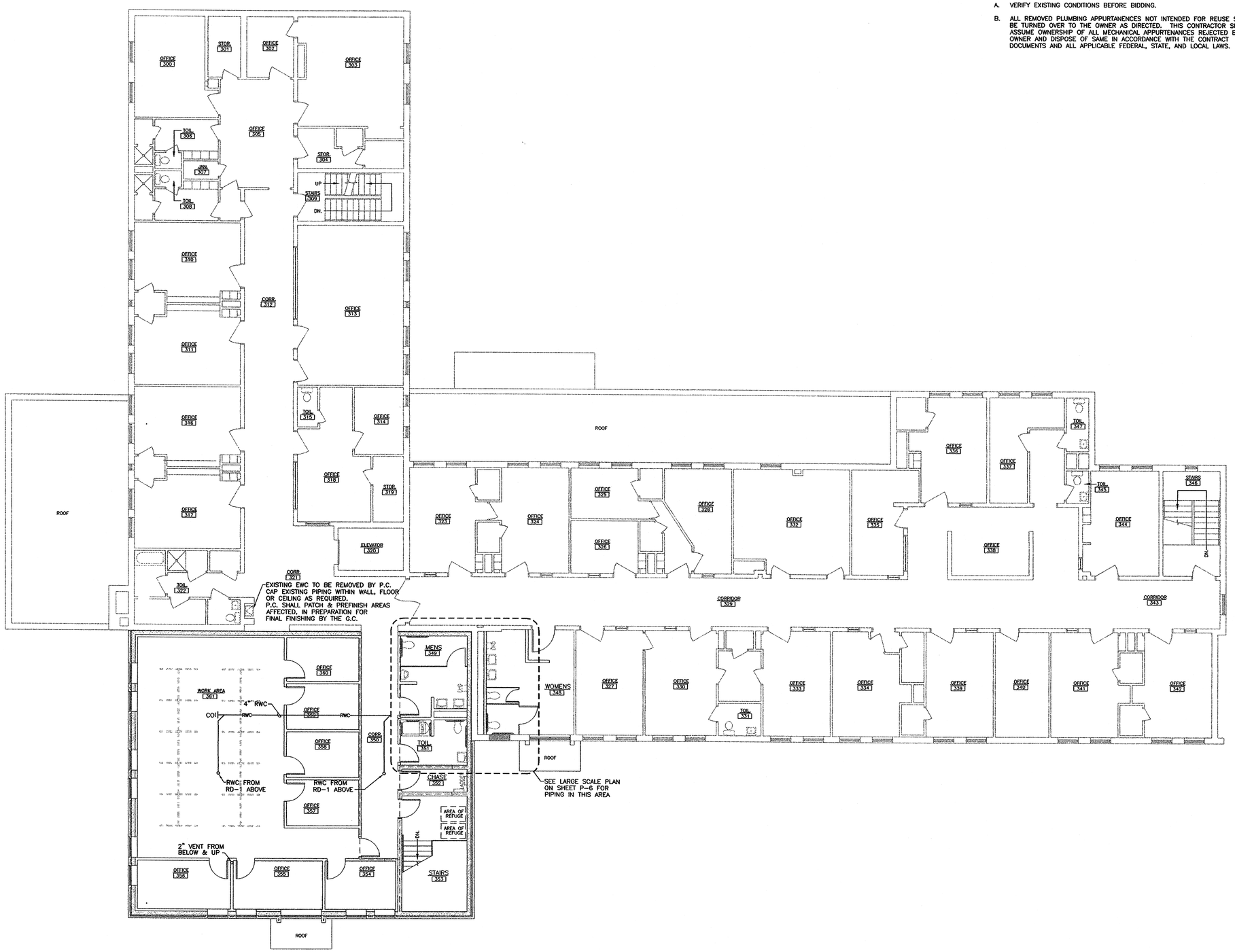
OFFICE

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. ALL REMOVED PLUMBING APPURTANENCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL MECHANICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.



THIRD FLOOR PLAN – PLUMBING

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

Revised Date:

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Date: SEPTEMBER 5, 2002
Drawn By: EJB
Checked By: VAJ
Project No. 13202031
File No. N/A

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Date:
Approved By:

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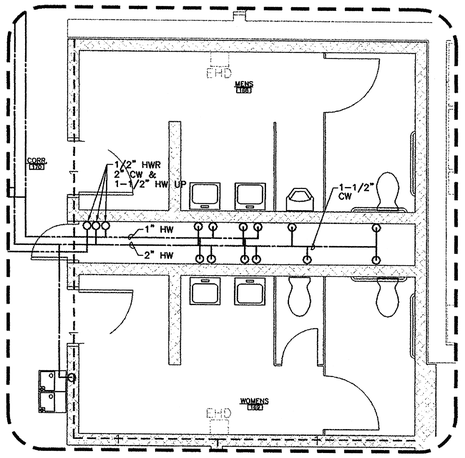
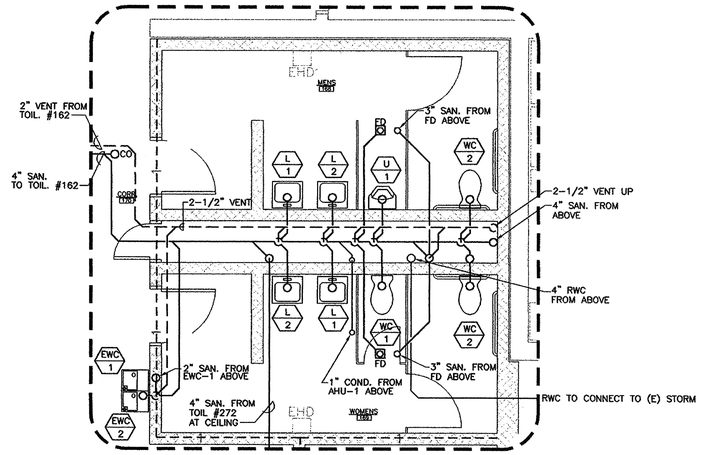
THIRD FLOOR PLAN - PLUMBING

Drawing No.
P-5

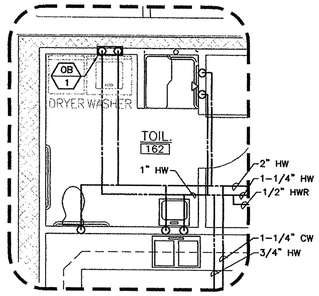
N:\Coc02031\Acad\CD\electric\E-4 second floor plan – lighting & power.dwg



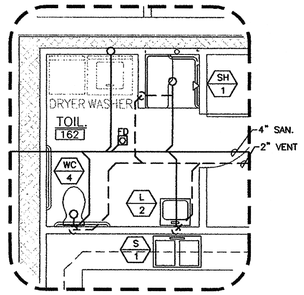
LARGE SCALE PLAN – FIRST FLOOR
DOMESTIC WATER
SCALE: 1/4"=1'-0"



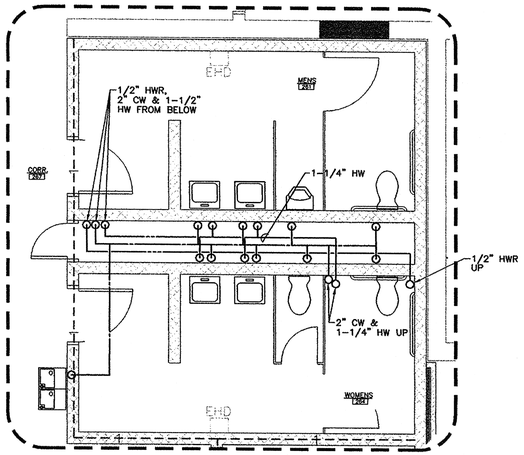
LARGE SCALE PLAN – FIRST FLOOR
SANITARY WASTE & VENT
SCALE: 1/4"=1'-0"



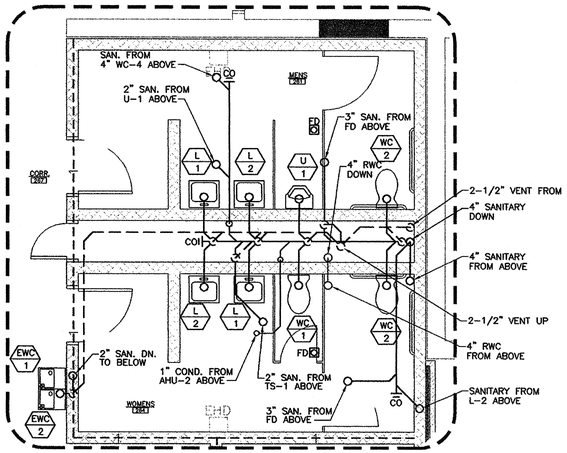
LARGE SCALE PLAN – TOILET 162
DOMESTIC WATER
SCALE: 1/4"=1'-0"



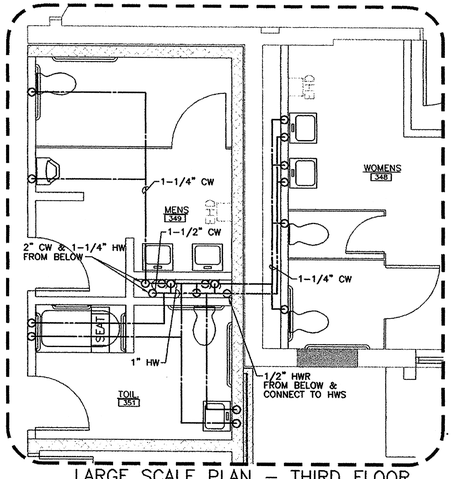
LARGE SCALE PLAN – TOILET 162
SANITARY WASTE & VENT
SCALE: 1/4"=1'-0"



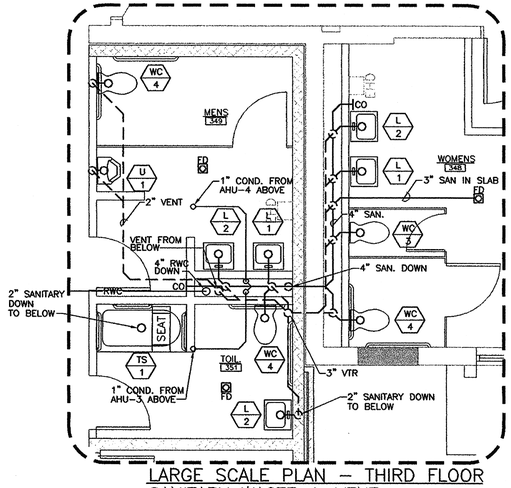
LARGE SCALE PLAN – SECOND FLOOR
DOMESTIC WATER
SCALE: 1/4"=1'-0"



LARGE SCALE PLAN – SECOND FLOOR
SANITARY WASTE & VENT
SCALE: 1/4"=1'-0"



LARGE SCALE PLAN – THIRD FLOOR
DOMESTIC WATER
SCALE: 1/4"=1'-0"



LARGE SCALE PLAN – THIRD FLOOR
SANITARY WASTE & VENT
SCALE: 1/4"=1'-0"

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE TYPE	PLUMBING SERVICES				NOTES
		HOT	COLD	WASTE	VENT	
WC 1	WATER CLOSET, VITREOUS CHINA, WALL-HUNG	–	1"	3"	2"	
WC 2	WATER CLOSET, VITREOUS CHINA, WALL HUNG, ACCESSIBLE	–	1"	3"	2"	1
WC 3	WATER CLOSET, VITREOUS CHINA, FLOOR MOUNTED	–	1"	3"	2"	
WC 4	WATER CLOSET, VITREOUS CHINA, FLOOR MOUNTED, ACCESSIBLE	–	1"	3"	2"	1
S 1	STAINLESS STEEL DOUBLE BOWL SINK W/GOOSNECK FAUCET, REMOVABLE CRUMB CUP DRAIN, AND HAND SPRAY NOZZLE.	1/2"	1/2"	2"	1 1/2"	
S 2	RELOCATED SINK (ITEM # 22 ON (E) FOOD PREP. EQUIP. SCHEDULE)	1/2"	1/2"	2"	1 1/4"	2
S 3	RELOCATED SINK (ITEM # 50 ON (E) FOOD PREP. EQUIP. SCHEDULE)	1/2"	1/2"	2"	1 1/4"	2
L 1	LAVATORY – WALL HUNG	1/2"	1/2"	2"	1 1/4"	
L 2	ACCESSIBLE LAVATORY – WALL HUNG	1/2"	1/2"	2"	1 1/4"	
L 3	COUNTER TOP LAVATORY	1/2"	1/2"	2"	1 1/4"	
U 1	ACCESSIBLE URINAL – VITREOUS CHINA – WALL HUNG.	–	3/4"	2"	1 1/2"	
EWC 1	ELECTRIC WATER COOLER – WALL HUNG	–	1/2"	2"	1 1/4"	
EWC 2	ACCESSIBLE ELECTRIC WATER COOLER – WALL HUNG	–	1/2"	2"	1 1/4"	
SH 1	ACCESSIBLE FIBERGLASS SHOWER STALL WITH MOVEABLE SHOWER HEAD, PRESSURE BALANCED VALVE, & ACCESSORIES	1/2"	1/2"	2"	1 1/4"	
TS 1	ACCESSIBLE ONE PIECE ACRYLIC TUB SHOWER WITH MOVEABLE SHOWER HEAD, PRESSURE BALANCED VALVE, & ACCESSORIES	1/2"	1/2"	2"	1-1/4"	
OB 1	WASHING MACHINE OUTLET BOX	1/2"	1/2"	2"	1-1/4"	

NOTES:
1. MOUNT FLUSH VALVE HANDLE ON WHEEL CHAIR SIDE OF FIXTURE.
2. SINK RELOCATED BY OTHERS. P.C. SHALL CONNECT AS INDICATED.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: EJB
Checked By: VAJ
Project No. C-02031
File No. N/A

Seal

VINCENT A. JOHNSON
REGISTERED PROFESSIONAL ENGINEER
No. 38884-E
COMMONWEALTH OF PENNSYLVANIA

Date:
Approved By:

Date:
Approved By:

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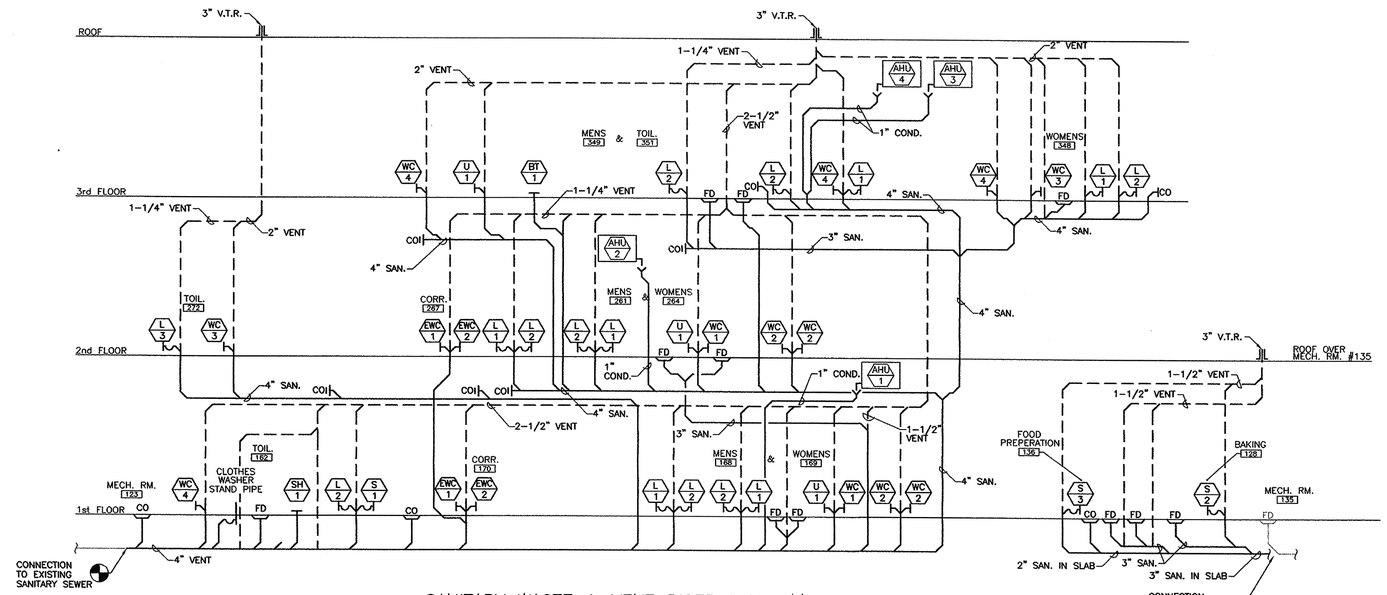
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

LARGE SCALE PLANS - PLUMBING

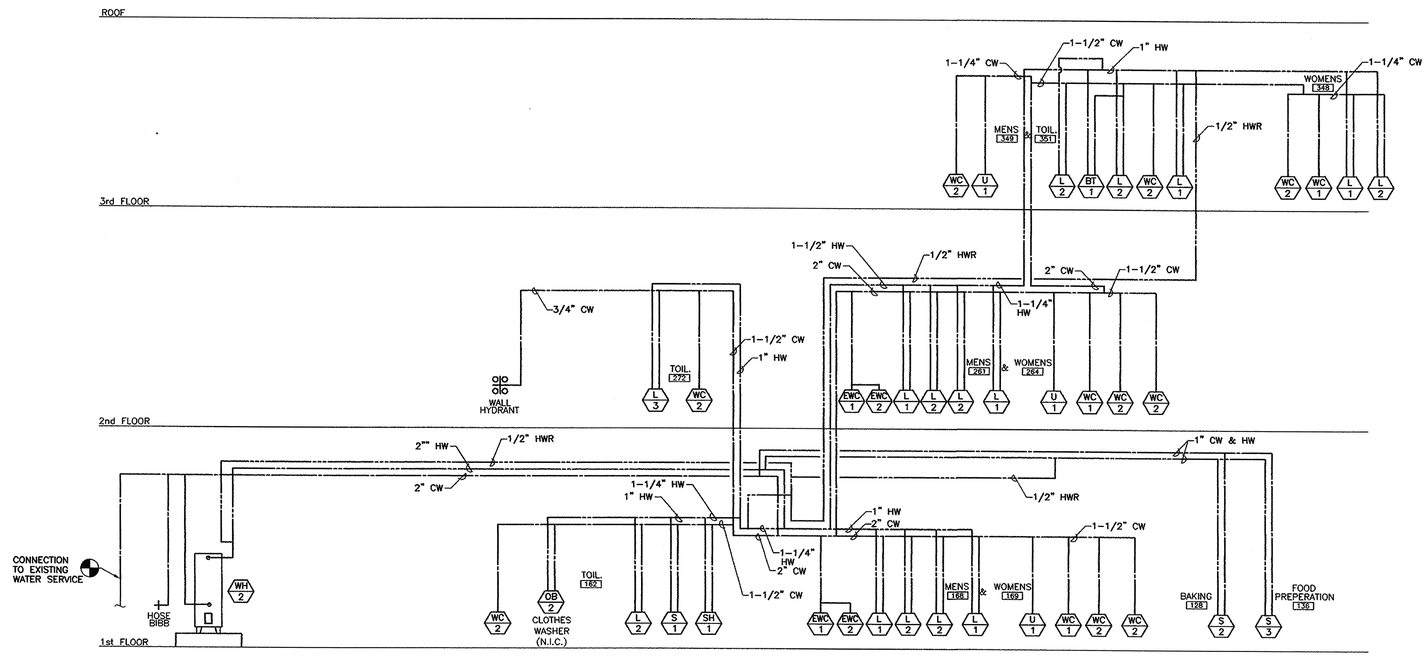
Drawing No.
P-6

N:\Coc02031\Acad\CD\electric\E-4 second floor plan – lighting & power.dwg



SANITARY WASTE & VENT RISER DIAGRAM

NO SCALE



DOMESTIC WATER RISER DIAGRAM

NO SCALE

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Drawn By: EJB
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Project No. 13202031
File No. N/A

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Approved By: Date:

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CLARION COUNTY COMMISSIONERS
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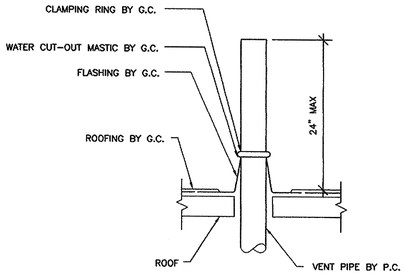
CLARION, PENNSYLVANIA

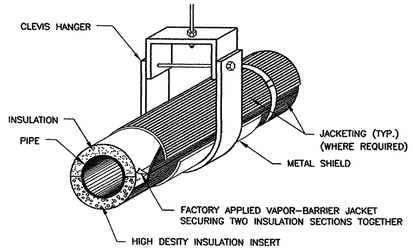
PLUMBING RISER DIAGRAMS

Drawing No.
P-7

N:\Coc02031\Acad\CD\electric\E-4 second floor plan - lighting & power.dwg



PLUMBING VENT DETAIL
NO SCALE



TYPICAL INSULATED PIPE HANGER DETAIL
NO SCALE

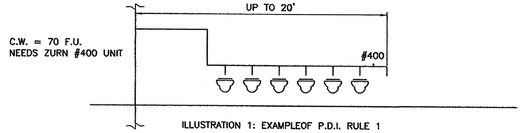


ILLUSTRATION 1: EXAMPLEOF P.D.I. RULE 1

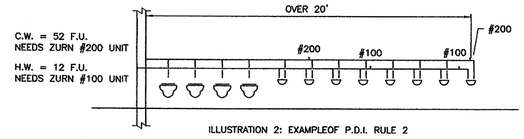
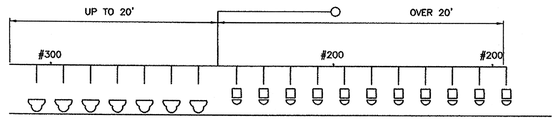


ILLUSTRATION 2: EXAMPLEOF P.D.I. RULE 2

MULTIPLE FIXTURES – BRANCH LINE LESS THAN 20' LONG – (ILLUS. 1). THE PREFERRED LOCATION FOR A WHA IS AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED WHEN THE BRANCH LINES DO NOT EXCEED 20' IN LENGTH, FROM THE START TO THE HORIZONTAL BRANCH LINE TO THE LAST FIXTURE SUPPLY ON THIS LINE.

MULTIPLE FIXTURES – BRANCH LINE MORE THAN 20' LONG – (ILLUS. 2). ON BRANCH LINES OVER 20' IN LENGTH, USE TWO WHA WHOSE CAPACITIES TOTAL THE REQUIREMENTS OF THE BRANCH. LOCATE ONE UNIT BETWEEN THE LAST AND NEXT TO LAST FIXTURE AND THE OTHER UNIT APPROXIMATELY MIDWAY BETWEEN THE FIXTURES.

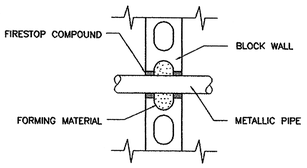
MULTIPLE FIXTURES – EXTREMELY LONG BRANCH LINE – (ILLUS. 3). IN UNUSUAL INSTANCES WHERE A VERY LONG BRANCH LINE IS INVOLVED, THE WATER SUPPLY IS GENERALLY FED TO SOME MIDPOINT OR OTHER LOCATION ON THE BRANCH LINE.



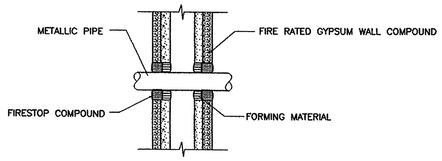
UP TO 20' – C.W. = 60 F.U. – NEEDS ONE ZURN #300 UNIT
OVER 20' – C.W. = 60 F.U. – NEEDS TWO ZURN #200 UNITS

ILLUSTRATION 3: EXAMPLEOF P.D.I. RULE 1 & RULE 2

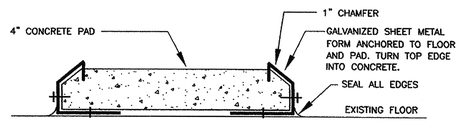
WATER HAMMER ARRESTOR DETAIL
NO SCALE



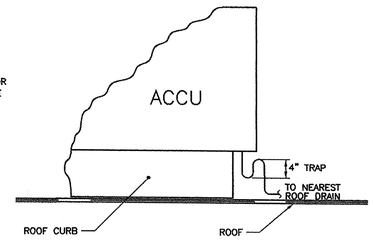
FIRE RATED BLOCK WALL PENETRATION DETAIL
NO SCALE



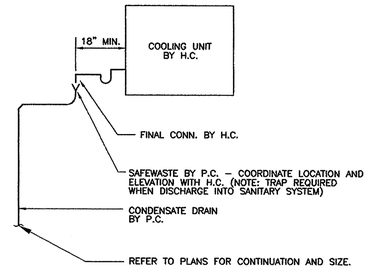
FIRE RATED WALL BOARD PENETRATION DETAIL
NO SCALE



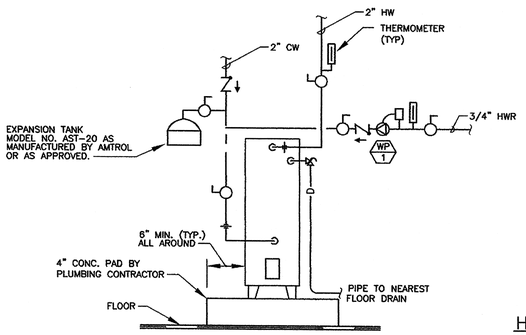
CONCRETE BASE DETAIL
NO SCALE



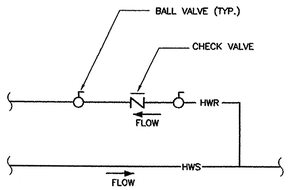
TYPICAL CONDENSATE CONNECTION DETAIL
NO SCALE



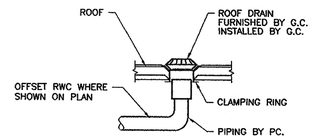
TYPICAL COOLING UNIT CONDENSATE DRAIN DETAIL
NO SCALE

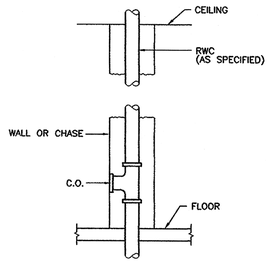


WH 2 NEW WATER HEATER PIPING SCHEMATIC
NO SCALE



HOT WATER RETURN VALVE ASSEMBLY DETAIL
NO SCALE





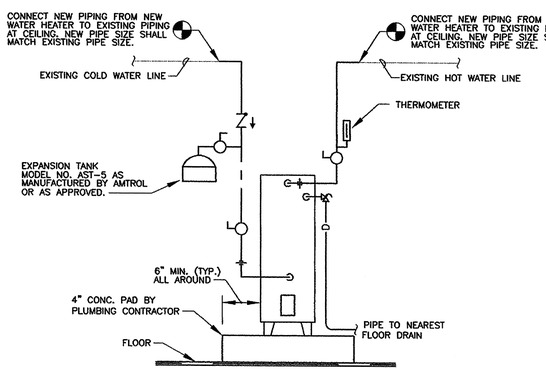
TYPICAL DETAIL OF ROOF DRAIN AND RAIN WATER CONDUCTOR
NO SCALE

CIRCULATING PUMP SCHEDULE

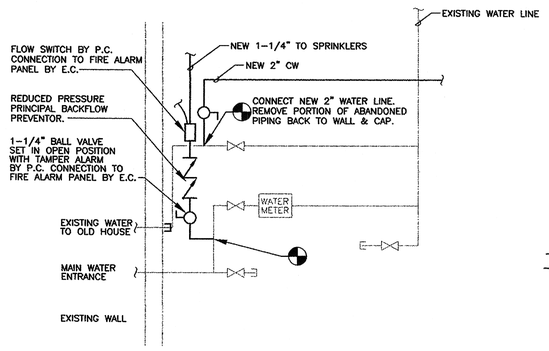
TAG	H.P.	GPM	FT OF HD	ELECTRICAL CHAR.	RPM	REMARKS	DESIGNED AROUND
WP 1	1/25	1	11	115V-1ø-60HZ	3250	ALL BRONZE IN-LINE	TACO 007

WATER HEATER SCHEDULE

TAG	SERVICE	RECOVERY @ 80° F	STORAGE CAPACITY	OUTLET TEMP.	ELEC. CHAR.	FUEL	INPUT BTU	DESIGNED AROUND MFG/MODEL NO.
WH 1	DOMESTIC	46 GPH	40 GAL	120°	208V/3PH/60HZ	ELECTRIC	30,717	A.O.SMITH/DSED-40
WH 2	DOMESTIC	77 GPH	119 GAL	120°	208V/3PH/60HZ	ELECTRIC	51,195	A.O.SMITH/DSED-120



WH 1 WATER HEATER REPLACMENT SCHEMATIC
NO SCALE



WATER SERVICE ENTRANCE DETAIL
NO SCALE

N:\Coc02031\Acad\CD\electric\E-4 second floor plan – lighting & power.dwg

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Drawn By: EJB
Checked By: VAJ
Project No. 1302/2031
File No. N/A

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Date:
Approved By:

Date:
Approved By:

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CLARION, PENNSYLVANIA

PLUMBING DETAILS

Drawing No.
P-8

ELECTRICAL LEGEND

NOTES:
A. NOT ALL SYMBOLS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.
B. DASHED SYMBOLS REPRESENT EXISTING EQUIPMENT OR EQUIPMENT NOT IN CONTRACT.

LIGHTING

- POLE LIGHT – H.I.D. – SINGLE ARM
- POLE LIGHT – H.I.D. – DOUBLE ARM
- FLUORESCENT LIGHTING FIXTURE
- FLUORESCENT LIGHTING FIXTURE – WITH CENTER LAMP ON "EMERGENCY ONLY" CIRCUIT
- FLUORESCENT LIGHTING FIXTURE – WITH EMERGENCY BALLAST
- FLUORESCENT LIGHTING FIXTURE – ON "NORMAL/EMERGENCY" CIRCUIT
- FLUORESCENT LIGHTING FIXTURE – WITH NIGHT LIGHT ON "NORMAL/EMERGENCY" CIRCUIT
- INCANDESCENT, FLUORESCENT OR H.I.D. LIGHTING FIXTURE – CEILING
- INCANDESCENT, FLUORESCENT OR H.I.D. LIGHTING FIXTURE – WALL
- H.I.D. LIGHTING FIXTURE – WITH "EMERGENCY ONLY" SOCKET – CEILING
- H.I.D. LIGHTING FIXTURE – WITH "EMERGENCY ONLY" SOCKET – WALL
- INCAND. OR FLUOR. LIGHTING FIXTURE – ON "EMERGENCY ONLY" CIRCUIT – CEILING
- INCAND. OR FLUOR. LIGHTING FIXTURE – ON "EMERGENCY ONLY" CIRCUIT – WALL
- INCAND., FLUOR. OR H.I.D. (WITH QUARTZ RESTRIKE) LIGHTING FIXTURE – ON "NORMAL/EMERGENCY" CIRCUIT – CEILING
- INCAND., FLUOR. OR H.I.D. (WITH QUARTZ RESTRIKE) LIGHTING FIXTURE – ON "NORMAL/EMERGENCY" CIRCUIT – WALL
- H.I.D. LIGHTING FIXTURE – WITH QUARTZ RESTRIKE – CEILING
- H.I.D. LIGHTING FIXTURE – WITH QUARTZ RESTRIKE – WALL
- EMERGENCY LIGHTING UNIT – BATTERY TYPE
- EMERGENCY LIGHTING FIXTURE – BATTERY TYPE – REMOTE
- EXIT SIGN – W/ DIRECTIONAL ARROWS WHERE INDICATED OR AS REQUIRED – CEILING
- EXIT SIGN – W/ DIRECTIONAL ARROWS WHERE INDICATED OR AS REQUIRED – WALL
- FLOOD OR SPOT LIGHTING FIXTURE
- FLOOD OR SPOT LIGHTING FIXTURE – MOUNTED ON TRACK
  S – NORMAL SPOT
  W – WIDE FLOOD LIGHT
  M – MEDIUM FLOOD LIGHT
  N – NARROW FLOOD LIGHT

POWER EQUIPMENT

- EXISTING PANELBOARD – SURFACE
- NEW PANELBOARD – SURFACE
- EXISTING PANELBOARD – RECESSED
- NEW PANELBOARD – RECESSED
- EQUIPMENT CABINET – SURFACE
- EQUIPMENT CABINET – RECESSED
- JUNCTION BOX – CEILING, FLOOR OR IN EQUIPMENT
- JUNCTION BOX – WALL
- JUNCTION BOX – IN CAST BOX 3" STANDPIPE
- CONTACTOR
- RELAY
- POWER POLE
- TRANSFORMER
- LOW VOLTAGE TRANSFORMER – BY OTHERS
- DISCONNECT SWITCH – NON FUSED – SIZE AS NOTED
- DISCONNECT SWITCH – FUSED – SIZE AS NOTED
- COMBINATION STARTER/DISCONNECT – BY OTHERS
- MOTOR – BY OTHERS
- ELECTRIC SOLENOID VALVE–BY P.C. (H–HOT WATER, C–COLD WATER, G–GAS)
- SERVICE MAST – ROOF
- BLANK OUTLET – FLOOR
- BLANK OUTLET – WALL
- BLANK OUTLET – MOUNTED ABOVE COUNTER
- LIGHTING OR POWER CIRCUITING
- HOMERUN TO PANELBOARD
- EQUIPMENT ON SAME CIRCUIT BUT SEPARATELY CONTROLLED
- —C— UNDERGROUND ELECTRIC DUCT BANK – BRANCH CIRCUIT
- —E— "EMERGENCY" ONLY CIRCUIT
- —EC— NORMAL/EMERGENCY – CRITICAL CIRCUIT
- —OPE— EXISTING OVERHEAD ELECTRIC – PRIMARY SERVICE
- —OTC— EXISTING OVERHEAD TELECOMMUNICATIONS
- —SL— UNDERGROUND SITE LIGHTING DUCT BANK
- —TC— UNDERGROUND TELEPHONE DUCT BANK – BRANCH CIRCUIT
- —UPE— UNDERGROUND PRIMARY ELECTRIC SERVICE
- —USE— UNDERGROUND SECONDARY ELECTRIC SERVICE
- —UTC— UNDERGROUND TELECOMMUNICATIONS SERVICE
- —UT— UNDERGROUND TELEPHONE SERVICE
- —UTV— UNDERGROUND CABLE TELEVISION SERVICE
- CABLE TRAY – CENTER HUNG
- CABLE TRAY – WALL HUNG

WIRING DEVICES

S	SWITCH – SINGLE POLE
S_3	SWITCH – THREE WAY
S_4	SWITCH – FOUR WAY
S_S	SWITCH – TOUCH SOX
S_D	SWITCH – DIMMER
S_{DF}	SWITCH – FLOURESCENT DIMMER
S_K	SWITCH – KEY OPERATED
S_M	SWITCH – MAINTAINED CONTACT (3 POSITION/2 CIRCUIT)
S_P	SWITCH – W/ PILOT LIGHT
S_R	SWITCH – LOCAL REMOTE CONTROL
S_{RK}	SWITCH – LOCAL REMOTE CONTROL, KEY OPERATED
S_{RP}	SWITCH – LOCAL REMOTE CONTROL WITH PILOT LIGHT (3 POSITION/2 CIRCUIT)
S_{RKP}	SWITCH – LOCAL REMOTE CONTROL, KEY OPERATED W/ PILOT LIGHT (3 POSITION/2 CIRCUIT)
S_T	SWITCH – THERMAL
S_{TP}	SWITCH – THERMAL W/ PILOT LIGHT
S_{WP}	SWITCH – WEATHERPROOF
S_X	SWITCH – EXPLOSION PROOF
S_{XP}	SWITCH – EXPLOSION PROOF WITH PILOT LIGHT
	PUSHBUTTON
E	PUSHBUTTON – EMERGENCY
K	PUSHBUTTON – EMERGENCY, KEY OPERATED
P	PUSHBUTTON – PANIC/ENTRANCE STATION
	RECEPTACLE – SINGLE
	RECEPTACLE – DUPLEX
	RECEPTACLE – QUADRAPLEX
	RECEPTACLE – W/ GROUND FAULT INTERRUPTER
	RECEPTACLE – ISOLATED GROUND TRANSIENT VOLTAGE SURGE SUPPRESSOR
	RECEPTACLE – QUADRAPLEX – ISOLATED GROUND TRANSIENT VOLTAGE SURGE SUPPRESSOR
	RECEPTACLE – TAMPER RESISTANT
	RECEPTACLE – DUPLEX – IN CAST BOX ON 3" STANDPIPE
C	RECEPTACLE – MOUNTED ABOVE COUNTER
E	RECEPTACLE – EMERGENCY
L	RECEPTACLE – LOCKABLE
	RECEPTACLE – DUPLEX – FLOOR
	RECEPTACLE – DUPLEX – FLOOR – ISOLATED GROUND TRANSIENT VOLTAGE SURGE SUPPRESSOR
	RECEPTACLE – DUPLEX – CEILING
	RECEPTACLE – DUPLEX – CEILING – ISOLATED GROUND TRANSIENT VOLTAGE SURGE SUPPRESSOR
	SPECIAL PURPOSE OUTLET – SINGLE PHASE – WALL
	SPECIAL PURPOSE OUTLET – THREE PHASE – WALL
	SPECIAL PURPOSE OUTLET – IN CAST BOX ON 3" STANDPIPE
	TELE–POWER POLE – WITH DEVICES AS INDICATED
	FIRE–RATED POKE–THROUGH – WITH DEVICES AS INDICATED
	FLUSH FLOOR BOX – WITH DEVICES AS INDICATED
	SURFACE RACEWAY – WITH DEVICES AS INDICATED
	VERTICAL DROP – FEED END
	HORIZONTAL RUN
B	BUZZER – WALL
D	DOOR SWITCH – BY OTHERS
	PHOTOCELL CONTROL UNIT – ROOF
	PHOTOCELL CONTROL UNIT – WALL
	CABLE REEL DROP – WITH DUPLEX RECEPTACLE
	CABLE DROP ASSEMBLY – SINGLE PHASE
	CABLE DROP ASSEMBLY – THREE PHASE

INTRUSION DETECTION/CCTV

- I.D.S. MOTION DETECTOR – CEILING (NUMBER INDICATES ZONE)
- I.D.S. MOTION DETECTOR – WALL (NUMBER INDICATES ZONE)
- I.D.S. SECURITY SPEAKER – CEILING
- I.D.S. SECURITY SPEAKER – WALL
- MAGNETIC DOOR SECURITY CONTACTS (NUMBER INDICATES ZONE IF REQUIRED)
- CAMERA – CEILING
- CAMERA – WALL
- CAMERA – TRAUMA CCTV SYSTEM
- MULTIPLEXER
- MONITOR – WALL
- MONITOR – CEILING
- KEYPAD
- ELECTRONIC LOCK
- INTERCOM
- EQUIPMENT CABINET – SURFACE
- EQUIPMENT CABINET – RECESSED
- DOOR BUZZER
- CARD READER

COMMUNICATION

- TELEPHONE OUTLET – FLOOR
- TELEPHONE OUTLET (LOW) – WALL
- TELEPHONE OUTLET (HIGH) – WALL
- TELEPHONE HANDSET (HIGH) – CLASSROOM – WALL
- TELEPHONE HANDSET (LOW) – ADMINISTRATION – DESK
- TELEPHONE HANDSET (HIGH) – ADMINISTRATION – WALL
- TELEPHONE OUTLET – PAY PHONE
- TELEPHONE OUTLET – MOUNTED ABOVE COUNTER
- TELEPHONE OUTLET – FAX
- TELEPHONE OUTLET – MODEM
- COMPUTER OUTLET – WALL – EMPTY CONDUIT
- COMPUTER OUTLET – FLOOR – EMPTY CONDUIT
- COMPUTER OUTLET – MOUNTED ABOVE COUNTER
- DATA/VOICE OUTLET – WALL
- DATA/VOICE OUTLET – FLOOR
- DATA/VOICE OUTLET – MOUNTED ABOVE COUNTER
- DATA/VOICE OUTLET – NUMBER OF ACTIVE PORTS AS INDICATED (2, 4, 6, OR 8)
- FIBER OPTIC OUTLET – WALL
- FIBER OPTIC OUTLET – FLOOR
- CLOCK – WALL
- CLOCK – CEILING
- CLOCK – DOUBLE FACE
- CLOCK – INTERNAL TIMER
- CLOCK – DIGITAL
- SPEAKER – CEILING
- SPEAKER – WALL
- SPEAKER – LOCAL PA SYSTEM – CEILING
- SPEAKER – INTERCOM
- SPEAKER – HORN TYPE – WALL
- COMBINATION CLOCK AND SPEAKER – WALL
- INTERCOM HANDSET – WALL
- CALL–IN SWITCH
- TIMER CONTROL – WALL
- MICROPHONE OUTLET – FLOOR
- MICROPHONE OUTLET – WALL
- MICROPHONE OUTLET – MOUNTED ABOVE COUNTER
- VOLUME CONTROL SWITCH
- TELEVISION OUTLET – FLOOR
- TELEVISION OUTLET – WALL
- TELEVISION OUTLET – CATV MOUNTED HIGH AND REMOTE ORIGINATION MOUNTED LOW
- PROJECTOR OUTLET – WALL
- FLUSH MOUNTED PROJECTOR OUTLET – FLOOR
- PLYWOOD BACKBOARD
- I.C. RACK – EQUIPMENT RACK – FLOOR
- EQUIPMENT CABINET – SURFACE
- EQUIPMENT CABINET – RECESSED

FIRE ALARM

- MANUAL PULL STATION (NUMBER INDICATES ZONE IF REQUIRED)
- MANUAL PULL STATION – KEY OPERATED (NUMBER INDICATES ZONE IF REQUIRED)
- AUDIBLE WITH VISUAL UNIT
- VISUAL ONLY
- AUDIBLE ONLY
- SMOKE DETECTOR – CEILING (NUMBER INDICATES ZONE IF REQUIRED)
- HEAT DETECTOR – CEILING (NUMBER INDICATES ZONE IF REQUIRED)
- SMOKE DETECTOR – WALL
- HEAT DETECTOR – WALL
- SMOKE DETECTOR – DOOR (NUMBER INDICATES ZONE IF REQUIRED)
- SMOKE DETECTOR – ELEVATOR
- DUCT DETECTOR – SMOKE (NUMBER INDICATES ZONE IF REQUIRED)
- DUCT DETECTOR – HEAT
- DOOR HOLDER (F–FLOOR, C–CEILING, W–WALL)
- ZONE CONTROL MODULE
- ADDRESSABLE CONTROL MODULE (NUMBER INDICATES ZONE IF REQUIRED)
- FLOW SWITCH – BY OTHERS
- TAMPER SWITCH – BY OTHERS
- REMOTE TEST STATION – CEILING
- REMOTE TEST STATION – WALL
- EQUIPMENT CABINET – SURFACE
- EQUIPMENT CABINET – RECESSED

NURSE CALL

- MASTER STATION HANDSET – DESK
- SLAVE STATION HANDSET – DESK
- MASTER STATION HANDSET– WALL
- SLAVE STATION HANDSET – WALL
- STAFF STATION
- STAFF/DUTY STATION
- STAFF EMERGENCY STATION
- DUTY STATION
- PATIENT STATION – SINGLE
- PATIENT STATION – DUAL
- PATIENT STATION – ENTERTAINMENT OPTION
- EMERGENCY STATION
- CODE BLUE STATION
- CORRIDOR LIGHT – CEILING – COLOR(S) AS INDICATED (R–RED, W–WHITE, Y–YELLOW AND/OR G–GREEN)
- ZONE LIGHT – CEILING – COLOR(S) AS INDICATED (R–RED, W–WHITE, A–AMBER AND/OR G–GREEN)
- CORRIDOR LIGHT – WALL
- ZONE LIGHT – WALL
- TONE UNIT – CEILING
- TONE UNIT – WALL
- EQUIPMENT CABINET – SURFACE
- EQUIPMENT CABINET – RECESSED

GENERAL

- INDICATES PLAN NOTE NUMBER
- INDICATES NEW DEVICE INSTALLED IN EXISTING OUTLET BOX OR AT EXISTING LOCATION OF SIMILAR REMOVED DEVICE
- 48" INDICATES CENTERLINE OF DEVICE INSTALLED 48" ABOVE FINISHED FLOOR
- INDICATES CROSS SECTION SEE DETAIL "A–A"
- ELEVATION
- RECONNECTION
- NEW CONNECTION
- EQUIPMENT TAG
- SECTION

MOUNTING HEIGHTS

AREA OF RESCUE ASSISTANCE SIGN:
6" BELOW CEILING OR 80" ABOVE FINISHED FLOOR, WHICHEVER IS LOWER.

AREA OF RESCUE ASSISTANCE INTERCOM MASTER STATION:
42" ABOVE FINISHED FLOOR.

AREA OF RESCUE ASSISTANCE INTERCOM STATION:
42" ABOVE FINISHED FLOOR.

BLANK OUTLET – WALL:
SAME AS RECEPTACLES.

BUZZER:
42" ABOVE FINISHED FLOOR.

CABINET (EQUIPMENT) – WALL:
TOP OF TRIM 6'–0" ABOVE FINISHED FLOOR. IF CABINET IS OVER 6'–0" TALL, MOUNT BOTTOM EDGE 6" ABOVE FINISHED FLOOR.

CALL ORIGINATION SWITCH/BUTTON:
SAME AS LIGHTING SWITCHES.

CAMERA – WALL:
7'–8" ABOVE FINISHED FLOOR

CIRCUIT BREAKER – ENCLOSED:
5'–0" ABOVE FINISHED FLOOR.

CLASSROOM TELEPHONE HANDSET – WALL:
42" ABOVE FINISHED FLOOR.

CLOCK OUTLET – WALL:
CENTERED BETWEEN BLACKBOARD AND CEILING, OR BETWEEN TOP OF DOOR AND CEILING, OR AS DIRECTED BY THE ARCHITECT.

CLOCK RECEPTACLE:
7'–0" ABOVE FINISHED FLOOR.

CLOCK AND SPEAKER (COMBINATION) – WALL:
7'–6" ABOVE FINISHED FLOOR.

COMPUTER OUTLET – WALL:
SAME AS RECEPTACLES.

CONTACTOR:
5'–0" ABOVE FINISHED FLOOR.

DATA/VOICE OUTLET – WALL:
SAME AS RECEPTACLES.

DISCONNECT SWITCH:
5'–0" ABOVE FINISHED FLOOR.

EMERGENCY BATTERY UNIT – WALL:
18" BELOW CEILING OR 8'–0" ABOVE FINISHED FLOOR, WHICHEVER IS LOWER.

EMERGENCY LIGHT – REMOTE HEAD:
12" BELOW CEILING OR 8'–0" ABOVE FINISHED FLOOR, WHICHEVER IS LOWER.

EXIT SIGN – WALL:
6" ABOVE DOOR JAMB BUT NO HIGHER THAN 8'–0" ABOVE FINISHED FLOOR.

FIBER OPTIC OUTLET – WALL:
12" ABOVE SUSPENDED ACOUSTICAL CEILING.

FIRE ALARM PULL STATION:
42" ABOVE FINISHED FLOOR.

FIRE ALARM REMOTE ANNUNCIATOR STATION:
5'–0" ABOVE FINISHED FLOOR.

FIRE ALARM REMOTE DUCT DETECTOR TEST STATION – WALL:
5'–0" ABOVE FINISHED FLOOR.

FIRE ALARM VISUAL – WALL:
6" BELOW CEILING OR 80" ABOVE FINISHED FLOOR, WHICHEVER IS LOWER.

FIRE ALARM VISUAL/AUDIBLE (COMBINATION TYPE) – WALL:
6" (CENTER OF VISUAL) BELOW CEILING OR 80" ABOVE FINISHED FLOOR, WHICHEVER IS

GENERATOR REMOTE ANNUNCIATOR STATION:
5'–0" ABOVE FINISHED FLOOR.

HORNS – OUTDOOR:
12" BELOW EDGE OF ROOF.

INTERCOM STATION:
42" ABOVE FINISHED FLOOR.

INTRUSION DETECTION KEYPAD:
42" ABOVE FINISHED FLOOR.

INTRUSION DETECTION CARD READER:
42" ABOVE FINISHED FLOOR.

INTRUSION DETECTION SPEAKER – WALL:
7'–6" ABOVE FINISHED FLOOR.

LIGHT FIXTURE – WALL:
SEE SPECIFICATIONS OR LIGHT FIXTURE SCHEDULE FOR MOUNTING HEIGHT.

MICROPHONE OUTLET – WALL:
SAME AS RECEPTACLES.

MONITOR – WALL:
7'–6" ABOVE FINISHED FLOOR.

MOTION DETECTOR – WALL:
6'–0" ABOVE FINISHED FLOOR OR AS RECOMMENDED BY MANUFACTURER.

NURSE CALL CODE BLUE STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL CORRIDOR LIGHT – WALL:
6" ABOVE DOOR JAMB BUT NO HIGHER THAN 8'–0" ABOVE FINISHED FLOOR.

NURSE CALL EMERGENCY STATION:
42" ABOVE FINISHED FLOOR.

NURSE CALL DUTY STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL MASTER STATION HANDSET – WALL:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL PATIENT STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL REMOTE ANNUNCIATOR STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL SLAVE STATION HANDSET – WALL:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL STAFF STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL STAFF/DUTY STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL STAFF EMERGENCY STATION:
5'–0" ABOVE FINISHED FLOOR.

NURSE CALL ZONE LIGHT – WALL:
6" ABOVE DOOR JAMB BUT NO HIGHER THAN 8'–0" ABOVE FINISHED FLOOR.

NURSE CALL ZONE LIGHT – WALL:
42" ABOVE FINISHED FLOOR.

PANELBOARD:
TOP OF TRIM 6'–0" ABOVE FINISHED FLOOR. IF PANELBOARD IS OVER 6'–0" TALL, MOUNT BOTTOM EDGE OF PANELBOARD 6" ABOVE FINISHED FLOOR.

PHOTOELECTRIC CELL – WALL:
12" FROM TOP OF ROOF ON NORTH FACE OF BUILDING.

PUSH BUTTON – WALL:
SAME AS LIGHTING SWITCHES.

PROJECTOR OUTLET – WALL:
SAME AS RECEPTACLES.

RECEPTACLE – WALL:
RECEPTACLES OCCURRING IN STRUCTURAL TILE, BRICK OR BLOCK WALLS SHALL BE LOCATED ABOVE MASONRY JOINTS NEAREST THE APPROPRIATE MOUNTING HEIGHT AS INDICATED BELOW.

FINISHED SPACE

STANDARD:
18" ABOVE FINISHED FLOOR. WHERE INTERFERENCE WITH HEATING EQUIPMENT REQUIRES HIGHER MOUNTING, MOUNT AS DIRECTED BY THE ARCHITECT.

COUNTERS:
6" ABOVE BACK SPLASH OF COUNTER. CONSTRUCTION OF COUNTERS AND HEIGHTS OF BACKS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE ROUGHING–IN.

UNFINISHED SPACE:
42" ABOVE FINISHED FLOOR EXCEPT WHERE INTERFERENCE WITH MECHANICAL EQUIPMENT REQUIRES HIGHER MOUNTING.

EXTERIOR – WALL:
24" ABOVE FINISHED FLOOR. IF RECEPTACLE IS LESS THAN 24" ABOVE FINISHED GRADE, INCREASE MOUNTING HEIGHT TO MAINTAIN 24" ABOVE FINISHED GRADE.

ROOF – WALL:
24" ABOVE FINISHED ROOF.

RECEPTACLE – SPECIAL PURPOSE:
SAME AS RECEPTACLES.

SIREN – OUTDOOR:
SAME AS OUTDOOR HORNS.

SWITCH – LIGHTING:
42" ABOVE FLOOR ON STRIKE SIDE OF DOOR. WHERE SWITCHES OCCUR IN BRICK, TILE OR BLOCK WALLS, THEY SHALL BE MOUNTED AT VERTICAL MASONRY JOINT AND IN EITHER TOP OR BOTTOM HORIZONTAL JOINT, WHICHEVER IS CLOSEST TO THE MOUNTING HEIGHT. WHERE SWITCH HEIGHT OCCURS AT POINT OF CHANGE OF FINISH, THEY SHALL BE RAISED OR LOWERED TO OCCUR IN ONE FINISH.

SPEAKER – WALL:
CENTERED BETWEEN BLACKBOARD AND CEILING.

SURFACE RACEWAY – HORIZONTAL RUN:
SAME AS RECEPTACLES.

TELEPHONE OUTLET – WALL:
LOW: SAME AS RECEPTACLES.
HIGH: 42" ABOVE FINISHED FLOOR.

TELEPHONE HANDSET:
LOW: SAME AS RECEPTACLES.
HIGH: 42" ABOVE FINISHED FLOOR.

TELEVISION RECEPTACLE AND TV OUTLET – WALL:
7'–0" ABOVE FINISHED FLOOR.

THERMAL SWITCH – WALL:
SAME AS LIGHTING SWITCHES.

TIME SWITCH – DIGITAL:
5'–0" ABOVE FINISHED FLOOR.

TRANSFER SWITCH:
SAME AS PANELBOARDS.

VOLUME CONTROL:
SAME AS LIGHTING SWITCHES.

MOUNTING HEIGHT NOTES

MH1. UNLESS INDICATED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ARCHITECT, CENTER–LINE OF DEVICE SMALL BE AS INDICATED ABOVE.

MH2. WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, THE CONTRACTOR SHALL INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE AND COMPLY WITH THE REQUIREMENTS OF EQUIPMENT MANUFACTURER.

ELECTRICAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.

A.	AMPERE	D.	DEEP
ABV.	ABOVE	D.C.	DIRECT CURRENT
A.F.F.	ABOVE FINISHED FLOOR	DEMO.	DEMOLITION
A.F.G.	ABOVE FINISHED GRADE	DEPT.	DEPARTMENT
A.F.F.F.	ABOVE FINISHED FIRST FLOOR	DIA.	DIAMETER
A.F.R.	ABOVE FINISHED ROOF	DISC.	DISCONNECT
A.I.C.	AMPERE INTERRUPTING CAPACITY	DIST.	DISTRIBUTION
AL.	ALUMINUM	D.L.	DAMP LOCATION
ALT.	ALTERNATE	DN.	DOWN
AM.	AMMETER	DWG.	DRAWING
APPROX.	APPROXIMATE		
ARCH.	ARCHITECT	E. OR EMER.	EMERGENCY
ARRNG.	ARRANGEMENT	EA.	EACH
A.S.	AMMETER SWITCH	E.C.	ELECTRICAL CONTRACTOR OR .4 CONTRACT
A.T.	AMP TRIP	EFF.	EFFICIENCY
A.T.C.	AUTOMATIC TEMPERATURE CONTROL	ELEC.	ELECTRICAL OR ELECTRIC
A.T.S.	AUTOMATIC TRANSFER SWITCH	ELEV.	ELEVATOR OR ELEVATION
		E.M.T.	ELECTRICAL METALLIC TUBING
B.A.S.	BUILDING AUTOMATION SYSTEM	ENCL.	ENCLOSURE
B.F.F.	BELOW FINISHED FLOOR	E.O.	ELECTRICALLY OPERATED
B.F.G.	BELOW FINISHED GRADE	EQ.	EQUAL
BKR.	BREAKER	EQUIP.	EQUIPMENT
BLDG.	BUILDING	E.T.R.	EXISTING TO REMAIN
BLW.	BELOW	E.P.	EXPLOSION PROOF
BSMT.	BASEMENT	E.W.C.	ELECTRIC WATER COOLER
BTU	BRITISH THERMAL UNITS	EXIST.	EXISTING
C.	CONDUIT OR COUNTER	F.	DEGREES FAREHNEIT
C.A.T.V.	CABLE TELEVISION	F.A.	FIRE ALARM
C.F.M.	CUBIC FEET PER MINUTE	FDR.	FEEDER
CKT.	CIRCUIT	FIN.	FINISH(ED)
℄	CENTERLINE	F.L.A.	FULL LOAD AMPERES
CLG.	CEILING	FLR.	FLOOR
C.M.U.	CONCRETE MASONRY UNIT	FLUOR.	FLUORESCENT
COL.	COLUMN	F.S.	FLOW SWITCH
CONC.	CONCRETE	FT.	FEET
CONTR.	CONTRACTOR		
C.T.	CURRENT TRANSFORMER		
CU.	COPPER		

GA.	GAUGE	MAX.	MAXIMUM
GAL.	GALLON	M.C.	MECHANICAL CONTRACTOR
GALV.	GALVANIZED	M.C.A.	MINIMUM CIRCUIT AMPACITY
G.C.	GENERAL CONTRACTOR OR .1 CONTRACT	M.C.B.	MAIN CIRCUIT BREAKER
G.F.I.	GROUND FAULT INTERRUPTER	M.C.C.	MOTOR CONTROL CENTER
G.F.S.R.	GROUND FAULT SENSING RELAY	M.F.A.	MAXIMUM FUSE AMPACITY
GND.	GROUND	MFR.	MANUFACTURER
		M.H.	METAL HALIDE
H.C.	HEATING CONTRACTOR OR .2 CONTRACT	MIN.	MINIMUM
H.I.D.	HIGH INTENSITY DISCHARGE	MISC.	MISCELLANEOUS
H.O.A.	HAND–OFF–AUTOMATIC	M.L.O.	MAIN LUGS ONLY
H.P.	HORSEPOWER OR HEAT PUMP	M.O.	MECHANICALLY OPERATED
H.P.S.	HIGH PRESSURE SODIUM	M.O.P.	MAXIMUM OVERCURRENT PROTECTION
HR.	HOUR	MTD.	MOUNTED
HT.	HEIGHT		
H.V.	HIGH VOLTAGE	N.C.	NORMALLY CLOSED
H.V.A.C.	HEATING, VENTILATION AND AIR CONDITIONING	NE	NORMAL EMERGENCY
		N.O.	NORMALLY OPEN
I.D.S.	INTRUSION DETECTION SYSTEM	N.I.C.	NOT IN CONTRACT
I.M.C.	INTERMEDIATE METAL CONDUIT	N.T.S.	NOT TO SCALE
INCAND.	INCANDESCENT		
IN.	INCH	O.C.	ON CENTER
INCL.	INCLUDING	OS&Y	OPEN STEM AND YOKE
J.B.	JUNCTION BOX	P.	PENDANT OR POLE
		PART.	PARTIAL
KVA.	KILOVOLT–AMPERE	P.B.	PULL BOX
KWH.	KILOWATT–HOUR	P.C.	PLUMBING CONTRACTOR OR .3 CONTRACT
KW.	KILOWATT	P.F.	POWER FACTOR
		P.F.F.B.	PROVISION FOR FUTURE BREAKER
L.	LONG OR LOCKABLE	PH.	PHASE
LB.	POUND	PNL.	PANEL
LF.	LINEAR FEET	PRI.	PRIMARY
LIN.	LINEAR	P.T.	POTENTIAL TRANSFORMER
L.R.A.	LOCK ROTOR AMPERES	P.V.C.	POLYVINYL CHLORIDE
L.S.	LIMIT SWITCH		
LTG.	LIGHTING	Q.	QUARTZ
L.V.	LOW VOLTAGE	QUAN.	QUANTITY

REQ'D.	REQUIRED		
RM.	ROOM		
RPM.	REVOLUTIONS PER MINUTE		
SCH.	SCHEDULE		
SEC.	SECONDARY		
SPEC.	SPECIFICATION		
SP.C.	SPRINKLER CONTRACTOR OR .6 CONTRACTOR		
SQ. FT.	SQUARE FEET		
S.T.	SHUNT TRIP		
STD.	STANDARD		
SW.	SWITCH		
SWGR.	SWITCHGEAR		
SYS.	SYSTEM		
TS	TAMPER SWITCH		
TEMP.	TEMPERATURE		
TRANS.	TRANSFORMER		
TV.	TELEVISION		
TYP.	TYPICAL		
U.C.	UNDER COUNTER		
U.L.	UNDERWRITER'S LABORATORY		
U.N.O	UNLESS NOTED OTHERWISE		
V.	VOLT		
VM.	VOLTMETER		
V.S.	VOLTMETER SWITCH		
W.	WIRE OR WATT OR WIDE		
W/	WITH		
W.G.	WIRE GUARD		
W.L.	WET LOCATION		
W/O	WITHOUT		
W.P.	WEATHER PROOF		
XFER	TRANSFER		
XFMR	TRANSFORMER		
#	PHASE OR DIAMETER		

EQUIPMENT ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS.

AAV	AUTOMATIC AIR VENT	H	HUMIDIFIER
ACU	AIR CONDITIONING UNIT	HAC	HEATING–AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSING UNIT	HCU	HEATING COIL UNIT
AHU	AIR HANDLING UNIT	HE	HEAT EXCHANGER
		HP	HEAT PUMP
B	BOILER	HRU	HEAT RECOVERY UNIT
		HUH	HORIZONTAL UNIT HEATER
CB	CONTROL		
CFU	CHEMICAL FEED UNIT	MAU	MAKE–UP AIR UNIT
CH	CHILLER	MOD	MOTOR OPERATED DAMPER
C	CONVECTOR		
CP	CONDENSATE PUMP OR CIRCULATING	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER		
CU	CONDENSING UNIT	P	PUMP
CUH	CABINET UNIT HEATER	PS	PRESSURE SWITCH
CUV	CLASSROOM UNIT VENTILATOR	PTAC	PACKAGED TERMINAL AIR CONDITIONING UNIT
D	EXISTING AIR DEVICE	R	RADIATION
DC	DUST COLLECTOR	RAF	RETURN AIR FAN
		RCU	REFRIGERANT CONDENSING UNIT
EBB	ELECTRIC BASEBOARD	REG	REGISTER
EC	ELECTRIC HEATING COIL	RH	RADIANT HEATER
EF	EXHAUST FAN	RV	ROOF VENTILATOR
ER	EXHAUST REGISTER		
ET	EXPANSION TANK	SCU	SELF CONTAINED UNIT
EUH	ELECTRIC UNIT HEATER	SD	SMOKE DAMPER
		SF	SUPPLY FAN
F	FAN		
FC	FAN COIL UNIT	TF	TRANSFER FAN
FD	FIRE DAMPER		
FTR	FINNED–TUBE RADIATION	UH	UNIT HEATER
FPB	FAN POWERED BOX	UV	UNIT VENTILATOR
FW	FAN POWERED VARIABLE VOLUME TERMINAL		
		VAV	VARIABLE AIR VOLUME TERMINAL
GUH	GAS–FIRED UNIT HEATER		
GV	GRAVITY VENTILATOR	WH	WATER HEATER

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Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each Contractor is to verify all existing conditions and dimensions.

Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: MJM
Checked By: MJM
Project No. 13202031
File No. N/A

Seal

Date:
Approved By:

Date:
Approved By:

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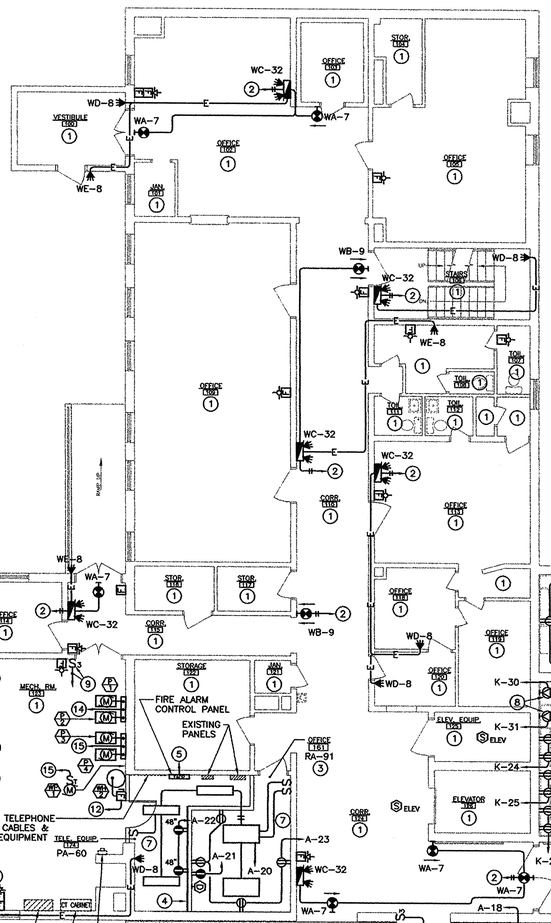
CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

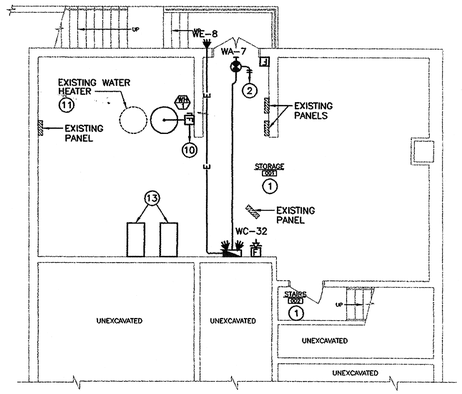
LEGEND & ABBREVIATIONS

Drawing No.
E-2



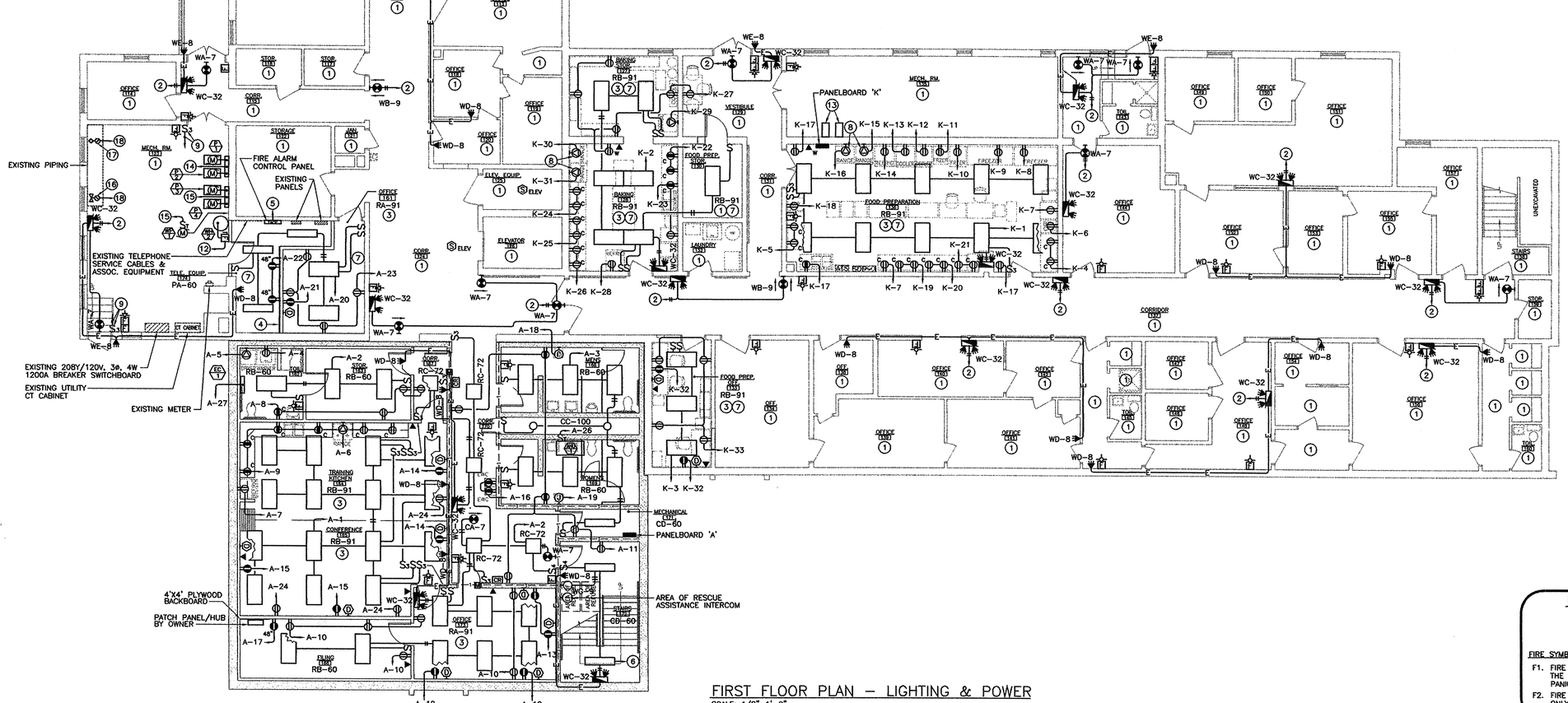
FIRST FLOOR PLAN – LIGHTING & POWER

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



SUB-FIRST FLOOR PLAN – LIGHTING & POWER

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



FIRST FLOOR PLAN – LIGHTING & POWER

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

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. UNLESS OTHERWISE NOTED, THE E.C. SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL APPURTENANCES INCLUDING, BUT NOT LIMITED TO, DISTRIBUTION AND GENERATING EQUIPMENT, WIRING DEVICES, LIGHTING FIXTURES, SPECIAL SYSTEMS, ETC. NOT REQUIRED AS A PART OF THE RENOVATED SYSTEM(S). RACEWAY AND CONDUCTORS ASSOCIATED WITH THE OBSOLETE EQUIPMENT SHALL BE REMOVED, COMPLETE, BACK TO THEIR SOURCE. FURNISH AND INSTALL NEW ELECTRICAL APPURTENANCES AS INDICATED.

C. CONDUIT AND WIRING REQUIRED TO INSURE PROPER OPERATION OF THE EXISTING SYSTEM(S), WHICH IS NOT INTENDED TO BE DISTURBED UNDER THIS PROJECT, SHALL REMAIN OR BE REVISED AND RECONNECTED TO MAINTAIN THE EXISTING SERVICE(S).

D. ALL REMOVED ELECTRICAL APPURTENANCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL ELECTRICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

E. DISCONNECT AND REMOVE THE EXISTING FIRE ALARM SYSTEM INCLUDING, BUT NOT LIMITED TO, PULLSTATIONS, VISUALS, AUDIBLES, PANELS, ANNUNCIATORS, AND ASSOCIATED CONDUIT AND CONDUCTORS, COMPLETE, BACK TO THEIR SOURCE AND REPLACE WITH NEW AS SHOWN ON THE DRAWINGS.

F. ALL SWITCHES AND RECEPTACLES (WIRING DEVICES) LOCATED IN THE EXISTING PORTION OF THE BUILDING WHICH ARE NOT INTENDED TO BE REMOVED AND/OR REPLACED WITH NEW SHALL HAVE THE WIRING DEVICE GROUNDING TERMINAL CONNECTED TO THE OUTLET BOX WITH A BONDING JUMPER AND TO A BRANCH-CIRCUIT EQUIPMENT GROUNDING CONDUCTOR. SEE DEVISION 16 "GROUNDING AND BONDING" AND DEVISION 16 "ALTERNATE BIDS" FOR ADDITIONAL REQUIREMENTS.

G. DISCONNECT AND REMOVE ELECTRICAL SERVICES SERVING THE EXISTING PORTION OF THE BUILDING TO BE REMOVED/DEMOLISHED BY THE G.C. CONDUIT AND CONDUCTORS SHALL BE REMOVED, COMPLETE, BACK TO THEIR SOURCE.

PLAN NOTES

1. NO WORK THIS AREA UNLESS NOTED OTHERWISE.
2. EXTEND 2–#12 AND 1–#12 GND. IN 3/4" CONDUIT TO A LIGHTING CIRCUIT SERVING EXISTING LIGHTS IN THE SAME SPACE AND CONNECT AS REQUIRED.
3. FIXTURES SHALL BE CONNECTED SO ONE SWITCH CONTROLS THE INSIDE LAMP(S) AND THE OTHER SWITCH CONTROLS THE OUTSIDE LAMPS.
4. 8' HIGH X 3/4" THICK PLYWOOD BACKBOARD FULL LENGTH OF WALL AS SHOWN.
5. EXTEND 2–#12 AND 1–#12 GND. IN 3/4" CONDUIT TO THE EXISTING BREAKER SERVING THE REMOVED FIRE ALARM PANEL AND RECONNECT AS REQUIRED.
6. EXTEND CONDUIT AND CONDUCTORS UP TO LIGHT FIXTURE 'CD-60' ABOVE AND CONNECT AS REQUIRED.
7. DISCONNECT AND REMOVE EXISTING LIGHTING INCLUDING, BUT NOT LIMITED TO, FIXTURES, SWITCHES, AND ASSOCIATED CONDUIT AND CONDUCTORS, COMPLETE, BACK TO THEIR SOURCE AND REPLACE WITH NEW AS SHOWN ON THE DRAWINGS.
8. VERIFY NEMA CONFIGURATION OF RANGE RECEPTACLE WITH EXISTING EQUIPMENT BEFORE PROCEEDING WITH ANY ROUGH-IN WORK.
9. DISCONNECT AND REMOVE EXISTING SWITCH AND REPLACE WITH NEW AS SHOWN. EXTEND CONDUIT AND CONDUCTORS TO EXISTING LIGHT FIXTURE IN SAME ROOM AND CONNECT AS REQUIRED.
10. EXTEND 3–#8 & 1–#10 GND. IN 1–1" CONDUIT TO AN EXISTING 208V, 3ø PANEL IN SAME SPACE AND CONNECT TO A NEW 40A–3P BREAKER. REMOVE SUFFICIENT SPARE BREAKERS IN SAME PANEL TO ACCOMMODATE THE NEW 40A–3P BREAKER.
11. DISCONNECT AND REMOVE EXISTING ELECTRIC SERVICE, INCLUDING CONDUIT & CONDUCTOR, COMPLETE, BACK TO THEIR SOURCE, TO MECHANICAL EQUIPMENT REMOVED BY OTHERS.
12. EXTEND 3–#4 & 1–#10 GND. IN 1–1 1/4" CONDUIT TO AN EXISTING 208V, 3ø PANEL IN TELE. EQUP. 174 AND CONNECT TO A NEW 60A–3P BREAKER. REMOVE SUFFICIENT SPARE BREAKERS IN SAME PANEL TO ACCOMMODATE THE NEW 60A–3P BREAKER.
13. DISCONNECT ELECTRICAL SERVICE TO EXISTING PUMPS REMOVED BY H.C. AND RECONNECT SAME SERVICE TO THE NEW PUMPS PROVIDED BY H.C.
14. EXTEND 4–#12 & 1–#12 GND. IN 1–3/4" CONDUIT TO AN EXISTING 208V, 3ø PANEL IN TELE. EQUP. 174 AND CONNECT TO A NEW 20A–3P BREAKER. REMOVE SUFFICIENT SPARE BREAKERS IN SAME PANEL TO ACCOMMODATE THE NEW 20A–3P BREAKER.
15. EXTEND 2–#12 & 1–#12 GND. IN 1–3/4" CONDUIT TO AN EXISTING PANEL IN TELE. EQUP. 174 AND CONNECT TO A NEW 20A–1P BREAKER. REMOVE SUFFICIENT SPARE BREAKERS IN SAME PANEL TO ACCOMMODATE THE NEW 20A–1P BREAKER.
16. NEW TAMPER SWITCH SHALL BE CONNECTED TO NEW FIRE ALARM SYSTEM ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
17. NEW FLOW SWITCH FOR SPRINKLERS SHALL BE CONNECTED TO NEW FIRE ALARM SYSTEM ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
18. EXTEND CIRCUIT TO FACP AND CONNECT ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.

FIRE PLAN GRAPHIC SYMBOLS

– – –|– – – 1 HOUR FIRE RATED CONSTRUCTION

FIRE SYMBOL NOTES

F1. FIRE PARTITIONS IN THE BOCA NATIONAL BUILDING CODE AND IN THE PENNSYLVANIA DEPARTMENT OF LABOR & INDUSTRY'S FIRE & PANIC REGULATIONS ARE THE SAME AS A FIRE BARRIER WALL.

F2. FIRE BARRIERS/FLOOR ASSEMBLIES SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC FIRE BARRIER TYPES AND LOCATIONS.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
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Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: MJM/CWH
Checked By: VAJ
Project No. 1320231
File No. N/A

Seal

Approved By: Date:

Approved By: Date:

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CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

FIRST FLOOR PLAN - LIGHTING & POWER

Drawing No.
E-3

N:\Coc02031\Acad\CD\04 – electric\E-3 basement floor plan – lighting & power.dwg

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

B. UNLESS OTHERWISE NOTED, THE E.C. SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL APPURTENANCES INCLUDING, BUT NOT LIMITED TO, DISTRIBUTION AND GENERATING EQUIPMENT, WIRING DEVICES, LIGHTING FIXTURES, SPECIAL SYSTEMS, ETC. NOT REQUIRED AS A PART OF THE RENOVATED SYSTEM(S). RACEWAY AND CONDUCTORS ASSOCIATED WITH THE OBSOLETE EQUIPMENT SHALL BE REMOVED, COMPLETE, BACK TO THEIR SOURCE. FURNISH AND INSTALL NEW ELECTRICAL APPURTENANCES AS INDICATED.

C. CONDUIT AND WIRING REQUIRED TO INSURE PROPER OPERATION OF THE EXISTING SYSTEM(S), WHICH IS NOT INTENDED TO BE DISTURBED UNDER THIS PROJECT, SHALL REMAIN OR BE REVISED AND RECONNECTED TO MAINTAIN THE EXISTING SERVICE(S).

D. ALL REMOVED ELECTRICAL APPURTENANCES NOT INTENDED FOR REUSE SHALL BE TURNED OVER TO THE OWNER AS DIRECTED. THIS CONTRACTOR SHALL ASSUME OWNERSHIP OF ALL ELECTRICAL APPURTENANCES REJECTED BY THE OWNER AND DISPOSE OF SAME IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

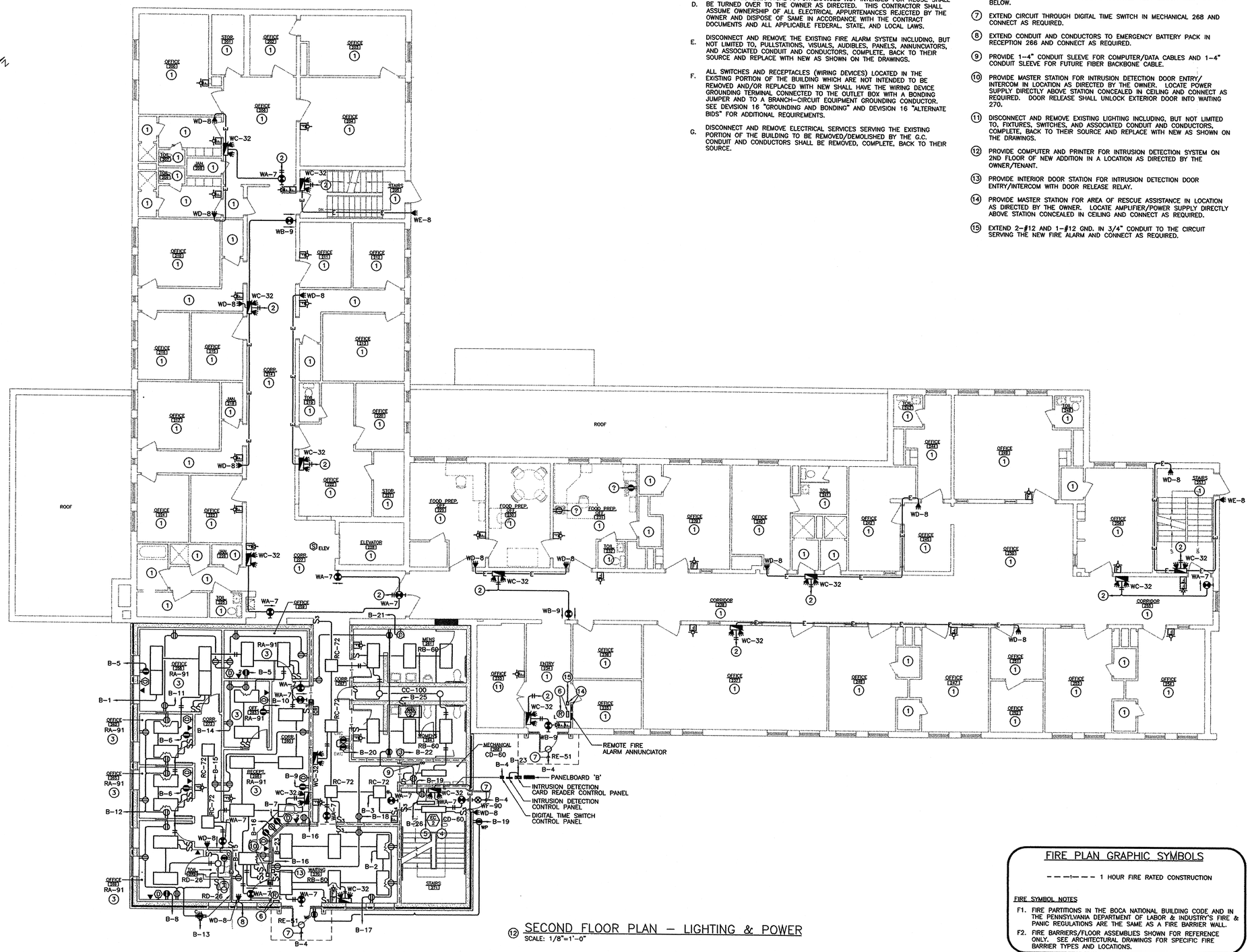
E. DISCONNECT AND REMOVE THE EXISTING FIRE ALARM SYSTEM INCLUDING, BUT NOT LIMITED TO, PULLSTATIONS, VISUALS, AUDIBLES, PANELS, ANNUNCIATORS, AND ASSOCIATED CONDUIT AND CONDUCTORS, COMPLETE, BACK TO THEIR SOURCE AND REPLACE WITH NEW AS SHOWN ON THE DRAWINGS.

F. ALL SWITCHES AND RECEPTACLES (WIRING DEVICES) LOCATED IN THE EXISTING PORTION OF THE BUILDING WHICH ARE NOT INTENDED TO BE REMOVED AND/OR REPLACED WITH NEW SHALL HAVE THE WIRING DEVICE GROUNDING TERMINAL CONNECTED TO THE OUTLET BOX WITH A BONDING JUMPER AND TO A BRANCH-CIRCUIT EQUIPMENT GROUNDING CONDUCTOR. SEE DEVISION 16 "GROUNDING AND BONDING" AND DEVISION 16 "ALTERNATE BIDS" FOR ADDITIONAL REQUIREMENTS.

G. DISCONNECT AND REMOVE ELECTRICAL SERVICES SERVING THE EXISTING PORTION OF THE BUILDING TO BE REMOVED/DEMOLISHED BY THE G.C. CONDUIT AND CONDUCTORS SHALL BE REMOVED, COMPLETE, BACK TO THEIR SOURCE.

PLAN NOTES

1. NO WORK THIS AREA UNLESS NOTED OTHERWISE.
2. EXTEND 2-#12 AND 1-#12 GND. IN 3/4" CONDUIT TO A LIGHTING CIRCUIT SERVING EXISTING LIGHTS IN THE SAME SPACE AND CONNECT AS REQUIRED.
3. FIXTURES SHALL BE CONNECTED SO ONE SWITCH CONTROLS THE INSIDE LAMP(S) AND THE OTHER SWITCH CONTROLS THE OUTSIDE LAMPS.
4. EXTEND CONDUIT AND CONDUCTORS UP TO LIGHT FIXTURE 'CD-60' ABOVE AND CONNECT AS REQUIRED.
5. EXTEND CONDUIT AND CONDUCTORS DOWN TO LIGHT FIXTURE 'CD-60' BELOW AND CONNECT AS REQUIRED.
6. PROVIDE REMOTE EMERGENCY BALLAST FOR FIXTURE TYPE 'RE-26' ABOVE ACCESSIBLE CEILING WITH A CEILING MOUNTED TEST SWITCH TEST DIRECTLY BELOW.
7. EXTEND CIRCUIT THROUGH DIGITAL TIME SWITCH IN MECHANICAL 268 AND CONNECT AS REQUIRED.
8. EXTEND CONDUIT AND CONDUCTORS TO EMERGENCY BATTERY PACK IN RECEPTION 266 AND CONNECT AS REQUIRED.
9. PROVIDE 1-4" CONDUIT SLEEVE FOR COMPUTER/DATA CABLES AND 1-4" CONDUIT SLEEVE FOR FUTURE FIBER BACKBONE CABLE.
10. PROVIDE MASTER STATION FOR INTRUSION DETECTION DOOR ENTRY/ INTERCOM IN LOCATION AS DIRECTED BY THE OWNER. LOCATE POWER SUPPLY DIRECTLY ABOVE STATION CONCEALED IN CEILING AND CONNECT AS REQUIRED. DOOR RELEASE SHALL UNLOCK EXTERIOR DOOR INTO WAITING 270.
11. DISCONNECT AND REMOVE EXISTING LIGHTING INCLUDING, BUT NOT LIMITED TO, FIXTURES, SWITCHES, AND ASSOCIATED CONDUIT AND CONDUCTORS, COMPLETE, BACK TO THEIR SOURCE AND REPLACE WITH NEW AS SHOWN ON THE DRAWINGS.
12. PROVIDE COMPUTER AND PRINTER FOR INTRUSION DETECTION SYSTEM ON 2ND FLOOR OF NEW ADDITION IN A LOCATION AS DIRECTED BY THE OWNER/TENANT.
13. PROVIDE INTERIOR DOOR STATION FOR INTRUSION DETECTION DOOR ENTRY/INTERCOM WITH DOOR RELEASE RELAY.
14. PROVIDE MASTER STATION FOR AREA OF RESCUE ASSISTANCE IN LOCATION AS DIRECTED BY THE OWNER. LOCATE AMPLIFIER/POWER SUPPLY DIRECTLY ABOVE STATION CONCEALED IN CEILING AND CONNECT AS REQUIRED.
15. EXTEND 2-#12 AND 1-#12 GND. IN 3/4" CONDUIT TO THE CIRCUIT SERVING THE NEW FIRE ALARM AND CONNECT AS REQUIRED.



12 SECOND FLOOR PLAN – LIGHTING & POWER
SCALE: 1/8"=1'-0"

FIRE PLAN GRAPHIC SYMBOLS

– – –|– – – 1 HOUR FIRE RATED CONSTRUCTION

FIRE SYMBOL NOTES

F1. FIRE PARTITIONS IN THE BOCA NATIONAL BUILDING CODE AND IN THE PENNSYLVANIA DEPARTMENT OF LABOR & INDUSTRY'S FIRE & PANIC REGULATIONS ARE THE SAME AS A FIRE BARRIER WALL.

F2. FIRE BARRIERS/FLOOR ASSEMBLIES SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC FIRE BARRIER TYPES AND LOCATIONS.

Revised Date:

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Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: MJM/CWH
Checked By: VAJ
Project No. 13202031
File No. N/A

Seal

VINCENT A. JOHNSON
ENGINEER
PROFESSIONAL
PENNSYLVANIA
No.33304-E

Approved By: Date:
Approved By: Date:

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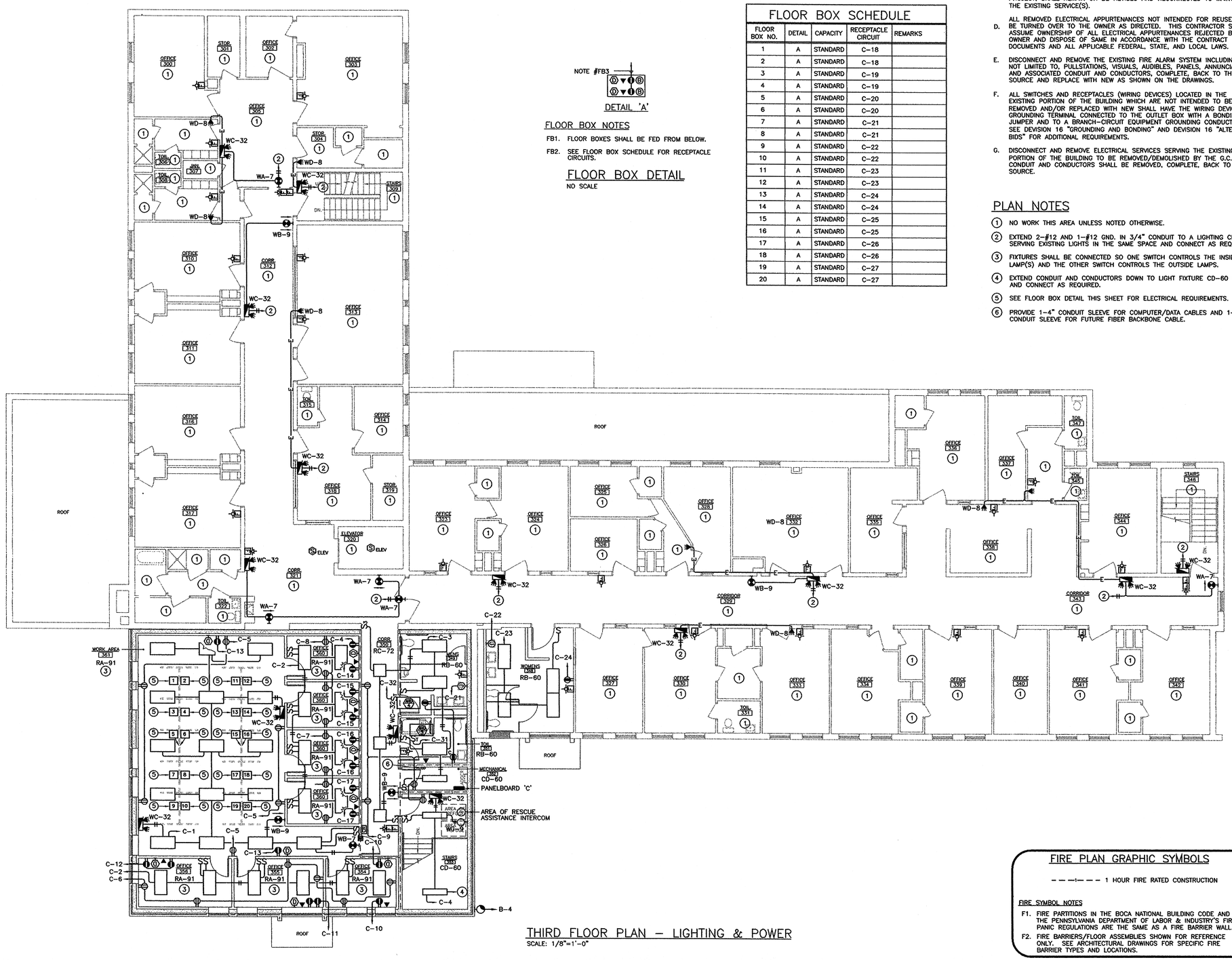
SECOND FLOOR PLAN - LIGHTING & POWER

Drawing No.
E-4

N:\Coc02031\Acad\CD\04 - electric\E-4 first floor plan - lighting & power.dwg



THIRD FLOOR PLAN – LIGHTING & POWER

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

DETAIL 'A'

FLOOR BOX NOTES

FB1. FLOOR BOXES SHALL BE FED FROM BELOW.

FB2. SEE FLOOR BOX SCHEDULE FOR RECEPTACLE CIRCUITS.

FLOOR BOX DETAIL

NO SCALE

FLOOR BOX SCHEDULE

FLOOR BOX NO.	DETAIL	CAPACITY	RECEPTACLE CIRCUIT	REMARKS
1	A	STANDARD	C–18	
2	A	STANDARD	C–18	
3	A	STANDARD	C–19	
4	A	STANDARD	C–19	
5	A	STANDARD	C–20	
6	A	STANDARD	C–20	
7	A	STANDARD	C–21	
8	A	STANDARD	C–21	
9	A	STANDARD	C–22	
10	A	STANDARD	C–22	
11	A	STANDARD	C–23	
12	A	STANDARD	C–23	
13	A	STANDARD	C–24	
14	A	STANDARD	C–24	
15	A	STANDARD	C–25	
16	A	STANDARD	C–25	
17	A	STANDARD	C–26	
18	A	STANDARD	C–26	
19	A	STANDARD	C–27	
20	A	STANDARD	C–27	

GENERAL NOTES

A. VERIFY EXISTING CONDITIONS BEFORE BIDDING.

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C. CONDUIT AND WIRING REQUIRED TO INSURE PROPER OPERATION OF THE EXISTING SYSTEM(S), WHICH IS NOT INTENDED TO BE DISTURBED UNDER THIS PROJECT, SHALL REMAIN OR BE REVISED AND RECONNECTED TO MAINTAIN THE EXISTING SERVICE(S).

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E. DISCONNECT AND REMOVE THE EXISTING FIRE ALARM SYSTEM INCLUDING, BUT NOT LIMITED TO, PULLSTATIONS, VISUALS, AUDIBLES, PANELS, ANNUNCIATORS, AND ASSOCIATED CONDUIT AND CONDUCTORS, COMPLETE, BACK TO THEIR SOURCE AND REPLACE WITH NEW AS SHOWN ON THE DRAWINGS.

F. ALL SWITCHES AND RECEPTACLES (WIRING DEVICES) LOCATED IN THE EXISTING PORTION OF THE BUILDING WHICH ARE NOT INTENDED TO BE REMOVED AND/OR REPLACED WITH NEW SHALL HAVE THE WIRING DEVICE GROUNDING TERMINAL CONNECTED TO THE OUTLET BOX WITH A BONDING JUMPER AND TO A BRANCH–CIRCUIT EQUIPMENT GROUNDING CONDUCTOR. SEE DEVISION 16 "GROUNDING AND BONDING" AND DEVISION 16 "ALTERNATE BIDS" FOR ADDITIONAL REQUIREMENTS.

G. DISCONNECT AND REMOVE ELECTRICAL SERVICES SERVING THE EXISTING PORTION OF THE BUILDING TO BE REMOVED/DEMOLISHED BY THE G.C. CONDUIT AND CONDUCTORS SHALL BE REMOVED, COMPLETE, BACK TO THEIR SOURCE.

PLAN NOTES

1. NO WORK THIS AREA UNLESS NOTED OTHERWISE.
2. EXTEND 2–#12 AND 1–#12 GND. IN 3/4" CONDUIT TO A LIGHTING CIRCUIT SERVING EXISTING LIGHTS IN THE SAME SPACE AND CONNECT AS REQUIRED.
3. FIXTURES SHALL BE CONNECTED SO ONE SWITCH CONTROLS THE INSIDE LAMP(S) AND THE OTHER SWITCH CONTROLS THE OUTSIDE LAMPS.
4. EXTEND CONDUIT AND CONDUCTORS DOWN TO LIGHT FIXTURE CD–60 BELOW AND CONNECT AS REQUIRED.
5. SEE FLOOR BOX DETAIL THIS SHEET FOR ELECTRICAL REQUIREMENTS.
6. PROVIDE 1–4" CONDUIT SLEEVE FOR COMPUTER/DATA CABLES AND 1–4" CONDUIT SLEEVE FOR FUTURE FIBER BACKBONE CABLE.

FIRE PLAN GRAPHIC SYMBOLS

– – –1– – – 1 HOUR FIRE RATED CONSTRUCTION

FIRE SYMBOL NOTES

F1. FIRE PARTITIONS IN THE BOCA NATIONAL BUILDING CODE AND IN THE PENNSYLVANIA DEPARTMENT OF LABOR & INDUSTRY'S FIRE & PANIC REGULATIONS ARE THE SAME AS A FIRE BARRIER WALL.

F2. FIRE BARRIERS/FLOOR ASSEMBLIES SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC FIRE BARRIER TYPES AND LOCATIONS.

Revised Date:

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Scales: AS SHOWN
Dates: SEPTEMBER 5, 2002
Drawn By: MJM/CWH
Checked By: VAJ
Project No. 13202031
File No. N/A

Seal

Seal

Approved By: Date:

Approved By: Date:

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CLARION COUNTY COMMISSIONERS
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AT
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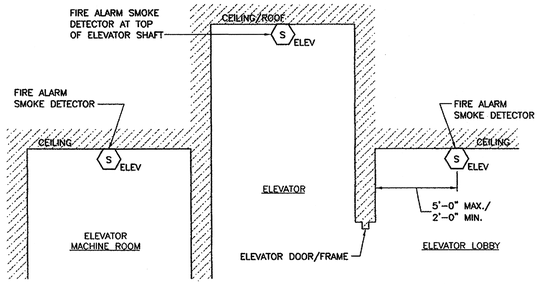
CLARION, PENNSYLVANIA

THIRD FLOOR PLAN - LIGHTING & POWER

Drawing No.
E-5

N:\Coc02031\Acad\CD\04 – electric\E-5 second floor plan – lighting & power.dwg



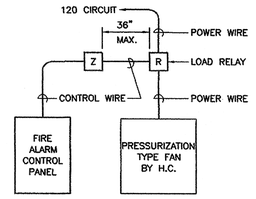
ELEVATOR DETECTOR NOTES

ED1. SMOKE DETECTORS SHALL BE PROVIDED ON EVERY LOBBY FLOOR WHERE THE ELEVATOR EXITS/DISCHARGES. LOBBY DETECTORS SHALL BE MOUNTED ON THE CENTERLINE OF ELEVATOR DOOR.

ED2. ELEVATOR RECALL SHALL COMPLY WITH ASME/ANSI A17.1, PA L&I TITLE 34 CHAPTER 7 PARAGRAPH 33 (9), AND 1999 NFPA 72 CHAPTER 3 PARAGRAPH 8.14.

TYPICAL SMOKE DETECTOR INSTALLATION FOR ELEVATOR RECALL

NO SCALE



PRESSURIZATION FAN NOTES

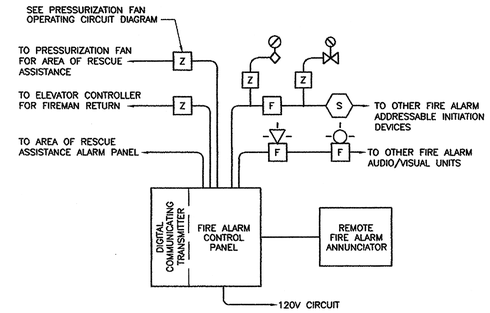
PF1. UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND CIRCUITING SHOWN SHALL BE FURNISHED AND INSTALLED BY E.C.

PF2. ALL STAIRWELL PRESSURIZATION FANS ASSOCIATED WITH THE AREA OF RESCUE ASSISTANCE SHALL OPERATE UPON ALARM ACTIVATION OF ANY MANUAL STATION OR AUTOMATIC DETECTION DEVICE.

PF3. INFORMATION SHOWN ABOVE SHALL BE INCORPORATED INTO THE FIRE ALARM RISER DIAGRAM AS REQUIRED.

TYPICAL PRESSURIZATION FAN OPERATING CIRCUIT DIAGRAM

NO SCALE



FIRE ALARM NOTES

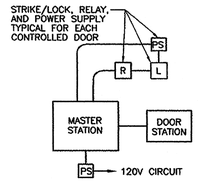
FA1. NUMBER AND SIZE OF CONDUCTORS AND CONDUIT SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER.

FA2. CIRCUITING SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

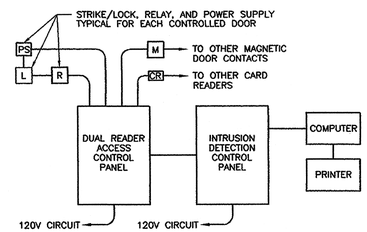
FA3. DEVICES SHOWN ARE TYPICAL. SEE PLANS FOR EXACT QUANTITY AND LOCATION OF DEVICES.

FIRE ALARM RISER DIAGRAM – ADDRESSABLE

NO SCALE



DOOR ENTRY/INTERCOM



SECURITY/ACCESS CONTROL

INTRUSION DETECTION NOTES

ID1. NUMBER AND SIZE OF CONDUCTORS AND CONDUIT SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER.

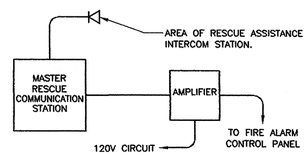
ID2. CIRCUITING SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

ID3. DEVICES SHOWN ARE TYPICAL. SEE PLANS FOR EXACT QUANTITY AND LOCATION OF DEVICES.

ID4. DOOR STRIKE/LOCK PROVIDE BY G.C. AND CONNECTED BY E.C. E.C. SHALL PROVIDE POWER SUPPLY FOR EACH STRIKE/LOCK. POWER SUPPLY SHALL MATCH VOLTAGE OF I.D.S. CONTROL PANEL.

INTRUSION DETECTION SYSTEM RISER DETAILS

NO SCALE



RESCUE ASSISTANCE NOTES

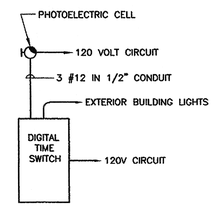
RA1. NUMBER AND SIZE OF CONDUCTORS AND CONDUIT SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER.

RA2. CIRCUITING SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

RA3. DEVICES SHOWN ARE TYPICAL. SEE PLANS FOR EXACT QUANTITY AND LOCATION OF DEVICES.

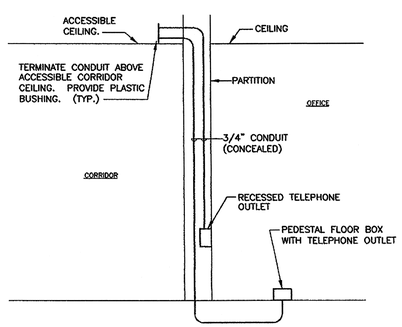
AREA OF RESCUE ASSISTANCE INTERCOM SYSTEM RISER DIAGRAM

NO SCALE



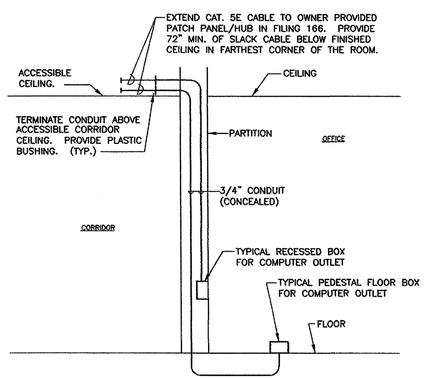
EXTERIOR LIGHTING CONTROL RISER

NO SCALE



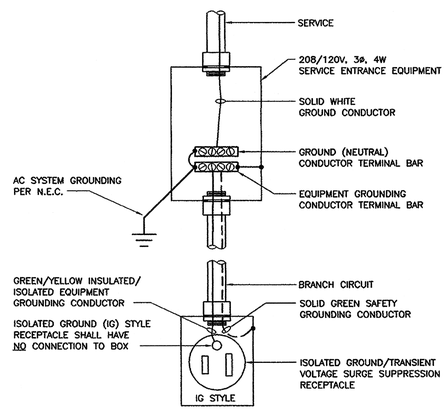
TYPICAL TELEPHONE OUTLET NSTALLATION DETAIL

NO SCALE



TYPICAL COMPUTER/DATA OUTLET INSTALLATION DETAIL

NO SCALE



SERVICE ENTRANCE

ISOLATED GROUND RECEPTACLE NOTES:

R1. PROVIDE AN INSULATED/ISOLATED EQUIPMENT GROUNDING TERMINAL BAR IN EACH PANELBOARD WHERE BRANCH CIRCUITS SERVE AN ISOLATED GROUND (IG) STYLE RECEPTACLE OR WHERE AN INSULATED/ISOLATED EQUIPMENT GROUNDING CONDUCTOR PASSES "THROUGH" THE PANELBOARD.

R2. SEE 2002 N.E.C. ARTICLE 250.146(D) AND THE EXCEPTION TO ARTICLE 408.20 BEFORE PROCEEDING WITH ANY ROUGH-IN WORK.

R3. USE OF AN INSULATED/ISOLATED EQUIPMENT GROUNDING CONDUCTOR DOES NOT RELIEVE THE REQUIREMENT FOR GROUNDING THE RACEWAY SYSTEM AND OUTLET BOX.

TYPICAL CONNECTION OF ISOLATED GROUND (IG) STYLE RECEPTACLE

NO SCALE

Revised Date:

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Scale: AS SHOWN
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ELECTRICAL DETAILS

Drawing No.
E-6

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PANELBOARD 'A' (1)

SERVICE VOLTAGE: 208Y/120V, 3ø, 4W | MAIN BREAKER: 200A | MOUNTING: SURFACE
MINIMUM NO. OF POLES: 54 | BUS CAPACITY: 225A | LOCATION: MECHANICAL 171

NOTES	CKT. NO.	CIRCUIT BREAKER FRAME SIZE	MIN. AIC	NO. POLES	TRIP AMPS	FEEDER OR BRANCH CIRCUIT USE/DESCRIPTION	CONDUCTOR NO.	SIZE	GROUND SAFETY	ISOLATED	CONDUIT NO.	SIZE
(2)	1-3	100	22K	1	20	LIGHTS	2	#12	#12	--	1	3/4"
	4					WASHER						
	5			2	30	DRYER		#10	#10			
	6				50	RANGE		#6				1"
	7			1	20	REFRIGERATOR		#12	#12			3/4"
	8-11					RECEPTACLE						
	12-15					RECEPTACLE				#12		
	16					WATER COOLERS				--		
	17					PATCH PANEL/HUB				#12		
	18-19					HAND DRYER				--		
	20					LIGHTS						
	21-22					RECEPTACLE				#12		
	23-24					RECEPTACLE				--		
	25			2	50	ACCU-2		#6	#10			1"
	26			1	20	AHU-2		#12	#12			3/4"
	27			2		EC-1						
	28			3	50	ACCU-3	4	#6	#10			1 1/4"
	29			2	60	ACCU-4	2	#4	#10			1"
	30-34			1	20	SPARE	--	--	--	--	--	--
	35			2	50	SPARE	--	--	--	--	--	--
	36			3		SPARE	--	--	--	--	--	--
	37-44		--	1	--	P.F.F.B.	--	--	--	--	--	--

PANELBOARD 'B' (1)

SERVICE VOLTAGE: 208Y/120V, 3ø, 4W | MAIN BREAKER: 100A | MOUNTING: SURFACE
MINIMUM NO. OF POLES: 42 | BUS CAPACITY: 100A | LOCATION: MECHANICAL 268

NOTES	CKT. NO.	CIRCUIT BREAKER FRAME SIZE	MIN. AIC	NO. POLES	TRIP AMPS	FEEDER OR BRANCH CIRCUIT USE/DESCRIPTION	CONDUCTOR NO.	SIZE	GROUND SAFETY	ISOLATED	CONDUIT NO.	SIZE
(2)	1-3	100	22K	1	20	LIGHTS	2	#12	#12	--	1	3/4"
(3)	4					EXTERIOR LIGHTS, TIME SWITCH, PHOTOCELL						
	5-10					RECEPTACLE				#12		
	11-19					RECEPTACLE				--		
	20					WATER COOLERS						
	21-22					HAND DRYER						
	23					SECURITY PANEL						
	24			2	60	ACCU-2		#4	#10			1"
	25			1	20	AHU-2		#12	#12			3/4"
	26			2	20	EC-2						
	27-31			1	20	SPARE	--	--	--	--	--	--
	32			2		SPARE	--	--	--	--	--	--
	33-39		--	1	--	P.F.F.B.	--	--	--	--	--	--

PANELBOARD 'C' (1)

SERVICE VOLTAGE: 208Y/120V, 3ø, 4W | MAIN BREAKER: 100A | MOUNTING: SURFACE
MINIMUM NO. OF POLES: 42 | BUS CAPACITY: 100A | LOCATION: MECHANICAL 352

NOTES	CKT. NO.	CIRCUIT BREAKER FRAME SIZE	MIN. AIC	NO. POLES	TRIP AMPS	FEEDER OR BRANCH CIRCUIT USE/DESCRIPTION	CONDUCTOR NO.	SIZE	GROUND SAFETY	ISOLATED	CONDUIT NO.	SIZE
(2)	1-4	100	22K	1	20	LIGHTS	2	#12	#12	--	1	3/4"
	5-9					RECEPTACLE						
	10-20					RECEPTACLE				#12		
	21-22					HAND DRYER				--		
	23					LIGHTS						
	24-25					RECEPTACLE						
(2)	26					PF-1						
	27					SPARE						
	28					EF-1						
	29					EF-2						
	30					SPARE						
	31					AHU-3						
	32					AHU-4						
	33-36					SPARE	--	--	--	--	--	--
	37-42		--		--	P.F.F.B.	--	--	--	--	--	--

PANELBOARD 'K' (1)

SERVICE VOLTAGE: 208Y/120V, 3ø, 4W | MAIN BREAKER: 200A | MOUNTING: SURFACE
MINIMUM NO. OF POLES: 54 | BUS CAPACITY: 225A | LOCATION: FOOD PREP. 136

NOTES	CKT. NO.	CIRCUIT BREAKER FRAME SIZE	MIN. AIC	NO. POLES	TRIP AMPS	FEEDER OR BRANCH CIRCUIT USE/DESCRIPTION	CONDUCTOR NO.	SIZE	GROUND SAFETY	ISOLATED	CONDUIT NO.	SIZE
	1-3	100	22K	1	20	LIGHTS	2	#12	#12	--	1	3/4"
	4-5					RECEPTACLE						
	6					BEVERAGE CABINET				#12		
	7					RECEPTACLE				--		
	8-11					FREEZER						
	12-13					COOLER						
	14					REFRIGERATOR						
	15-16				2	50	RANGE		#6	#10		1"
	17				1	20	RECEPTACLE		#12	#12		3/4"
	18						MICROWAVE					
	19-27						RECEPTACLE					
	28						REFRIGERATOR					
	29-31				2	50	RANGE		#6	#10		1"
	32				1	20	RECEPTACLE		#12	#12		3/4"
	33						RECEPTACLE				#12	
	34				2	30	RTU-1		#10	#10	--	
	35-40				1	20	SPARE	--	--	--	--	--
	41-42				2	50	SPARE	--	--	--	--	--
	43-46		--		1	--	P.F.F.B.	--	--	--	--	--

VOLTAGE DROP SCHEDULE

CONDUCTOR LENGTH	SIZE GROUND	CONDUCTOR	CONDUIT
0 - 100'	# 12	# 12	1/2"
101' - 170'	# 10	# 10	3/4"
171' - 250'	# 10	# 8	3/4"

VOLTAGE DROP NOTE

TO ACCOUNT FOR VOLTAGE DROP, ALL 20A, 120V LIGHTING AND RECEPTACLE CIRCUITS SHALL BE INCREASED AS INDICATED.

*PANEL SCHEDULE NOTES

(1) TO ACCOUNT FOR VOLTAGE DROP, ALL RECEPTACLE AND LIGHTING CIRCUITS SHALL BE INCREASED AS INDICATED IN THE VOLTAGE DROP SCHEDULE.

(2) PROVIDE BREAKER LOCK-ON DEVICE ON BREAKER.

(3) CONNECT CIRCUIT THROUGH DIGITAL TIME SWITCH AS RECOMMENDED BY THE MANUFACTURER.

*NOTE: NOT ALL PANEL SCHEDULE NOTES MAY BE USED.

AIR COOLED CONDENSING UNIT SCHEDULE

UNIT	MFA	MCA	VOLTS	PHASE	DISCONNECT SWITCH	REMARKS
ACCU 1	50	31.9	208	2	60A-2P-2F NEMA 3R	
ACCU 2	60	37.5	208	2	60A-2P-2F NEMA 3R	
ACCU 3	50	39.8	208	3	60A-3P-3F NEMA 3R	
ACCU 4	60	37.5	208	2	60A-2P-2F NEMA 3R	

AIR HANDLING UNIT SCHEDULE

UNIT	HP	VOLTS	PHASE	REMARKS
AHU 1	1/2	120	1	--
AHU 2	1/2	120	1	--
AHU 3	1/2	120	1	--
AHU 4	1/2	120	1	--

ELECTRIC WALL HEATER SCHEDULE

UNIT	KW	VOLTS	PHASE	DISCONNECT SWITCH	REMARKS
EC 1	1.5	208	1	30A-2P-2F NEMA 1	FUSE FOR 20A
EC 2	2	208	1	30A-2P-2F NEMA 1	FUSE FOR 20A

EXHAUST FAN SCHEDULE

UNIT	HP	VOLTS	PHASE	TYPE	CONTROL	REMARKS
EF 1	1/4	120	1	ROOF	N/A	CONTINUOUS
EF 2	1/6	120	1	ROOF	N/A	CONTINUOUS

PRESSURIZATION FAN SCHEDULE

UNIT	HP	VOLTS	PHASE	TYPE	CONTROL	REMARKS
PF 1	1/8	120	1	ROOF	RELAY IN FACP	ACTIVATION UPON MANUAL OR AUTOMATIC FIRE DETECTION

PUMP SCHEDULE

UNIT	HP	VOLTS	PHASE	REMARKS
P 1	3	208	3	DUTY
P 2	3	208	3	STAND-BY
P 3	1/4	120	1	DUTY
P 4	1/4	120	1	STAND-BY

ROOF TOP UNIT SCHEDULE

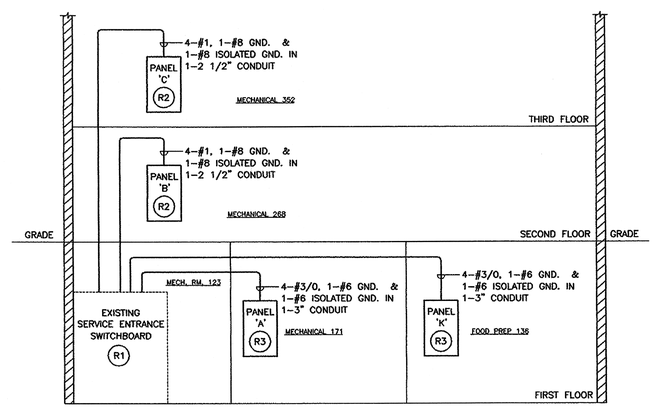
UNIT	MFA	MCA	VOLTS	PHASE	DISCONNECT SWITCH	REMARKS
RTU 1	25	17.4	208	1	30A-2P-2F NEMA 3R	

WATER HEATER UNIT SCHEDULE - ELECTRIC

UNIT	KW	VOLTS	PHASE	FUSE	DISCONNECT SWITCH	REMARKS
WH 1	9	208	3	35	60A-3P-3F NEMA 3R	
WH 2	15	208	3	55	60A-3P-3F NEMA 3R	

WATER PUMP SCHEDULE

UNIT	HP	VOLTS	PHASE	REMARKS
WP 1	1/25	120	1	



ELECTRIC ONE-LINE RISER DIAGRAM

NO SCALE

RISER NOTES

R1 PROVIDE TWO (2) NEW 100A-3P CIRCUIT BREAKERS AND TWO (2) NEW 200A-3P CIRCUIT BREAKERS IN THE EXISTING 208Y/120V 3ø, 4W SERVICE ENTRANCE SWITCHBOARD.

R2 CONNECT PANEL TO NEW 100A-3P CIRCUIT BREAKER IN THE EXISTING SERVICE ENTRANCE SWITCHBOARD PROVIDED UNDER THIS CONTRACT.

R3 CONNECT PANEL TO NEW 200A-3P CIRCUIT BREAKER IN THE EXISTING SERVICE ENTRANCE SWITCHBOARD PROVIDED UNDER THIS CONTRACT.

Revised Date:

NOTE: DO NOT SCALE DRAWINGS
Each Contractor is to verify all existing conditions and dimensions.

Scale: AS SHOWN
Date: SEPTEMBER 5, 2002
Drawn By: MJM/CWH
Checked By: VAJ
Project No. 13202031
File No. N/A

REGISTERED PROFESSIONAL ENGINEER VINCENT A. JOHNSON NO. 33050-E COMMONWEALTH OF PENNSYLVANIA

Seal

Date:
Approved By:

Date:
Approved By:

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CLARION COUNTY COMMISSIONERS
ADDITION AND RENOVATIONS
AT
CLARION COUNTY COURTHOUSE ANNEX
CLARION, PENNSYLVANIA

ELECTRICAL SCHEDULES AND ONE-LINE RISER

Drawing No.
E-7

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