GENERAL NOTES:

1. ALL EXCESS DIRT IS TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF PROPERLY. ANY FILL DIRT REQUIRED IS TO BE PROVIDED BY THE CONTRACTOR. OWNER TO DIRECT CONTRACTOR TO BORROW AREAS.
2. ASPHALT PAVING IS REQUIRED AROUND BUILDING BY MODIFICATION OF SIDEWALK AND CURB MODIFICATIONS AS WELL SITE WORK WITHIN PROJECT LIMITS.
3. ALL GRADES SHALL SLOPE AWAY FROM BUILDING A MINIMUM OF 6" IN TWELVE FEET.
4. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED SOIL (SEE EARTHWORK SPECIFICATION SECTION)
5. CONTRACTOR SHALL VERIFY NEW CONSTRUCTION LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK.
6. AT THE COMPLETION OF CONSTRUCTION, REFORM ALL FINISH GRADE LINES AS REQUIRED TO INSURE GOOD DRAINAGE WITHOUT PUDDLING OR PONDING AREAS. SPREAD EXCESS TOPSOIL AS DIRECTED BY ARCHITECT TO BLEND NEW GRADE INTO EXISTING GRADES.
7. GRADE LINE ELEVATIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR.
8. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS. CONSULT ARCHITECT FOR ANY CONFLICTS.
9. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE DELIVERING OF MATERIALS AND THE WORK OF ALL SUBCONTRACTORS.
10. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING SMOOTH TRANSITIONS BETWEEN FLOORS AT ALL DOORWAYS. ABRUPT CHANGES IN FLOOR FINISHES WILL NOT BE ACCEPTABLE ANY AND ALL WORK SUCH AS BUT NOT LIMITED TO SANDING, FILLING, GRINDING, PATCHING, ETC. AS REQUIRED TO PRODUCE A SMOOTH TRANSITION, WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
11. ALL UL DESIGN NUMBERS ARE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY.
12. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL CODES AND ORDINANCES DURING THE CONSTRUCTION OF THIS PROJECT.
13. THE DESIGN INTENT OF THE CONSTRUCTION DRAWINGS AND PROJECT MANUAL IS TO COMPLY WITH ALL BUILDING CODES OR ORDINANCES THAT HAVE JURISDICTION OVER THIS PROJECT. CONTRACTOR IS TO CONSULT WITH OWNER/ARCHITECT REGARDING ANY PORTIONS OF THE DOCUMENTS THAT DO NOT COMPLY WITH SUCH CODES OR ORDINANCES.
14. OWNERS HAVE EMPLOYED TESTING AGENCIES TO TEST VARIOUS COMPONENTS OF THE EXISTING BUILDING FOR ASBESTOS (RECENTLY 2015 AND IN THE PAST 1995). BASED UPON TESTS PROVIDED TO THE OWNER THE OWNERS HAVE INDICATED THAT THEY HAVE NO REASON TO BELIEVE THAT ASBESTOS IS PRESENT THE THE BUILDING. A COPY OF THESE REPORTS ARE INCLUDED IN THE APPENDIX "A" AND "B" OF THE PROJECT MANUAL. DURING CONSTRUCTION, IF THE CONTRACTOR, SUB-CONTRACTORS, OR ANY WORKER DISCOVERS ASBESTOS IT IS TO BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER IMMEDIATELY.

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR

TRANSYLVANIA COUNTY BOARD OF ELECTION AND WELLNESS CENTER OFFICES

TRANSYLVANIA COUNTY COMMISSIONERS

BREVARD, NORTH CAROLINA

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APPENDIX 'B' - BUILDING CODE SUMMARY

APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS

Name of project: TRANSYLVANIA COUNTY BOARD OF ELECTION OFFICES
Address: 34 EAST MORGAN STREET, BREVARD, NC 28712
Proposed Use: COUNTY ADMINISTATION OFFICES
Owner/Agent: MR. LARRY REECE Phone: 828.553-9239
Owned By: ☒ City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☒ City BREVARD ☒ County TRANSYLVANIA

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM NAME	DESIGNER'S NAME	LICENSE#	TELEPHONE#
Architectural	RICHARD L. WORLEY, AIA	RICHARD L WORLEY	3600	828.891.7389
Civil	NA	NA	NA	NA
Electrical	SIMS GROUP, PA	GUS SIMS	17811	828.251.2025
Fire Alarm	SIMS GROUP, PA	GUS SIMS	17811	828.251.2025
Plumbing	SIMS GROUP, PA	GUS SIMS	14566	828.251.2025
Mechanical	SIMS GROUP, PA	GUS SIMS	14566	828.251.2025
Sprinkler	NA	NA	NA	NA
Structural	MEDLOCK & ASSOC. PA	EDWARD MEDLOCK	25950	828.232.4448
Ret. Walls>5'	NA	NA	NA	NA
Other	NA	NA	NA	NA

YEAR EDITION OF CODE: NC BUILDING CODE 2012
☐ New Construction ☒ Renovation (Existing Bldg) ☐ Upfit ☐ Alteration

BUILDING DATA:
Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☒ III-B ☐ IV ☐ V-A ☐ V-B
Mixed Construction: ☐ No ☐ Yes Types ____
Sprinklers: ☒ No ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes ☐ CLASS I ☐ CLASS II ☐ CLASS III ☐ WET ☐ DRY
Fire District: ☒ No ☐ Yes
Building Height: 25 ft. No. of Stories: 1 ☐ Unlimited per N/A
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Central Reference Sheet # (if provided) N/A
Gross Building Area:

Floor	Existing (Sq.Ft.)	New (Sq.Ft.)	Sub-Total
4th Floor	N/A	N/A	N/A
3rd Floor	N/A	N/A	N/A
2nd Floor	N/A	N/A	N/A
Mezzanine	N/A	N/A	N/A
1st Floor	9,380	1,220	10,600
Basement	N/A	N/A	N/A
TOTAL :	9,380	1,220	10,600

NO INCREASE IN AREA — ALLOWABLE AREA

Primary Occupancy: ☒ Assembly ☐ A-1 ☐ A-2 ☒ A-3 ☐ A-4 ☐ A-5
☒ Business ☐ Educational ☐ Factory-Industrial ☐ F-1 ☐ F-2
☐ High-Hazard ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
☐ Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Use Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile ☐ Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
☐ Storage ☐ S-1 ☐ S-2 ☐ High-piled
☐ Utility and Miscellaneous Parking Garage ☐ Open ☐ Enclosed ☐ Repair

Secondary Occupancy: X

Special Use: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427

Special Provisions: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

Mixed Occupancy: ☐ NO ☒ YES Separation: X Hr. Exception: X

☐ **Incidental Use Separation (508.2.5)**
This separation is not exempt as a Nonseparated Use (see exceptions)

☒ **Non-Separated Mixed Occupancy (508.3.2)**
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ **Separated Mixed Occupancy (508.3.3) - See below for area calculations**
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \le 1.00$$

$$\frac{1875}{9500} + \frac{8725}{19000} + \frac{X}{X} = .65 \le 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER FLOOR (ACTUAL)	(B) TABLE 503[3] AREA	(C) AREA FOR OPEN SPACE INCREASE[1]	(D) AREA FOR SPRINKLER INCREASE[2]	(E) ALLOWABLE AREA OR UNLIMITED[3]	(F) MAXIMUM BUILDING AREA[4]
1	ASSEMBLY A3	1875	9500	N/A	N/A	9500	19000
1	BUSINESS B	8025	19000	N/A	N/A	19000	76000
X	ACCESSORY-STORAGE	700	X	X	X	X	X
X	X	X	X	X	X	X	X

1. Open space area increase from Section 506.2 are computed thus:
   a. Perimeter which front a public way or open space having 20ft min. width = ____X____ (F)
   b. Total Building Perimeter = ____X____ (P)
   c. Ratio (F/P) = ____X____ (F/P)
   d. W=Minimum width of public way = ____X____ (W)
   e. Percentage of frontage increase I_f = 100 (F/P − .025) x W/30 = ____X____ (%)
2. The sprinkler increase per Section 506.3 is as follows:
   a. Multi-story building I_S = 200 percent
   b. Single-story building I_S = 300 percent
3. Unlimited area applicable under conditons of Section 507.
4. Maximum Building Area=total number of stories in the building xE (506.4).
5. The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

ALLOWABLE HEIGHT
PROJECT IS RENOVATION OF INTERIOR AREAS OF AN EXISTING BUILDING WITHOUT ANY ADDITIONS.

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type ____III-B____		Type III-B	602.3
Building Height in Feet	Feet 55	Feet=H+20'= N/A		
Building Height in Stories	Stories 2	Stories+1 = N/A	Stories 1	X

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENTS	FIRE SEPARATION IN (FEET)	RATING REQ'D.	RATING PROVIDED (W/ REDUCTION) *	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETR.	DESIGN # FOR RATED JOINTS
Structural frame, including columns, girders trusses	X	X	X	X	X	X	X
Bearing Walls (NEW)							
Exterior							
North	>30	0	X	X	X	X	X
East	>30	0	X	X	X	X	X
West	>30	0	X	X	X	X	X
South	>30	0	X	X	X	X	X
Interior	X	X	X	X	X	X	X
Non-bearing walls and partitions Exterior (EXIST)							
North	>30	0	X	X	X	X	X
East	>30	0	X	X	X	X	X
West	>30	0	X	X	X	X	X
South	>30	0	X	X	X	X	X
Interior	X	X	X	X	X	X	X
Floor Construction Including support beams and joists	X	X	X	X	X	X	X
Roof Construction Including support beams and joists	X	X	X	X	X	X	X
Shafts - Exit	X	X	X	X	X	X	X
Shafts - Other	X	X	X	X	X	X	X
Corridor Separation	X	1HR	X	X	X	X	X
Occupancy Separation	X	X	X	X	X	X	X
Parrty/Fire Wall Separation	X	X	X	X	X	X	X
Smoke Barrier Separation	X	X	X	X	X	X	X
Tenant Separation	X	X	X	X	X	X	X

NOTE:

* Indicate section number permitting reduction

LIFE SAFETY REQUIREMENTS

Emergency Lighting:	☐ NO	☒ YES
Exit Signs:	☐ NO	☒ YES
Fire Alarm:	☐ NO	☒ YES
Smoke Detection System:	☐ NO	☒ YES
Panic Hardware:	☐ NO	☒ YES

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS

BUILDING ELEMENTS	MINIMUM NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS (1004.1)	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1004.2.4)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
OFFICES	2	2	200	80	38	50
ASSEMBLY	2	2	200	60	25	39
X	X	X	X	X	X	X
X	X	X	X	X	X	X

NOTE: .

EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(a) AREA[1] sq. ft.	(b) AREA PER OCCUPANT (SEC. 1004)	(c) EGRESS WIDTH PER OCCUPANT (SEC. 1005) STAIR	(c) LEVEL	EXIT WIDTH (in.)[2,3,4,5,6] REQUIRED WIDTH (SEC. 1005) (a/b) x c STAIR	LEVEL	ACTUAL WIDTH SHOWN ON PLANS STAIR	LEVEL
OFFICE	8025	100	X	.2	X	18	X	72
ASSEMBLY	1620	7	X	.2	X	53	X	72
STORAGE	700	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X

[1] See Table 1003.2.2.2 to determine whether net or gross area is applicable. See definition "Area Gross" and "Area, Net" (Section 1002)
[2] The sprinkler increase per Section 506.3 is as follows:
c. Multi-story building I_S = 200 percent
c. Single-story building I_S = 300 percent
[3] Min. stairway width (Section 1003.3.3); min. corridor width (Sec. 1004.3.2.2); min. door width (Secton 1003.3.1)
[4] Minimum width of exit passageway (Section 1005.3.3)
[5] The loss of one means of egress shall not reduce the available capacity to less than 50% of the total required (Section 1003.2.3)
[6] Assembly occupancies (Section 1008)

SPECIAL APPROVAL: (Local Jurisdiction, Department of Insurance, SBCCI, ICC, etc., describe below)
SPECIAL1 City of Brevard – Unified Development Ordinance
SPECIAL2
SPECIAL3

ENERGY REQUIREMENTS:

CLIMATE ZONE: ☐ 3 ☒ 4 ☐ 5

METHOD OF COMPLIANCE: Prescriptive ☒ Performance ☐ Energy Cost Budget ☐

Roof/ceiling Assemblies:
Description of assembly: Existing 7-1/2" reinforce concrete roof deck to remain with new R-30 ci rigid insulation installed under new TPO roof membrane. New roof system addition to be constructed of steel structural framing with metal deck with R-30 ci rigid insulation installed under new TPO roof membrane.
U-Value of total assembly: U-0.03
R-Value of insulation: R-30.0
Skylights (U-Value & total area in assembly): Existing skylights to be removed.

Exterior Wall Assemblies:
Description of assembly: Existing exterior masonry walls to have new 3-5/8" stud walls installed w/ R-13 fiberglass batt insulation w. V.B. to warm side w/ 5/8" gyp. bd. New Masonry and Metal Stud partitions to have new 6" stud walls installed with R-19 fiberglass batt insulation w/ VB to warm side w/ 5/8" gyp. bd.
U-Value of total assembly: U-0.054 estimating existing & new construction.
R-Value of insulation: R-13 and R-19 (new fiberglass batt insulation)
Openings (windows, doors w/ glazing): Existing windows to be removed and new insulated storefront windows to be installed with thermally broken frames.
U-Value of glazing assembly: .45
Solar Heat Gain Coefficient: .35
Projection factor: X
Door R-Values: .77
Walls adjacent to unconditioned space: (None)

Walls below grade Assembly:
Description of assembly: Existing Masonry and Plaster wall system.
U-Value of total assembly: N/A
R-Value of insulation: N/A

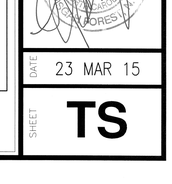
Floors over unconditioned space: (None)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors, slab on grade:
Description of assembly: New concrete slab edge to be insulated with R-15 rigid extruded polystyrene insulation as indicated on wall section details.
U-Value of total assembly: N/A
R-Value of insulation: N/A
Horizontal/Vertical requirement: N/A
Slab heated: No

The design detail and invention of this drawing is the property of Richard L. Worley, AIA Architect and shall not be copied or disclosed without written consent.

RICHARD L. WORLEY
ARCHITECT A.I.A.
4078 HAYWOOD ROAD – MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR
TRANSYLVANIA COUNTY BOARD OF ELECTIONS
TRANSYLVANIA COUNTY, NC



DATE 23 MAR 15

SHEET TS

FILE NAME: RLW98.dwg

DEMOLISH NOTES:

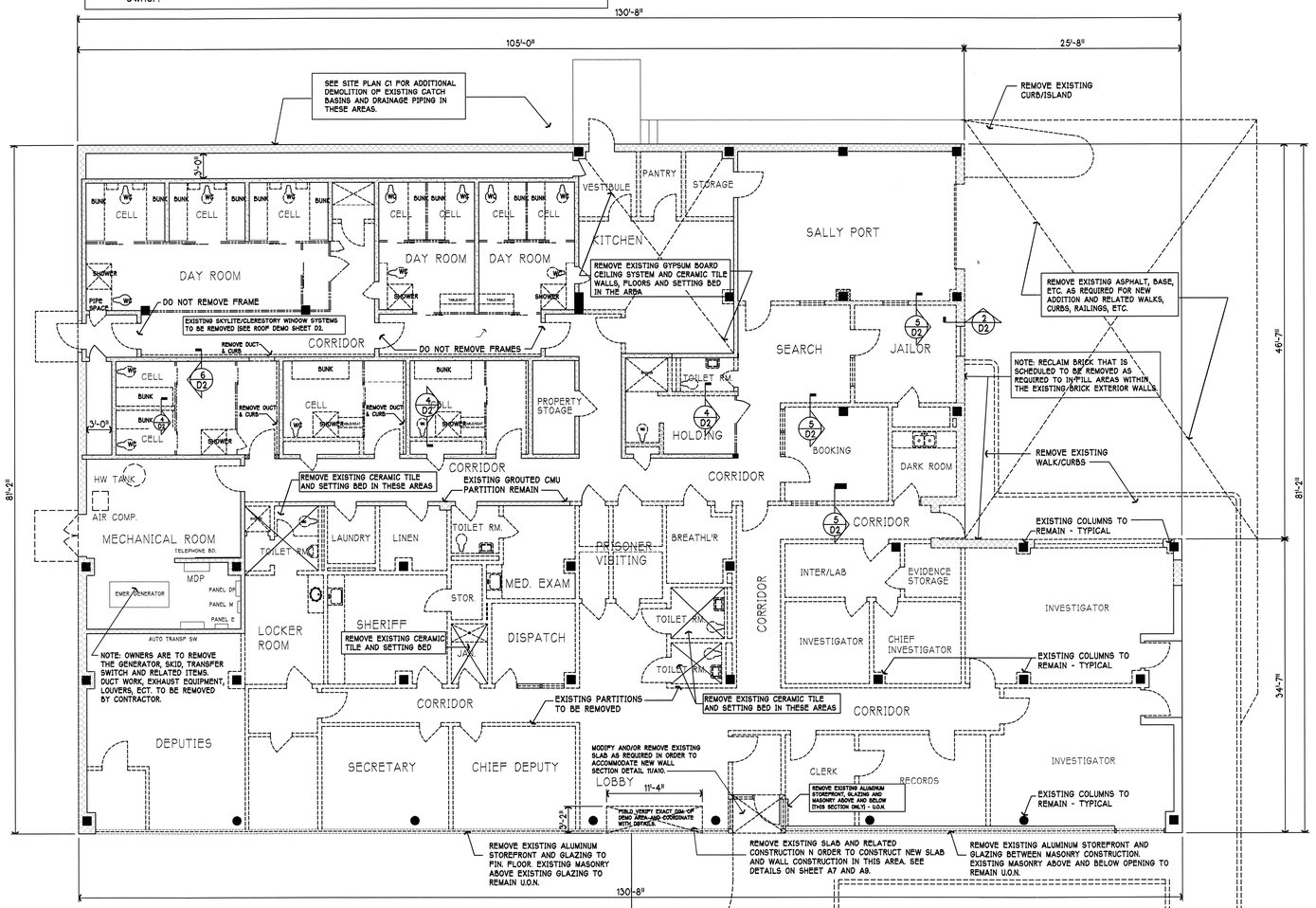
1. REMOVE ALL EXISTING FLOOR BASE UNLESS OTHERWISE NOTED (U.O.N.).
2. REMOVE ALL EXISTING LAYIN GYPSUM BOARD AND ACOUSTICAL CEILING SYSTEMS (U.O.N.).
3. REMOVE ALL EXISTING DUCTWORK AND RELATED HVAC EQUIPMENT. REFER TO PME DRAWINGS.
4. EXISTING CERAMIC TILE FLOORING TO BE REMOVED INCLUDING SETTING BED, IF ANY, AND PATCH FLOOR USING FLOOR TOPPING TO PROVIDE A SMOOTH SURFACE FOR INSTALLATION OF NEW FLOOR FINISH. NEW SUB-SURFACE INSTALLATION TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPROVED BY MANUFACTURER OF FINISH FLOORING.
4. CONTRACTOR TO PATCH, REPAIR, SAND, GRIND, ETC. ALL EXISTING FLOORING SUBSTRATES AS REQUIRED TO ACHIEVE SMOOTH FLOOR SURFACES INCLUDING ALL TRANSITIONS BETWEEN ANY AND ALL DISSIMILAR SUBSTRATES IN ACCORDANCE WITH RECOMMENDATIONS OF FLOOR FINISH MANUFACTURER. ALL SUBSTRATE TO BE PREPARED TO ACCEPT SCHEDULED FLOOR FINISHES AND MAINTAIN FULL MANUFACTURER'S WARRANTY. PROVIDE ALL DEMOLITION REQUIRED TO ACHIEVE THIS INSTALLATION.
5. CONTRACTOR TO PROVIDE SMOOTH TRANSITION ON ALL FLOOR FINISHES IN ALL DOOR OPENINGS AND WHERE EXISTING PARTITIONS HAVE BEEN REMOVED.
6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DEMOLITION WORK WITH NEW PARTITIONS THAT DICTATE THE EXTENT OF DEMOLITION. CONSULT ARCHITECT/OWNER PRIOR TO DEMOLITION TO CONFIRM EXTENT OF DEMOLITION WORK. LAYOUT OF NEW PARTITIONS IS REQUIRED BEFORE PROCEEDING WITH DEMOLITION WORK THAT IS DICTATED BY NEW CONSTRUCTION PARTITIONS REQUIRED TO MATCH AND MEMBER TO ACHIEVE INTENT OF LAYOUTS AND DETAILS.
7. REFER TO PME DEMOLITION PLANS AND NOTES FOR ADDITIONAL DEMOLITION INFORMATION.
8. REFER TO PROJECT MANUAL FOR DEMOLITION AND PROPER DISPOSAL OF DEMOLITION MATERIALS.
9. CONTRACTOR IS RESPONSIBLE FOR REMOVING EXISTING PARTITIONS AS INDICATED ON THE DEMOLITION PLAN AND PATCHING EXISTING FLOORS AS REQUIRED WHERE DEMOLITION HAS DAMAGED AND/OR EXPOSED UNFINISHED CONDITIONS. PARTITIONS CONSIST OF GROUTED AND REINFORCED CMU, REINFORCED CONCRETE, METAL STUDS, ETC. DAMAGED AND/OR EXPOSED CONDITIONS WILL VARY AND PATCHING, REPAIRING AND REMEDIAL WORK WILL ALSO VARY. CONTRACTOR IS RESPONSIBLE FOR FINISHING ALL SURFACES IN ACCORDANCE WITH FINISH SCHEDULE.
10. CONTRACTOR IS TO TAKE EVERY PRECAUTION DURING DEMOLITION TO PROTECT ALL EXISTING MATERIALS THAT ARE TO REMAIN. ANY DAMAGE TO SUCH MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL HOLES THROUGH ALL PARTITIONS PROVIDING SEALED JOINTS AT ALL PME WORK AND ANY OTHER HOLES THAT WERE EXISTING OR CREATED DURING DEMOLITION AND/OR CONSTRUCTION.
12. EXISTING HVAC, ELECTRICAL AND PLUMBING MATERIALS THAT ARE NOT BEING REUSED ARE TO BE REMOVED AND DISPOSED OF PROPERLY. REFER TO PROJECT MANUAL AND PME DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THIS DEMOLITION.
13. GENERAL CONTRACTOR TO REMOVE CONC. BASES, CURBS, SUPPORTS ECT. AT SHOWERS, TOILETS, ETC. THAT ARE SHOWN TO BE REMOVED IN ORDER TO PROVIDE SMOOTH FLOORS FOR NEW FINISHES.
14. REFER TO PROJECT MANUAL DIVISION 1 FOR GENERAL REQUIREMENTS.
15. CONTRACTOR IS TO TAKE EVERY PRECAUTION TO PROTECT EXISTING STRUCTURAL ELEMENTS DURING ALL DEMOLITION AND CONSTRUCTION.
16. CONTRACTOR IS RESPONSIBLE FOR RECLAIMING EXISTING BRICK THAT IS TO BE REMOVED FOR USE IN PATCHING AND REPAIRING OPENINGS THAT ARE FILLED-IN WITHIN THE EXISTING BRICK WALLS (SEE ELEVATIONS).

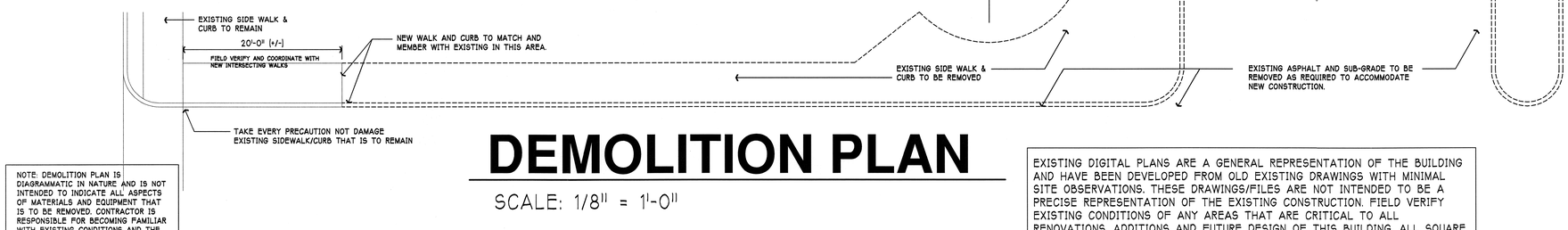
LEGEND

- CAST CONC. PARTITIONS TO BE REMOVED
- CAST CONC. PARTITIONS TO REMAIN
- MTL STUD PARTITIONS TO REMAIN
- CMU PARTITIONS TO REMAIN
- MTL STUD PARTITIONS TO BE REMOVED
- CMU PARTITIONS TO BE REMOVED
- DOOR AND FRAME REMOVED U.O.N.
- CELLS AND/OR CELL DOORS TO BE REMOVED
- MATERIALS TO BE REMOVED
- ALL STRUCTURAL COLUMNS TO REMAIN

Asbestos Reports:

A. The Asbestos Reports provided by the Owner is include in the Project Manual.
B. The Reports appear to indicate that there is no asbestos in the building. The Contractor is cautioned to study the reports and determine the proper course of actions regarding demolition and constructions techniques required for the work on this project.
C. The Contractor is cautioned to contact the Owner immediately if material is uncovered during demolition/renovation that is of a suspicious nature with regard to Asbestos. If additional testing is required such testing will be provided by the Owner.





DEMOLITION PLAN

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

NOTE: DEMOLITION PLAN IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO INDICATE ALL ASPECTS OF MATERIALS AND EQUIPMENT THAT IS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH EXISTING CONDITIONS AND THE FULL SCOPE OF ALL DEMOLITION WORK.

EXISTING DIGITAL PLANS ARE A GENERAL REPRESENTATION OF THE BUILDING AND HAVE BEEN DEVELOPED FROM OLD EXISTING DRAWINGS WITH MINIMAL SITE OBSERVATIONS. THESE DRAWINGS/FILES ARE NOT INTENDED TO BE A PRECISE REPRESENTATION OF THE EXISTING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS OF ANY AREAS THAT ARE CRITICAL TO ALL RENOVATIONS, ADDITIONS AND FUTURE DESIGN OF THIS BUILDING. ALL SQUARE FOOTAGE NUMBERS ARE APPROXIMATE.

The design detail and invention of this drawing is the property of Richard L. Worley, AIA Architect and shall not be copied or disclosed without written consent.

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RICHARD L. WORLEY
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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR
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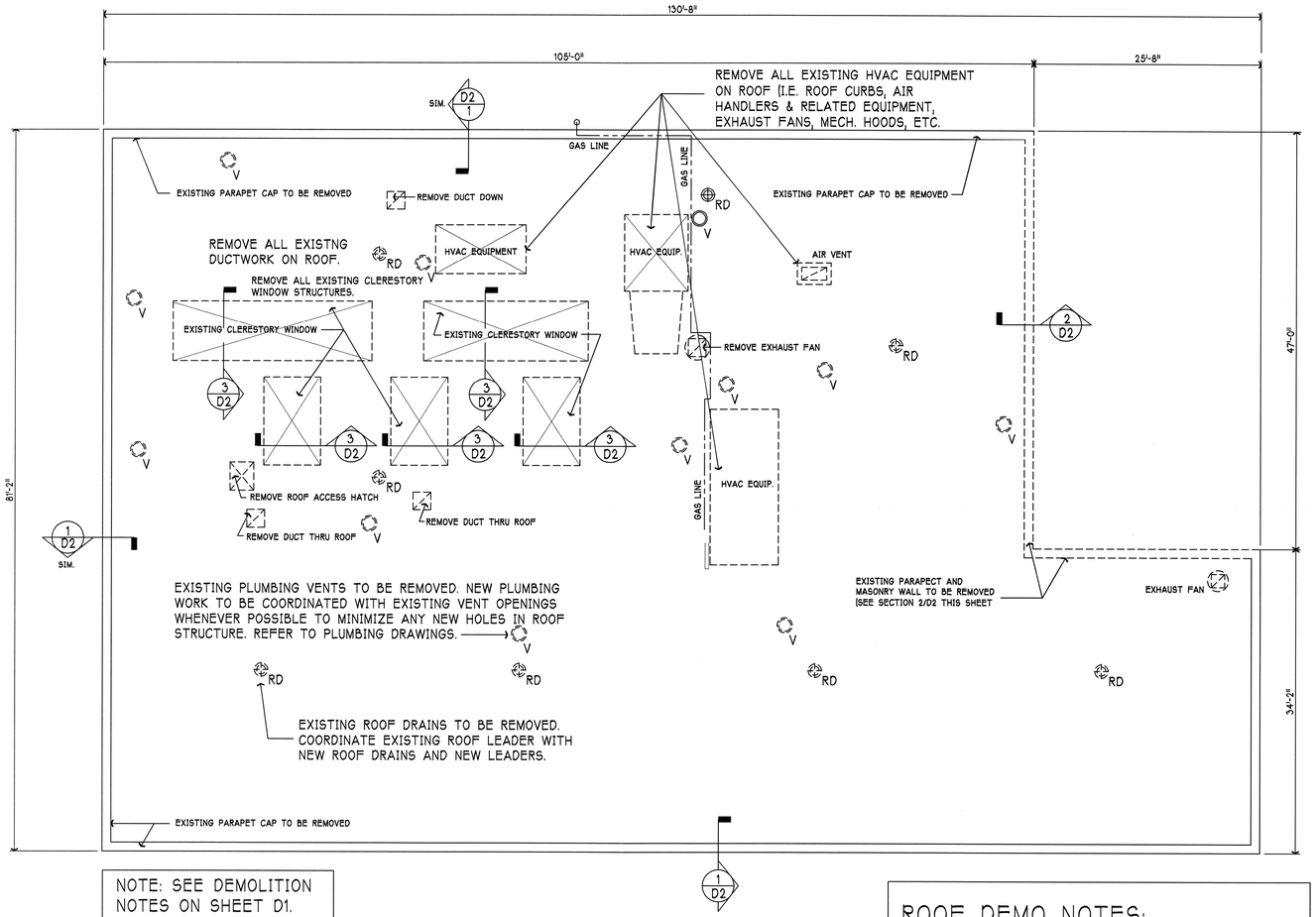
DATE 23 MAR 15

SHEET D1



NOTE: SEE DEMOLITION NOTES ON SHEET D1.

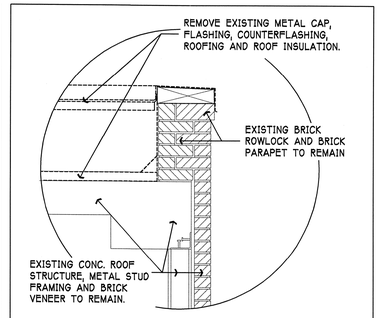
ROOF DEMOLITION PLAN

SCALE: 1/8" = 1'-0" OPENINGS IN ROOF

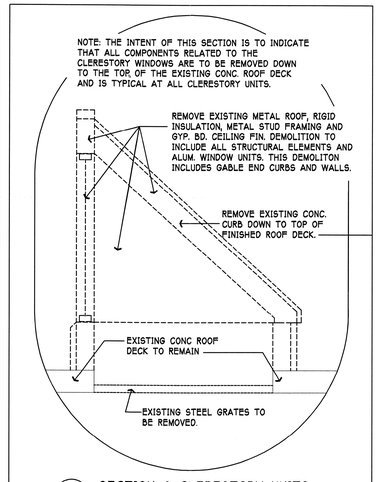
EXISTING DIGITAL PLANS ARE A GENERAL REPRESENTATION OF THE BUILDING AND HAVE BEEN DEVELOPED FROM OLD EXISTING DRAWINGS WITH MINIMAL SITE OBSERVATIONS. THESE DRAWINGS/FILES ARE NOT INTENDED TO BE A PRECISE REPRESENTATION OF THE EXISTING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS OF ANY AREAS THAT ARE CRITICAL TO ALL RENOVATIONS, ADDITIONS AND FUTURE DESIGN OF THIS BUILDING. ALL SQUARE FOOTAGE NUMBERS ARE APPROXIMATE.

ROOF DEMO NOTES:

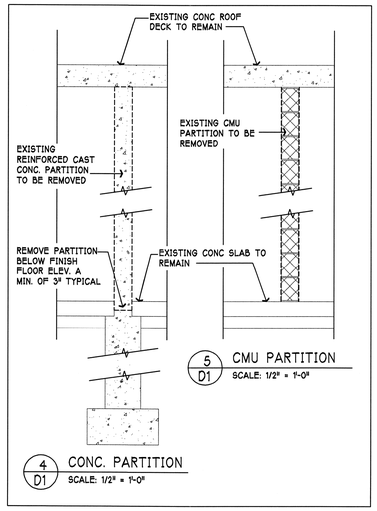
1. EXISTING ROOF DRAINS TO BE REMOVED. COORDINATE EXISTING ROOF LEADER WITH NEW ROOF DRAINS AND NEW LEADERS.
2. EXISTING PLUMBING VENTS TO BE REMOVED. NEW PLUMBING WORK TO BE COORDINATED WITH EXISTING VENT OPENINGS WHENEVER POSSIBLE TO MINIMIZE ANY NEW HOLES IN ROOF STRUCTURE. REFER TO PLUMBING DRAWINGS.
3. REMOVE ALL EXISTNG DUCTWORK ON ROOF.
4. REMOVE ALL EXISTING HVAC EQUIPMENT ON ROOF (I.E. ROOF CURBS, AIR HANDLERS & RELATED EQUIPMENT, EXHAUST FANS, MECH. HOODS, ETC.
5. REMOVE ALL EXISTING CLERESTORY WINDOW STRUCTURES.
6. REMOVE EXISTING ROOF HATCH.
7. REMOVE ALL/OR PORTIONS OF THE EXISTING GAS LINE AS DICTATED BY NEW WORK INDICATED ON THE PME DRAWINGS.
8. ALTHOUGH DUCTWORK ON ROOF IS NOT SHOWN ON THIS PLAN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL DUCTWORK ON THE ROOF AS WELL AS ALL DUCTWORK WITHIN THE BUILDING U.O.N. (SEE MECHANICAL DWGS.).
9. ALL EXISTING PLUMBING EQUIPMENT, PIPING, ETC. TO BE REMOVED U.O.N. (SEE PLUMBING DWGS.
10. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, ETC. TO BE REMOVED U.O.N. (SEE ELETRICAL DWGS.)



1 / D2 SECTION @ PARAPET
SCALE: 3/4" = 1'-0" AT BRICK/METAL STUDS

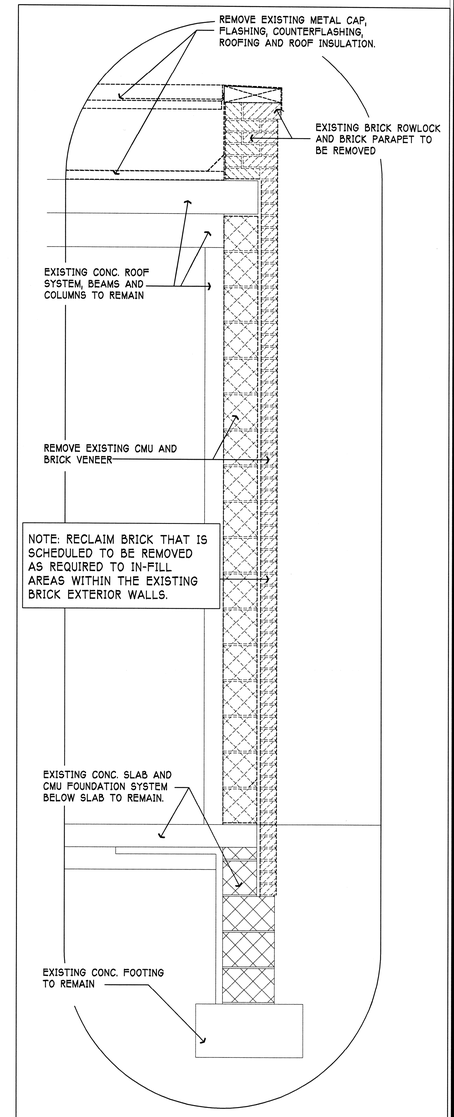


3 / D2 SECTION @ CLERESTORY UNITS
SCALE: 1/2" = 1'-0"

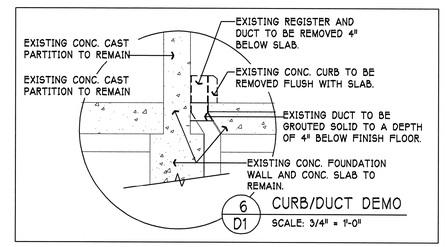


5 / D1 CMU PARTITION
SCALE: 1/2" = 1'-0"

4 / D1 CONC. PARTITION
SCALE: 1/2" = 1'-0"



2 / D1 D2 FULL HEIGHT WALL SECTION
SCALE: 3/4" = 1'-0" AT BRICK/CMU



6 / D1 CURB/DUCT DEMO
SCALE: 3/4" = 1'-0"

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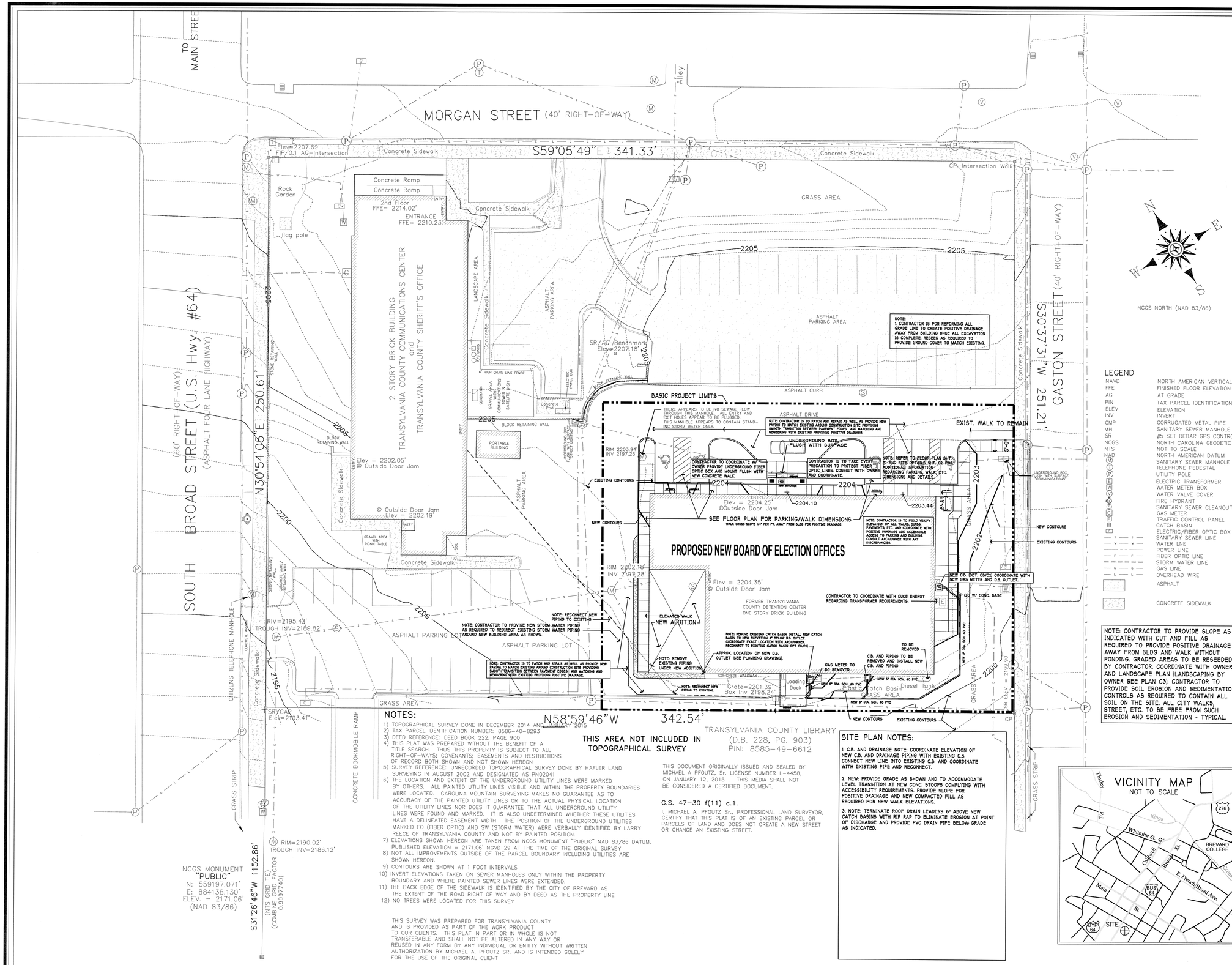
FILE NAME: RLW98.dwg

RICHARD L. WORLEY
ARCHITECT A.I.A.
4078 HAYWOOD ROAD – MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
FOR
TRANSYLVANIA COUNTY BOARD OF ELECTIONS
TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET D2



NOTES:

1) TOPOGRAPHICAL SURVEY DONE IN DECEMBER 2014 AND JANUARY 2015
2) TAX PARCEL IDENTIFICATION NUMBER: 8586-40-8293
3) DEED REFERENCE: DEED BOOK 222, PAGE 900
4) THIS PLAT WAS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH. THUS THIS PROPERTY IS SUBJECT TO ALL RIGHT-OF-WAYS; COVENANTS; EASEMENTS AND RESTRICTIONS OF RECORD BOTH SHOWN AND NOT SHOWN HEREON
5) SURVEY REFERENCE: UNRECORDED TOPOGRAPHICAL SURVEY DONE BY HAFLER LAND SURVEYING IN AUGUST 2002 AND DESIGNATED AS PN02041
6) THE LOCATION AND EXTENT OF THE UNDERGROUND UTILITY LINES WERE MARKED BY OTHERS. ALL PAINTED UTILITY LINES VISIBLE AND WITHIN THE PROPERTY BOUNDARIES WERE LOCATED. CAROLINA MOUNTAIN SURVEYING MAKES NO GUARANTEE AS TO ACCURACY OF THE PAINTED UTILITY LINES OR TO THE ACTUAL PHYSICAL LOCATION OF THE UTILITY LINES NOR DOES IT GUARANTEE THAT ALL UNDERGROUND UTILITY LINES WERE FOUND AND MARKED. IT IS ALSO UNDETERMINED WHETHER THESE UTILITIES HAVE A DELINEATED EASEMENT WIDTH. THE POSITION OF THE UNDERGROUND UTILITIES MARKED FO (FIBER OPTIC) AND SW (STORM WATER) WERE VERBALLY IDENTIFIED BY LARRY REECE OF TRANSYLVANIA COUNTY AND NOT BY PAINTED POSITION.
7) ELEVATIONS SHOWN HEREON ARE TAKEN FROM NCGS MONUMENT "PUBLIC" NAD 83/86 DATUM. PUBLISHED ELEVATION = 2171.06' NGVD 29 AT THE TIME OF THE ORIGINAL SURVEY
8) NOT ALL IMPROVEMENTS OUTSIDE OF THE PARCEL BOUNDARY INCLUDING UTILITIES ARE SHOWN HEREON.
9) CONTOURS ARE SHOWN AT 1 FOOT INTERVALS
10) INVERT ELEVATIONS TAKEN ON SEWER MANHOLES ONLY WITHIN THE PROPERTY BOUNDARY AND WHERE PAINTED SEWER LINES WERE EXTENDED.
11) THE BACK EDGE OF THE SIDEWALK IS IDENTIFIED BY THE CITY OF BREVARD AS THE EXTENT OF THE ROAD RIGHT OF WAY AND BY DEED AS THE PROPERTY LINE
12) NO TREES WERE LOCATED FOR THIS SURVEY

THIS SURVEY WAS PREPARED FOR TRANSYLVANIA COUNTY AND IS PROVIDED AS PART OF THE WORK PRODUCT TO OUR CLIENTS. THIS PLAT IN PART OR IN WHOLE IS NOT TRANSFERABLE AND SHALL NOT BE ALTERED IN ANY WAY OR REUSED IN ANY FORM BY ANY INDIVIDUAL OR ENTITY WITHOUT WRITTEN AUTHORIZATION BY MICHAEL A. PFOUTZ SR. AND IS INTENDED SOLELY FOR THE USE OF THE ORIGINAL CLIENT

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY MICHAEL A PFOUTZ, Sr. LICENSE NUMBER L-4458, ON JANUARY 12, 2015 . THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

G.S. 47-30 f(11) c.1.

I, MICHAEL A. PFOUTZ Sr., PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THIS PLAT IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

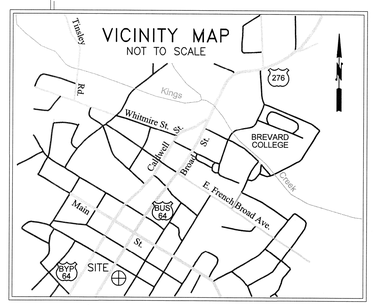
SITE PLAN NOTES:

1. C.B. AND DRAINAGE NOTE: COORDINATE ELEVATION OF NEW C.B. AND DRAINAGE PIPING WITH EXISTING C.B. CONNECT NEW LINE INTO EXISTING C.B. AND COORDINATE WITH EXISTING PIPE AND RECONNECT.

2. NEW: PROVIDE GRADE AS SHOWN AND TO ACCOMMODATE LEVEL TRANSITION AT NEW CONC. STOOPS COMPLYING WITH ACCESSIBILITY REQUIREMENTS. PROVIDE SLOPE FOR POSITIVE DRAINAGE AND NEW COMPACTED FILL AS REQUIRED FOR NEW WALK ELEVATIONS.

3. NOTE: TERMINATE ROOF DRAIN LEADERS 6" ABOVE NEW CATCH BASINS WITH RIP RAP TO ELIMINATE EROSION AT POINT OF DISCHARGE AND PROVIDE PVC DRAIN PIPE BELOW GRADE AS INDICATED.

VICINITY MAP
NOT TO SCALE



LEGEND

NAVD	NORTH AMERICAN VERTICAL DATUM
FFE	FINISHED FLOOR ELEVATION
AG	AT GRADE
PIN	TAX PARCEL IDENTIFICATION NUMBER
ELEV	ELEVATION
INV	INVERT
CMP	CORRUGATED METAL PIPE
MH	SANITARY SEWER MANHOLE
SR	#5 SET REBAR GPS CONTROL
NCGS	NORTH CAROLINA GEODETIC SURVEY
NTS	NOT TO SCALE
NAD	NORTH AMERICAN DATUM
S	SANITARY SEWER MANHOLE
T	TELEPHONE PEDESTAL
P	UTILITY POLE
E	ELECTRIC TRANSFORMER
W	WATER METER BOX
V	WATER VALVE COVER
H	FIRE HYDRANT
C	SANITARY SEWER CLEANOUT
G	GAS METER
TCP	TRAFFIC CONTROL PANEL
CB	CATCH BASIN
EB	ELECTRIC/FIBER OPTIC BOX
S S	SANITARY SEWER LINE
V V	WATER LINE
P P	POWER LINE
F F	FIBER OPTIC LINE
ST ST	STORM WATER LINE
G G	GAS LINE
OHW	OVERHEAD WIRE
	ASPHALT
	CONCRETE SIDEWALK

NOTE: CONTRACTOR TO PROVIDE SLOPE AS INDICATED WITH CUT AND FILL AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG AND WALK WITHOUT PONDING. GRADED AREAS TO BE RESEEDED BY CONTRACTOR. COORDINATE WITH OWNER AND LANDSCAPE PLAN (LANDSCAPING BY OWNER SEE PLAN C3). CONTRACTOR TO PROVIDE SOIL EROSION AND SEDIMENTATION CONTROLS AS REQUIRED TO CONTAIN ALL SOIL ON THE SITE. ALL CITY WALKS, STREET, ETC. TO BE FREE FROM SUCH EROSION AND SEDIMENTATION - TYPICAL.

DRAWING: CMS14115-TOPO
COORD. FILE: CMS14115-TOPO.CRD
PROJECT NUMBER: CMS14115

FIELD RECORDS: DATA COLLECTOR
DATE: JANUARY 12, 2015

GRAPHIC SCALE - FEET 20 0 20 40 60
WRITTEN SCALE: 1"=20'

TOPOGRAPHICAL SURVEY of PROPERTY for OLD DETENTION CENTER and REGISTER of DEEDS and COUNTY TAX ADMINISTRATION
PREPARED FOR
TRANSYLVANIA COUNTY

SITUATE IN
CITY OF BREVARD
BREVARD TOWNSHIP
TRANSYLVANIA COUNTY
NORTH CAROLINA

PREPARED BY
CAROLINA MOUNTAIN SURVEYING
FIRM LICENSE NUMBER #F-1205
137 NORTH BROAD STREET; SUITE 2
BREVARD, NORTH CAROLINA 28712
(828) 883-2670
CMSURVEYING@COMPORIUM.NET

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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
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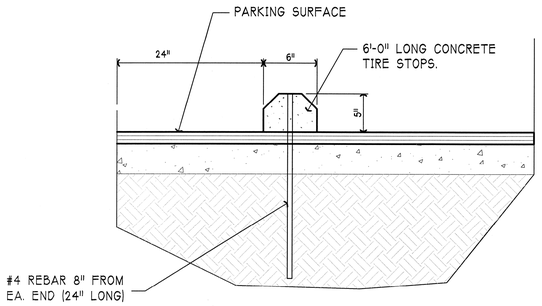
TRANSYLVANIA COUNTY, NC

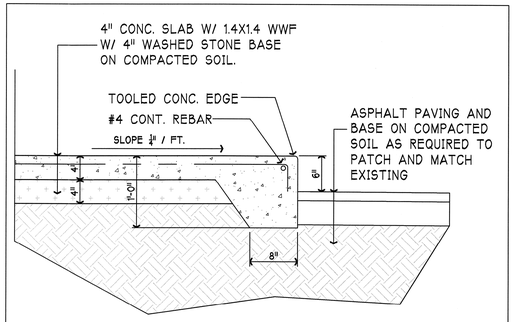
DATE: 23 MAR 15
SHEET: C1

FILE NAME: RLW98.dwg



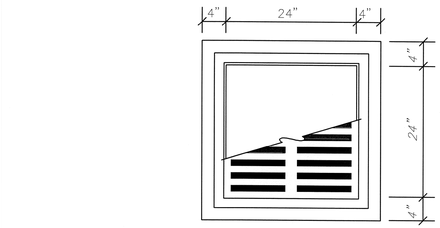
TS / C1 **TIRE STOP/CURB DET.**

N.T.S. K5



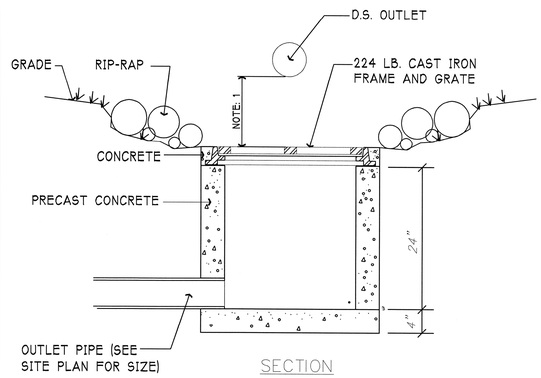
W / C1 **WALK/CURB DETAIL**

SCALE 1" = 1'-0"



PLAN

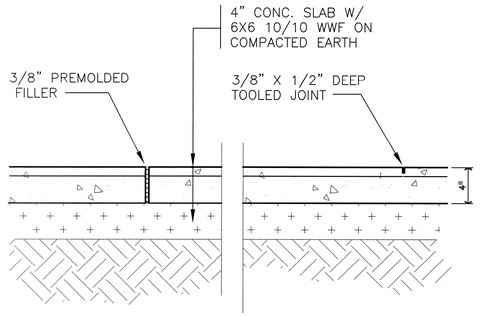
NOTE 1: FIELD VERIFY DIM. AND COORDINATE WITH ARCH/OWNER.



SECTION

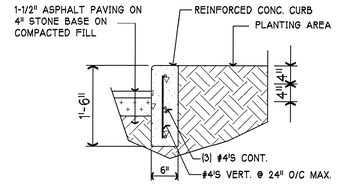
CB / C1 **CATCH BASIN DETAIL**

SCALE 1" = 1'-0"



CONSTR. JT / CONTROL JT

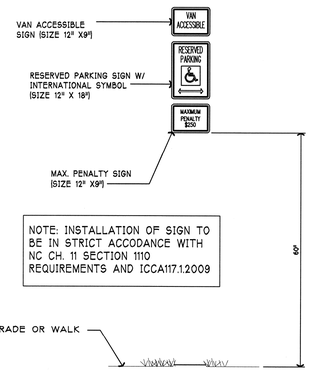
1-1/2" = 1'-0"



SE / C1 **CURB**

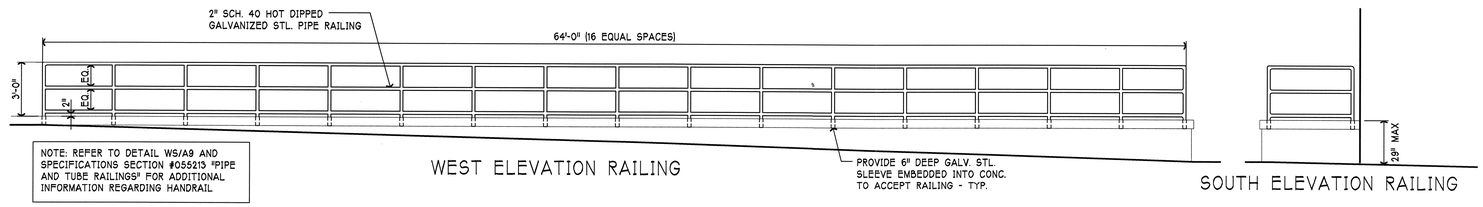
SCALE: 3/4" = 1'-0" TYPICAL

NOTE: SIGNS TO BE INSTALLED ON BUILDING. COORDINATE EXACT LOCATION WITH ARCH/OWNER AND CODE REQUIREMENTS.



H / C2 **HDCP PARKING SIGN**

N.T.S. HSIGN



WEST ELEVATION RAILING

SOUTH ELEVATION RAILING

RAILING ELEVATIONS

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

FILE NAME: RLW98.dwg

RICHARD L. WORLEY
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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
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TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET **C2**

NOTE: LANDSCAPE WORK IS TO BE PROVIDED BY THE OWNERS. THIS DRAWING IS BEING PROVIDE TO ASSIST THE CONTRACTOR IN THE COORDINATION OF THE LANDSCAPE WORK. SCOPE OF LANDSCAPE WORK IS TO INCLUDE TOP SOIL IN THE PLANTING AREAS ONLY TO BRING FINISH GRADE BACK TO NEW GRADE LEVELS THAT ARE THE CONTRACTOR'S RESPONSIBILITY.

CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNERS AND THEIR LANDSCAPE CONTRACTOR TO PROVIDE SOIL EROSION AND SEDIMENTATION PROVISIONS IN ACCORDANCE WITH LOCAL, STATE AND FED. REQUIREMENTS. ANY AND ALL TEMPORARY SEEDING REQUIRED TO MAINTAIN SOIL AND EROSION REQUIREMENTS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

NEW BOARD OF ELECTION/WELLNESS OFFICES

LANDSCAPE PLAN

SCALE: 1" = 10'-0"

SCALE: 1" = 10'-0"

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SHEET C3

FILE NAME: RLW98.dwg

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS

BUILDING ELEMENTS	MINIMUM NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS (1015.2.1)	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1016.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
OFFICES	2	2	200	126	50	70
ASSEMBLY	2	2	200	85	35	50
X	X	X	X	X	X	X
X	X	X	X	X	X	X

NOTE: REFER TO SECTION 1014.2 OF NC BUILDING CODE FOR EGRESS THROUGH INTERVENING SPACES.

EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(a)	(b)	(c)		EXIT WIDTH (in.)2,3,4,5,6			
	AREA[1] sq. ft.	AREA PER OCCUPANT TABLE 1004.1	EGRESS WIDTH PER OCCUPANT SEC. 1005.1		REQUIRED WIDTH (SEC 1003.2.3 (a/b) x c		ACTUAL WIDTH SHOWN ON PLANS	
			STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
OFFICE	8750	100	X	.2	X	18	X	72
ASSEMBLY	1850	7	X	.2	X	53	X	72
X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X

[1] See Table 1003.2.2.2 to determine whether net or gross area is applicable. See definition "Area Gross" and "Area, Net" (Section 1002)

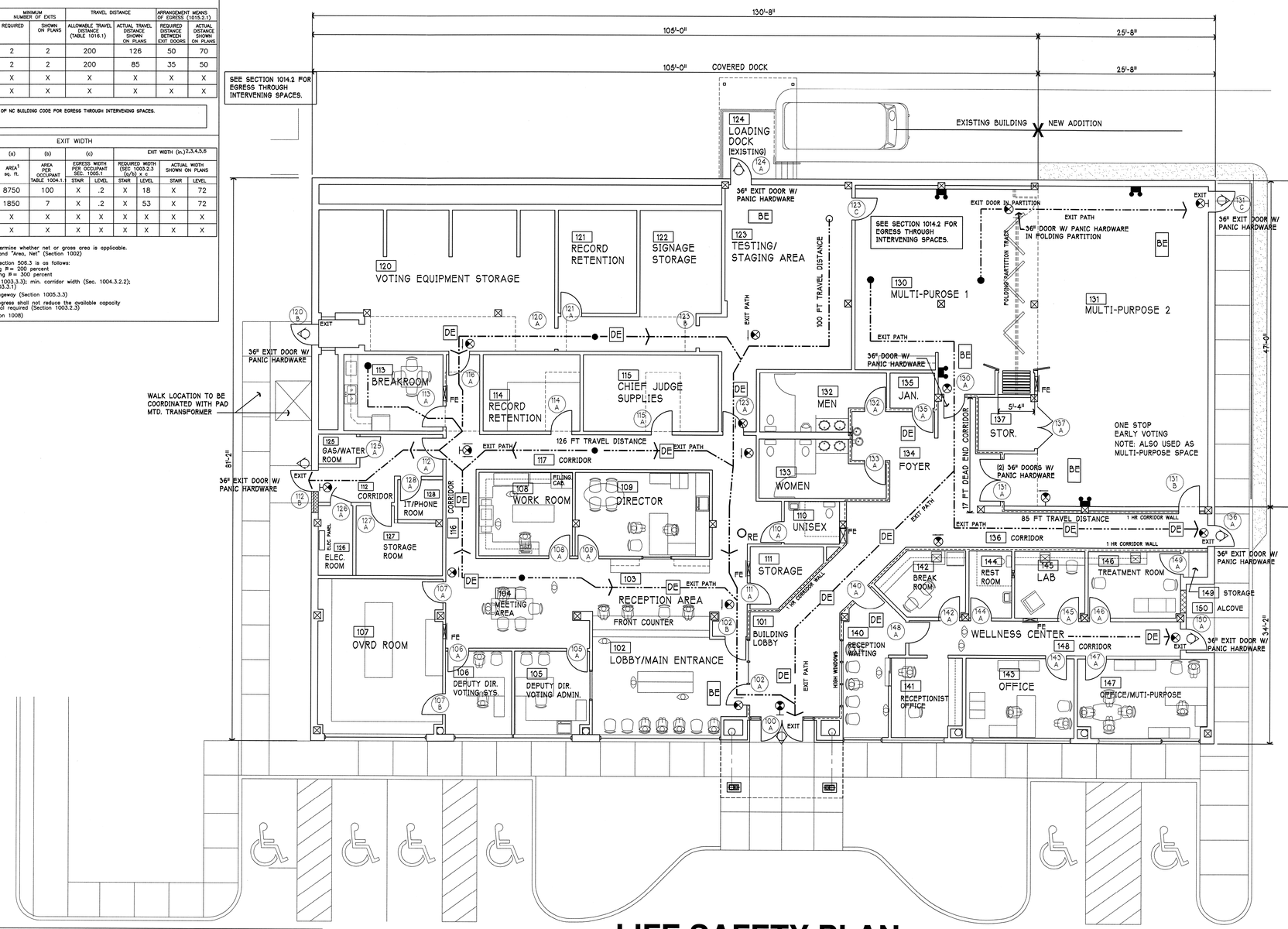
[2] The sprinkler increase per Section 506.3 is as follows:
c. Multi-story building R = 200 percent
c. Single-story building R = 300 percent

[3] Min. stairway width (Section 1003.3.3); min. corridor width (Sec. 1004.3.2.2); min. door width (Section 1003.3.1)

[4] Minimum width of exit passageway (Section 1005.3.3)

[5] The loss of one means of egress shall not reduce the available capacity to less than 50% of the total required (Section 1003.2.3)

[6] Assembly occupancies (Section 1008)



LIFE SAFETY PLAN

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

EXISTING DIGITAL PLANS ARE A GENERAL REPRESENTATION OF THE BUILDING AND HAVE BEEN DEVELOPED FROM OLD EXISTING DRAWINGS WITH MINIMAL SITE OBSERVATIONS. THESE DRAWINGS/FILES ARE NOT INTENDED TO BE A PRECISE REPRESENTATION OF THE EXISTING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS OF ANY AREAS THAT ARE CRITICAL TO ALL RENOVATIONS, ADDITIONS AND FUTURE DESIGN OF THIS BUILDING. ALL SQUARE FOOTAGE NUMBERS ARE APPROXIMATE.

SUMMARY

EXISTING BLDG.	9,380	SF
NEW ADDITION	1,220	SF
TOTAL AREA	10,600	SF
COVERED ENTRIES	710	SF

LIFE SAFETY PLAN GENERAL NOTES:

A. BUILDING DESIGN INCLUDES:

1. PORTABLE FIRE EXTINGUSHERS.
2. FIRE ALARM SYSTEM WITH SMOKE DETECTORS.
3. INTERIOR EMERGENCY LIGHTING
4. EXTERIOR EMERGENCY LIGHTING AT EXIT DOORS.

B. BUILDING OCCUPANCY INCLUDES BUSINESS (B) AND ASSEMBLY (A-3) OCCUPANCIES. OCCUPANCIES ARE CONSIDERED MIX AND ARE NOT SEPARATED.

C. OCCUPANCY LOAD: "A-3" OCC. LOAD OF 230 (7SF/PER) AND "B" OCC. LOAD OF 60 (100 SF/PER).

LIFE SAFETY PLAN LEGEND:

- EGRESS PATH
- EXIT SIGN
- FIRE EXTINGUSHER (FE)
- EMERGENCY LIGHTING
- EXTERIOR EMERG. LIGHTING
- EMERGENCY LIGHTING (DE)
- EMERGENCY LIGHTING (BE)

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SHEET LS

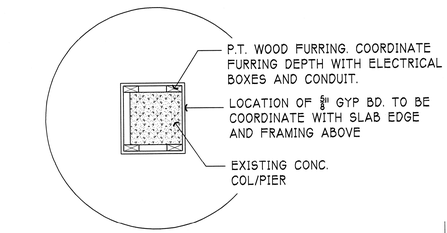
GENERAL NOTE:
1. MOST PARTITIONS ARE LOCATED IN REFERENCE TO EXISTING STRUCTURAL COLUMN AND WALLS THROUGHOUT THE PROJECT. WALL LOCATIONS MAY VERY FROM SOME DIMENSIONS INDICATED. CONTRACTOR IS TO VERIFY EXISTING CONDITIONS AND CONSULT WITH ARCH/OWNER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. CONTRACTOR IS CAUTIONED TO VERIFY ALL DIMENSIONS SHOWN WITH EXISTING BUILDING FEATURES INDICATED. CONSULT ARCHITECT ONCE LAYOUT HAS BEEN VERIFIED PRIOR TO PROCEEDING WITH PARTITIONS CONSTRUCTIONS.
2. CONTRACTOR TO COORDINATE ALL PARTITION LOCATIONS WITH ALL OTHER TRADES. ANY DISCREPANCIES TO BE BROUGHT TO THE ARCHITECT/OWNERS ATTENTION IMMEDIATELY.
3. NOTE: CONTRACTOR TO PATCH, REPAIR, ETC. ALL EXISTING FLOORING SUBSTRATES AS REQUIRED TO ACHIEVE SMOOTH TRANSITION BETWEEN ANY AND ALL DISSIMILAR SUBSTRATES IN ACCORDANCE WITH RECOMMENDATIONS OF FLOOR FINISH MANUFACTURER. ALL SUBSTRATE TO BE PREPARED TO ACCEPT SCHEDULED FLOOR FINISHES AND MAINTAIN FULL MANUFACTURER'S WARRANTY. PROVIDE ALL DEMOLITION REQUIRED.
4. CLEAR DIMENSIONS NOTED ARE CRITICAL AND ARE TO BE USED IN LOCATING PARTITIONS, OPENINGS, ETC. SHOULD ANY CLEAR DIMENSIONS ADVERSELY EFFECT OTHER DIMENSIONS NOTED OR REQUIRED FOR DESIGN INTENT, CONSULT WITH ARCH/OWNER IMMEDIATELY. ALL DIMENSIONS PERTAINING TO ACCESSIBILITY REQUIREMENTS ARE TO BE VERIFIED AND MUST COMPLY WITH CHAPTER 11 OF THE NC BUILDING CODE AND ANSI A117.1-2003.
5. REFER TO FINISH SCHEDULE AND ASSOCIATED NOTES FOR ADDITIONAL INFORMATION PERTAINING TO FINISHES NOT SHOWN ON THIS AND OTHER DRAWING SHEETS.
6. NEW PARTITIONS THAT ARE INDICATED TO MATCH EXISTING BUILDING ELEMENTS ARE TO BE LOCATED IN SUCH A MANNER AS TO CREATE A SMOOTH TRANSITION BETWEEN ADJOINING SURFACES. NO ABRUPT CHANGES WILL BE ACCEPTABLE.
7. IT IS IMPORTANT TO NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR MISC. WD. BLOCKING TO SUPPORT VARIOUS AUDIO/VISUAL COMPONENTS THAT ARE TO BE SUPPLIED BY THE OWNER. SEE PME FOR ADDITIONAL INFORMATION FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE WITH OWNER REGARDING EXACT EQUIPMENT, WEIGHTS, SIZES, ETC.
8. IN-FILL OF EXISTING CONSTRUCTION PARTITIONS IS TO MATCH ADJACENT CONSTRUCTION MATERIALS.

STRUCTURAL NOTES:
1. PRIOR TO REMOVING EXISTING NON-LOAD BEARING AND LOAD BEARING MASONRY WALL SECTION CONTRACTOR IS TO PROVIDE SHORING TO SUPPORT EXISTING STRUCTURAL LOAD AS REQUIRED AND TO CONSTRUCT NEW MASONRY/CONCRETE WALLS WHEN REQUIRED TO SUPPORT NEW STRUCTURAL LINTEL. MINIMUM BEARING OF 8" EACH SIDE OF LINTEL BEARING TO BE GROUTED SOLID FROM BEARING POINT TO CONCRETE SLAB THAT IS SUPPORT TO FOUNDATION SYSTEM.

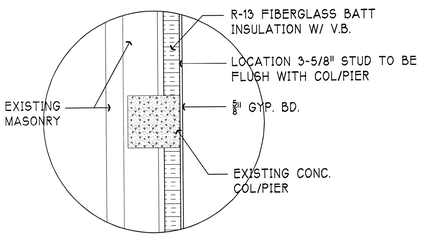
SIGNAGE:
1. PROVIDE SIGNAGE FOR ALL DESIGNATED PERMANENT ROOMS AND SPACES, EXITS, SAFETY DEVICES, MANUAL MECHANISMS, FIRE EXTINGUISHERS, STAIRS, TOILETS, FIRE EVACUATION PLANS -4 EA. [11" X 17" MIN.], ETC. AND MUST COMPLY WITH CHAPTER 11 OF THE NC BUILDING CODE AND ANSI A117.1-2003. OWNER TO PROVIDE FINAL SPACE NAMES DURING SHOP DRAWING REVIEW. ALL SIGN LOCATIONS TO BE VERIFIED WITH BLDG. INSPECTOR BEFORE INSTALLING.

LEGEND (SEE BUILDING AND WALL SECTIONS FOR ADDITIONAL INFORMATION)

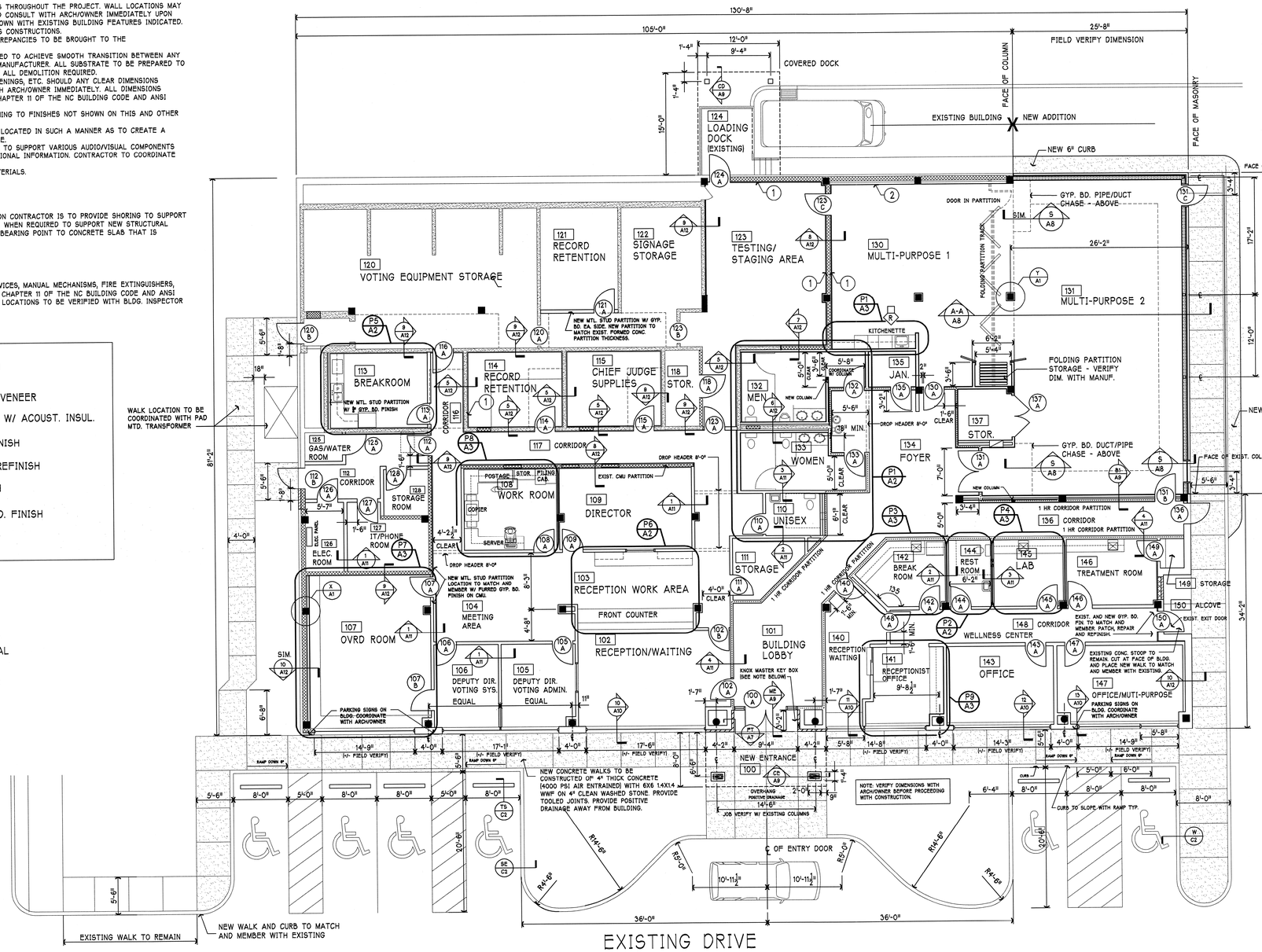
- NEW 6" MTL STUDS W/ GYP. BD. FINISH AND BRICK VENEER
- NEW 3-5/8" (U.O.N. 6") MTL STUD W/ GYP. BD. FINISH W/ ACOUST. INSUL.
- EXISTING CAST CONC. W/ FURRING AND GYP. BD. FINISH
- EXISTING CAST CONC. TO REMAIN - PATCH/REPAIR/REFINISH
- EXISTING CMU TO REMAIN - PATCH/REPAIR/REFINISH
- EXISTING CMU PARTITIONS W/ FURRING AND GYP. BD. FINISH
- ALL STRUCTURAL COLUMNS TO REMAIN



Y / A1 PLAN DETAIL



X / A1 PLAN DETAIL



KNOX BOX NOTE: CITY OF BREVARD REQUIRES A KNOX MASTER KEY AND LOCK BOC AT MAIN ENTRY TO BUILDING. CONTRACTOR TO PROVIDE A RECESSED KNOX-BOX 3200 SERIES W/ HINGED DOOR. AUTHORIZATION ORDER IS AVAILABLE FROM THE CITY OF BREVARD PLANNING DEPARTMENT. CONSULT WITH BREVARD FIRE DEPT. FOR EXACT LOCATION, HEIGHT, ETC. BEFORE INSTALLING.

FLOOR PLAN

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

EXISTING DIGITAL PLANS ARE A GENERAL REPRESENTATION OF THE BUILDING AND HAVE BEEN DEVELOPED FROM OLD EXISTING DRAWINGS WITH MINIMAL SITE OBSERVATIONS. THESE DRAWINGS/FILES ARE NOT INTENDED TO BE A PRECISE REPRESENTATION OF THE EXISTING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS OF ANY AREAS THAT ARE CRITICAL TO ALL RENOVATIONS, ADDITIONS AND FUTURE DESIGN OF THIS BUILDING. ALL SQUARE FOOTAGE NUMBERS ARE APPROXIMATE.

The design detail and invention of this drawing is the property of Richard L. Worley, AIA Architect and shall not be copied or disclosed without written consent.

FILE NAME: RLW98.dwg

RICHARD L. WORLEY
ARCHITECT A.I.A.
4078 HAYWOOD ROAD – MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
FOR
TRANSYLVANIA COUNTY BOARD OF ELECTIONS
TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET A1

FINISH SCHEDULE

SPECIAL NOTES	SPACE NUMBER	SPACE NAME	FLOOR: CARPET 1	FLOOR: MODULAR FLOORING 2	FLOOR: SHEET VINYL 3	FLOOR: CERAMIC TILE 4	FLOOR: 5	FLOOR: EXPOSED CONSTRUCTION 6	FLOOR: EXISTING TO REMAIN 7	FLOOR: EPOXY FINISH 8	BASE: RUBBER (CONT. ROLLS) 1	BASE: 2	BASE: CERAMIC TILE 3	BASE: PRP. (MATCH EXIST) 4	BASE: 5	BASE: NO BASE- EXPOSED CONSTR. 6	BASE: EXISTING TO REMAIN	WALL: PAINTED GYPSUM BD. 1	WALL: 2	WALL: PAINTED CMU/MASONRY 3	WALL: CERAMIC TILE 4	WALL: PRP. (MATCH EXIST) 5	WALL: EXPOSED CONSTRUCTION 6	CLG: PAINTED GYPSUM BD. 1	CLG: ACOUSTICAL LAY-IN TILE 2	CLG: PRP. (MATCH EXIST) 3	CLG: EXPOSED CONSTRUCTION 4	WS'CT 1	WS'CT 2	REMARKS	APPROX. CEILING HEIGHT
X	100	NEW ENTRANCE						6							5								5				4				8'-8"
X	101	BUILDING LOBBY		2							1							1								2						9'-0"
X	102	RECEPTION/WAITING		2							1							1								2						9'-0"
X	103	RECEPTION/WORK AREA	1								1							1								2						9'-0"
X	104	MEETING AREA	1								1							1								2						9'-0"
X	105	DEP. DIR. VOTING ADM.	1								1							1								2						9'-0"
X	106	DEP. DIR. VOTING SYS.	1								1							1								2						9'-0"
X	107	OVRD ROOM	1								1							1								2						9'-0"
X	108	WORK ROOM	1								1							1								2						9'-0"
X	109	DIRECTOR'S OFFICE	1								1							1								2						9'-0"
X	110	UNISEX RESTROOM				4						2						1		3					1							9'-0"
X	111	STORAGE	1								1							1	2													9'-0"
1,2,3	112	CORRIDOR							8		1							1							1		4					11'-5"
X	113	BREAKROOM			3						1							1								2						9'-0"
X	114	RECORD RETENTION	1								1							1								2						9'-0"
X	115	CHIEF JUDGE SUPPLIES	1								1							1								2						9'-0"
X	116	CORRIDOR	1								1							1								2						9'-0"
X	117	CORRIDOR	1								1							1								2						9'-0"
1,2	118	STORAGE							8		1								2		4					2						9'-0"
1,2	120	VOTING EQUIP. STOR.							8		1								2		4					2						9'-0"
1,2	121	RECORD RETENTION							8		1							1	2		4					2						9'-0"
1,2	122	SIGNAGE STORAGE							8		1								2		4					2						9'-0"
1	123	TESTING/STAGING AREA							8		1							1	2		4					2						9'-0"
X	124	LOADING DOCK						6							5								5				4				VARIES
1,2,3	125	GAS/WATER ROOM							8		1							1	2		4					3						11'-5
1,2,3	126	ELECTRICAL ROOM							8		1							1	2		4					3						11'-5
1,2,3	127	IT/PHONE ROOM							8		1							1	2		4					3						11'-5
1,2,3	128	STORAGE ROOM							8		1							1	2		4					3						11'-5
X	130	MULTI-PURPOSE 1		2							1							1							1	2						9'-0"
X	131	MULTI-PURPOSE 2		2							1							1							1	2						12'-0"
X	132	MEN				4						2						1		3					1							9'-0"
X	133	WOMEN				4						2						1		3					1							9'-0"
X	134	FOYER				4						2						1							1	2						9'-0"
X	135	JANITOR			3						1							1								2						9'-0"
X	136	CORRIDOR		2								2						1								2						9'-0"
X	137	STORAGE	1								1							1								2						9'-0"
X	138	PARTITION STORAGE	1								1							1							1							9'-0"
X	140	RECEPTION/WAITING		2							1							1								2						9'-0"
X	141	RECEPTIONIST/OFFICE	1								1							1								2						9'-0"
X	142	BREAKROOM			3						1							1								2						9'-0"
X	143	OFFICE	1								1							1								2						9'-0"
X	144	RESTROOM				4						2						1		3						2						9'-0"
X	145	LAB			3						1							1								2						9'-0"
X	146	TREATMENT ROOM			3						1							1								2						9'-0"
X	147	OFFICE/MULTI-PURPOSE			3						1							1								2						9'-0"
X	148	CORRIDOR			3						1							1								2						9'-0"
X	149	STORAGE			3						1							1								2						9'-0"
X	150	ALCOVE					6				1											5						4				9'-0"

FINISH SCHEDULE "GENERAL NOTES":

1. EXISTING FULL HEIGHT MASONRY EXTERIOR WALLS TO HAVE 3-5/8" MTL. STUDS @ 24" O/C WITH 3-1/2" R-13 FIBERGLASS BATT INSULATION W/ V.B. TO WARM SIDE U.O.N. EXACT LOCATION OF NEW STUD PARTITION TO BE COORDINATED WITH EXISTING CONDITIONS AS INDICATED ON THE FLOOR PLAN AND RELATED DETAILS. CONSULT W/ ARCH/OWNER.

2. ALL INTERIOR MASONRY WALLS THAT ARE INDICATED TO RECEIVE ½" GYPSUM BOARD ON 1-1/2" MTL. FURRING ARE TO RECEIVE 2X6 P.T. BASE & HEAD NAILERS. ANY ADJACENT PARTITIONS THAT ARE EXISTING GYP. BD. AND/OR PLASTER FINISHES THAT ARE SCHEDULED TO REMAIN ARE TO BE PATCHED AND REPAIRED TO MATCH AND MEMBER WITH NEW GYPSUM BOARD FINISHES PROVIDING SMOOTH TRANSITION BETWEEN FINISH SURFACES. RETURN AND FINISHES TO DISSIMILAR MATERIALS ARE TO TERMINATE WITH "J" TRIM THAT WILL IS DESIGNED TO RECEIVE JOINT COMPOUND. PROVIDE ⅛" WIDE CAULK JOINT AROUND PERIMETER OF DISSIMILAR MATERIALS AND GYP. BD. SYSTEM.

3. CONTRACTOR TO PATCH, REPAIR AND REFINISH ALL FLOORS, WALLS AND CEILING THAT ARE SCHEDULED TO REMAIN AS A RESULT OF DEMOLITION, POOR EXISTING CONDITIONS AND/OR REMOVAL OF EXISTING CONSTRUCTION MATERIALS.

4. GENERAL CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL FLOORS TO OBTAIN SMOOTH SURFACES FOR NEW FLOOR FINISHES. CONTRACTOR IS TO OBTAIN SMOOTH TRANSITIONS BETWEEN FLOORS AT ALL DOORWAYS. ABRUPT CHANGES IN FLOOR FINISHES WILL NOT BE ACCEPTABLE. ANY AND ALL WORK SUCH AS BUT NOT LIMITED TO SANDING, FILLING, GRINDING, PATCHING, SELF-LEVELING UNDERLAYMENT, ETC. AS REQUIRED TO PRODUCE A SMOOTH TRANSITION, WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ANY AND ALL MATERIALS USED TO PATCH FLOORING IS TO BE APPROVED BY FINISH FLOOR MANUFACTURERS FOR SCHEDULED FINISHES.

5. CONTRACTOR TO PATCH, REPAIR, SAND, GRIND, ETC. ALL EXISTING FLOORING SUBSTRATES AS REQUIRED TO ACHIEVE SMOOTH TRANSITION BETWEEN ANY AND ALL DISSIMILAR SUBSTRATES IN ACCORDANCE WITH RECOMMENDATIONS OF FLOOR FINISH MANUFACTURER. ALL SUBSTRATE TO BE PREPARED TO ACCEPT SCHEDULED FLOOR FINISHES AND MAINTAIN FULL MANUFACTURER'S WARRANTY. PROVIDE ALL DEMOLITION REQUIRED.

6. WHEN FINISH SCHEDULE INDICATES GYP. BD. WALL FIN. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY AND ALL PURRING TO SUPPORT GYP. BD. WALL FINISHES IF EXISTING FINISH IS NOT TYPICAL STUD FRAMING.

8. EXISTING SPACES THAT ARE TO BE PATCHED, REPAIRED AND/OR REPAINTED REPAIR WORK IS TO INCLUDE DOORS, DOOR JAMBS/FACING, ETC. TYPICAL U.O.N.

9. SEE PROJECT MANUAL SECTION "SHEET CARPETING" #096816 FOR SPECIFIC CARPET TYPES AND SPACE LOCATIONS.

10. ALL EXPOSED GYPSUM FINISHES (WALLS AND CEILINGS) TO BE SMOOTH LEVEL 4 FINISH.

11. CONTRACTOR IS TO PROVIDE SELF-LEVELING UNDERLAYMENT IN ALL CONCRETE FLOOR AREAS THAT ARE DEPRESSED, SLOPED OR DAMAGED TO PROVIDE A SMOOTH LEVEL FLOOR WITH FEATHERED EDGES AS REQUIRED. PRODUCTS SUCH AS USG DUROCK ECO-CAP/ULTRA CAP OR SIMILAR PRODUCT THAT IS SPECIFICALLY DESIGNED FOR APPLICATION. ALL SELF-LEVELING PRODUCTS ARE TO BE APPROVED BY THE MANUFACTURER OF THE UNDERLAYMENT PRODUCT AND THE MANUFACTURER OF THE FLOOR FINISH.

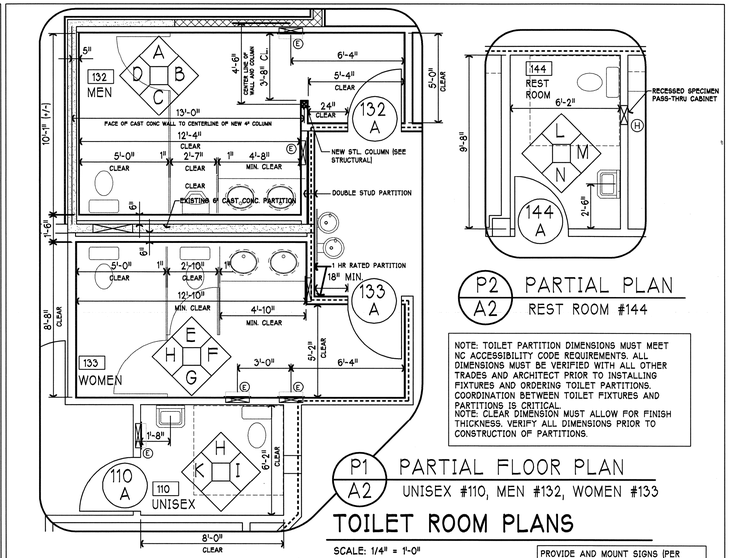
12. SCHEDULED CEILING HEIGHTS ARE TO BE COORDINATED WALL ALL TRADE. ANY CONFLICT WITH SCHEDULED HEIGHTS ARE TO BE BROUGHT TO THE ARCH/OWNER'S ATTENTION IMMEDIATELY.

FINISH SCHEDULE "SPECIAL NOTES":

1. EPOXY COATED FLOOR SYSTEM: EXISTING CONCRETE FLOORS ARE TO BE LEVELED, PATCHED, REPAIRED AS REQUIRED TO PROVIDE A SMOOTH SUBSTRATE FOR THE EPOXY FLOOR FINISH. FLOOR SURFACE MUST HAVE ALL DEBRIS, COATINGS AND/OR FOREIGN MATERIALS STRIPPED. SURFACE MUST BE PREPARED IN STRICT ACCORDANCE WITH GENERAL POLYMERS GUIDELINES FOR CONCRETE SURFACE PREPARATION. INSTALL SW/GENERAL POLYMERS EPOXY WATER EMULSION PRIMER/SEALER #3477 IN STRICT ACCORDANCE WITH MANUFACTURER'S APPLICATION INSTRUCTIONS. APPLY 2 COATS OF SW/GENERAL POLYMERS HIGH PERFORMANCE CR EPOXY #3744 IN STRICT ACCORDANCE WITH MANUFACTURER'S APPLICATION INSTRUCTIONS.

2. ALL CONCRETE AND/OR CMU WALLS THAT ARE TO BE EXPOSED ARE TO HAVE ALL FASTENERS, PLATES, EQUIPMENT, ETC. REMOVED PROVIDING A CLEAN SURFACE IN WHICH TO PATCH, REPAIR AND REPLICATE THE SMOOTH CONCRETE SURFACE. HOLES, DIMPLES, CRACKS, ETC. ARE TO BE PATCHED AND REFINISHED TO MATCH EXISTING BEFORE REPAINTING. SEE PAINTING REQUIREMENTS IN PROJECT MANUAL.

3. CONCRETE CEILINGS ARE TO HAVE ALL FASTENERS,PLATES, EQUIPMENT, ETC. REMOVED PROVIDING A CLEAN SURFACE IN WHICH TO PATCH, REPAIR AND REPLICATE THE SMOOTH CONCRETE SURFACE. HOLES, DIMPLES, CRACKS, ETC. ARE TO BE PATCHED AND REFINISHED TO MATCH EXISTING BEFORE REPAINTING. SEE PAINTING REQUIREMENTS IN PROJECT MANUAL.



P1 / A2 PARTIAL FLOOR PLAN
UNISEX #110, MEN #132, WOMEN #133

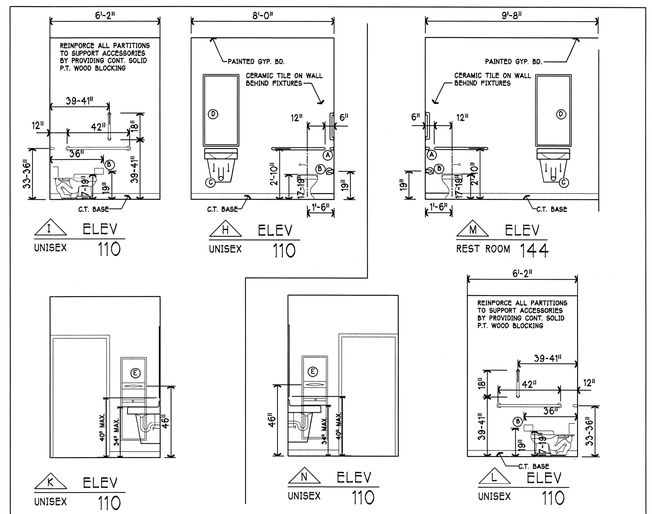
P2 / A2 PARTIAL PLAN
REST ROOM #144

NOTE: TOILET PARTITION DIMENSIONS MUST MEET NC ACCESSIBILITY CODE REQUIREMENTS. ALL DIMENSIONS MUST BE VERIFIED WITH ALL OTHER TRADES AND ARCHITECT PRIOR TO INSTALLING FIXTURES AND ORDERING TOILET PARTITIONS. COORDINATION BETWEEN TOILET FIXTURES AND PARTITIONS IS CRITICAL.
NOTE: CLEAR DIMENSION MUST ALLOW FOR FINISH THICKNESS. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OF PARTITIONS.

TOILET ROOM PLANS

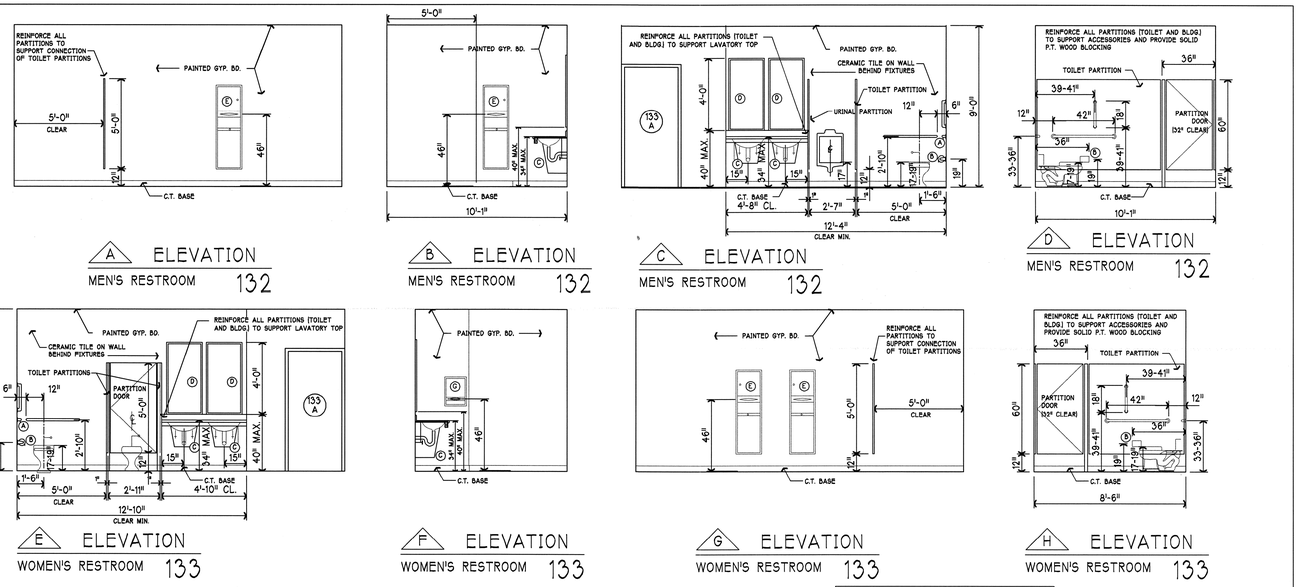
SCALE: 1/4" = 1'-0"

PROVIDE AND MOUNT SIGNS (PER SECTION #1110 "SIGNAGE" OF NC BLDG CODE AND ANSI A117.1



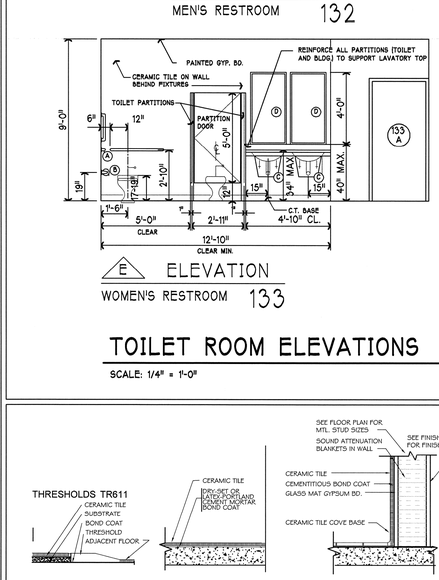
TOILET ROOM ELEVATIONS

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



TOILET ROOM ELEVATIONS

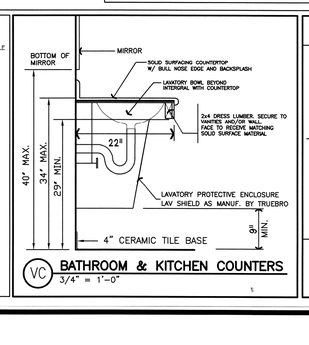
SCALE: 1/4" = 1'-0"



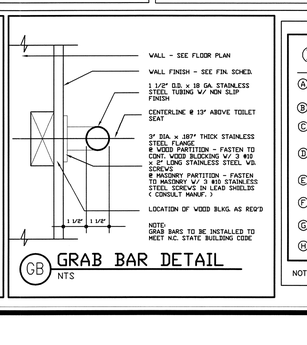
CONTRACTOR TO COORDINATE FLOOR LEVELS WITH DISSIMILAR MATERIAL TO MEET ACCESSIBILITY REQUIREMENTS DURING SHOP DRAWING PHASE. CONSULT WITH ARCH/OWNER WITH ANY CONFLICTS BEFORE PROCEEDING.

SEE SPECIFICATION SECTION 093000 "CERAMIC TILING" FOR ADDITIONAL INFORMATION.

CT CERAMIC TILE DETAILS
N.T.S.



VC BATHROOM & KITCHEN COUNTERS
3/4" = 1'-0"



GB GRAB BAR DETAIL
NTS

(X) LETTERED NOTE SYMBOLS REFER TO ACCESSORIES SHOWN ON INTERIOR ELEVATIONS

- (A) GRAB BAR #3800-P SERIES AS MANUF. BY ASI W/ NON-SLIP SURFACE INSTALLATION TO BE IN STRICT ACCORDANCE W/ HC CODE.
- (B) #0710 TOILET PAPER HOLDER AS MANUF. BY ASI.
- (C) LAV PROTECTIVE ENCLOSURE LAV SHIELD AS MANUFACTURED BY TRUEBRO
- (D) #062 STAINLESS STEEL CHANNEL FRAMED MIRROR AS MANUF. BY ASI, 24" x 48"
- (E) #0469 COMB. PAPER TOWEL DISPENSER & WASTE DISPOSAL AS MANUF. BY ASI.
- (F) BASIN GUARD PROTECTIVE ENCLOSURE AS MANUF BY TRUEBRO COORDINATE WITH ALL CODE REQUIREMENTS.
- (G) #0457 PAPER TOWEL DISPENSER AS MANUF. BY ASI.
- (H) #8154 RECESSED SPECIMEN PASS-THRU CABINET AS MANUF. BY ASI.

NOTE: (F) BASIN GUARD USED UNDER SINKS SHOWN ON CASEWORK SHT. A3

The design detail and invention of this drawing is the property of Richard L. Worley, AIA Architect and shall not be copied or disclosed without written consent.

NOTE: PROVIDE GRAB BAR CONFIGURATION THAT IS COORDINATED WITH ALL COMPONENTS. SECURE HANDRAILS TO WALLS BY PROVIDING BLOCKING AND FASTENERS AS REQUIRED AT ALL GRAB BARS WITH ATTACHMENT CAPABLE OF SUPPORT 250 POUNDS IN ACCORDANCE NC BLDG. CODE SEC. 1607.7.2

REINFORCE ALL BLDG. PARTITIONS TO FULLY SUPPORT ALL TOILET PARTITIONS

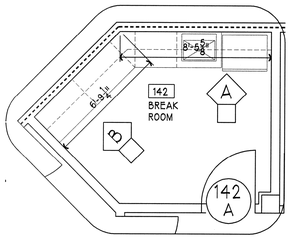
RICHARD L. WORLEY
ARCHITECT A.I.A.
4078 HAYWOOD ROAD – MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
FOR
TRANSYLVANIA COUNTY BOARD OF ELECTIONS
TRANSYLVANIA COUNTY, NC

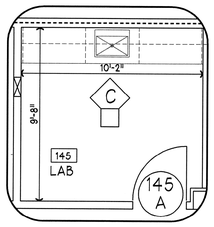
DATE 23 MAR 15

SHEET A2

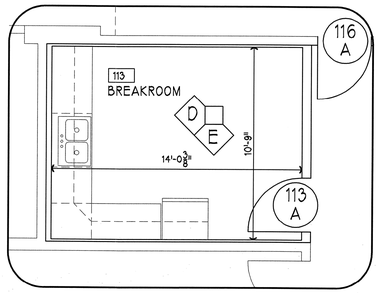
FILE NAME: RLW98.dwg



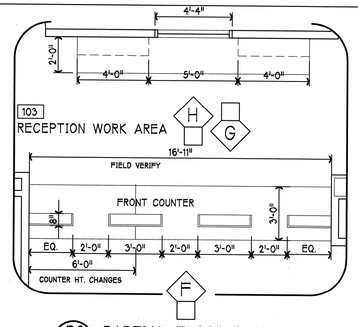
P3 / A1 PARTIAL FLOOR PLAN
BREAK ROOM #142



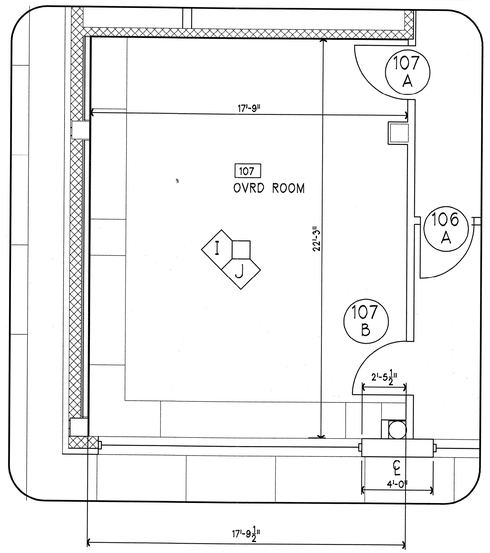
P4 / A1 PARTIAL FLOOR PLAN
LAB #145



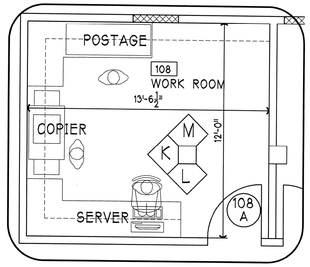
P5 / A1 PARTIAL FLOOR PLAN
BREAKROOM #113



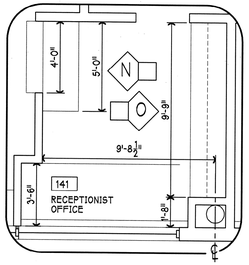
P6 / A1 PARTIAL FLOOR PLAN
RECEPTION WORK AREA #103



P7 / A1 PARTIAL FLOOR PLAN
OVRD ROOM #107

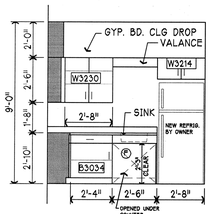


P8 / A1 PARTIAL FLOOR PLAN
WORK ROOM #108

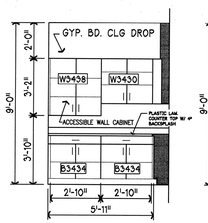


P9 / A1 PARTIAL FLOOR PLAN
RECEPTIONIST OFFICE #141

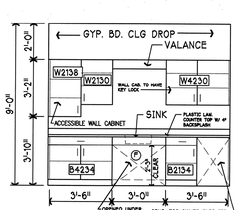
NOTE: ALL ROOM DIMENSIONS SHOWN ARE APPROXIMATE. AND ARE TO BE FIELD VERIFIED AND COORDINATED WITH ELEVATIONS. INFORM ARCH/OWNER OF ANY AND ALL DISCREPANCIES.



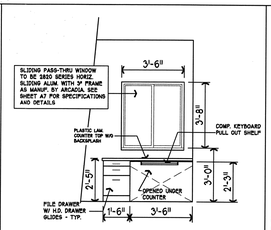
A ELEVATION
BREAK ROOM 142



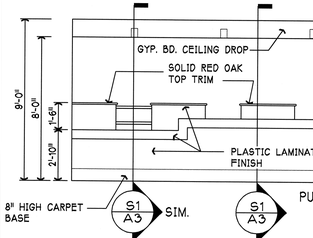
B ELEVATION
BREAK ROOM 142



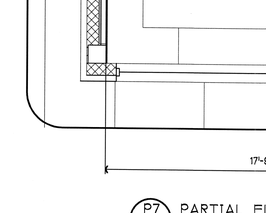
C ELEVATION
LAB 145



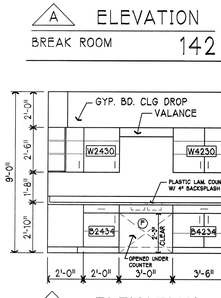
N ELEVATION
RECEPTION OFFICE 141



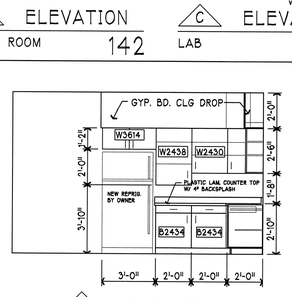
F ELEVATION
RECEPTION 103



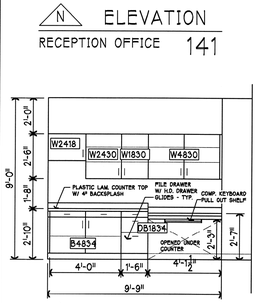
J ELEVATION
OVRD ROOM 107



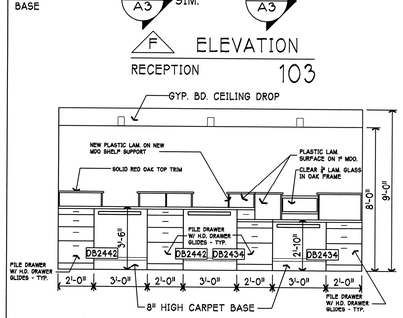
D ELEVATION
BREAK ROOM 113



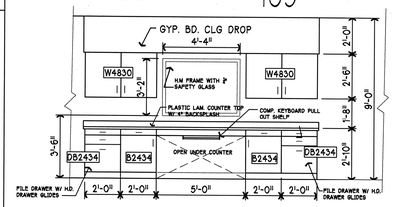
E ELEVATION
BREAK ROOM 113



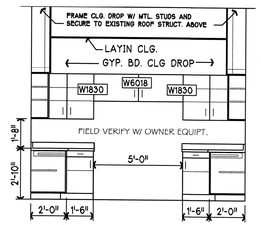
O ELEVATION
RECEPTION OFFICE 141



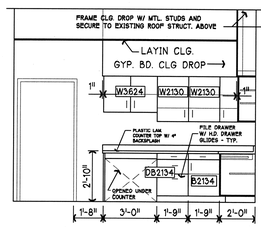
G ELEVATION
RECEPTION 103



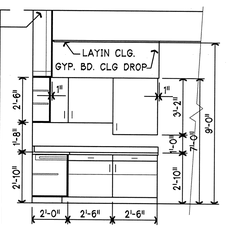
H ELEVATION
RECEPTION 103



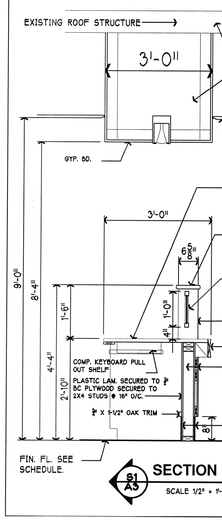
K ELEVATION
WORK ROOM 108



L ELEVATION
WORK ROOM 108

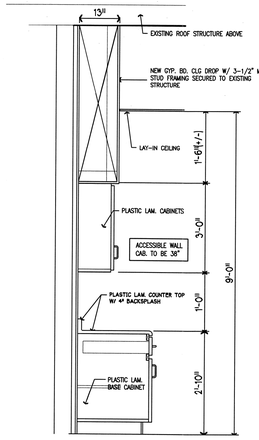


M ELEVATION
WORK ROOM 108



S1 / A3 SECTION
SCALE: 1/2" = 1'-0"

NOTE: COUNTERTOP HEIGHT AT ACCESSIBLE COUNTER SECTION TO BE 34" FROM FIN. FL. IN LIEU OF 42" INDICATED IN THIS SECTION.



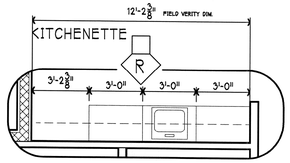
CS / A3 TYPICAL CASEWORK SECTION
SCALE: 1/2" = 1'-0"

CASEWORK NOTES:

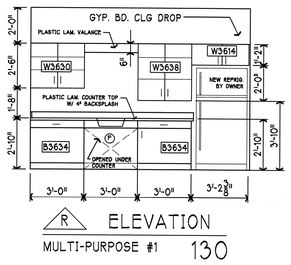
1. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS INDICATING ALL CASEWORK COMPONENTS. SHOP DRAWINGS TO INCLUDE BUT IS NOT LIMITED TO ALL DIMENSIONS, LOCATION OF ANY SPLICES, FASTENERS, HARDWARE, FINISHES, DRAWERS, DOORS, COMPUTER SHELVES, LOCATION OF PLASTIC LAM. SEALS, ETC. FOR FINAL APPROVAL BEFORE PROCEEDING WITH FABRICATION. SAMPLE OF CABINET IS TO DELIVERED TO PROJECT SITE FOR APPROVAL.
2. PROVIDE 3/4" THICK MD. INT PLASTIC LAMINATE FINISH COMPUTER KEYBOARD SHELF W/ HEAVY DUTY BALL BEARING SLIDE TO SUPPORT A MIN. OF 75 LBS.

SUBMIT MANUFACTURER'S DATA FOR APPROVAL.

3. NOTE: DIMENSIONS WITH RESPECT TO ACCESSIBILITY ARE CRITICAL. CONTRACTOR TO FIELD VERIFY ROOM DIMENSIONS AND CONSULT WITH ARCH/OWNER WITH DISCREPANCIES.
4. SEE ACCESSORY SCHEDULE ON SHEET A3 FOR UNDERSINK BASIN GUARD.



P1 / A1 PARTIAL FLOOR PLAN
MULTI-PURPOSE #1



R ELEVATION
MULTI-PURPOSE #1 130

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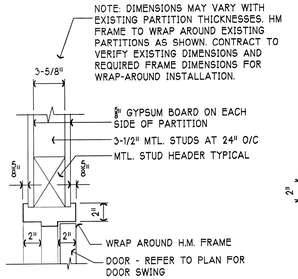
FILE NAME: RLW98.dwg

RICHARD L. WORLEY
ARCHITECT A.I.A.
4078 HAYWOOD ROAD – MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
FOR
TRANSYLVANIA COUNTY BOARD OF ELECTIONS
TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET A3



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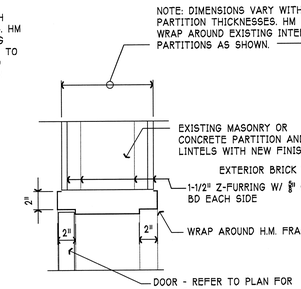

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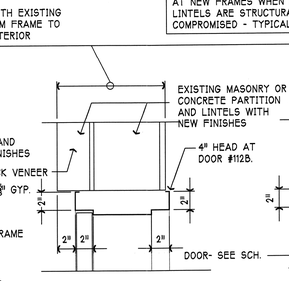

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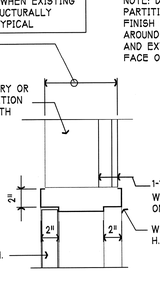

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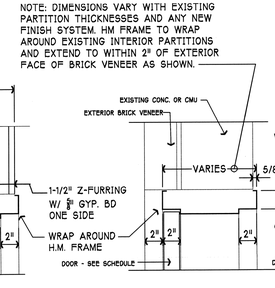

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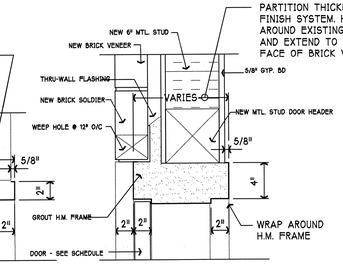
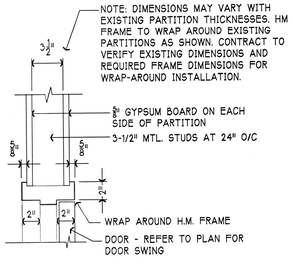


F

HEAD DETAILS

NOTE: SEE GENERAL AND SPECIAL NOTES ON DOOR SCHEDULE



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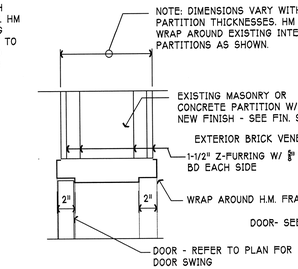

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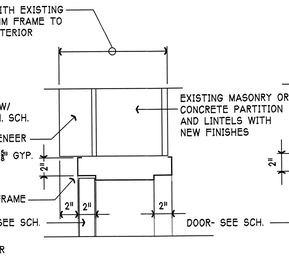

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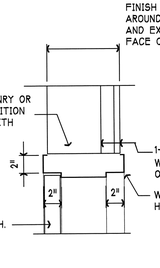

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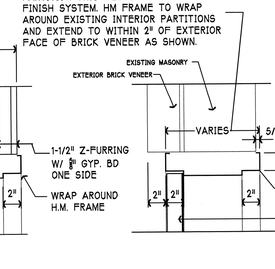

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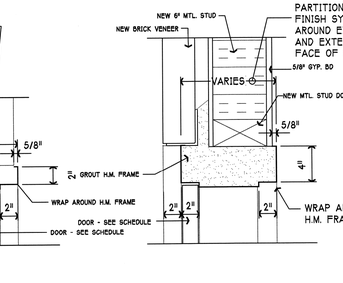


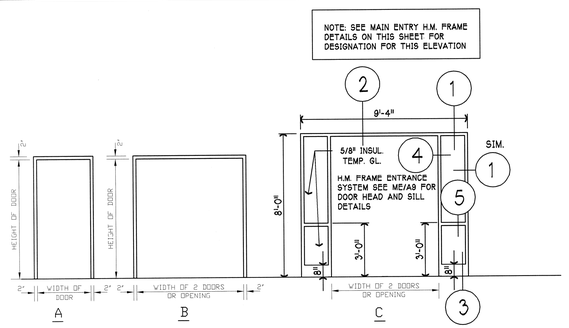
6

JAMB DETAILS

NOTE: SEE GENERAL AND SPECIAL NOTES ON DOOR SCHEDULE

H.M. HEAD AND JAMB DETAILS

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

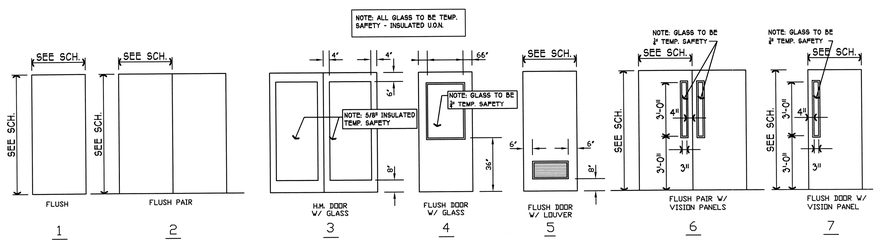


A B C

H.M. DOOR FRAME TYPES

SCALE 1/4" = 1'-0"

CONTRACTOR TO VERIFY ALL DIMENSIONS OF EXISITNG OPENING AND CONFIRM ACURATE FRAME AND DOOR DIMENSIONS ON SHOP DRAWINGS.



1 2 3 4 5 6 7

DOOR TYPES

SCALE 1/4" = 1'-0"

CONTRACTOR TO VERIFY ALL DIMENSIONS OF EXISITNG OPENING AND CONFIRM ACURATE FRAME AND DOOR DIMENSIONS ON SHOP DRAWINGS.

DOOR & FRAME SCHEDULE

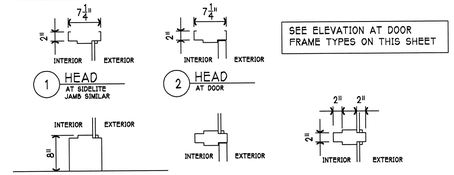
SPECIAL NOTES	DOOR NUMBER	DOOR SIZE PAIR	WIDTH	HEIGHT	THICKNESS	DOOR MATERIAL	DOOR TYPE	DOOR GLASS WIDTH	DOOR GLASS HEIGHT	DOOR LOUVER WIDTH	DOOR LOUVER HEIGHT	FRAME TYPE	FRAME DETAIL MATERIAL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL THRESHOLD	HARDWARE SET	FIRE LABEL - DOOR & FRAME	REMARKS / REMARKS:
X,X,X,X	100-A	PR	3'-0"	7'-10"	1-3/4"	HM	3					C	HM	X	X		1		INSUL. TEMP. GL. DR. & SIDELITES
	102-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		2.1	1/3	
	102-B		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		2.1		
	105-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		3		
	106-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		3		
	107-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		2		
	107-B		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		3		
	108-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		3		
	109-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		3		
	110-A		3'-0"	6'-8"	1-3/4"	WD	5			12"	24"	A	HM	A	1		4		
	111-A		3'-0"	6'-8"	1-3/4"	WD	5			12"	24"	A	HM	A	1		5		
	112-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	D	4		6		NEW DR. & F IN MODIFIED OPNG
4,X,X,X	112-B		3'-0"	7'-0"	1-3/4"	HM	1					A	HM	C	3		7		NEW GALV. DR. & F IN MODIFIED OPNG
	113-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		8		
	114-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	B	2		5		NEW DR. & F IN MODIFIED OPNG
	115-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	B	2		3		NEW DR. & F IN MODIFIED OPNG
	116-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	B	2		5		
	118-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	B	2		5		
5,X,X,X	120-A																		REMOVE EXIST. DR. FRAME TO REMAIN
1,X,X,X	120-B		3'-0"	6'-8"		ST							ST				9		EXIST. DOOR TO REMAIN W/ NEW H.W.
	121-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		5		
	123-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		2		
5,X,X,X	123-B					ST							ST						REMOVE EXIST. DR. FRAME TO REMAIN
	123-C		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	B	2		2.1		NEW DR. & F IN MODIFIED OPNG
2,X,X,X	124-A		3'-6"	6'-8"	1-3/4"	HM	1					A	HM	E	5		7.1		NEW GALV. DR. & F IN MODIFIED OPNG
	125-A		3'-0"	6'-8"	1-3/4"	HM	1					A	HM	A	1		10		
	126-A		3'-0"	6'-8"	1-3/4"	HM	1					A	HM	A	1		11		
	127-A		3'-0"	6'-8"	1-3/4"	HM	1					A	HM	A	1		10		
	128-A		3'-0"	6'-8"	1-3/4"	HM	1					A	HM	A	1		5		
	130-A		3'-0"	6'-8"	1-3/4"	WD	7	3"	36"			A	HM	A	1		12.1	1/3	
	131-A	PR	3'-0"	6'-8"	1-3/4"	WD	6	3"	36"			B	HM	A	1		13	1/3	
	131-B		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		12	1/3	
2,X,X,X	131-C		3'-0"	7'-0"	1-3/4"	HM	1					A	HM	F	6		7		GALV. DOOR & FRAME
	132-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		14	1/3	
	133-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		14	1/3	
	135-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		5		CONTRACTOR TO VERIFY DR. WIDTH
2,X,X,X	136-A		3'-6"	7'-0"	1-3/4"	HM	1					A	HM	F	6		15		GALV. DOOR & FRAME
	137-A	PR	3'-0"	6'-8"	1-3/4"	WD	2					B	HM	A	1		16		
	140-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		12.1	1/3	
	142-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		8		
	143-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		3		
	144-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		17		
	145-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		3		
	146-A		3'-6"	6'-8"	1-3/4"	WD	1					A	HM	A	1		18		
	147-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		3		
	148-A		3'-0"	6'-8"	1-3/4"	WD	4	24"	36"			A	HM	A	1		8		
	149-A		3'-0"	6'-8"	1-3/4"	WD	1					A	HM	A	1		10		
2,X,X,X	150-A		3'-0"	7'-8"	1-3/4"	HM	1					X	HM	X	X		7.1		NEW GALV. DOOR IN EXISTING FRAME

GENERAL DOOR/FRAME/HARDWARE NOTES:

1. ALL DOOR HARDWARE TO BE COORDINATED WITH FIRE RATING REQUIREMENTS.
2. ALL EXISTING AND NEW OPENING FOR NEW DOORS TO BE PATCHED, REPAIRED AND FINISHES TO MATCH SCHEDULED FINISHES AND OPENING TO BE ADJUSTED AS REQUIRED TO ACCOMODATE FRAME SIZE INDICATED. CONSULT ARCH/OWNER FOR ANY CONFLICTS.
3. PROVIDE 6X4XX$\frac{5}{16}$" STL. ANGLES MIN. LINTELS AT BRICK AND 6X6X$\frac{1}{4}$" STL. ANGLES AT CMU MASONRY WITHE OVER NEW DOOR OPENINGS IN MASONRY PARTITIONS U.O.N.
4. ALL EXTERIOR H.M. FRAMES AND DOORS TO BE GALVANIZED.
5. CAULK AROUND HM FRAMES ADJACENT TO ALL DISSIMILAR MATERIALS.
6. PRIOR TO SUBMITTING SHOP DRAWINGS, CONTRACTOR TO INSPECT EXISTING CONDITIONS ONCE DEMOLITION IS COMPLETED AND VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT/OWNER OF ANY DISCREPANCIES IMMEDIATELY UPON DISCOVERY.
7. CONTRACTOR TO PATCH, REPAIR AND REFINISH ALL ADJACENT AREAS AROUND NEW DOORS/FRAME INSTALLATIONS. FINAL FINISHES TO BE IN ACCORDANCE WITH FINISH SCHEDULE.

SPECIAL DOOR/HARDWARE NOTES:

1. PATCH, SCRAPE, FILL, REPAIR, PRIME AND REPAINT EXISTING DOOR AND FRAME. PROVIDE REMEDIAL WORK AS REQUIRED FOR SMOOTH OPERATION OF DOOR AND NEW HARDWARE NEW HARDWARE SEE HARDWARE SCHEDULE AND SPECIFICATIONS. REMOVE PORTION OF EXISTING STOP TO ACCOMMODATE NEW PANIC HARDWARE.
2. PROVIDE GALVANIZED FRAME AND/OR DOOR AS INDICATED. VERIFY DIMENSIONS.
3. PROVIDE NEW DOOR IN EXISTING FRAME. FIELD VERIFY EXISTING LOCATION OF EXISTING HARDWARE THAT IS TO REMAIN AND COORDINATE WITH NEW HARDWARE THAT IS SPECIFIED.
4. NEW DOOR AND FRAME IN EXISTING/MODIFIED OPENING. CONTRACTOR TO VERIFY ALL DIMENSIONS.
5. CUT AWAY EXISTING HINGES, PATCH, SCRAPE, FILL, REPAIR, PRIME AND REPAINT EXISTING FRAME.



H.M DOOR DETAILS AT MAIN ENTRY

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

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FILE NAME: RLW98.dwg

RICHARD L. WORLEY
ARCHITECT A.I.A.
4078 HAYWOOD ROAD - MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR

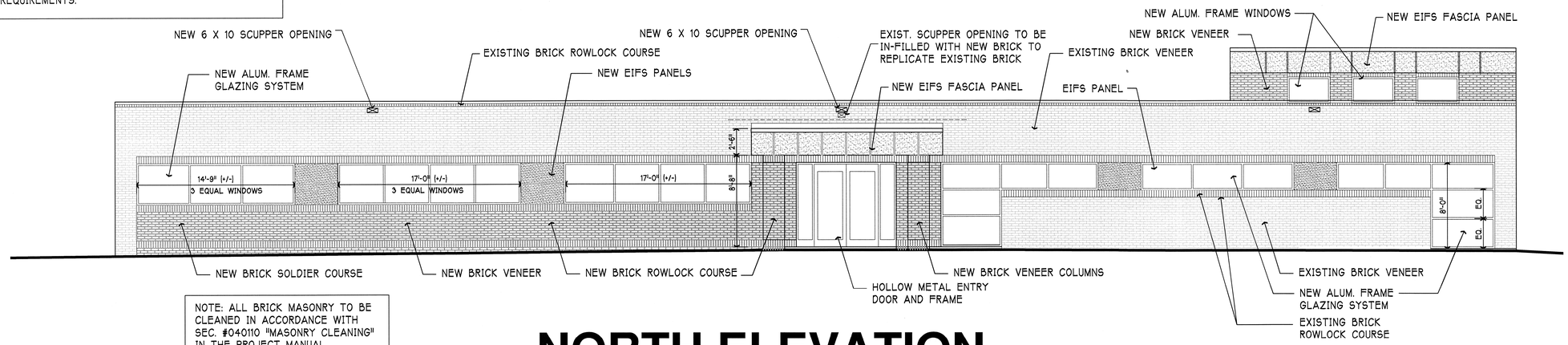
TRANSYLVANIA COUNTY BOARD OF ELECTIONS

TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET A4

NOTE: GLAZING IN ALUMINUM FRAMED WINDOWS TO BE 1" INSULATED, BRONZE TINTED LOW-E, ARGON FILLED GLASS UNITS. PROVIDE SAFETY GLAZING AS REQUIRED BY NC CODE REQUIREMENTS.



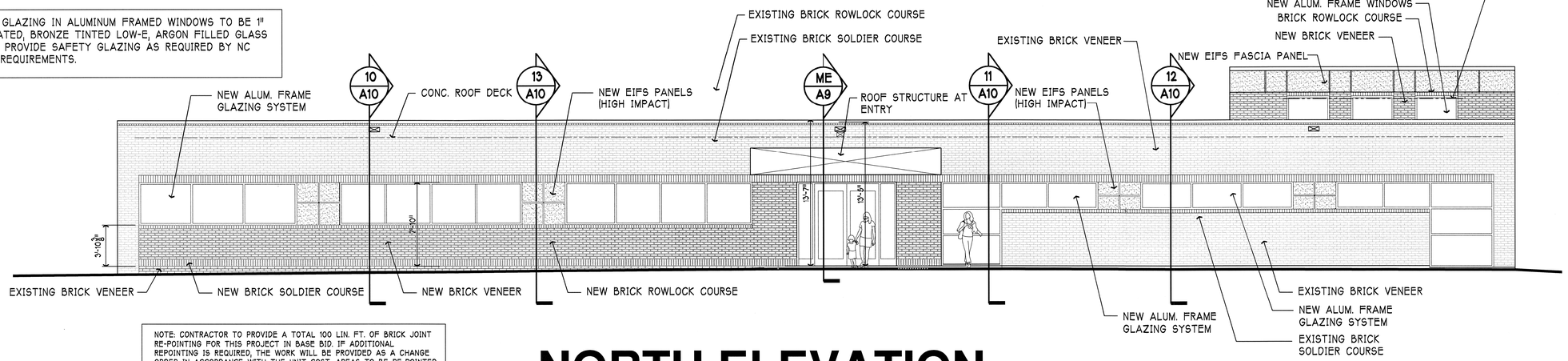
NOTE: ALL BRICK MASONRY TO BE CLEANED IN ACCORDANCE WITH SEC. #040110 "MASONRY CLEANING" IN THE PROJECT MANUAL.

NORTH ELEVATION

SCALE: 1/8" = 1'-0" WITH COVERED ENTRY SHOWN

NOTE: ALL EXISTING BRICK TO BE CLEANED. REFER TO PROJECT MANUAL SEC. 040110 "MASONRY CLEANING".

NOTE: GLAZING IN ALUMINUM FRAMED WINDOWS TO BE 1" INSULATED, BRONZE TINTED LOW-E, ARGON FILLED GLASS UNITS. PROVIDE SAFETY GLAZING AS REQUIRED BY NC CODE REQUIREMENTS.



NOTE: CONTRACTOR TO PROVIDE A TOTAL 100 LIN. FT. OF BRICK JOINT RE-POINTING FOR THIS PROJECT IN BASE BID. IF ADDITIONAL REPOINTING IS REQUIRED, THE WORK WILL BE PROVIDED AS A CHANGE ORDER IN ACCORDANCE WITH THE UNIT COST. AREAS TO BE RE-POINTED TO BE COORDINATED WITH OWNER AND IS NOT INCLUDED IN ANY OTHER BRICK WORK (REPLACING/RE-POINTING ETC. INDICATED ON THE DRAWINGS. IN ADDITION, ALL EXISTING VERTICAL BRICK CONTROL JOINTS ARE TO BE REPAIRED THROUGH OUT THE PROJECT.

NORTH ELEVATION

SCALE: 3/16" = 1'-0" WITHOUT COVERED ENTRY SHOWN

The design detail and invention of this drawing is the property of Richard L. Worley, AIA Architect and shall not be copied or disclosed without written consent.

FILE NAME: RLW98.dwg

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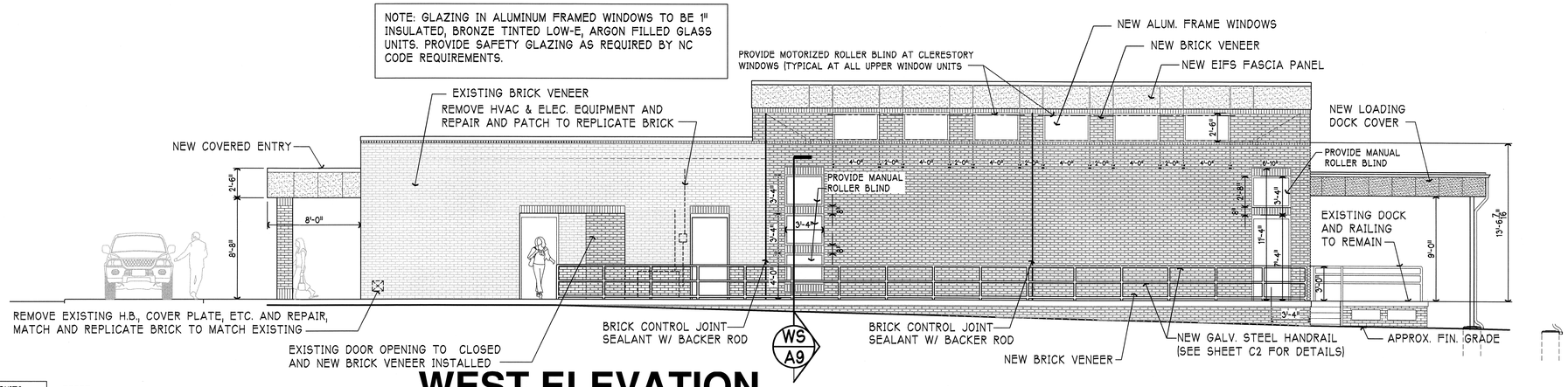
SHEET A5

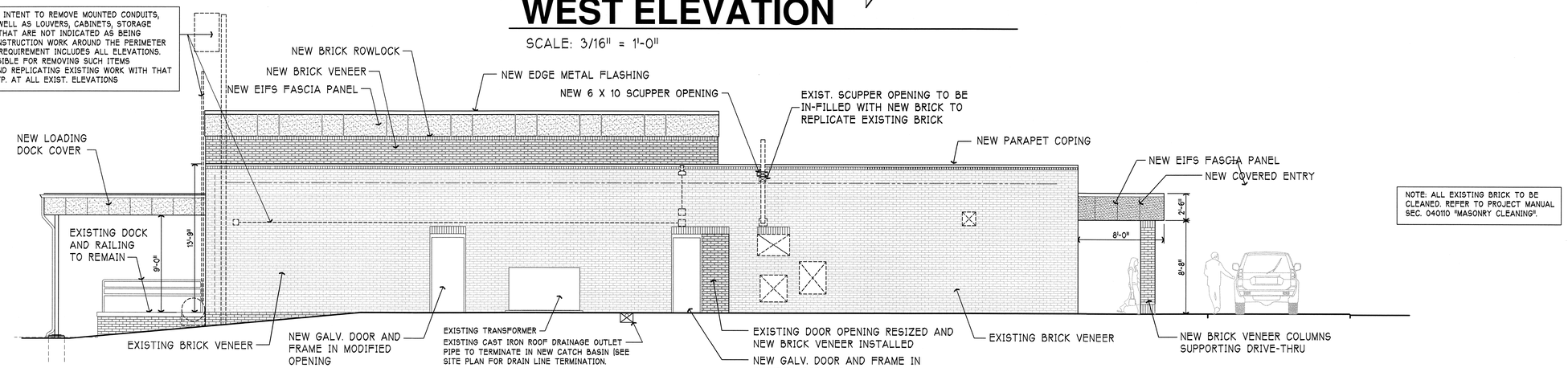
NOTE: GLAZING IN ALUMINUM FRAMED WINDOWS TO BE 1" INSULATED, BRONZE TINTED LOW-E, ARGON FILLED GLASS UNITS. PROVIDE SAFETY GLAZING AS REQUIRED BY NC CODE REQUIREMENTS.



WEST ELEVATION

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

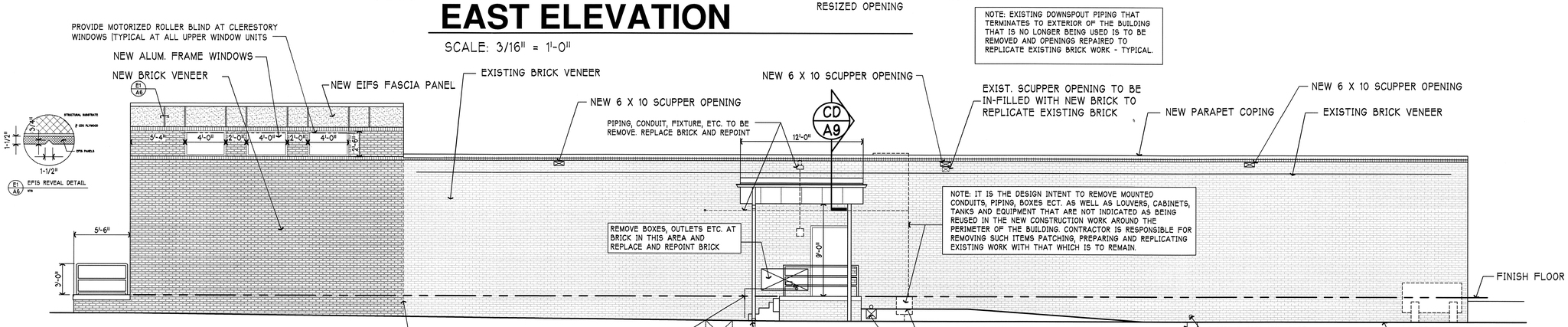
NOTE: IT IS THE DESIGN INTENT TO REMOVE MOUNTED CONDUITS, PIPING, BOXES ECT. AS WELL AS LOUVERS, CABINETS, STORAGE TANKS AND EQUIPMENT THAT ARE NOT INDICATED AS BEING REUSED IN THE NEW CONSTRUCTION WORK AROUND THE PERIMETER OF THE BUILDING. THIS REQUIREMENT INCLUDES ALL ELEVATIONS. CONTRACTOR IS RESPONSIBLE FOR REMOVING SUCH ITEMS PATCHING, PREPARING AND REPLICATING EXISTING WORK WITH THAT WHICH IS TO REMAIN. TYP. AT ALL EXIST. ELEVATIONS



NOTE: ALL EXISTING BRICK TO BE CLEANED. REFER TO PROJECT MANUAL SEC. 040110 "MASONRY CLEANING".

EAST ELEVATION

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



NOTE: EXISTING DOWNSPOUT PIPING THAT TERMINATES TO EXTERIOR OF THE BUILDING THAT IS NO LONGER BEING USED IS TO BE REMOVED AND OPENINGS REPAIRED TO REPLICATE EXISTING BRICK WORK - TYPICAL.

NOTE: GLAZING IN ALUMINUM FRAMED WINDOWS TO BE 1" INSULATED, BRONZE TINTED LOW-E, ARGON FILLED GLASS UNITS. PROVIDE SAFETY GLAZING AS REQUIRED BY NC CODE REQUIREMENTS.

NOTE: CONTRACTOR TO PROVIDE A TOTAL 100 LIN. FT. OF BRICK JOINT RE-POINTING FOR THIS PROJECT IN BASE BID. IF ADDITIONAL REPOINTING IS REQUIRED, THE WORK WILL BE PROVIDED AS A CHANGE ORDER IN ACCORDANCE WITH THE UNIT COST AREAS TO BE RE-POINTED TO BE COORDINATED WITH OWNER AND IS NOT INCLUDED IN ANY OTHER BRICK WORK (REPLACING/RE-POINTING ETC. INDICATED ON THE DRAWINGS. IN ADDITION, ALL EXISTING VERTICAL BRICK CONTROL JOINTS ARE TO BE REPAIRED THROUGH OUT THE PROJECT.

SOUTH ELEVATION

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

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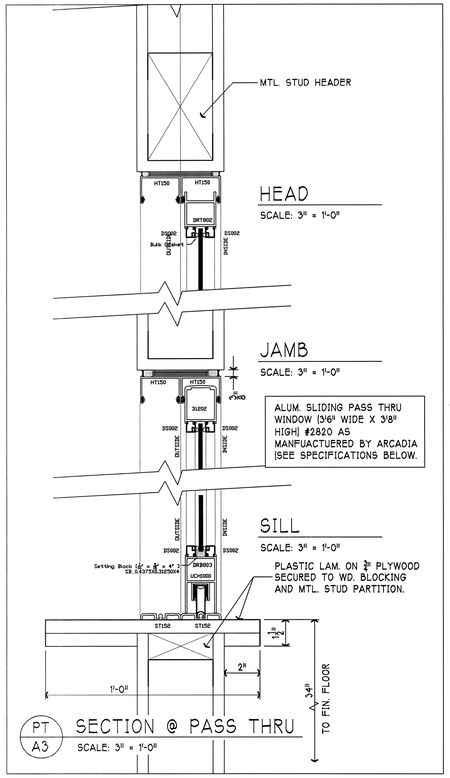

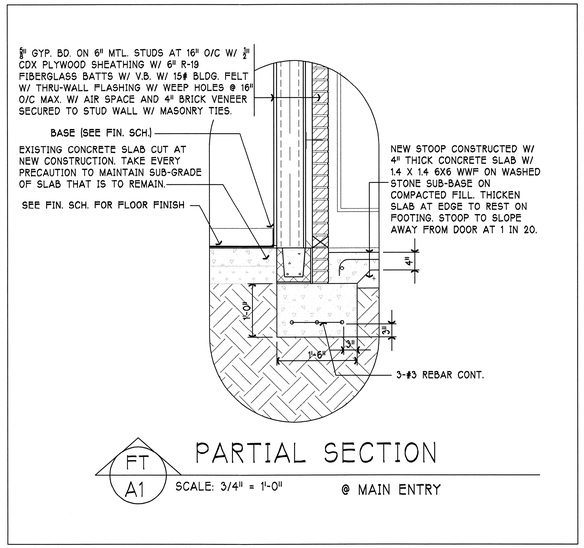

arcadia

Product Standards and Guide Specifications

2820 Pass Thru Series

Sliding Window

1995 CSI SECTION 08520 Aluminum Windows
2004 CSI SECTION 08 51 13 Aluminum Windows

Part 1 – General

1.01 Summary
- A. Section includes:
  1. Sliding Window
- B. Related Sections:

1.02 References
- A. American Architectural Manufacturers Association (AAMA)
- B. American Society for Testing and Materials (ASTM)
- C. Aluminum Association (AA)

1.03 System Description
- A. General: In addition to requirements shown or specified, comply with:
  1. Applicable provisions of AAMA Aluminum Storefront and Entrance Manual for design, materials, fabrication and installation of component parts.
- B. Design Requirements: Arcadia 2820 Pass Thru Series Multislide is a single source package of Window, Window frame and hardware that is engineered to allow multi-slide parallel stacking.
- C. Performance Requirements: Each assembly shall be tested by a recognized testing laboratory or agency in accordance with specified test methods.
  1. Resistance to corner racking shall be tested by the dual moment corner joint strength test.
  2. Structural uniform load shall be tested in accordance with ASTM E 330.
  3. The 2820 Pass Thru Series Sliding Window incorporate an integral pan with a ¾" high water barrier to eliminate the possibility of leakage per AAMA 501.2.

1.04 Quality Assurance
- A. Single Source Responsibility:
  1. Obtain entrances, storefronts, ribbon walls, window walls, curtain walls, window systems, and finish through one source from a single manufacturer.
- B. Provide test reports from AAMA accredited laboratories certifying the performances as specified in 1.03.

1.05 Warranty
- A. System shall be warranted against failure and/or deterioration of metals due to manufacturing process for a period of two (2) years.

Part 2 – Products

2.01 Manufacturers
- A. Acceptable Manufacturers:
  1. Arcadia, Inc., 3225 East Washington Blvd., Vernon, CA. Telephone 323/269-7300, Fax 323/269-7390.
- B. Acceptable Products:
  1. Arcadia, Inc., 2820 Pass Thru Series Multislide, 1-3/4".
     a. Vertical stile: 2, 3-1/2 or 5 inches.
     b. Top rail: 2-1/16 or 3-5/8 or 5-1/8 inches.
     c. Bottom rail: 3 or 6 or 10 inches.
     d. Glazing Insert: Snap-in type for _____ (1/4" or 1") infill.
  2. Major portions of the Window stiles shall be a nominal .125" and glass stops shall be .050" thick.

2.02 Materials and Accessories
- A. Window members: Extruded 6063-T6 aluminum alloy (ASTM B221 – Alloy G.S. 10aT5).
- B. Screws, fastening devices, and internal components: Aluminum, stainless steel, or zinc plated steel in accordance with ASTM A-164 shall be aluminum or steel, providing the steel is properly isolated from aluminum.

2.02 Glazing Gasket (compression-type design).

2.03 Hardware
- A. Hardware for 2820 Pass Thru Series Multislide shall be furnished and installed by the manufacturer and shall include the following standard hardware.
  1. Weatherstripping: A hard-backed polypile weatherstrip shall be installed in frame and interlockers and meeting stiles of bi-parting Panels. Sliding panel supplied with double sweep at sill.
  2. Sill track: (stainless steel cap).
  3. Tandem ballbearing caster.
  4. Adams Rite maximum security lock.
  5. Cylinders (interior and exterior).
  6. Flush face pull.

2.04 Finish
- A. Finish all exposed areas of aluminum and components as indicated.
  1. An Architectural Class II or I anodic coating conforming with AA-M12C22A31/AA-M12C22A41.
     a. Anodize finish color shall be Colormodic _____ (#11 Clear)

2.05 Window Fabrication
- A. Stiles and rails shall be tubular sections accurately joined, flush and hairline at corners with heavy concealed reinforcement brackets secured with machine bolts, with optional MIG weld. Exposed screws not permitted.
- B. Prepare internal reinforcement for hardware.
- C. Custom hardware templates and physical hardware must be submitted prior to any fabrication.

Part 3 – Execution

3.01 Examinations
- A. Examine conditions and verify substrate conditions are acceptable for product installation.

3.02 Installation
- A. Install in accordance with approved shop drawings and manufacturers installation instructions.

3.03 Field Quality Control
- A. Contractors responsibility to make all necessary final adjustments to attain normal operation of each Window and its mechanical hardware.

END OF SECTION

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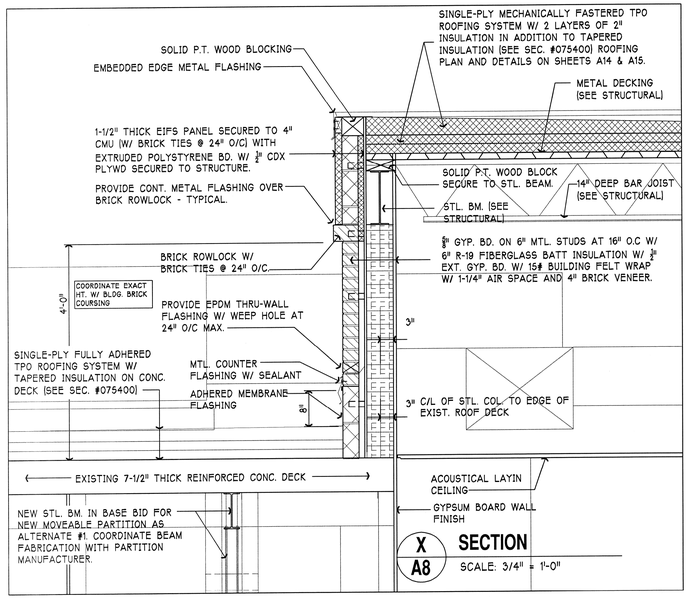
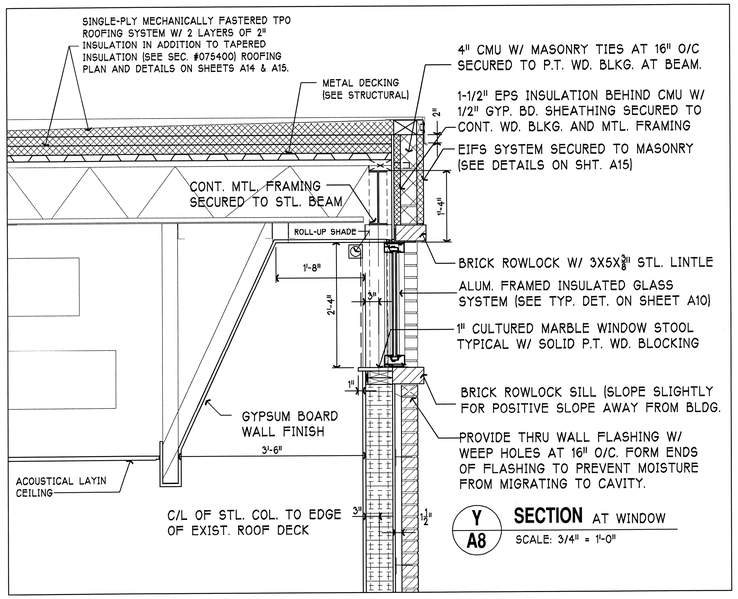
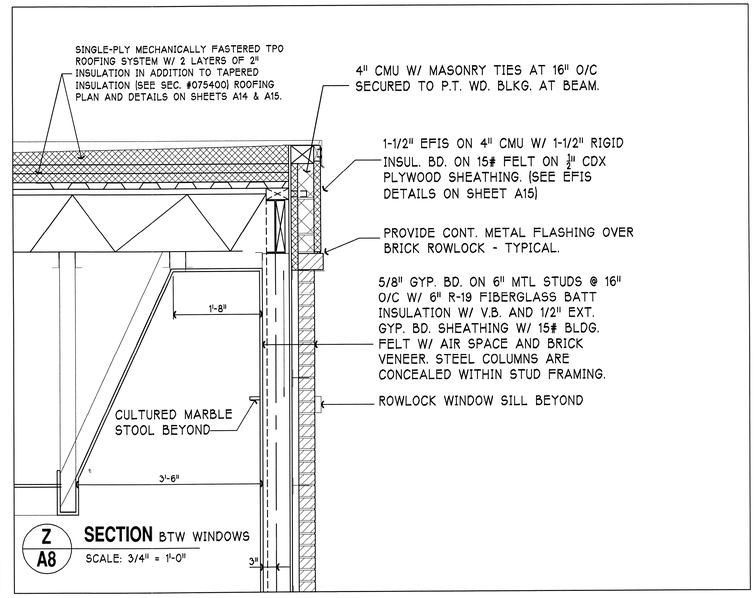


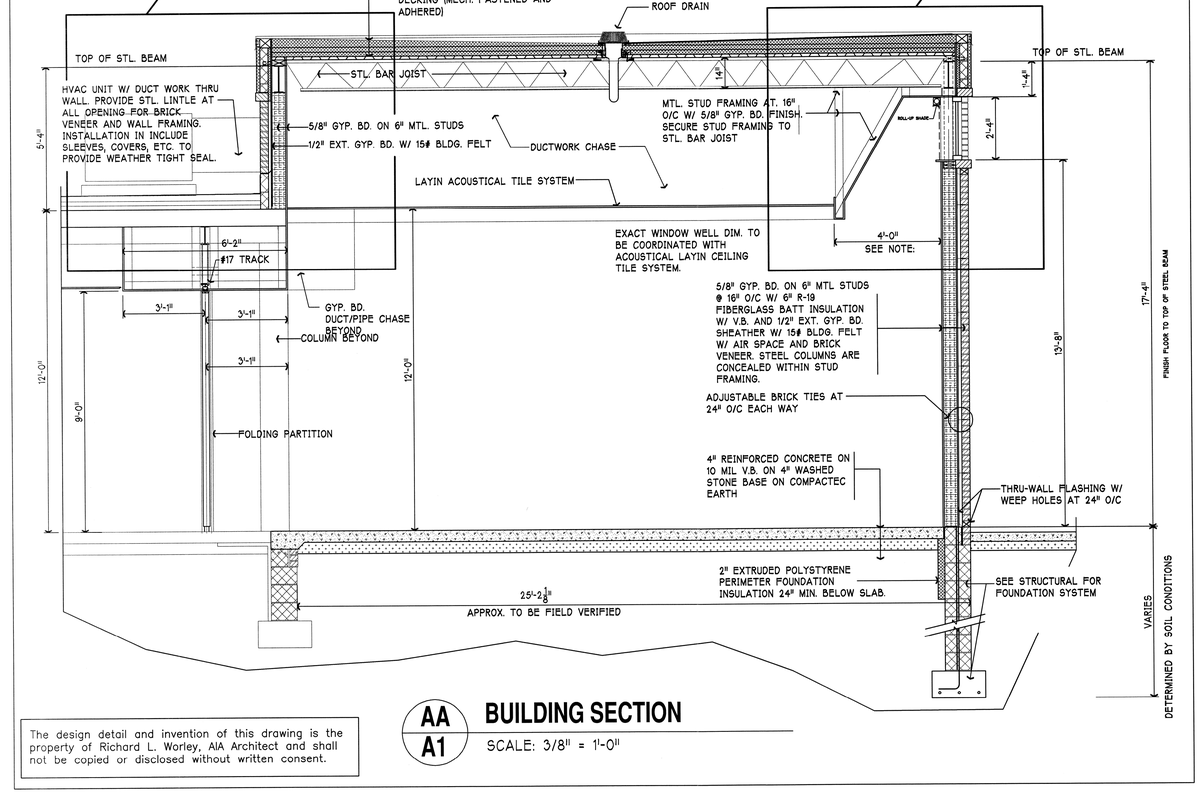
X A8 **SECTION** SCALE: 3/4" = 1'-0"



Y A8 **SECTION** AT WINDOW SCALE: 3/4" = 1'-0"



Z A8 **SECTION** BTW WINDOWS SCALE: 3/4" = 1'-0"



AA A1 **BUILDING SECTION** SCALE: 3/8" = 1'-0"

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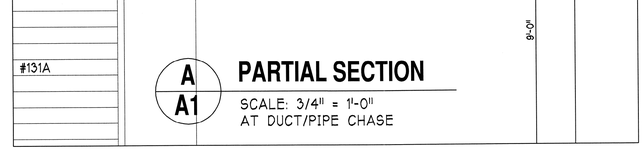

A A1 **PARTIAL SECTION** SCALE: 3/4" = 1'-0" AT DUCT/PIPE CHASE

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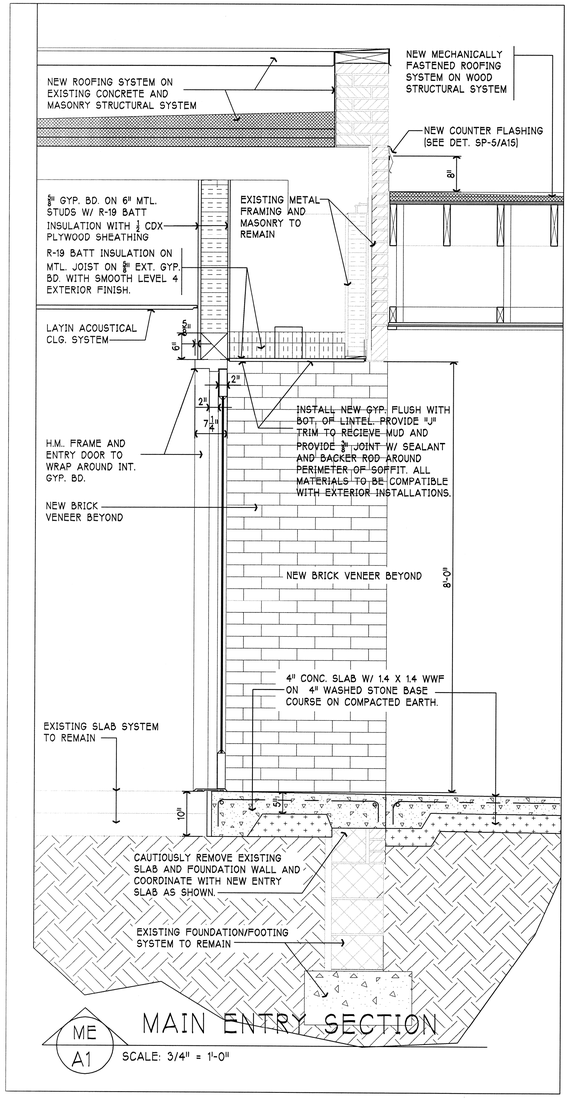

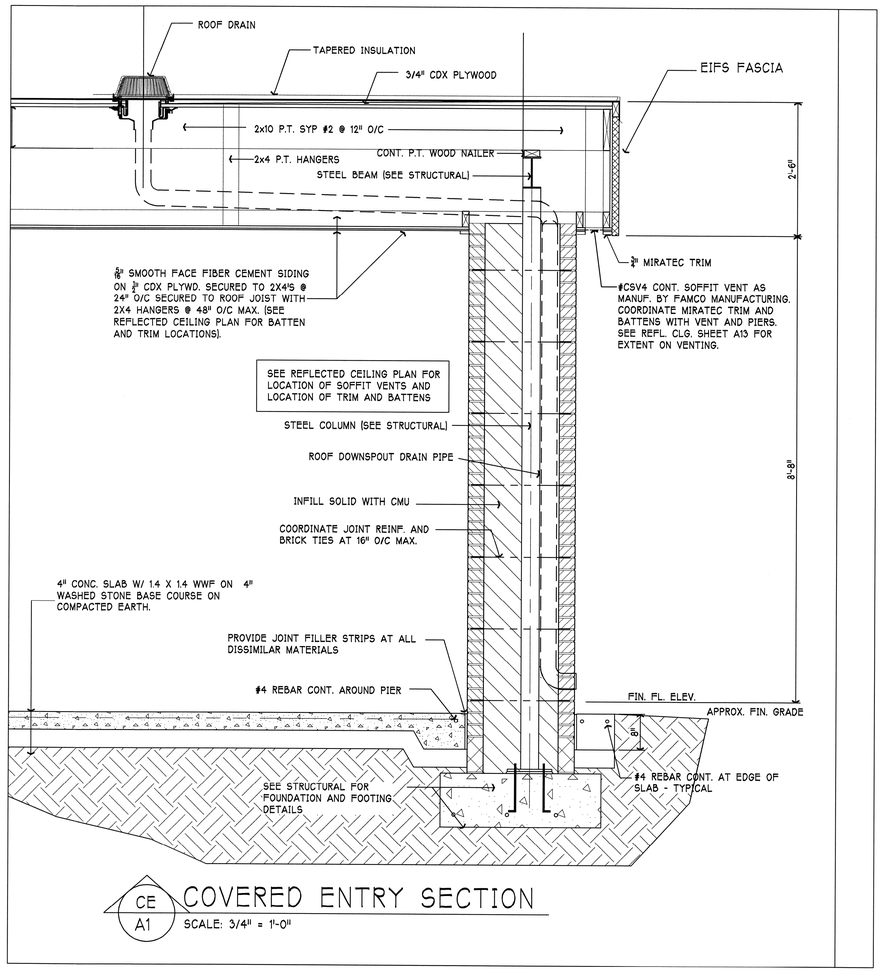

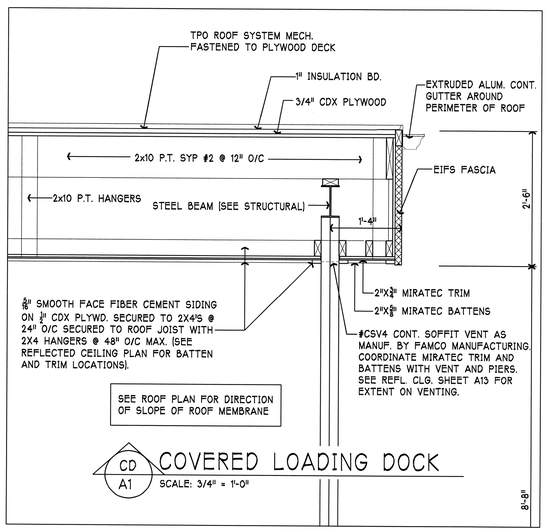

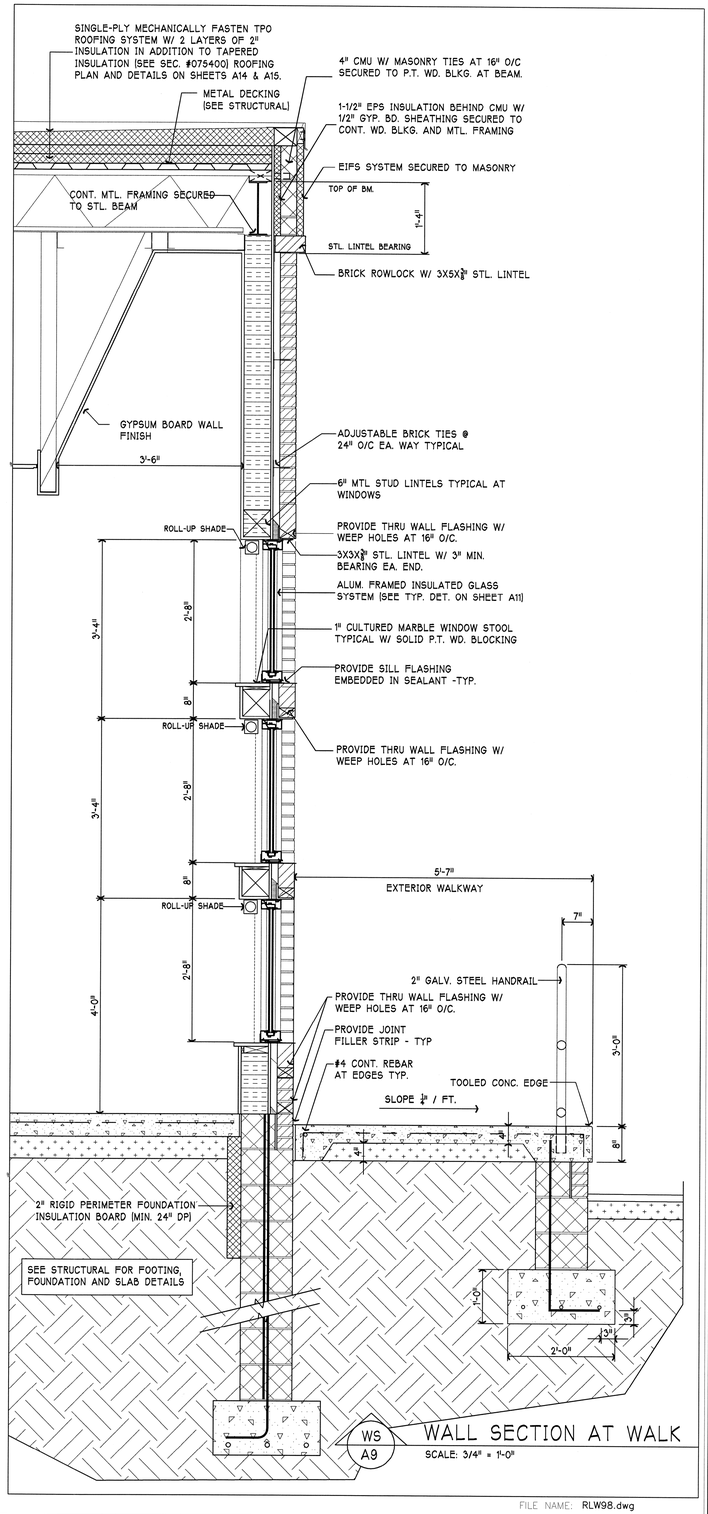

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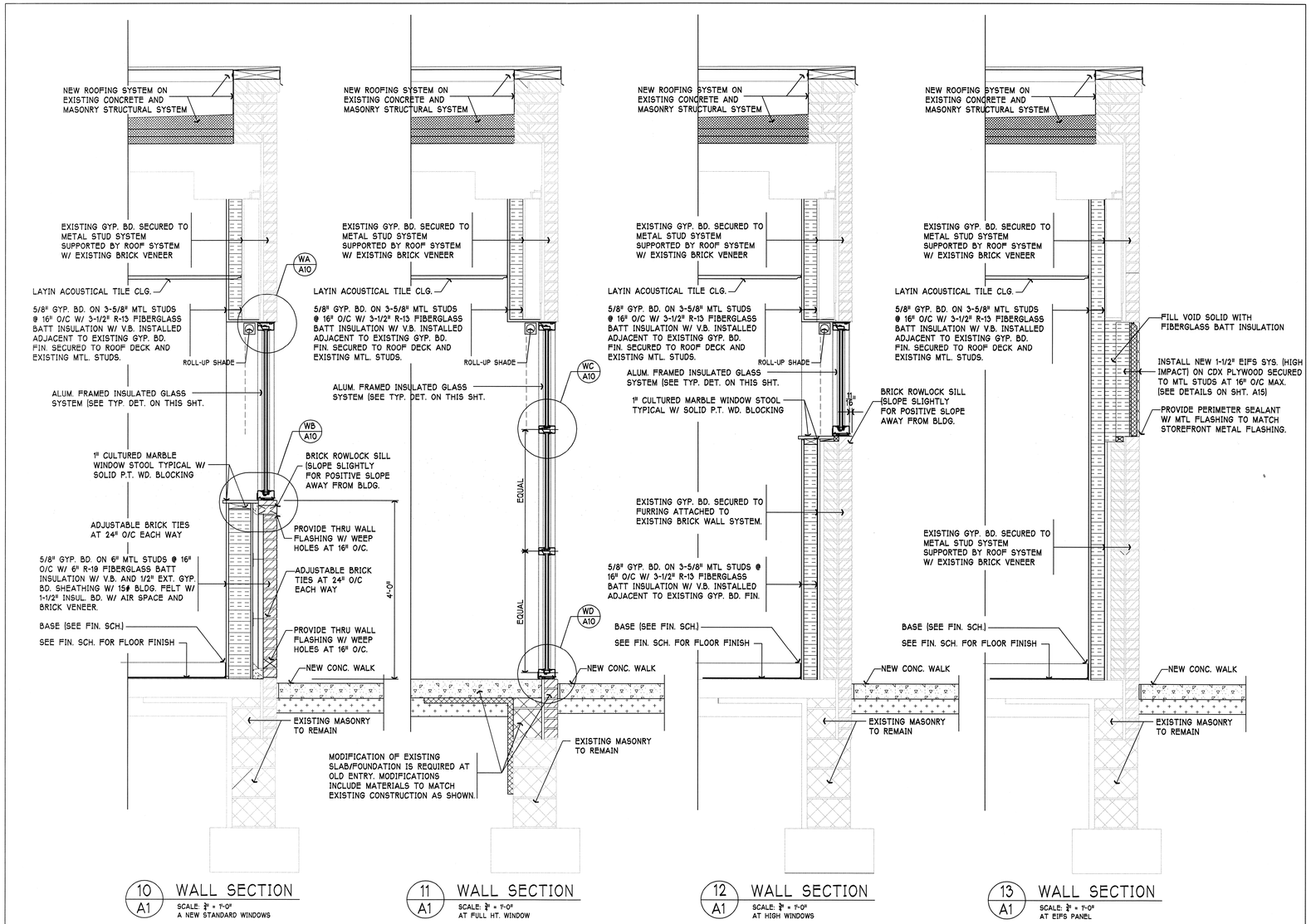
SHEET A9



10 / A1 WALL SECTION
SCALE: 3/4" = 1'-0"
A NEW STANDARD WINDOWS

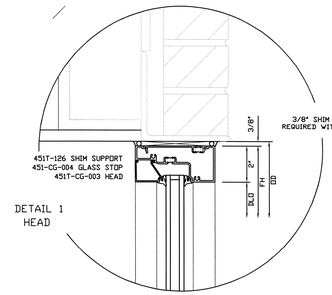
11 / A1 WALL SECTION
SCALE: 3/4" = 1'-0"
AT FULL HT. WINDOW

12 / A1 WALL SECTION
SCALE: 3/4" = 1'-0"
AT HIGH WINDOWS

13 / A1 WALL SECTION
SCALE: 3/4" = 1'-0"
AT EIFS PANEL

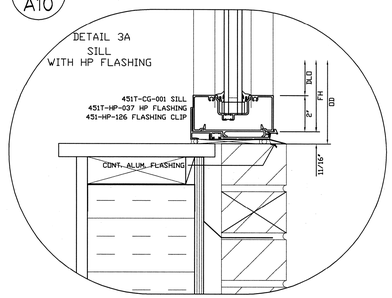
TYPICAL EXTERIOR WALL SECTIONS

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

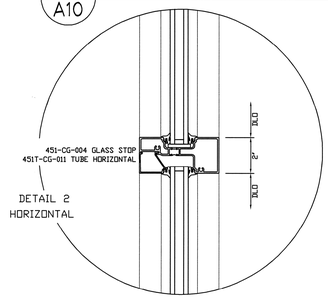


NOTE: PROVIDE BACKER ROD AND SEALANT AROUND PERIMETER OF WINDOWS - TYPICAL INTERIOR AND EXTERIOR OF WINDOW UNIT.

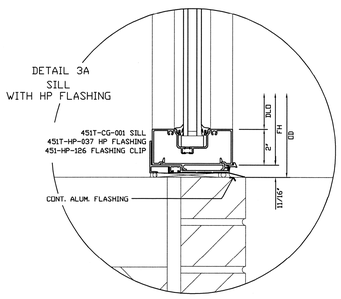
WA / A10 HEAD



WB / A10 SILL



WC / A10 MULLION



ALUMINUM WINDOW NOTES:

1. PROVIDE BACKER ROD AND SEALANT AROUND PERIMETER OF WINDOWS - TYPICAL INTERIOR AND EXTERIOR OF WINDOW UNIT.
2. PROVIDE 1" INSULATED LOW-E ARGON FILLED GLAZING. PROVIDE SAFETY GLASS UNIT IN ACCORDANCE WITH NC BLDG CODE CHAPTER 24 SECTION 2406.
3. PROVIDE COMPLETE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
4. SEE PROJECT MANUAL SEC. #084110 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS.

WD / A10 SILL

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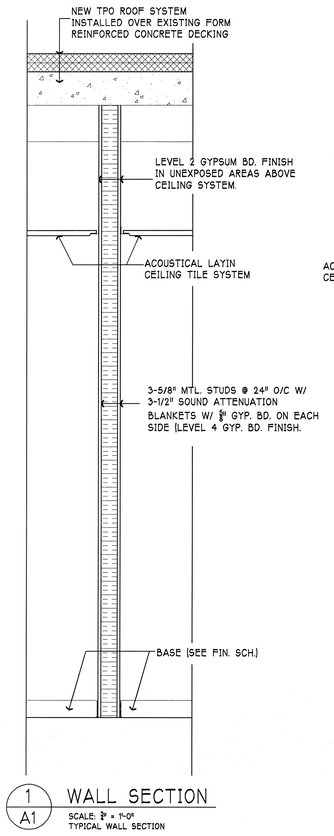
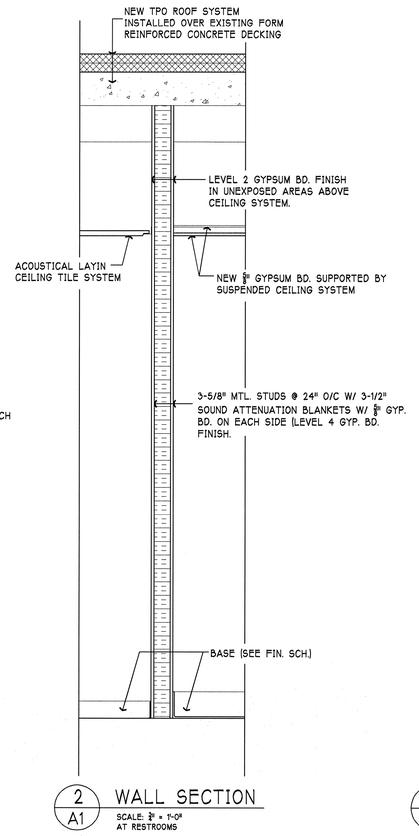
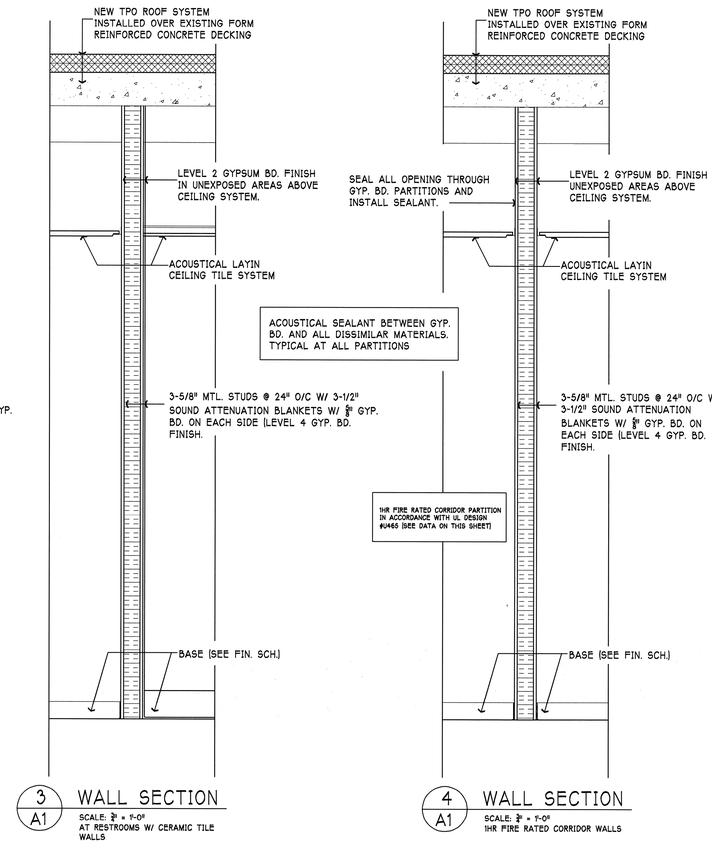


1 / A1 WALL SECTION
SCALE: 3" = 1'-0"
TYPICAL WALL SECTION



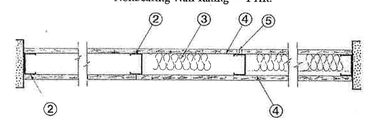
2 / A1 WALL SECTION
SCALE: 3" = 1'-0"
AT RESTROOMS



3 / A1 WALL SECTION
SCALE: 3" = 1'-0"
AT RESTROOMS W/ CERAMIC TILE
WALLS

4 / A1 WALL SECTION
SCALE: 3" = 1'-0"
1HR FIRE RATED CORRIDOR WALLS

Design No. U465
Nonbearing Wall Rating — 1 HR.



1. **Floor and Ceiling Runners** — (not shown) — Channel shaped runners, 3-5/8 in. wide (min), 1-1/4 in. legs, formed from min No. 25 MSG (min No. 20 MSG when Item 4C is used) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
2. **Steel Studs** — Channel shaped, 3-5/8 in. wide (min), 1-1/4 in. legs, 3/8 in. folded back returns, formed from min No. 25 MSG (min No. 20 MSG when Item 4C is used) galv steel spaced 24 in. OC max.
3. **Batts and Blankets*** — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.
   See Batts and Blankets (BZJZ) category for names of Classified companies.
4. **Gypsum Board*** — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.
   AMERICAN GYPSUM CO —Type AG-C.
   BEIJING NEW BUILDING MATERIALS CO LTD —Type DBX-1.
   BPB AMERICA INC
   BPB CELOTEX —Type 1.
   CANADIAN GYPSUM COMPANY —Types AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
   CONTINENTAL GYPSUM COMPANY —Types CG-C, CGS-5, CG6-6, CG9-9, CGTC-C.
   G-P GYPSUM CORP, SUB OF
   GEORGIA-PACIFIC CORP —Types 5, 9, C, DGG, DS, GPFS6.
   JAMES HARDIE GYPSUM INC —Type Max "C" or Fire X.
   LAFARGE GYPSUM, DIV OF
   LAFARGE CORP —Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A.
   NATIONAL GYPSUM CO —Types FSK-C, FSK-G, FSW-C, FSW-G, FSW .

U

   PABCO GYPSUM, DIV OF
   PACIFIC COAST BUILDING PRODUCTS INC —Type PG-C.
   REPUBLIC GYPSUM CO —Type RG-C.
   SIAM GYPSUM INDUSTRY CO LTD —Type EX-1
   STANDARD GYPSUM L L C—Type SG-C.
   TEMPLE-INLAND FOREST PRODUCTS CORP —Type TG-C.
   UNITED STATES GYPSUM CO —Type AR, C, FRX-G, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
   YESO PANAMERICANO S A DE C V —Type AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
   WESTROC INC —Type Westroc Fireboard.

4A. **Gypsum Board*** — (As an alternate to Item 4) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4 with screw length increased to 1-1/4 in.
   CANADIAN GYPSUM COMPANY—Types AR, IP-AR.
   UNITED STATES GYPSUM CO —Types AR, IP-AR.
   YESO PANAMERICANO S A DE C V—Types AR, IP-AR.

4C. **Gypsum Board*** — (As an alternate to Item 4, 4A and 4B) — 5/8 in. thick gypsum panels, installed as described in Item 4 with Type S-12 steel screws. The length and spacing of the screws as specified under Item 4.
   CANADIAN GYPSUM COMPANY—Type FRX.
   UNITED STATES GYPSUM CO —Type FRX.

5. **Joint Tape and Compound** — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
6. **Furring Channel** — (Optional-Not Shown) — Resilient 25 MSG galv steel furring channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 panhead steel screws. Not for use with Type FRX gypsum panels.

*Bearing the UL Classification Mark

TYPICAL INTERIOR MTL STUD WALL SECTIONS

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

FILE NAME: RLW98.dwg

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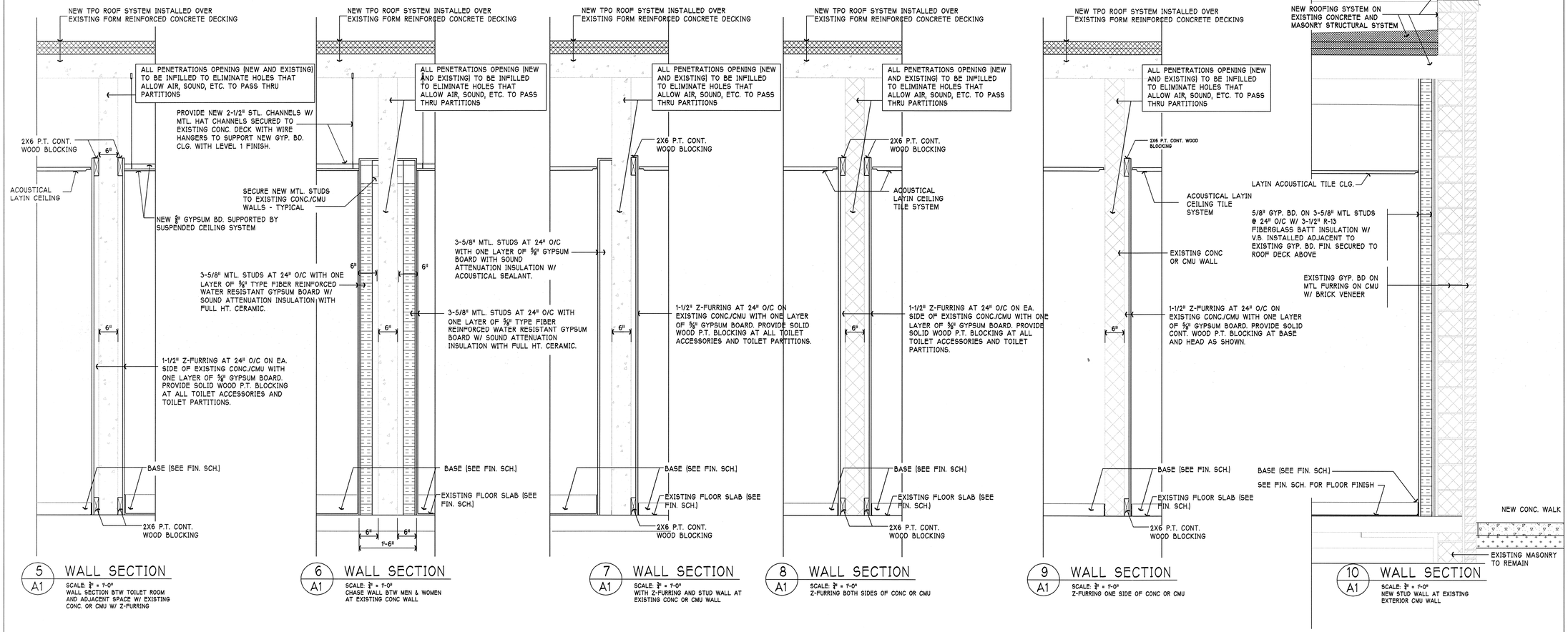
DATE 23 MAR 15

SHEET A11



VARIOUS WALL SECTIONS

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

FILE NAME: RLW98.dwg

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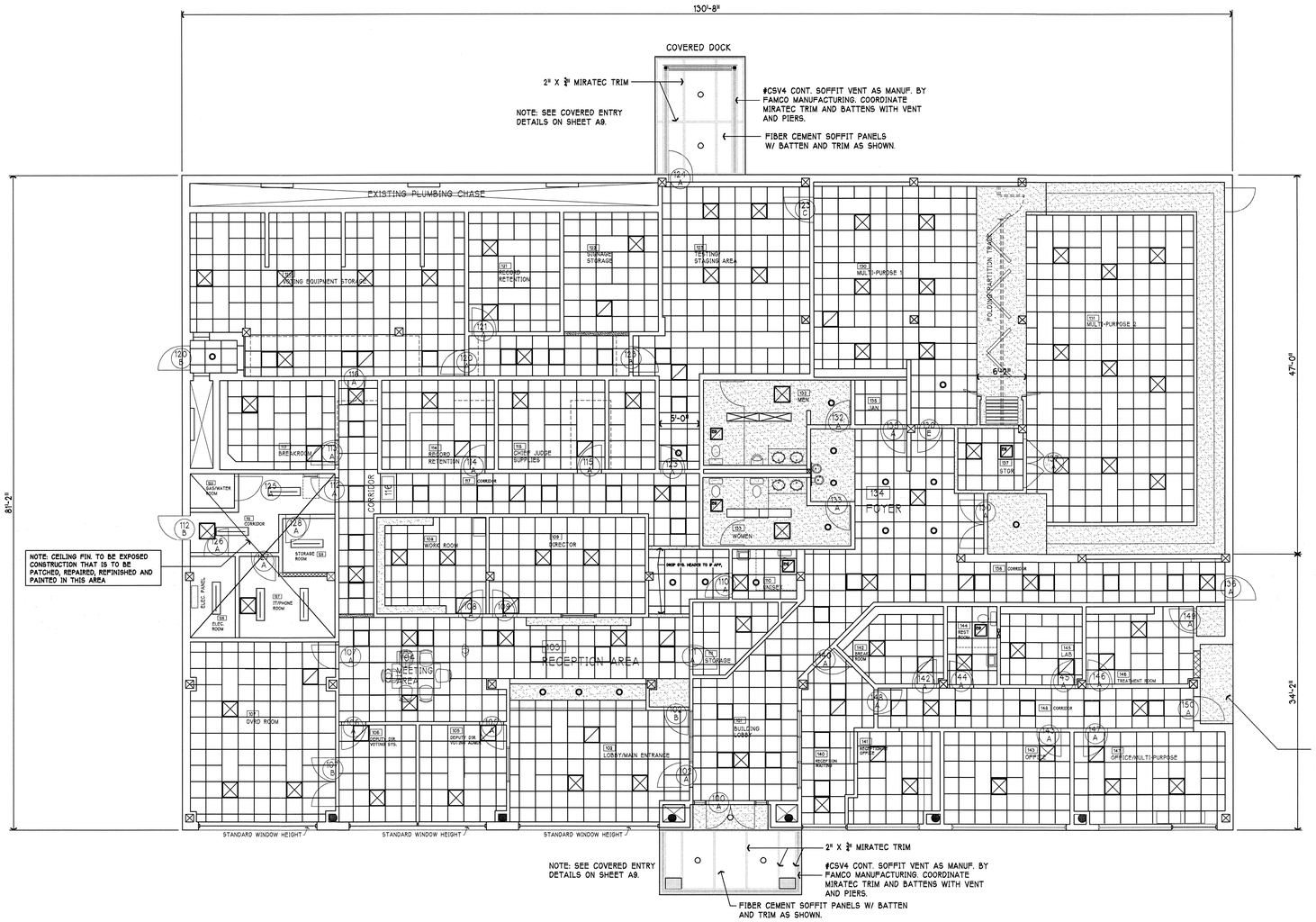
RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
FOR
TRANSYLVANIA COUNTY BOARD OF ELECTIONS
TRANSYLVANIA COUNTY, NC

RICHARD L. WORLEY ARCHITECT NORTH CAROLINA A.I.A.

DATE 23 MAR 15

SHEET A12



LEGEND

- GYP BD CEILING SYSTEM
- LAYIN CEILING SYSTEM
- RETURN AIR GRILLE
- SUPPLY AIR REGISTER
- FLUORESCENT 2X4 FIXTURE
- FLUORESCENT 2X2 FIXTURE
- EXHAUST GRILLE
- RECESSED LIGHT FIXTURE
- RECESSED MTD FLUORESCENT
- SURFACE WALL MTD.
- SUSPENDED CLG. MTD.

NOTE: COORDINATE ALL HVAC AND ELEC. SHOWN ON THIS PLAN WITH PME DRAWINGS.

NOTE: ALL EXPOSED GYPSUM BOARD FINISH TO BE SMOOTH LEVEL 4 FINISH.

REFLECTED CEILING PLAN

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

EXISTING DIGITAL PLANS ARE A GENERAL REPRESENTATION OF THE BUILDING AND HAVE BEEN DEVELOPED FROM OLD EXISTING DRAWINGS WITH MINIMAL SITE OBSERVATIONS. THESE DRAWINGS/FILES ARE NOT INTENDED TO BE A PRECISE REPRESENTATION OF THE EXISTING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS OF ANY AREAS THAT ARE CRITICAL TO ALL RENOVATIONS, ADDITIONS AND FUTURE DESIGN OF THIS BUILDING. ALL SQUARE FOOTAGE NUMBERS ARE APPROXIMATE.

The design detail and invention of this drawing is the property of Richard L. Worley, AIA Architect and shall not be copied or disclosed without written consent.

FILE NAME: RLW98.dwg

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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
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DATE 23 MAR 15

SHEET A13

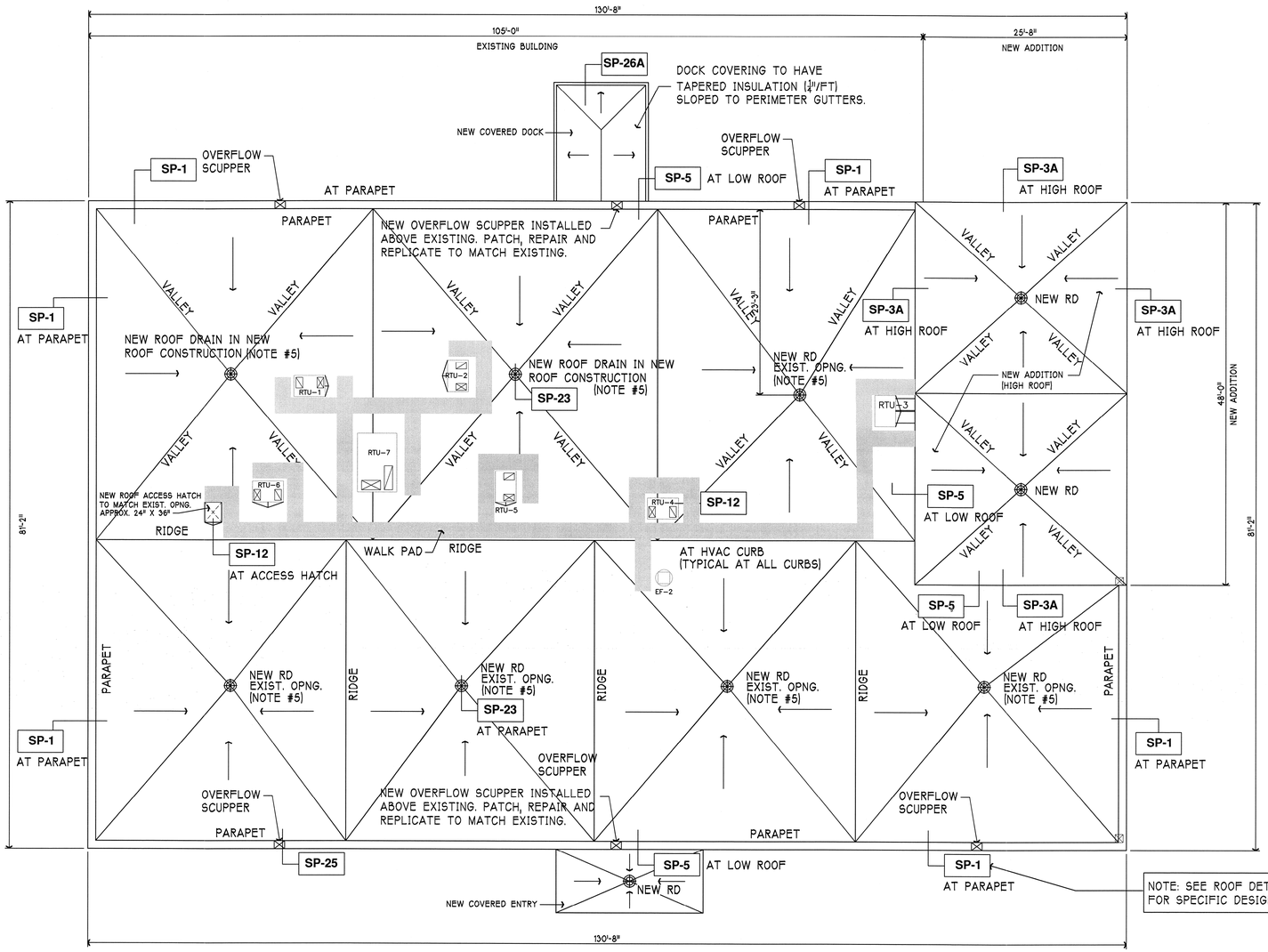
NEW ROOF SYSTEM TO BE A TPO ROOF SYSTEM (FULLY ADHERED AND MECHANICALLY FASTENED). FULLY ADHERED SYSTEM TO BE OVER EXISTING CONCRETE ROOF DECK AREAS. MECHANICALLY FASTENED TO BE OVER METAL DECK AND WOOD DECK AREAS. REFER TO ROOF SYSTEM DETAILS AND TPO SPECIFICATION IN THE PROJECT MANUAL. CONTRACTOR TO PROVIDE 250 FT OF WALK PAD AS SHOWN. EXACT POSITIONING OF PADS TO BE COORDINATED WITH ARCH/OWNER.

NEW ROOF ACCESS HATCH: #A3244 AS MANUFACTURED BY ACUDOR PRODUCTS, INC. 24" X 36" LADDER ACCESS ROOF HATCH (ALUMINUM).
1. CURB: 11 GA. ALUM. W/ 1" THICK FIBERBOARD INSULATION AT CURB EXTERIOR. BOTTOM FLANGE TO BE PRE-DRILLED MOUNTING HOLES.
2. COVER: 11 GA. ALUM. WITH 1" THICK FIBERBOARD INSULATION.
3. FINISH: MILL FINISH
4. SIZE: APPROX. 24" X 36" FIELD VERIFY AND COORDINATE WITH EXISTING OPENING.
5. PROVIDE OPTIONAL STAINLESS STEEL HARDWARE.

NOTES:

1. NEW ROOF DRAINS AT EXISTING OPENINGS ARE TO BE INSTALLED THROUGH OPENINGS IN EXISTING CONCRETE DECK. ALL ACCESSORIES REQUIRED FOR DRAINS TO BE PROVIDED FOR A COMPLETE AND WATERTIGHT INSTALLATION.
2. NEW ROOF DRAINS AT NEW OPENINGS ARE INSTALLED THROUGH NEW METAL DECK SYSTEM.
3. ALL ROOF DRAINS TO INCLUDE ALL FITTINGS AND OPTIONS FOR COMPLETE SECURE WATERTIGHT INSTALLATION.
4. SEE SHEET A15 FOR DETAILS FOR PLUMBING VENTS PENETRATIONS AND COORDINATE LOCATIONS WITH ALL TRADES.
5. ROOF DRAINS TO BE #Z100 15" DIA. CAST IRON BODY ROOF DRAIN AS MANUF. BY ZURN WITH UNDER-DECK CLAMP, ROOF SUMP RECEIVER, GALV. CAST IRON DOME WITH OUTLET TYPE AS REQUIRED FOR DRAIN PIPING. COORDINATE DRAINS WITH EXISTING CONDITIONS AND CONSULT WITH ARCH/OWNER WITH ANY DISCREPANCIES AND/OR CONFLICTS.
6. ROOF SYSTEM TO SLOPE TO DRAINS A MIN. OF $\frac{1}{4}$" PER FOOT.
7. REFER TO SECTIONS #75423 "THERMOPLASTIC POLYOLEFIN (TPO) ROOFING", #76200 "SHEET METAL FLASHING AND TRIM AND #77200 "ROOF ACCESSORIES" FOR ADDITIONAL INFORMATION.
8. 2-PLY FELT HOT MOPPED TEMPORARY ROOF IS TO BE APPLIED IMMEDIATELY AFTER DEMOLITION OF EXISTING ROOF SYSTEM IN ORDER TO PROTECT FROM WATER INFILTRATION DURING APPLICATION OF PERMANENT TPO ROOF SYSTEM AND THROUGHOUT THE CONSTRUCTION PROCESS. CONTRACTOR IS TO TAKE EVERY PRECAUTION TO MAINTAIN WATERTIGHT ROOF SYSTEM DURING CONSTRUCTION. CONTRACTOR TO MAINTAIN WATERTIGHT ROOF DRAIN SYSTEM DURING AND AFTER NEW DRAIN PIPING IS COMPLETE. WATERPROOF REQUIREMENT IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS KEEPING INTERIOR OF BUILDING DRY.

EXISTING DIGITAL PLANS ARE A GENERAL REPRESENTATION OF THE BUILDING AND HAVE BEEN DEVELOPED FROM OLD EXISTING DRAWINGS WITH MINIMAL SITE OBSERVATIONS. THESE DRAWINGS/FILES ARE NOT INTENDED TO BE A PRECISE REPRESENTATION OF THE EXISTING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS OF ANY AREAS THAT ARE CRITICAL TO ALL RENOVATIONS, ADDITIONS AND FUTURE DESIGN OF THIS BUILDING. ALL SQUARE FOOTAGE NUMBERS ARE APPROXIMATE.



NOTE: SEE ROOF DETAILS ON SHEET A15 FOR SPECIFIC DESIGNATIONS INDICATED.

NOTE:
1. CONTRACTOR TO PROVIDE COORDINATION DRAWINGS THAT INCLUDE A COOPERATIVE EFFORT BETWEEN VARIOUS TRADES TO SUCCESSFULLY PLACE ALL EQUIPMENT AND MATERIALS THAT PENETRATE THROUGH ROOF SYSTEM IN ORDER PROVIDE A ROOF SYSTEM LAYOUT THAT IS APPROVED BY ROOFING MANUFACTURER IN ACCORDANCE WITH THE 20 YEAR ROOF WARRANTY.

2. PROVIDE NEW LOW SLOPED TPO ROOF SYSTEM W/ TAPERED INSULATION W/ HIPS AND VALLEY, ETC. AS REQUIRED FOR POSTITIVE DRAINAGE TO NEW ROOF DRAINS. CONSULT ARCH/OWNER WITH ANY DISCREPANCIES DURING DEMOLITION. PROVIDE ALL INCIDENTAL CRICKETS AT HVAC UNITS TO POVIDE POSITIVE DRAINAGE.

ROOF PLAN

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

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FILE NAME: RLW98.dwg

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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR
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TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET A14

NOTES:

1. TEMPORARY 2 PLY HOT MOPPED ROOF SYSTEM IS TO BE INSTALLED IMMEDIATELY AFTER DEMOLITION OF EXISTING ROOF SYSTEM IN ORDER TO MAINTAIN A WATERTIGHT ROOF SYSTEM DURING RE-ROOFING AND THROUGHOUT THE CONSTRUCTION ACTIVITY..
2. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING--2010 FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COPINGS.
4. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

BASE FLASHING AT PARAPET WALL WITH METAL COPING

2011 *NOT DRAWN TO SCALE* **SP-1**

NOTES:

1. TEMPORARY 2 PLY HOT MOPPED ROOF SYSTEM IS TO BE INSTALLED IMMEDIATELY AFTER DEMOLITION OF EXISTING ROOF SYSTEM IN ORDER TO MAINTAIN A WATERTIGHT ROOF SYSTEM DURING RE-ROOFING AND THROUGHOUT THE CONSTRUCTION ACTIVITY..
2. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING--2010 FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COUNTERFLASHINGS.
4. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

BASE FLASHING WITH SURFACE-MOUNTED COUNTERFLASHING AT CONCRETE WALL

2011 *NOT DRAWN TO SCALE* **SP-5**

NOTES:

1. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING--2010 FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR GRAVEL STOPS.
2. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

EMBEDDED EDGE-METAL FLASHING [GRAVEL STOP]

2011 *NOT DRAWN TO SCALE* **SP-3A**

NOTES:

1. THE CURBS, TOP WOOD NAILER AND SEAL STRIP ARE TO BE COORDINATED WITH THE CURB MANUFACTURER.
2. THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED. COORDINATE WITH OTHER TRADES AS REQUIRED.
3. WHERE THE SKYLIGHT, SCUTTLE OR SMOKE VENT FRAME OVERLAPS THE BASE FLASHING AT LEAST 3 INCHES, THE REMOVABLE SHEET-METAL COUNTERFLASHING IS NOT REQUIRED.
4. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
5. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING--2010 FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR COUNTERFLASHINGS.
6. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

BASE FLASHING AT PREFABRICATED METAL CURB

2011 *NOT DRAWN TO SCALE* **SP-12**

NOTES:

1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING. SEE THE INTRODUCTION TO THE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
2. FLASHINGS TO BE 8 INCHES HIGH; COORDINATE PRE-MANUFACTURED BOOT FLASHINGS TO MEET THE HEIGHT REQUIREMENT.
3. REFER TO MANUFACTURERS' SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR BASE MEMBRANE ATTACHMENT.
4. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

PLUMBING VENT [PRE-MANUFACTURED BOOT]

2011 *NOT DRAWN TO SCALE* **SP-18**

NOTES:

1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING. SEE THE INTRODUCTION TO THE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
2. REFER TO MANUFACTURERS' SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR BASE MEMBRANE ATTACHMENT.
3. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

PLUMBING VENT [FIELD WRAP]

2011 *NOT DRAWN TO SCALE* **SP-18A**

NOTES:

1. THE USE OF A METAL DECK SUMP PAN IS NOT RECOMMENDED. HOWEVER, DRAIN RECEIVER/BEARING PLATES ARE APPLICABLE WITH SOME PROJECTS. COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS.
2. THE DESIGNER SHOULD CONSIDER INSULATING THE DRAIN COMPONENTS BELOW THE DECK TO PREVENT POTENTIAL CONDENSATION.
3. MEMBRANE SEAMS SHOULD NOT INTERSECT DRAIN CLAMPING RING. SEAMS THAT FALL WITHIN DRAIN SUMP SHOULD BE STRIPPED IN.
4. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
5. COORDINATE TEMPORARY ROOF SYSTEM WITH ROOF DRAINS TO PROVIDE WATERPROOF INSTALLATION IN ORDER TO PROTECT BUILDING FROM WATER INFILTRATION. COORDINATE HEIGHTS, SLOPES, FLASHINGS, ETC. AS REQUIRED TO MAINTAIN WATERTIGHT ROOF SYSTEM.

ROOF DRAIN

2011 *NOT DRAWN TO SCALE* **SP-23**

NOTES:

1. TEMPORARY 2 PLY HOT MOPPED ROOF SYSTEM IS TO BE INSTALLED IMMEDIATELY AFTER DEMOLITION OF EXISTING ROOF SYSTEM IN ORDER TO MAINTAIN A WATERTIGHT ROOF SYSTEM DURING RE-ROOFING AND THROUGHOUT THE CONSTRUCTION ACTIVITY..
2. ELEVATION OF SCUPPER FIELD VERIFIED AND COORDINATED WITH ARCH/OWNER.
3. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ALTERNATIVE BASE SECUREMENT OPTIONS.
4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING--2010 FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR SCUPPERS.
5. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

BASE FLASHING AT OVERFLOW SCUPPER

2011 *NOT DRAWN TO SCALE* **SP-25**

NOTES:

1. COORDINATE DETAILS WITH EXISTING CONDITIONS. FIELD VERIFY AND CONSULT ARCH/OWNER WITH ANY DISCREPANCIES REGUARDING STRUCTURE AND SUBSTATE.
2. GUTTER BRACKETS ARE RECOMMENDED TO BE AT LEAST ONE GAUGE HEAVIER THAN GUTTER STOCK.
3. ON BALLASTED SYSTEMS, A DRAINAGE BAR TO RETAIN BALLAST IS REQUIRED.
4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING--2010 FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR PERIMETER EDGE METAL.
5. REFER TO SECTION 10.1--INFORMATION APPLICABLE TO ALL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

GUTTER WITH PERIMETER EDGE METAL

2011 *NOT DRAWN TO SCALE* **SP-26A**

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NOTE:
ALL FACADES WITHIN 8'-0" OF GRADE/WALKS TO HAVE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD MESH™ OR STANDARD PLUS MESH™. LOCATION OF HIGH IMPACT ZONES ARE INDICATED ON CONTRACT DRAWINGS.

10 / A4 Typical Outsulation System

NOTE:
DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD MESH™ OR STANDARD PLUS MESH™. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. SLOPE BOTTOM EDGE OF REVEAL FOR POSITIVE DRAINAGE.

12 / A4 AESTHETIC REVEALS

13 / A4 Termination at Dissimilar Materials

NOTE:
1. SEALANT SHOULD NOT BE IN DIRECT CONTACT WITH FLASHING TAPE ADHESIVE; STAINING COULD OCCUR.
2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF AQUAFLASH SYSTEM.

14 / A4 Termination at Jamb

NOTE:
1 DOUBLE WRAP OUTSIDE CORNERS WITH REINFORCING MESH OR USE CORNER MESH.
2. DO NOT LAP REINFORCING MESH WITHIN 203 MM (8") OF A CORNER.

15 / A4 Outside Corners

16 / A4 Termination at Parapet

FILE NAME: RLW98.dwg

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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
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TRANSYLVANIA COUNTY, NC

DATE 23 MAR 15

SHEET **A15**

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR TRANSYLVANIA COUNTY BOARD OF ELECTION AND WELLNESS CENTER OFFICE

TRANSYLVANIA COUNTY COMMISSIONERS

BREVARD, NORTH CAROLINA

DRAWING INDEX

PAGE	DESCRIPTION
S0.1	COVER PAGE, STRUCTURAL NOTES
S1.1	FOUNDATION PLAN
S1.2	ROOF FRAMING PLAN
S2.1	FOUNDATION SECTIONS AND DETAILS
S3.1	FRAMING SECTIONS AND DETAILS

03-23-15

STRUCTURAL NOTES

A. GENERAL

1. THE PROVIDED DRAWINGS ARE LIMITED TO THE ITEMS SPECIFIED HEREIN. NO OPINION IS OFFERED, AND NONE SHOULD BE INFERRED REGARDING OTHER ASPECTS OF THIS STRUCTURE, OR THE STRUCTURES TAKE AS A WHOLE. ANY ASSOCIATED REMEDIES EXPRESSED OR REFERENCED ARE EXCLUSIVE TO THE ITEMS SPECIFIED HEREIN. NO WARRANTY IS EXPRESSED OR IMPLIED.
2. ARCHITECT AND CONTRACTOR SHALL COORDINATE DOOR AND WINDOW OPENINGS AND INTERIOR AND EXTERIOR FINISHES.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE INTERNATIONAL BUILDING CODE, AS ADOPTED AND SUPPLEMENTED BY LOCAL REGULATIONS.
4. VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION.
5. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
6. NO CHANGES TO THE INFORMATION SHOWN ON THE DRAWINGS OR SUBSTITUTIONS OF MATERIALS SHALL BE MADE WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE ENGINEER.
7. DESIGN INFORMATION SHOWN ON THE DRAWINGS PROVIDE OVERALL DIMENSIONAL PARAMETERS AND DESCRIBE ELEMENTS TO BE CONSTRUCTED.
8. THE ENGINEER SHALL BE NOTIFIED OF ANY PROPOSED MODIFICATIONS.
9. PRE-ENGINEERED WOOD MEMBERS SUCH AS TRUSSES OR SIMILAR BUILDING ELEMENTS SHALL BE DESIGNED BY THE MANUFACTURER UNLESS OTHERWISE NOTED ON THE PLANS. ALL LOADING AND DEFLECTION CRITERIA'S SHALL BE COORDINATED WITH THE OWNER OR ARCHITECT DIRECTLY FOR APPROVAL.
10. ALL INFORMATION REGARDING PRE-ENGINEERED BUILDING COMPONENTS (EG: MANUF. TRUSS LAYOUT AND LOADING) SHALL BE PROVIDED TO ENGINEER OF RECORD FOR COORDINATION AND LOAD VERIFICATION PRIOR TO CONSTRUCTION.
11. DEMOLITION SHALL INCLUDE REMOVAL, TRANSPORT AND DISPOSAL OF ALL WASTE MATERIAL RELATED TO THE CONSTRUCTION OF THE PROJECT TO AN APPROVED FACILITY.

B. DESIGN LOADS

LIVE LOADS :
- ROOF..... 20 PSF
- OFFICE..... 50 PSF
- STAIRS/CORRIDORS..... 100 PSF
- CORRIDORS..... 100 PSF

DEAD LOADS :
- ROOF..... 85 PSF - V.I.F.

SNOW LOADS:
- GROUND..... 15 PSF

WIND LOADS:
- BASIC WIND SPEED..... 90 MPH

1. ALL STRUCTURAL ELEMENTS DESIGNED TO SUSTAIN SPECIFIED DEAD AND LIVE LOADS IN COMBINATION SO AS TO PRODUCE THE MOST CRITICAL CONDITIONS.
2. PRE-ENGINEERED SYSTEMS AND COMPONENTS SHALL BE DESIGNED BASED ON THE MINIMUM LOAD REQUIREMENT PER ASCE-7 AND THE ABOVE BASIC LOAD PARAMETERS.
3. WHERE CONFLICTS OCCUR BETWEEN NOTES OR DRAWINGS, THE CONTRACTOR SHALL NOT PROCEED WITH THE AFFECTED WORK UNTIL THE STRUCTURAL ENGINEER ISSUES A CLARIFICATION.
4. THE STRUCTURAL CONTRACT DRAWINGS SHALL NOT BE USED AS TEMPLATES FOR SHOP DRAWINGS UNLESS EXPLICIT APPROVAL IS PROVIDED BY THE STRUCTURAL ENGINEER IN ADVANCE OF ANY SUBMITTALS. SUBMITTALS RECEIVED THAT HAVE USED THE DRAWINGS WITHOUT APPROVAL WILL BE REJECTED WITHOUT REVIEW.

C. FOOTINGS / FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF.
2. PRIOR TO CONSTRUCTION, SUB GRADE CONDITIONS USED AS DESIGN PARAMETERS SHALL BE TESTED AND EVALUATED BY A GEOTECHNICAL ENGINEER LICENSED IN NORTH CAROLINA. ALLOW STRUCTURAL ENGINEER TO REVIEW GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION.
3. FOUNDATION CONDITIONS DIFFERENT TO DESIGN PARAMETERS OR TO THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE STRUCTURAL AND GEOTECHNICAL ENGINEER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED.
4. THE DESIGN EXCLUDES GLOBAL STABILITY OR ANY OTHER GROUND CONDITIONS. COMPETENT, GLOBAL STABILITY, OR ANY OTHER SUB GRADE CONDITIONS SHALL BE DETERMINED BY A GEOTECHNICAL ENGINEER LICENSED IN NORTH CAROLINA.
5. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 24" BELOW FINISHED GRADE.
6. PROVIDE 4"ø PERFORATED PVC DRAIN PIPE ENCASED IN #57 WASHED STONE AND WRAPPED IN FILTER FABRIC LOCATED ALONG EXTERIOR SIDE OF ALL PERIMETER FOUNDATION WALLS ATOP OF WALL FOOTING UNLESS OTHERWISE NOTED OR SHOWN; INSTALL PIPE WITH A MIN. 1% SLOPE TO DAYLIGHT (TYP)

G. STRUCTURAL STEEL

1. STEEL WORK SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, NINTH EDITION.
2. STRUCTURAL STEEL: DESIGN PER CURRENT EDITION A.I.S.C. AS FOLLOWS WITH ONE SHOP COAT OF PAINT.
   - ROLLED SHAPES..... ASTM A-992
   - PLATES, ANGLES, AND BARS..... ASTM A-36
   - TUBES..... ASTM A-500 GR. B
   - ANCHOR BOLTS (A.B.'S)..... ASTM A-307
   - USE ONLY WHERE SPECIFICALLY CALLED FOR.
3. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
4. ALL EXTERIOR STEEL SHALL BE COATED IN INDUSTRIAL ENAMEL. TOUCH-UP DAMAGED SURFACED AFTER ERECTION.
5. AT ANCHOR BOLTS, THE NUT SHALL BE DRAWN TIGHT AND PROJECTING THREADS UPSET.
6. ALL WELDS SHALL CONFORM TO AWS D1.1, LATEST EDITION, BY CERTIFIED WELDERS. FOR ASTM A 36 STEEL, USE CLASS E70XX SERIES ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING. WELDED FIELD CONNECTIONS WILL BE ACCEPTED ONLY WHERE SPECIFICALLY SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER IN WRITING. CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC VOLUME II, CONNECTIONS MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
7. STEEL SURFACES TO BE FIELD WELDED SHALL BE CLEANED THOROUGHLY AND PRIMER REMOVED PRIOR TO WELDING. FOR FIELD WELDS EXPOSED TO THE ELEMENTS, COAT WELDS AND AREAS OF REMOVED PRIMER WITH INDUSTRIAL ENAMEL ONCE WELDING (AND INSPECTION OF WELDS, IF REQUIRED) IS COMPLETED.
8. FIELD VERIFY SITE CONDITIONS PRIOR TO FABRICATION OF STEEL WORK.
9. CONNECTORS - PER SIMPSON STRONG-TIE COMPANY.

H. MISCELLANEOUS ITEMS

1. EPOXY FOR THE SETTING OF DOWELS OR ANCHOR BOLTS SHALL BE HIT HY 150 MAX. AS MANUFACTURED BY HILTI OR AN APPROVED EQUIVALENT. INSTALLATION OF THE DOWELS/ ANCHOR BOLTS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. GROUT FOR SETTING BEARING SURFACES SHALL BE NON-SHRINK
3. WALLS RETAINING EARTH, OTHER THAN WALLS DESIGNED AS CANTILEVERS, SHALL BE ADEQUATELY BRACED UNTIL CONCRETE FOR THE SUPPORTING SLABS HAS BEEN PLACED AND SUFFICIENTLY CURED.
4. UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED, OR OTHERWISE WEAKENED WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER

No.	REVISIONS/SUBMISSIONS	Date
1	-------	-/-/--

CONSTRUCTION SET

Designed: MSM | Reviewed: EKM
Drawn: PLV | Scale: AS NOTED
Checked: EKM | Date: 3/23/15

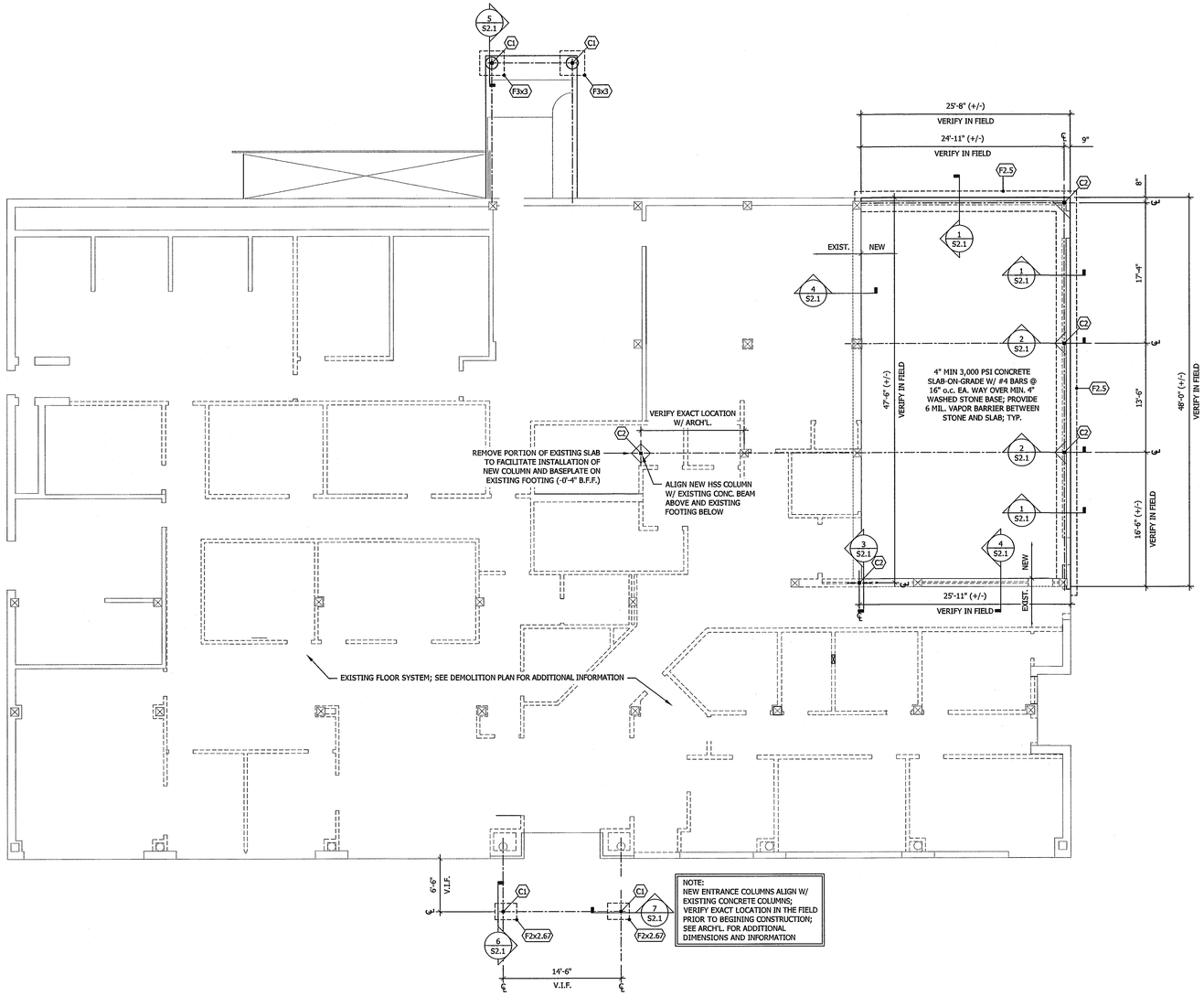
MEDLOCK & ASSOCIATES
ENGINEERING, PA
STRUCTURAL • CONSULTING • CONSTRUCTION ASSISTANCE
53 Asheland Avenue, Suite 101
Asheville, NC 28801
Phone#: (828)232-4448
Fax#: (828) 232-5224

TRANSYLVANIA COUNTY BOARD OF ELECTION AND WELLNESS CENTER OFFICES
TRANSYLVANIA COUNTY COMMISSIONERS
BREVARD NORTH CAROLINA

Project No: 362614

S0.1
1 OF 5

Drawing Title: COVER SHEET, STRUCTURAL NOTES



NOTE:
ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL OR ENGINEERED FILL - BY OTHERS

NOTE:
NEW ENTRANCE COLUMNS ALIGN W/ EXISTING CONCRETE COLUMNS; VERIFY EXACT LOCATION IN THE FIELD PRIOR TO BEGINING CONSTRUCTION; SEE ARCH'L. FOR ADDITIONAL DIMENSIONS AND INFORMATION

1 / S1.1 FOUNDATION PLAN
SCALE: 1/8"=1'-0"

TABLE 1/S1.1: COLUMN SCHEDULE

DESIGNATION	MEMBER SIZE	REMARKS
C1	4"x4"x¼" HSS COLUMN	
C2	4x4x5/16" HSS COLUMN	

TABLE 2/S1.1: FOOTING SCHEDULE

DESIGNATION	FTG. DIMENSION	REINF. SCHEDULE	REMARKS
F2X2.67	2'-0" X 2'-8" WIDE X1'-0" THICK	TRANS: #5 BARS @ 16" O.C. LONG: (3)-#5 BARS CONT.	
F2.5	2'-6" WIDE X 1'-0" THICK CONT.	TRANS: #4 BARS @ 16" O.C. LONG: (3)-#4 BARS CONT.	
F3X3	3'-0" X 3'-0" WIDE X1'-0" THICK	(3)-#5 BARS E.W. EVENLY SPACED	

NOTE: SEE FOUNDATION WALL DETAILS FOR ADDITIONAL REINFORCEMENT.

No.	REVISIONS/SUBMISSIONS	Date
-	------	--/--/--

03-23-15

CONSTRUCTION SET

Designed: MSM
Drawn: PLV
Checked: EKM
Reviewed: EKM
Scale: AS NOTED
Date: 3/23/15

MEDLOCK & ASSOCIATES ENGINEERING, PA
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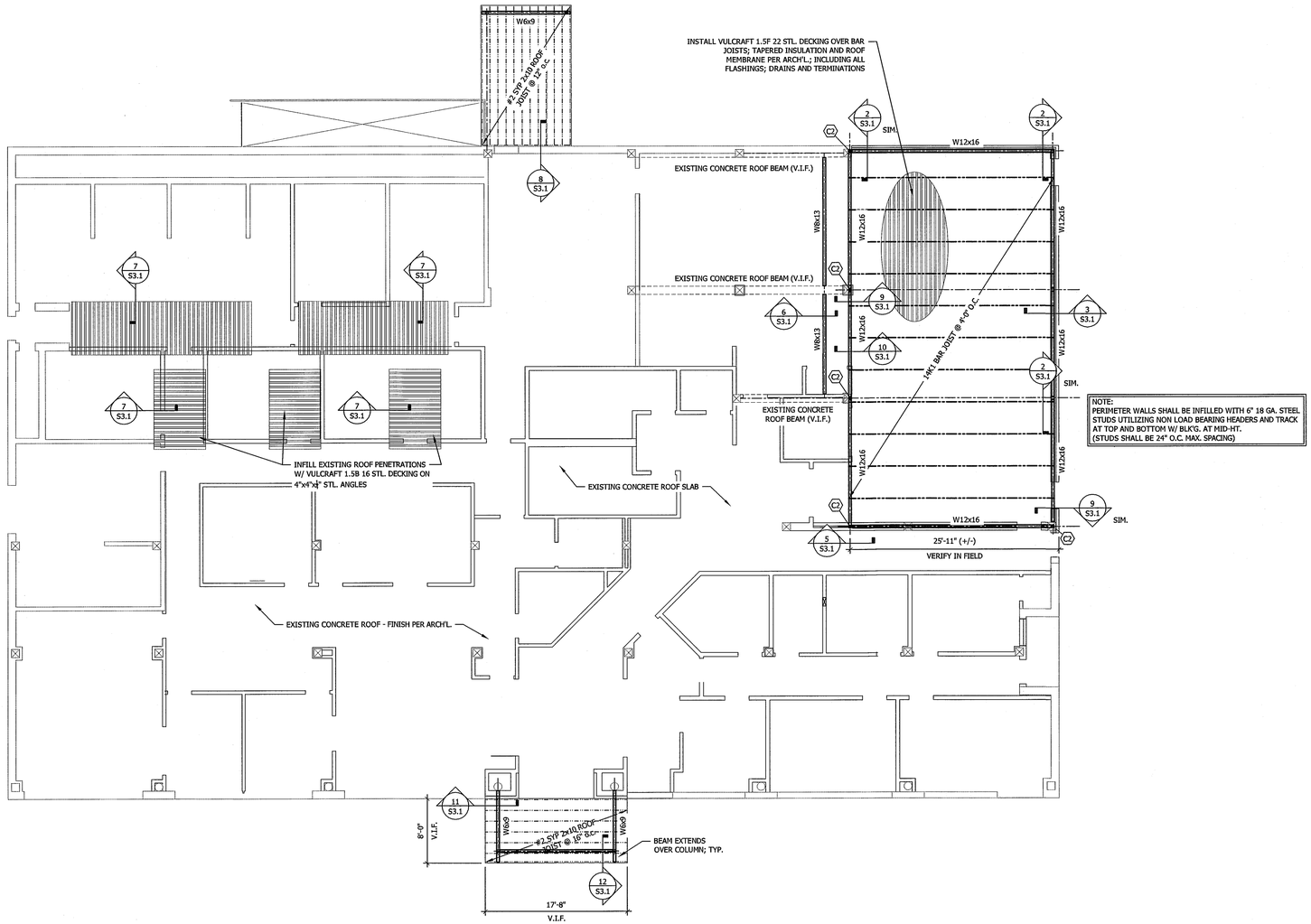
TRANSYLVANIA COUNTY BOARD OF ELECTION AND WELLNESS CENTER OFFICES
TRANSYLVANIA COUNTY COMMISSIONERS
BREVARD NORTH CAROLINA

Project No: 362614
S1.1
2 OF 5
Drawing Title: FOUNDATION PLAN



1 S1.2 ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

TABLE 1/S1.2: COLUMN SCHEDULE		
DESIGNATION	MEMBER SIZE	REMARKS
C1	4"x4"x¼" HSS COLUMN	
C2	4x4x3/16" HSS COLUMN	

No.	REVISIONS/SUBMISSIONS	Date
-	------	-/-/-

03-23-15

CONSTRUCTION SET

Designed: MSM | Reviewed: EKM
Drawn: PLV | Scale: AS NOTED
Checked: EKM | Date: 3/23/15

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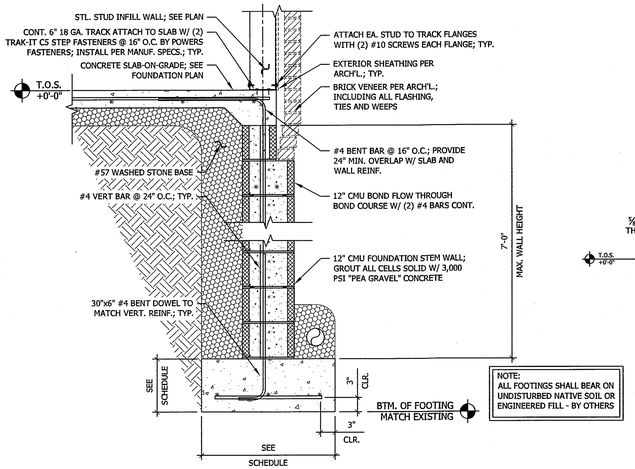
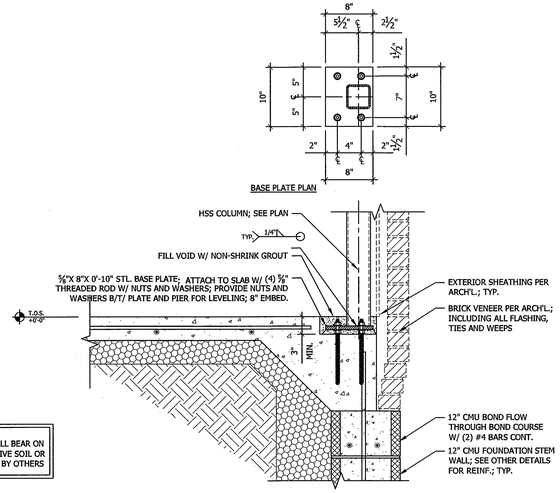
BREVARD NORTH CAROLINA

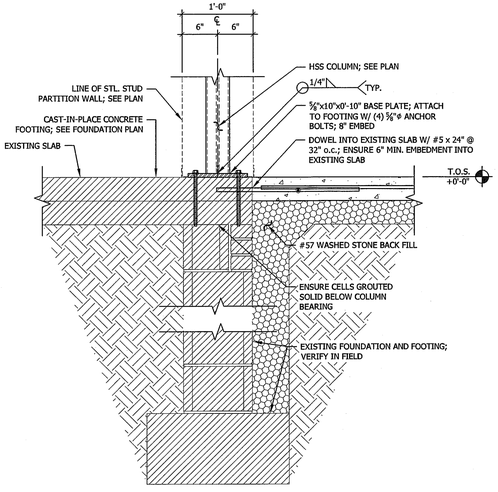
Project No: 362614
S1.2
3 OF 5
Drawing Title: ROOF FRAMING PLAN



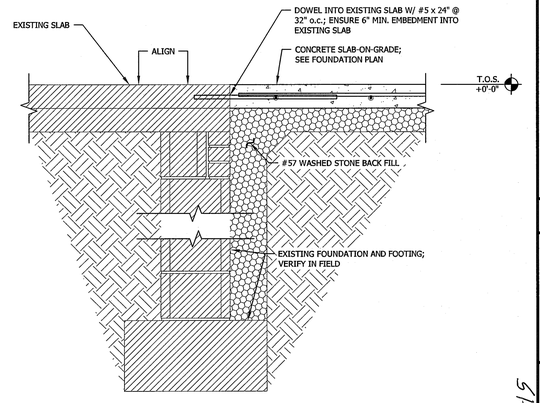
1 S2.1 FOUNDATION STEM WALL SECTON
SCALE: N.T.S.



2 S2.1 COLUMN BASE DETAIL
SCALE: 1"=1'-0"



3 S2.1 COLUMN BASE SECTION
SCALE: N.T.S.



4 S2.1 SLAB EDGE DETAIL
SCALE: N.T.S.

5 S2.1 PIER DETAIL AT SOUTH ENTRANCE
SCALE: 1"=1'-0"

6 S2.1 COLUMN FOOTING AT NORTH ENTRANCE
SCALE: 1"=1'-0"

7 S2.1 COLUMN FOOTING AT NORTH ENTRANCE
SCALE: 1"=1'-0"

No.	REVISIONS/SUBMISSIONS	Date
-	-----	-/-/-

03-23-15

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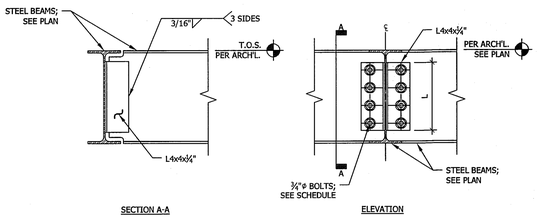
TRANSYLVANIA COUNTY COMMISSIONERS
BREVARD NORTH CAROLINA

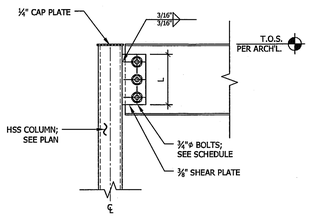
Project No: 362614
S2.1
4 OF 5
Drawing Title: FOUNDATION SECTIONS AND DETAILS

TABLE 1/S3.1: BOLTING SCHEDULE

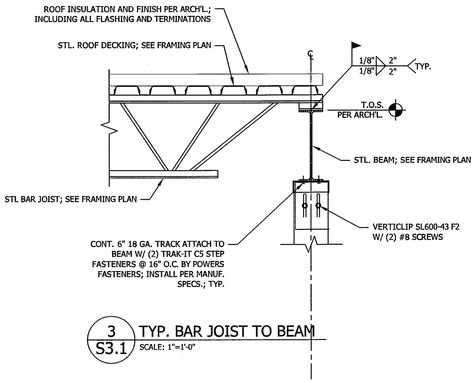
BEAM SIZE	L (IN.)	# OF BOLTS PER ANGLE
W8 & W10	5 ½"	2
W12 & W14	8 ½"	3
W16 & W18	11 ½"	4
W21 & 24	14 ½"	5



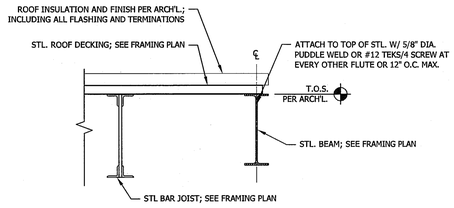
1 S3.1 TYP. STEEL BEAM TO BEAM CONNECTION
SCALE: 1"=1'-0"



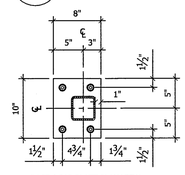
2 S3.1 TYP. STEEL BEAM TO COLUMN
SCALE: 1"=1'-0"



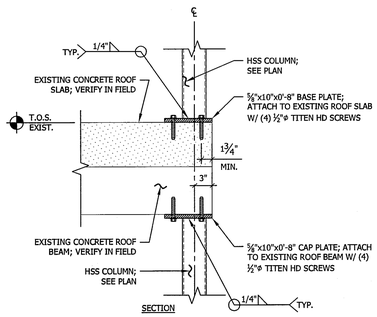
3 S3.1 TYP. BAR JOIST TO BEAM
SCALE: 1"=1'-0"



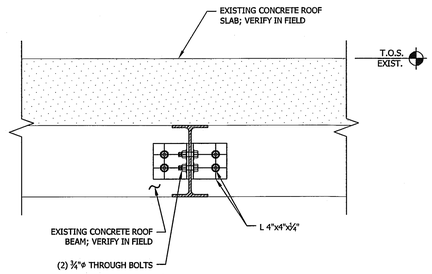
4 S3.1 TYP. DECK ATTACHMENT AT PERIMETER
SCALE: 1"=1'-0"



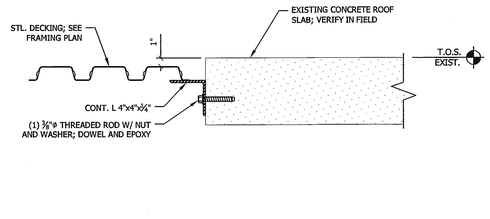
BASE / CAP PLATE PLAN VIEW



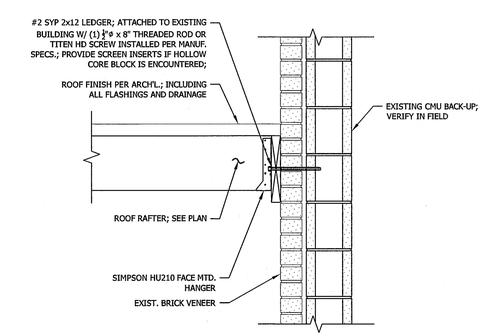
5 S3.1 CONNECTION DETAIL
SCALE: 1"=1'-0"



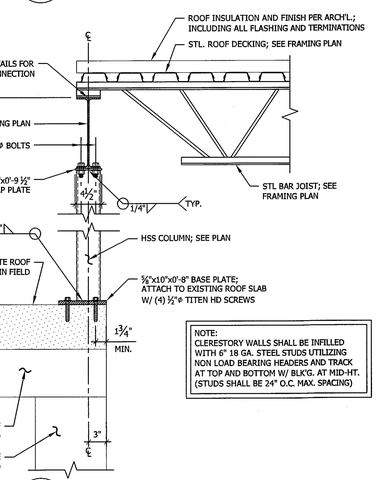
6 S3.1 PARTITION WALL BEAM
SCALE: 1-1/2"=1'-0"



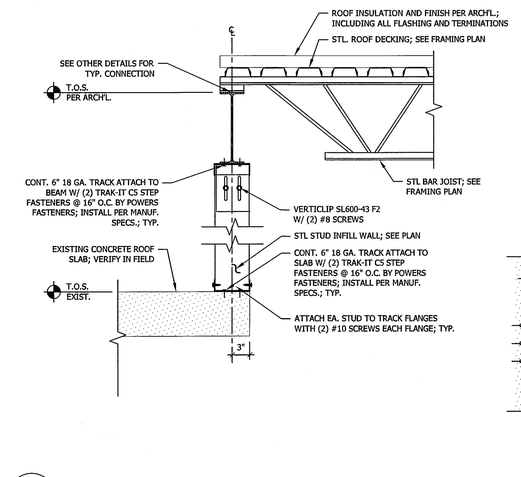
7 S3.1 ROOF INFILL DETAIL
SCALE: 1-1/2"=1'-0"



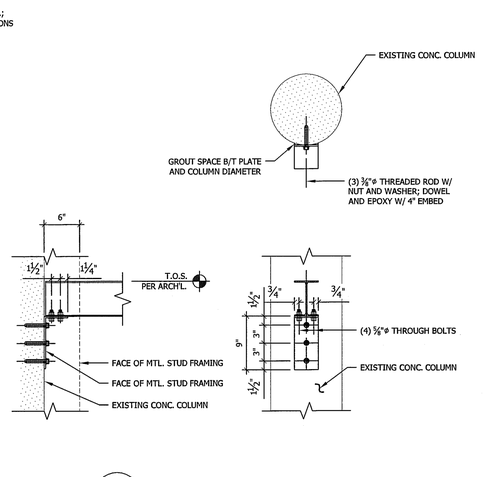
8 S3.1 CONNECTION DETAIL
SCALE: 1"=1'-0"



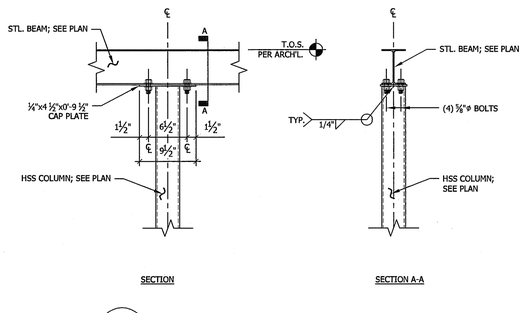
9 S3.1 CONNECTION DETAIL
SCALE: 1"=1'-0"



10 S3.1 CONNECTION DETAIL
SCALE: 1"=1'-0"



11 S3.1 BEAM BEARING DETAIL
SCALE: 1"=1'-0"



12 S3.1 BEAM BEARING DETAIL
SCALE: 1"=1'-0"

No.	REVISIONS/SUBMISSIONS	Date
-	-----	-/-/--

NORTH CAROLINA ASSOCIATES OF MEDLOCK, P.A. CERTIFICATE OF AUTHORIZATION C-1373

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 29313 EDWARD K. MEDLOCK

03-23-15

CONSTRUCTION SET

Designed: MSM
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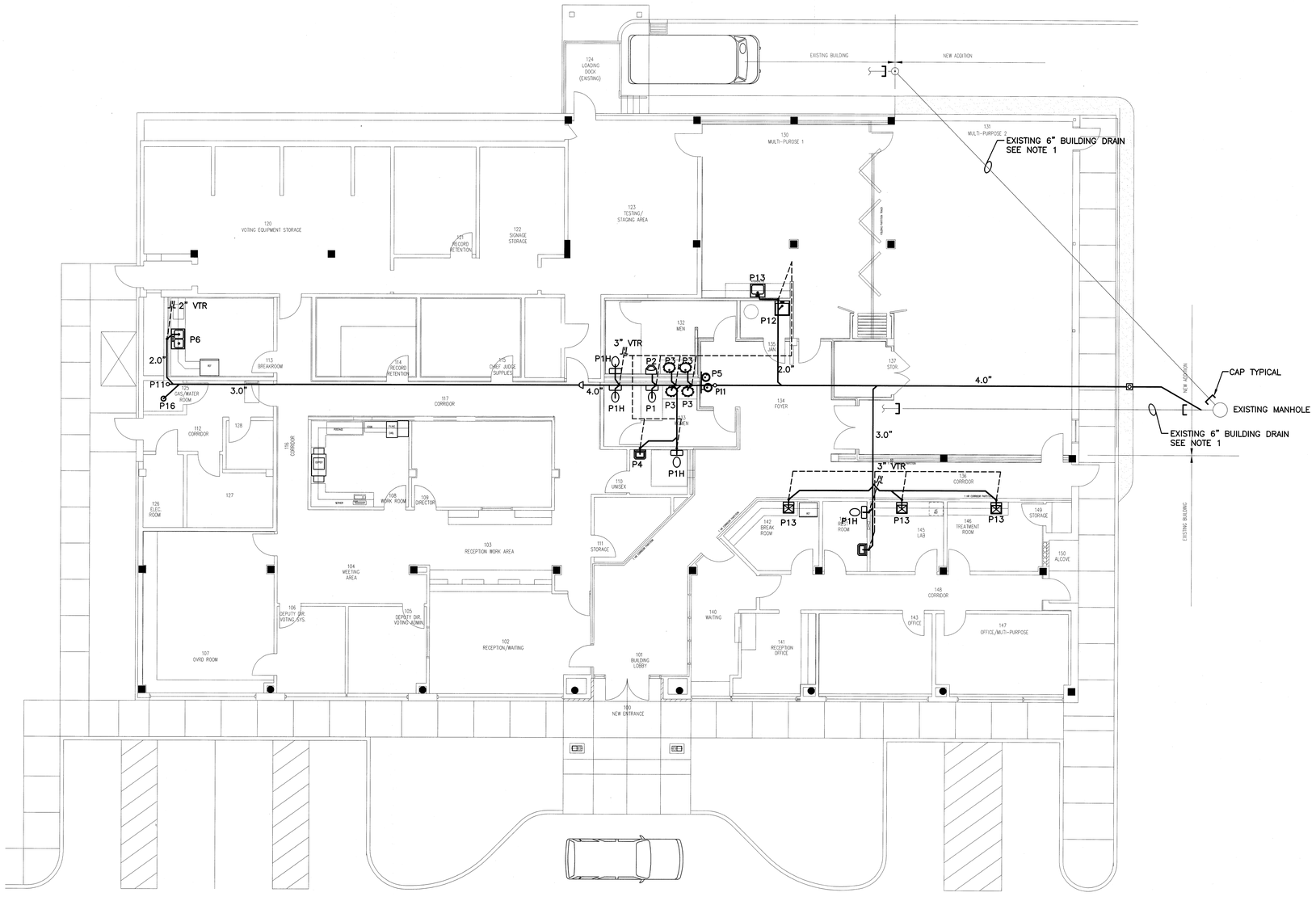
TRANSYLVANIA COUNTY BOARD OF ELECTION AND WELLNESS CENTER OFFICES
TRANSYLVANIA COUNTY COMMISSIONERS
BREVARD NORTH CAROLINA

Project No: 362614

S3.1
5 OF 5

Drawing Title: FRAMING SECTIONS AND DETAILS



1 / P101 PROPOSED PLAN – PLUMBING DWV

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

NOTES:

1. REMOVE EXISTING SANITARY DRAIN PIPING UNDER PROPOSED ADDITION. CAP AS NOTED.
2. ALL EXISTING FLOOR DRAINS, PLUMBING FIXTURES, PIPES, ETC ARE TO BE REMOVED AND PIPES FILLED WITH GROUT FOR FINISHED FLOOR. COORDINATE PROCESS AND MATERIALS WITH GENERAL CONTRACTOR TO VERIFY COMPATIBLE WITH PRODUCT TO BE USED AS BASE FOR PROPOSED FINISHED FLOOR.

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SIMS PROJECT #1443

RICHARD L. WORLEY ARCHITECT A.I.A.
4078 HAYWOOD ROAD – MILLS RIVER, NORTH CAROLINA 28759

RENOVATION TO THE OLD LAW ENFORCEMENT CENTER FOR

TRANSYLVANIA COUNTY BOARD OF ELECTIONS

TRANSYLVANIA COUNTY, NC

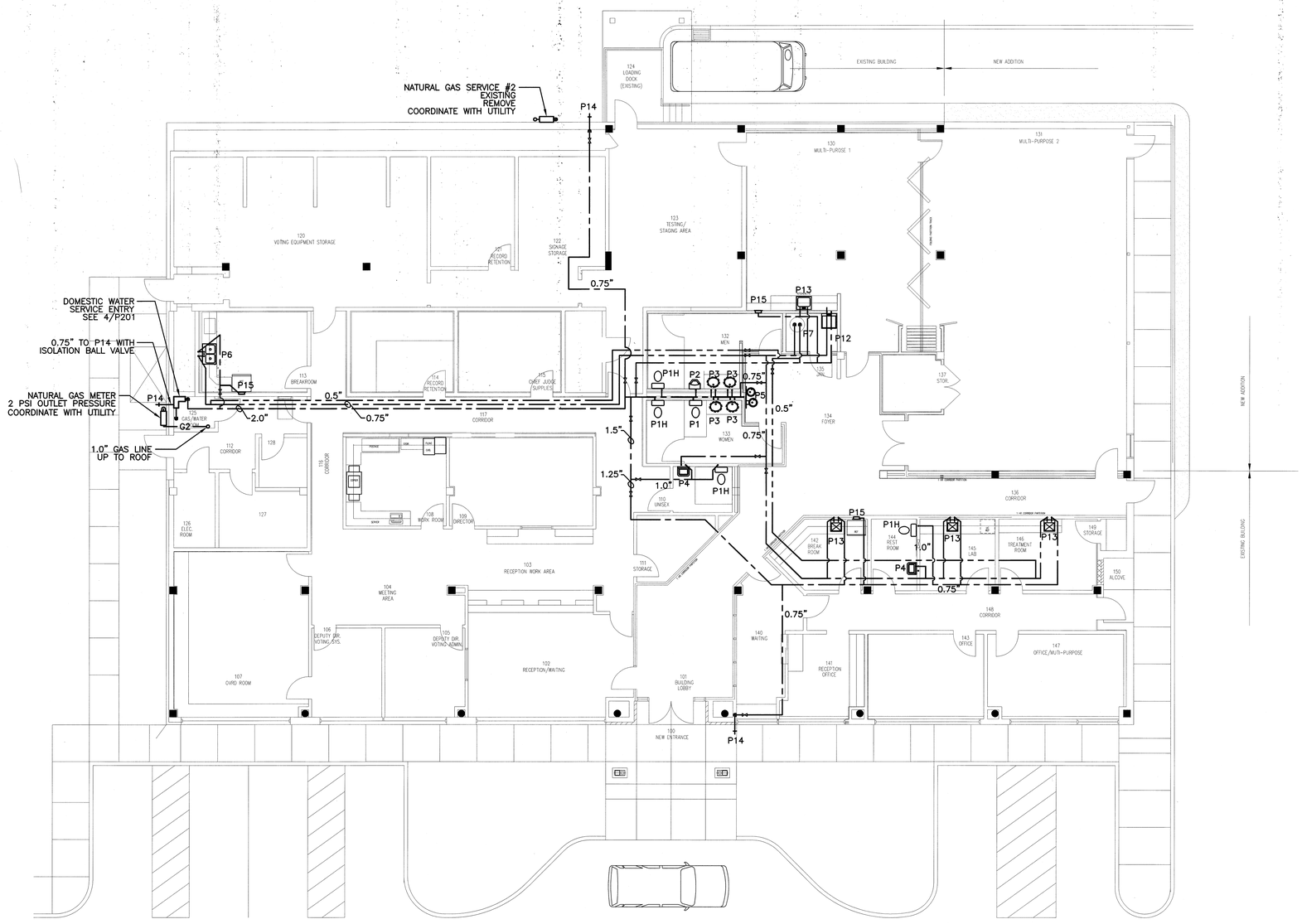
gus@simsengineers.com

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 14566 AUGUSTUS SIMS

B. Augustus Sims 3.23.15

DATE 23 MAR 15

SHEET P101



1 / P102 PROPOSED PLAN – PLUMBING SUPPLY

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

SIMS PROJECT #1443

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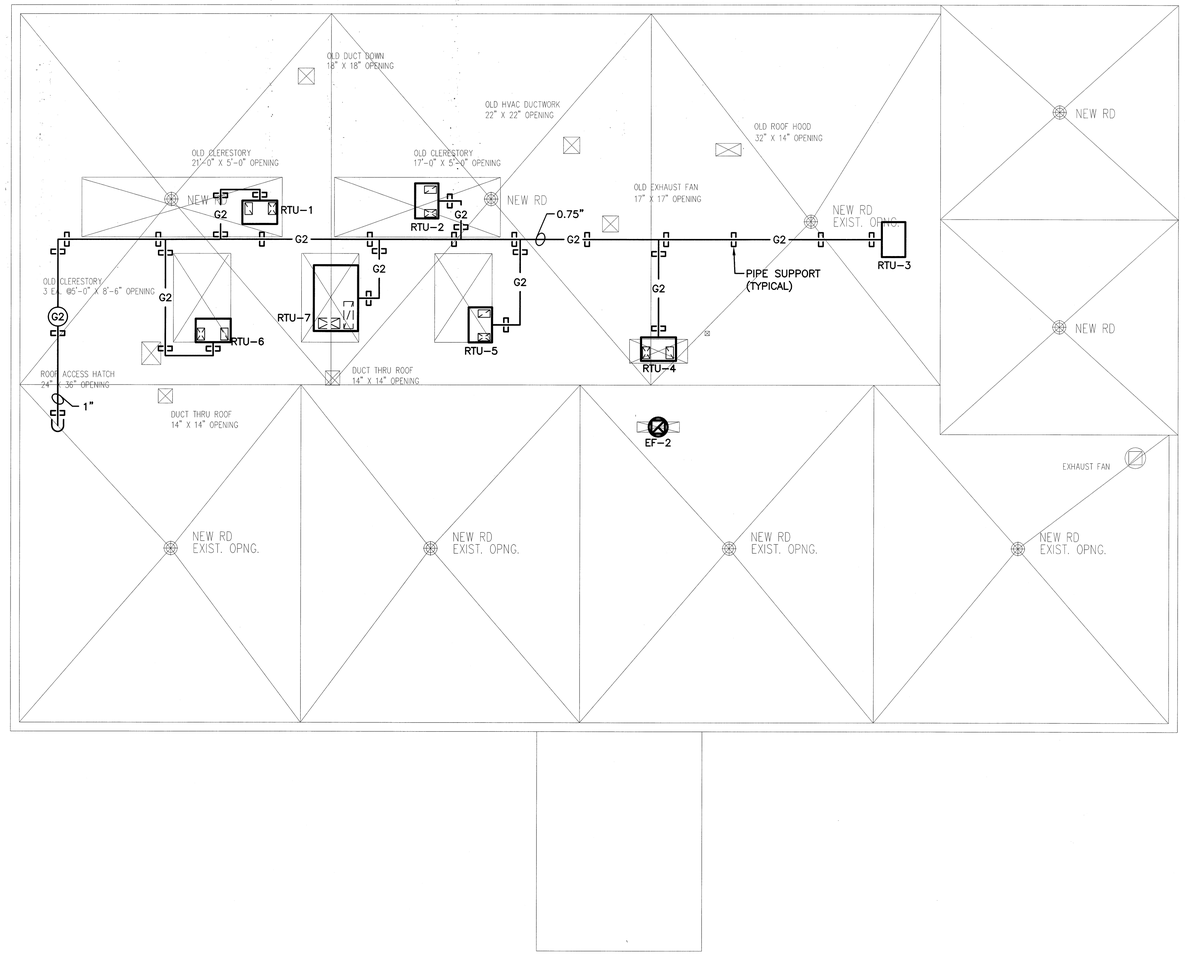
DATE 23 MAR 15

SHEET P102



1 / P103 ROOF PLAN – PLUMBING
SCALE: 1/8" = 1'-0"

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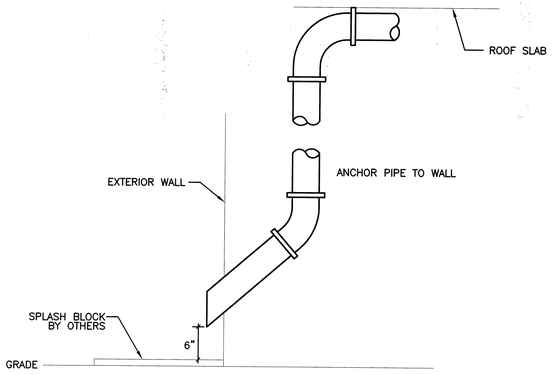
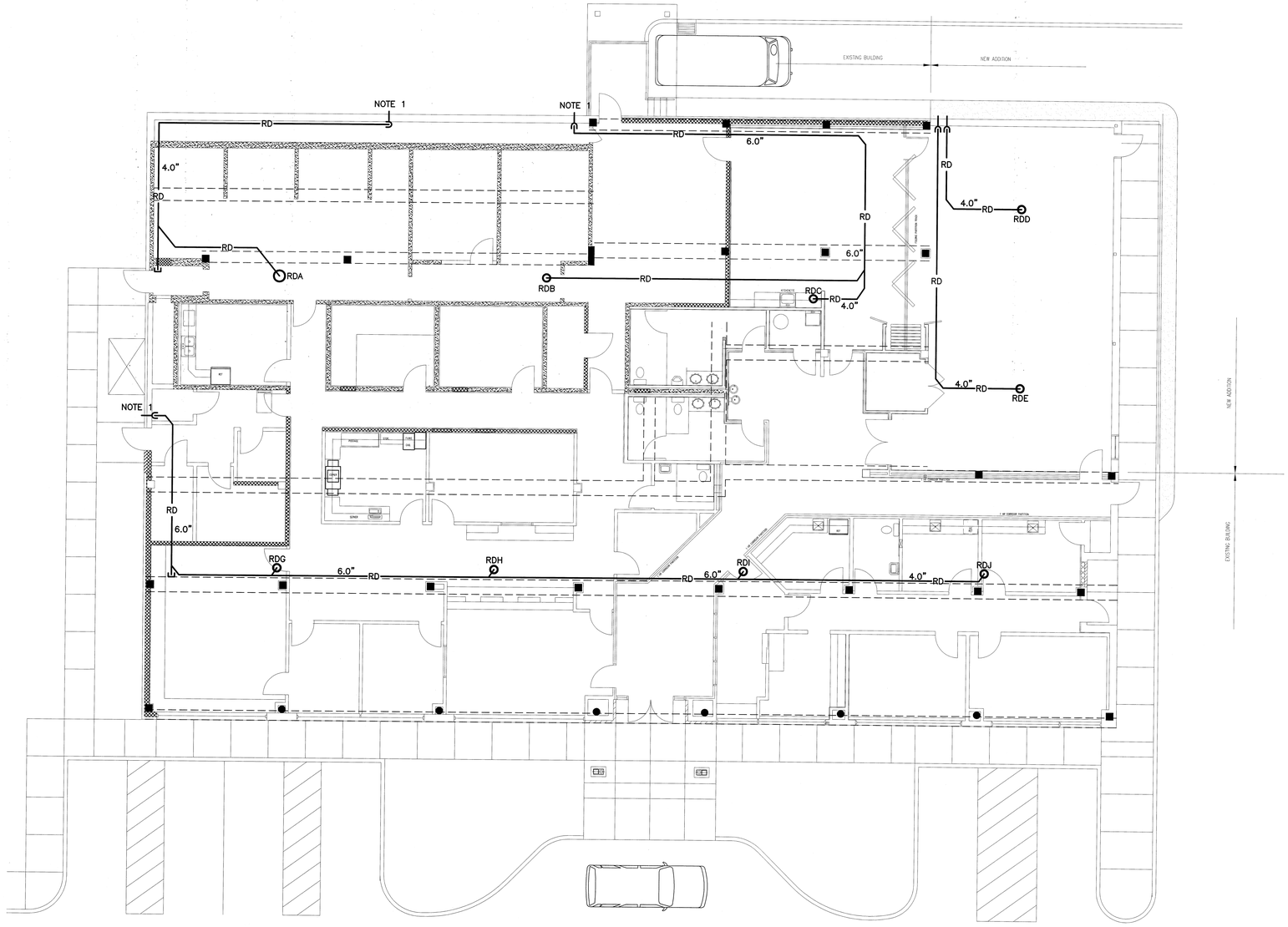
B. Augustus Sims 3.23.15

DATE 23 MAR 15

SHEET P103



2 / P104 ROOF DRAIN TERMINATION
NOT TO SCALE



1 / P104 PROPOSED PLAN – ROOF DRAIN COORDINATION
SCALE: 1/8" = 1'-0"

NOTES:

1. • EXISTING ROOF DRAIN TERMINATION THIS LOCATION.
   • RE-USE LOCATION.
   • ENLARGE HOLE AS REQUIRED.
2. • COORDINATE ROOF DRAINS WITH GENERAL CONTRACTOR.
   • SEE ARCHITECTURAL PLANS.
   • PLUMBING CONTRACTOR TO PROVIDE ROOF DRAIN PIPING.

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23 MAR 15

DATE 23 MAR 15

SHEET P104

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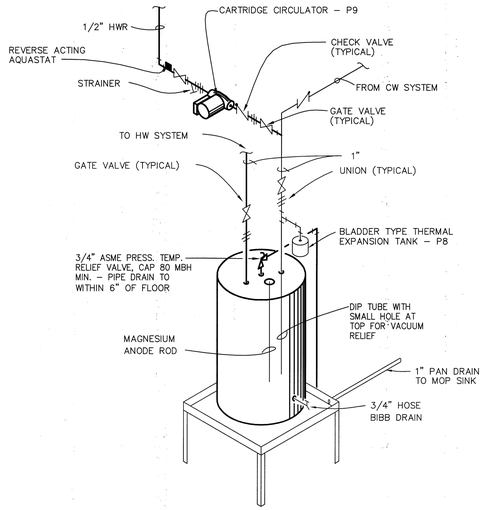


1 / P201 WATER HEATER DETAIL

NOT TO SCALE

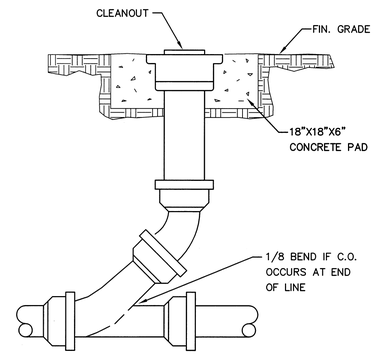
NOTES:
1. PROVIDE 1/8" INSULATION PAD BETWEEN WATER HEATER AND CONCRETE PAD.
2. PROVIDE 18" HIGH FACTORY STAND, DRAIN PAN, AND PAN DRAIN. CONCRETE PAD.

PLUMBING LEGEND	
MARK	DESCRIPTION
———	COLD WATER, COPPER RIGID "L" ABOVE GRADE, INSULATE W/1" FIBERGLASS PIPE INSULATION INSIDE BUILDING ENVELOPE, ANNEALED "K" UNDER SLAB AND BELOW GRADE, MINIMAL JOINTS UNDER SLAB. IF JOINTS UNDER SLAB REQUIRED, BRAZE JOINTS.
———	120° HOT WATER, SAME AS ABOVE
———	HOT WATER RETURN, SAME AS ABOVE
———	SOIL PIPING: BELOW GRADE – SCHEDULE 40 PVC ABOVE GRADE – CAST IRON STANDARD WIEGHT
— — —	VENT PIPING, SAME AS ABOVE
——⋈——	CUTOUT VALVE, GATE OR BALL, BRONZE, SIZE TO EQUAL PIPE, APPROVED FOR POTABLE WATER SYSTEMS
——⋈——	GATE OR BALL VALVE, BRONZE, SIZE TO EQUAL PIPE APPROVED FOR POTABLE WATER SYSTEMS
——▷|——	CHECK VALVE SAME AS ABOVE
VTR	VENT THROUGH ROOF, EXTEND 6" ABOVE ROOF, PENETRATE BEHIND ROOF PEAK OR PARAPET, PAINT TO MATCH ROOF, COORDINATE FLASHING WITH ROOF. MAINTAIN 10' CLEARANCE FROM HVAC MAKE-UP AIR INTAKES
——G2——	FUEL GAS PIPING (2.0 PSI) , INSTALL PER N.C. GAS CODE SCHEDULE 40 BLACK STEEL
——G2——	PIPE SUPPORT WITH CHANEL AND CLAMP B-LINE C-PORT "C"-SERIES AND "CE"-SERIES AS REQUIRED
——RD——	ROOF DRAIN PIPING CAST IRON STANDARD WIEGHT PROVIDE WITH 1" PREFORMED FIBERGLASS INSULATION

PLUMBING FIXTURE SCHEDULE						
ITEM NO.	ITEM	CONNECTION SIZE				DESCRIPTION
		WASTE	VENT	HOT	COLD	
P1	TOILET FLUSH VALVE	4.0"	2.0"		1.0"	ELONGATED, WHITE, VITREOUS CHINA, 1.6 GPF, AMERICAN STANDARD 'CADET' #2898.012 OPEN FRONT SEAT LESS COVER, CHURCH #9500C
P1H	TOILET FLUSH VALVE HANDICAPPED ACCESSIBLE	4.0"	2.0"		1.0"	ELONGATED, WHITE, VITREOUS CHINA, 1.6 GPF, ADA APPROVED, AMERICAN STANDARD 'CADET RIGHT HEIGHT' #2998.012 OPEN FRONT SEAT LESS COVER, CHURCH #9500C
P2	URINAL FLUSH VALVE	2.0"	1.5"		0.75"	WALL HUNG, WHITE, VITREOUS CHINA, 1.0 GPF, MOUNT AT ADA HEIGHT, AMERICAN STANDARD 'ALLBROOK' #6541.132 FLUSH VALVE: SLOAN ROYAL #186-1
P3	LAVATORY COUNTERTOP	2.0"	1.5"	0.5"	0.5"	21x17 5/8, WHITE, VITREOUS CHINA, SELF RIMMING, 4" CENTERS AMERICAN STANDARD 'CADET OVAL' #0419.444, ADA LISTED GRID STRAINER & TAILPIECE, CHICAGO #327-ACP
P3F	FAUCET USE WITH P3					SINGLE HANDLE, CHROME PLATED, AERATOR, ADA LISTED T&S BRASS # B-2711
P4	LAVATORY WALL HUNG	2.0"	1.5"	0.5"	0.5"	20 1/2x18 1/4, WHITE, VITREOUS CHINA, 4" CENTERS AMERICAN STANDARD 'LUCERNE' #0355.012, ADA LISTED GRID STRAINER & TAILPIECE, CHICAGO #327-ACP
P4F	FAUCET USE WITH P4					SINGLE HANDLE, CHROME PLATED, AERATOR, ADA LISTED T&S BRASS # B-2711
P5	WATER COOLER BI-LEVEL BARRIER FREE	2.0"	1.5"		0.5"	8 GPH, FRONT & SIDE OPERATORS, S.S. BOWL AND CABINET, MOUNT LOWER BOWL AT ADA HEIGHT HALSEY TAYLOR #HAC8FSBL-Q
P6	SINK TWO BOWL ADA LISTED	2.0"	1.5"	0.5"	0.5"	33x22x5.5", 18 GA. TYPE 304 S.S., SELF RIMMING, 3 FAUCET HOLES, ELKAY #LRAD332210 S.S. STRAINER & TAILPIECE, ELKAY #LK99
P6F	FAUCET USE WITH P6 ADA LISTED					CHROME, SWING GOOSE NECK SPOUT, AERATOR, WING HANDLES, T&S BRASS # B-1142
P7	ELECTRIC WATER HEATER			0.75"	0.75"	40 GALLON, 208V, 1ø, 2-4.5kW NON-SINKULATANEOUS ELEMENTS STATE PATRIOT #PCE 40
P8	EXPANSION TANK				0.5"	2 GALLON, GLASS LINED, BUTYL RUBBER DIAPHRAGM, STATE #ETC-2X
P9	HOT WATER CIRCULATOR			0.5"		BRONZE BODY, 1/25 HP, 120V, 1ø, 4 GPM @ 10' TOTAL HEAD TACO #007
P10	YARD CLEAN OUT					SIZE TO EQUAL LINE, CI COVER, INSTALL FLUSH TO GRADE, PROVIDE WITH 18x18x6 CONCRETE COLLAR WADE 6000
P11	FLOOR CLEAN OUT					SIZE TO EQUAL LINE, CI COVER, INSTALL FLUSH TO GRADE, PROVIDE WITH 18x18x6 CONCRETE COLLAR WADE 6000
P12	MOP SINK	3.0"	2.0"	0.5"	0.5"	24x24, TERRAZZO, 6" DROP FRONT, S.S. CAPS, FIAT #TSB 3010, FAUCET #830AA, S.S. WALL GUARDS #MSG 2424, MOP BRACKET #889 CC, HOSE & BRACKET #832 AA
P13	SINK SINGLE BOWL ADA LISTED	2.0"	1.5"	0.5"	0.5"	25x22x5.5, 18 GA. TYPE 304 S.S., SELF RIMMING, 3 FAUCET HOLES, ELKAY #LRAD2522 S.S. STRAINER & TAILPIECE, ELKAY #LK99
P13F	FAUCET USE WITH P13 ADA LISTED					CHROME, SWING GOOSE NECK SPOUT, AERATOR, WING HANDLES, T&S BRASS # B-1142
P14	FREEZE PROOF HOSE BIB				0.75"	DUAL CHECK BACKFLOW PREVENTER, VACUUM BREAKER, LOOSE TEE KEY, CHROME FINISH WOODFORD MODEL #67 WITH B67 WALLBOX
P15	ICE MAKER OUTLET BOX				0.5"	COPPER, BRASS HAMMER BALL VALVE OATEY # 38608
P16	FLOOR DRAIN	3.0"	2.0"			CAST IRON, 6" NICKEL BRONZE STRAINER WITH TRAP PRIMER MIFAB #F1100-SHG

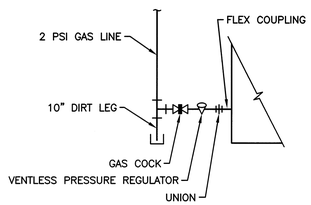
NOTES:
1. P-TRAPS SHALL BE 17 GAUGE WITH CLEAN OUT PLUGS.
2. COORDINATE FAUCETS AND FIXTURE HOLES.
3. MOUNT URINALS AT HANDICAPPED HEIGHT.
4. IF HANDICAP LAVATORY PIPING IS NOT ENCLOSED, PROVIDE DRAIN INSULATION KIT: TRUEFLO HANDI LAV GUARD.
5. PROVIDE OFF-SET DRAINS FOR HANDI-CAP LAVATORIES.
6. CONTROLS FOR HANDICAP TOILETS SHALL BE ON WIDE SIDE OF TOILET AREAS.
7. PROVIDE 18" AIR CHAMBERS AT EACH FIXTURE
8. PROVIDE P6 TAILPIECE, BREAKROOM 113 WITH CONDENSATE CONNECT DESIGN PROTOTYPE SMITH #9200.

CONNECTED NATURAL GAS LOAD	
UNIT	BTUH
RTU-1	90,000
RTU-2	60,000
RTU-3	90,000
RTU-4	90,000
RTU-5	60,000
RTU-6	60,000
RTU-7	90,000
TOTAL	540,000



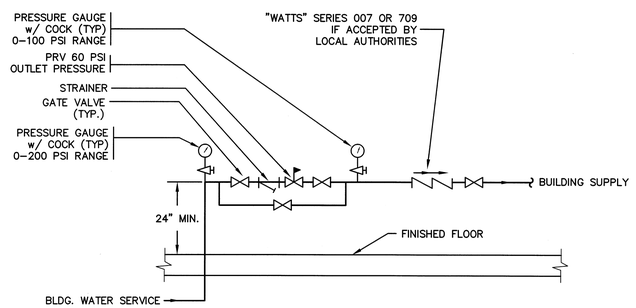
2 / P201 YARD CLEANOUT DETAIL

NOT TO SCALE



3 / P201 TYPICAL GAS CONNECTION TO AN ITEM OF EQUIPMENT

NOT TO SCALE



4 / P201 DOMESTIC WATER ENTRANCE DETAIL

NOT TO SCALE

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DATE 23 MAR 15

SHEET P201

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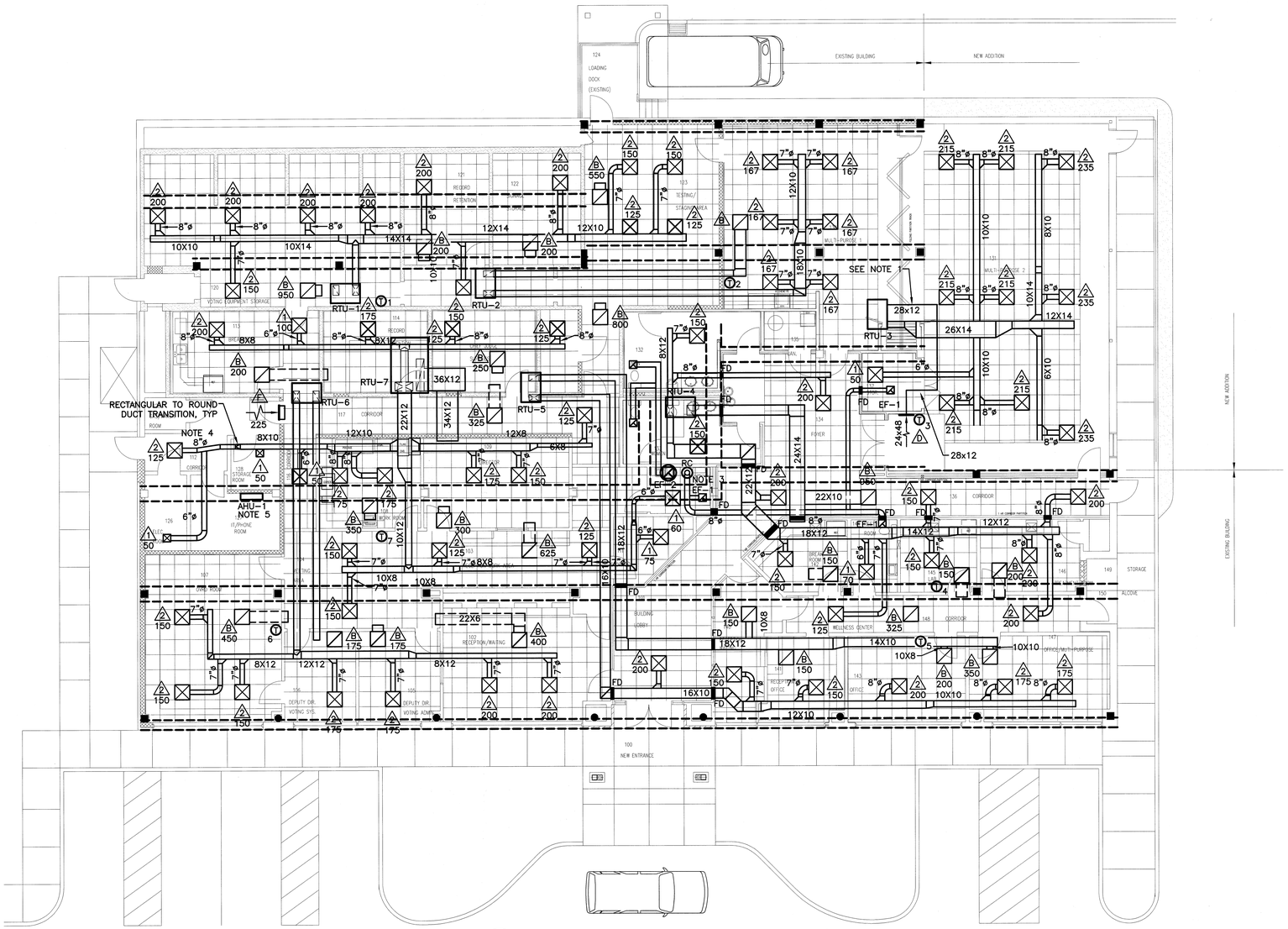

1 / M101 PROPOSED PLAN – HVAC

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

NOTES:

1. SEE ARCHITECTURAL PLANS FOR EXACT ROUTING OF RTU-3 RETURN DUCT.
2. BREAK ROOM CEILING CAVITY TO BE OPEN TO PERMIT AIR FROM CORRIDOR 148 INTO CEILING CAVITY
3. RISER TO CAP FOR THE THREE EF-1's IS 12"ø
4. PREPARE AND PRIME EXPOSED DUCT FOR FINAL PAINT.
5. PIPE CONDENSATE TO TAILPIECE OF SINK P6 IN BREAK ROOM 113.
   COORDINATE WITH PLUMBING CONTRACTOR.
   AHU CONDENSATE PUMP REQUIRED.

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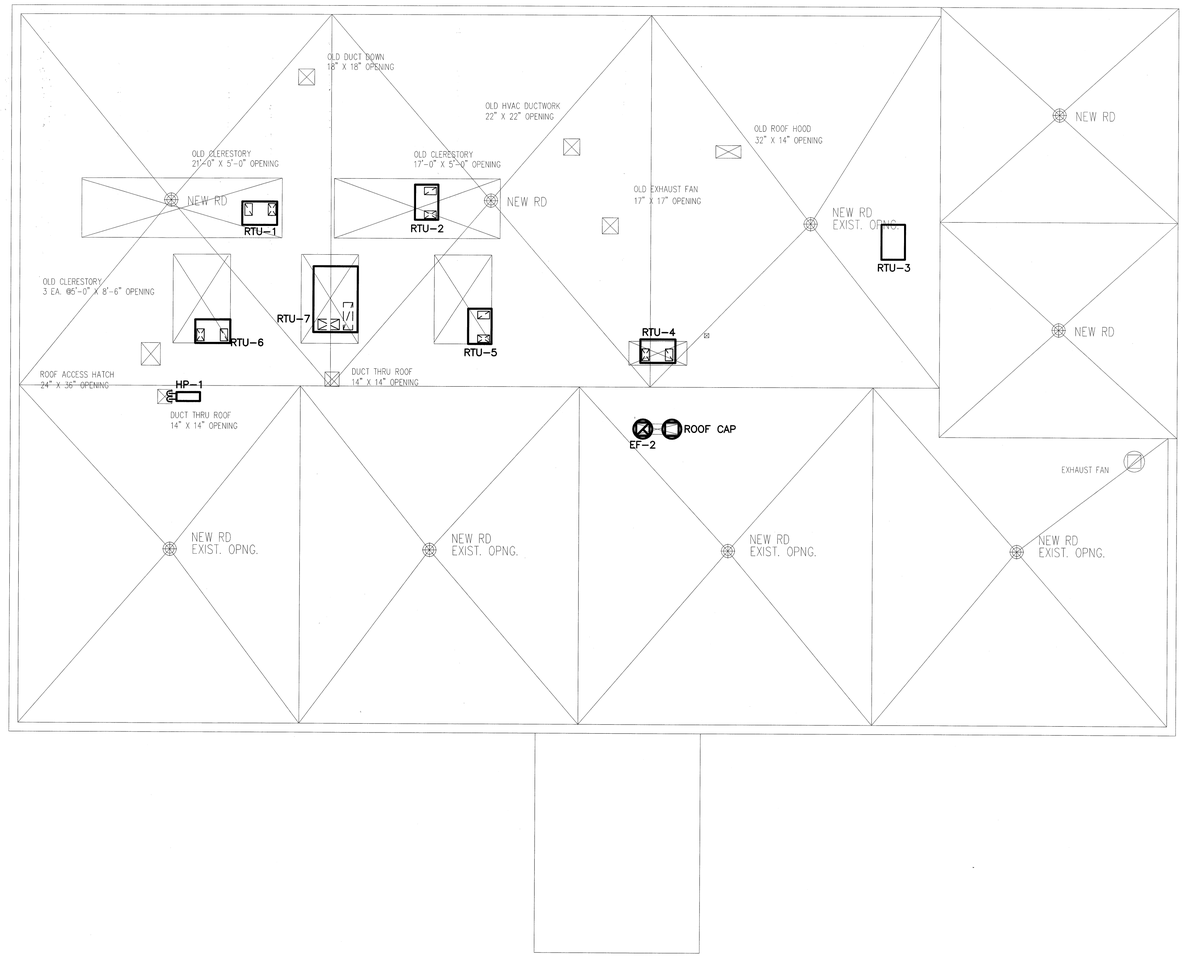

1 M102 ROOF PLAN – HVAC
SCALE: 1/8" = 1'-0"

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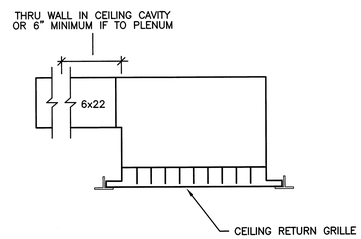
SHEET M102

HVAC LEGEND	
MARK	DESCRIPTION
(T)1	THERMOSTAT, PROGRAMABLE, 5-1-1 DAY WEEKS, NIGHT SET BACK, AUTO HEAT TO COOL, 1 HOUR OVER RIDE, CLEAR LOCKING COVER, SUBSCRIPT DENOTES UNIT CONTROLLED, 1 STAGE COOL, COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.
12 X 6	RECTANGULAR DUCTWORK, GALVANIZED, 1" INTERNALLY LINED. IN ATTIC PROVIDE ADDITIONAL 1 1/2", 3/4# DENSITY FIBERGLASS DUCT WRAP. "12" DENOTE WIDTH, "6" DEPTH. DIMENSIONS SHOWN ARE FREE AND CLEAR. TREATED WITH EPA REGISTERD BIOCIDE.
RAS	RETURN-AIR TEMPERATURE SENSOR, DUCT MOUNTED
	THAN 1.5 DUCT WIDTH OR PROVIDE RECTANGULAR ELBOWS WITH TURNING VANES.
LD-1	LOUVER, SEE SCHEDULE,
EF	EXHAUST FAN, SEE SCHEDULE
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT
S	DUCT SMOKE DETECTOR WITH AUDIO/VISUAL ALARM. DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR
	SQUARE TO ROUND TRANSITION
— C —	CONDENSATE PIPE, SCHEDULE 40 PVC, ON ROOFTOP UNITS ROUTE TO ROOF DRAINS COPPER TUBING FROM DUCTLESS AHU
2 / 200	DIFFUSER, "2" DENOTES TYPE, SEE SCHEDULE, "200" DENOTES CFM, MAY USE FLEX DUCT TO CONNECT, 5 FEET MAX.
B	RETURN GRILLE, "B" DENOTES TYPE, SAME AS ABOVE
COS	CARBON MONOXIDE SENSOR GE # 240CCE, SENSOR TO OPEN OUTSIDE AIR DAMPER TO MINIMUM POSTION. UPON DETECTION OF 25 PPM OF CARBON MONOXIDE, MOUNT BESIDE THERMOSTAT
R/D	RADIATION DAMPER
I_{FD}	FIRE DAMPER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
	TAKE OFF SUPPLY PROVIDE VOLUME CONTROL DAMPER WITH LOCKING QUADRANT AT CONNECTION TO DUCT TRUNK SUPPLY.
RC	ROOF CAP COOK MODEL PR-12



1 / M201 RETURN GRILLE SOUND TRAP DETAIL
NOT TO SCALE

PACKAGED HEATING AND AIR CONDITIONING EQUIPMENT SCHEDULE - GAS FIRED

UNIT NO.	COOLING CAPACITY			COMPRESSOR MOTOR			O.D. FAN MOTOR			HEATING CAPACITY				BLOWER						DESCRIPTION
	TOTAL (BTUH)	SENSIBLE (BTUH)	EER	QTY	FLA (EA)	VOLTS /ø	QTY	FLA	VOLTS /ø	INPUT (BTUH)		OUTPUT (BTUH)		QTY FANS MOTORS	CFM TOTAL	O.D. AIR CFM	ESP	FLA	VOLTS /ø	
										1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE							
RTU-1	57,860	44,460	12	1	16	208/3	1	1.2	208/3	90,000	–	73,000	–	1	2000	50	0.5	7.65	208/3	GAS PACK: CARRIER 48VL-A-60
RTU-2	28,600	22,250	12	1	8.3	208/3	1	0.7	208/3	60,000	–	48,000	–	1	1000	100	0.6	4.1	208/3	GAS PACK: CARRIER 48VL-A-30
RTU-3	57,860	44,460	12	1	16	208/3	1	1.2	208/3	90,000	–	73,000	–	1	2000	130	0.6	7.65	208/3	GAS PACK: CARRIER 48VL-A-60
RTU-4	57,860	44,460	12	1	16	208/3	1	1.2	208/3	90,000	–	73,000	–	1	2000	130	0.6	7.65	208/3	GAS PACK: CARRIER 48VL-A-60
RTU-5	28,600	22,250	12	1	8.3	208/3	1	0.7	208/3	60,000	–	48,000	–	1	1000	100	0.6	4.1	208/3	GAS PACK: CARRIER 48VL-A-30
RTU-6	34,200	24,500	12	1	9.0	208/3	1	1.2	208/3	60,000	–	48,000	–	1	1200	150	0.6	6	208/3	GAS PACK: CARRIER 48VL-A-36
RTU-7	75,200	45,000	12	1	19	208/3	2	1.5	208/3	90,000	–	73,000	–	1	2400	200	0.6	8.4	208/3	GAS PACK: CARRIER 48HC-A-07

NOTES:
1. PROVIDE SINGLE POINT ELECTRICAL CONNECTIONS, LOW AMBIENT CONTROLS, FACTORY DISCONNECT, AND CONVIENECE OUTLET.
2. PROVIDE MOTOR OPERATED, CO2 SENSOR CONTROLLED, NORMALLY CLOSED OUTDOOR AIR DAMPER FOR EACH UNIT.
3. COORDINATE ELECTRICAL REQUIREMENTS WITH EC PRIOR TO ORDERING AND INSTALLING EQUIPMENT.
4. DEVIATIONS FROM DESIGN CRITERIA SHALL BE HIGHLIGHTED IN SUBMITTALS.

CENTRAL HEATING AND AIR CONDITIONING EQUIPMENT SCHEDULE - DUCTLESS HEAT PUMP

UNIT NO.	COOLING CAPACITY			HEATING CAPACITY		COMPRESSOR MOTOR			O.D. FAN MOTOR			BLOWER						DESCRIPTION
	TOTAL BTUH	SENSIBLE BTUH	SEER (W/TXV)	TOTAL BTUH LOW (17°F)	COP	QTY	FLA (EA)	VOLTS /ø	QTY	FLA	VOLTS /ø	QTY FANS MOTORS	CFM TOTAL	O.D. AIR CFM	ESP	FLA	VOLTS /ø	
HP-1 AHU-1	18,000	13,000	15	13,000	2.3	1	12	208 /1ø	1	1.2	208 /1ø	1	425 290	–	0.4	1.0	208 /1ø	HP: MITSUBISHI # PUZ-A18NHA4 AHU: MITSUBISHI # PKA-A18HA4

NOTES:
1. 7 DAY PROGRAMMABLE THERMOSTAT.
2. CONDENSATE PUMP.

DIFFUSER SCHEDULE

MARK	NECK SIZE (W X H)	DESCRIPTION
1	6x6	CEILING MT., LOUVER FACE, 4-WAY THROW, STEEL, O.B. DAMPER, REMOVABLE CORE NAILOR 6500
2	9x9	SAME AS ABOVE
3	12x12	SAME AS ABOVE

EXHAUST FAN SCHEDULE

MARK	CFM	SP	RPM	HP	SONES	VOLTS	DESCRIPTION
EF-1	75	0.50	1100	–	3.4	120	CEILING MOUNTED EXHAUST FAN, HANGING KIT, BACKDRAFT DAMPER, INSULATED HOUSING, SWITCH BY EC COOK # GC-144, SEE NOTE 4
EF-2	200	0.50	1093	1/6	11.3	120	ROOF MOUNTED EXHAUST FAN, BELT DRIVE, CURB, BACKDRAFT DAMPER, INSULATED HOUSING, SWITCH BY EC COOK MODEL 60 ACEB, SEE NOTE 2

NOTES:
1. FANS BY GREENHECK OR HAMLIN ARE ACCEPTABLE.
2. PROVIDE WITH TIMER CONTROL. DESIGN PROTOTYPE TORK # EW101B.
3. DAMPER TO NOTED CFM.
4. PROVIDE WITH ONE ROOF CAP AND CURB FOR ALL THREE EF-1 UNITS. DESIGN PROTOTYPE COOK MODEL PR-8.

RETURN REGISTER SCHEDULE

MARK	THROAT	DESCRIPTION
A	10x22	0.5x0.5x1 CUBE LOUVER, ALUMINUM WITH FRAME, LAYIN, OPPOSED BLADE DAMPER, BAKED OFF-WHITE FINISH, METALAIRE CC15TB
B	22x22	
C	12x12	
D	24(W)x48(H)	LOUVER FACE, FIXED 45° BLADES, STEEL NAILOR MODEL 6155H
F	12(W)x8(H)	

SUPPLY & RETURN GRILLE NOTES:
1. DIFFUSER AND RETURN GRILLE FRAMES SHALL MATCH CEILING TYPES. SEE ARCHITECTRUAL CEILING PLAN.
2. PROVIDE LAY IN FRAMES IF IN ACOUSTICAL CEILINGS.
3. PAINT DUCT FLAT BLACK BEHIND DIFFUSERS AND GRILLE.
4. LOCATE PER REFLECTED CEILING PLANS AND ARCHITECTURAL ELEVATIONS.
5. PROVIDE TEGULAR FRAMES IF IN TEGULAR CEILINGS.
6. COORDINATE COLOR AND FINISH WITH ARCHITECT.

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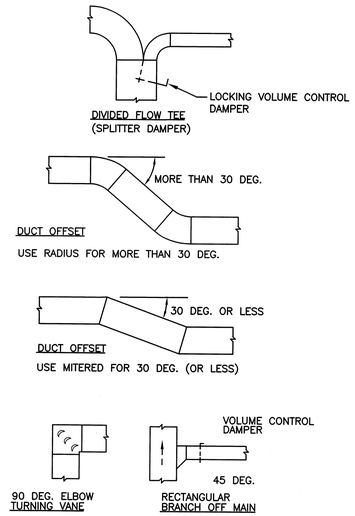
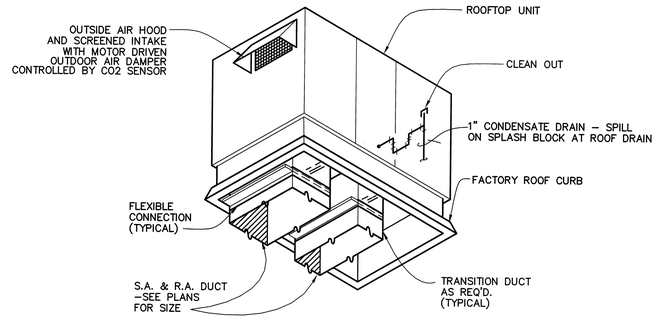
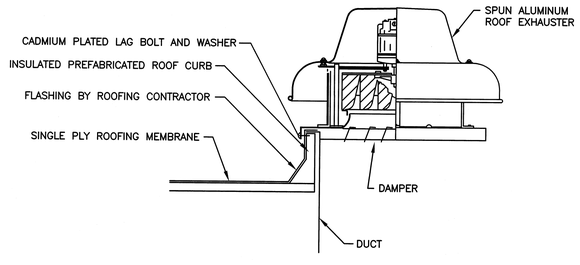


1 M202 SHEET METAL FITTINGS–LOW VELOCITY
NOT TO SCALE



2 M202 ROOFTOP GAS FIRED UNIT DETAIL
NOT TO SCALE

NOTE:
1. COORDINATE INSTALLATION OF DUCT SMOKE DETECTOR IN RETURN OF EACH UNIT WITH FIRE ALARM CONTRACTOR.



3 M202 ROOF EXAUSTER DETAIL
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SHEET M202

1 / E101 PROPOSED PLAN – LIGHTING

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

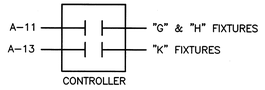
OCCUPANCY SENSOR LEGEND	
SYMBOL	DESCRIPTION
W	OCCUPANCY SENSOR, PIR, WALL MOUNT, 800 WATT, LINE VOLTAGE WATTSTOPPER # PW-101
WD	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL MOUNT, 800 WATT, LINE VOLTAGE WATTSTOPPER # DW-101
W2	OCCUPANCY SENSOR, PIR, WALL MOUNT, INBOARD/OUTBOARD SWITCHING, 800 WATT, LINE VOLTAGE WATTSTOPPER # PW-201
D	OCCUPANCY SENSOR, DUAL TECHNOLOGY, 800 WATT, LINE VOLTAGE WATTSTOPPER # DT-355
OE	OCCUPANCY SENSOR, PIR, 800 WATT, EXTENDED RANGE, LINE VOLTAGE WATTSTOPPER # CI-355-1

GENERAL LIGHTING NOTES:

1. FIXTURES IN ACT CEILINGS SHALL HAVE SUPPORT WIRES TO BUILDING STRUCTURE AS FOLLOWS:
   TROFFERS: VERTICAL WIRE AT EACH CORNER (TOTAL OF FOUR)
   DOWNLIGHTS: TWO VERTICAL WIRES DIAMETRICALLY OPPOSITE
2. WALL-MOUNTED EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE SUPPLIED BY HOT LEG, NOT SWITCH LEG.
   INTERIOR: SUPPLY FROM CIRCUIT THAT SUPPLIES NORMAL LIGHTING TO THE SAME SPACE.
   EXTERIOR: SUPPLY FROM NEAREST INTERIOR LIGHTING CIRCUIT U.O.N.
3. EXTERIOR EMERGENCY FIXTURES: CAULK AROUND EDGES OF BACKPLATE.
4. WALL-MOUNTED EMERGENCY LIGHTS MOUNTED 8'-0" AFF U.O.N.
5. UNLESS OTHERWISE NOTED FOR 120-VOLT, 20-AMP CKTS:
   #10 AWG SHALL BE USED FOR CKTS LONGER THAN 75 FEET
   #12 AWG SHALL BE USED FOR CKTS SHORTER THAN 75 FEET
6. "BE", "DE1", AND "DE2" FIXTURES ARE NIGHT LIGHTS, THAT IS, THEY ARE NOT SWITCHED. SUPPLY "BE" AND "DE1" FIXTURES FROM CIRCUIT A-17. SUPPLY "DE2" FIXTURES FROM CIRCUIT B-13.
7. WALL MOUNTED OCCUPANCY SENSORS SHALL BE SET FOR "MANUAL-ON" OPTION.

SPECIFIC LIGHTING NOTES:

1. "C" FIXTURES IN PLUMBING CHASE SHALL BE WALL MOUNTED.
2. "C" FIXTURES IN CORRIDOR 112 SHALL BE SUSPENDED WITH CABLE..



NOTE:
1. SEE ELECTRICAL LEGEND FOR CONTROLLER LC SPECIFICATIONS.
2. CONTROLLER SHALL BE LOCATED IN ELEC RM 126.

2 / E101 CONTROL DETAIL

NOT TO SCALE

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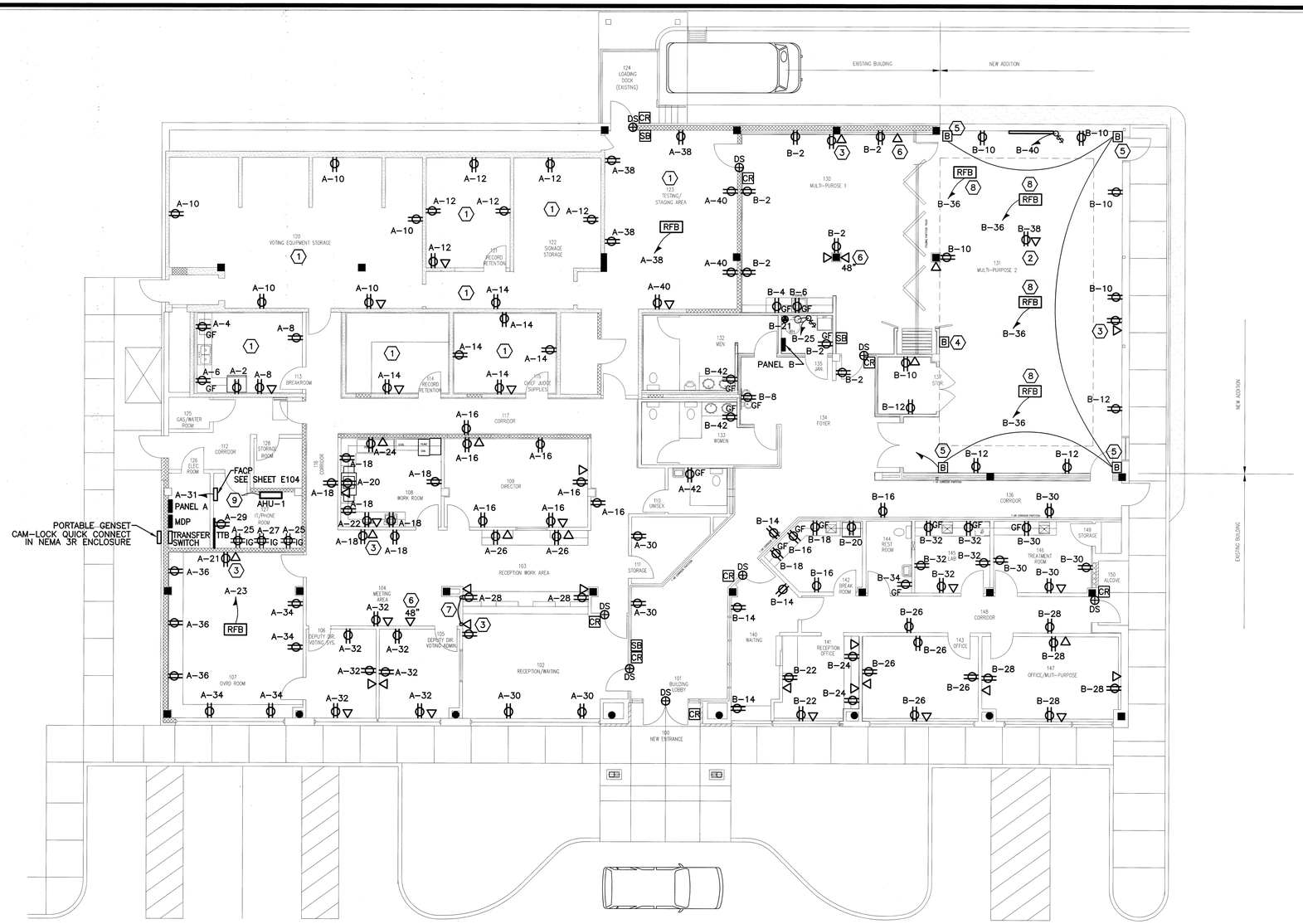

1 / E102 PROPOSED PLAN – POWER

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

DOOR CONTROL LEGEND	
SYMBOL	DESCRIPTION
DS ⊕	ELECTRIC DOOR STRIKE. PROVIDE 0.75" CONDUIT WITH PULL CORD TO ABOVE CEILING.
SB	4" SECURITY CONTROL OUTLET BOX. PROVIDE 0.75" CONDUIT WITH PULL CORD TO ABOVE CEILING.
CR	4" OUTLET BOX FOR CARD READER. PROVIDE 0.75" CONDUIT WITH PULL CORD TO ABOVE CEILING.

GENERAL POWER NOTES:

1. TYPE MC CABLE WITH COPPER CONDUCTORS AND GREEN GROUND MAY BE USED FOR CONCEALED BRANCH CIRCUITS. REDHEAD BUSHINGS SHALL BE PROVIDED AT EACH TERMINATION.
2. ALL CIRCUITS SHALL HAVE EQUIPMENT GROUNDING CONDUCTORS.
3. METALLIC WATER PIPING AND GAS PIPING SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM. (SEE NEC SECTION 250.104)
4. EMT CONNECTORS AND COUPLINGS SHALL BE STEEL COMPRESSION TYPE.
5. UNLESS OTHERWISE NOTED FOR 20-AMP CKTS: #10 AWG SHALL BE USED FOR CKTS LONGER THAN 75 FEET. #12 AWG SHALL BE USED FOR CKTS SHORTER THAN 75 FEET
6. CONDUCTOR SIZES SMALLER THAN #8 AWG SHALL BE SOLID.
7. PROVIDE AND INSTALL CONDUIT FOR HVAC CONTROL WIRING AS REQUIRED. SEE HVAC PLAN FOR T-STATS.
8. MOUNT RECEPTACLES 16" AFF UNLESS OTHERWISE NOTED.
9. FIRESTOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS.

SPECIFIC POWER NOTES:

1. WALL FINISHES THIS AREA ARE EXISTING TO REMAIN. ALL WIRING SHALL BE IN RACEWAY AND ELECTRICAL DEVICES SHALL BE SURFACE MOUNTED.
2. CEILING MOUNTED RECEPTACLE AND DATA OUTLET FOR PROJECTOR. COORDINATE EXACT LOCATION WITH OWNER.
3. MOUNT RECEPTACLE AND DATA OUTLET HIGH ON WALL FOR MONITOR. COORDINATE EXACT LOCATION WITH OWNER.
4. OUTLET BOX FOR WINDOW BLIND CONTROLS. COORDINATE EXACT LOCATION WITH WINDOW BLIND INSTALLER.
5. OUTLET BOX FOR MOTORIZED WINDOW BLINDS. COORDINATE EXACT LOCATION WITH WINDOW BLIND INSTALLER.
6. TERMINATE CONDUIT IN CEILING CAVITY WITH GROMMET.
7. 1.5" CONDUIT FROM UNDER COUNTER AT RECEPTION WORK AREA TO RECEPTACLE AT WALL HUNG MONITOR.
8. TERMINATE DATA CONDUIT IN CEILING CAVITY. CONCEAL TO CEILING IN GYBOARD WALL CAVITY.
9. AHU-1 IS SUPPLIED FROM HP-1 ON ROOF.

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3.23.15
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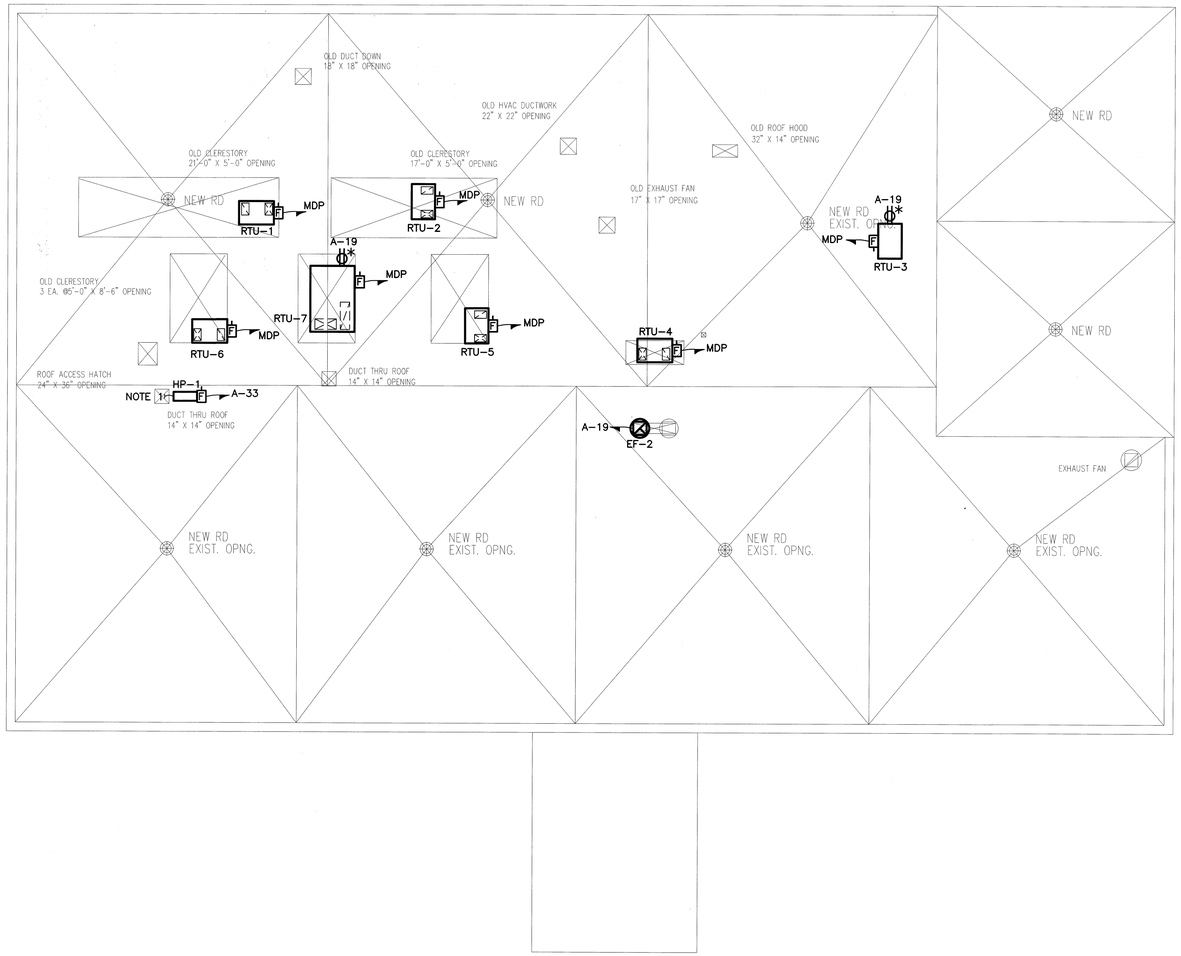
DATE 23 MAR 15

SHEET E102

SIMS PROJECT #1443



1 / E103 ROOF PLAN – POWER

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

NOTE:

1. PROVIDE 2-#10, #10 G IN 0.75" CONDUIT TO FEED AHU-1 IN ROOM 127.

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RENOVATION TO THE OLD LAW ENFORCEMENT CENTER
FOR
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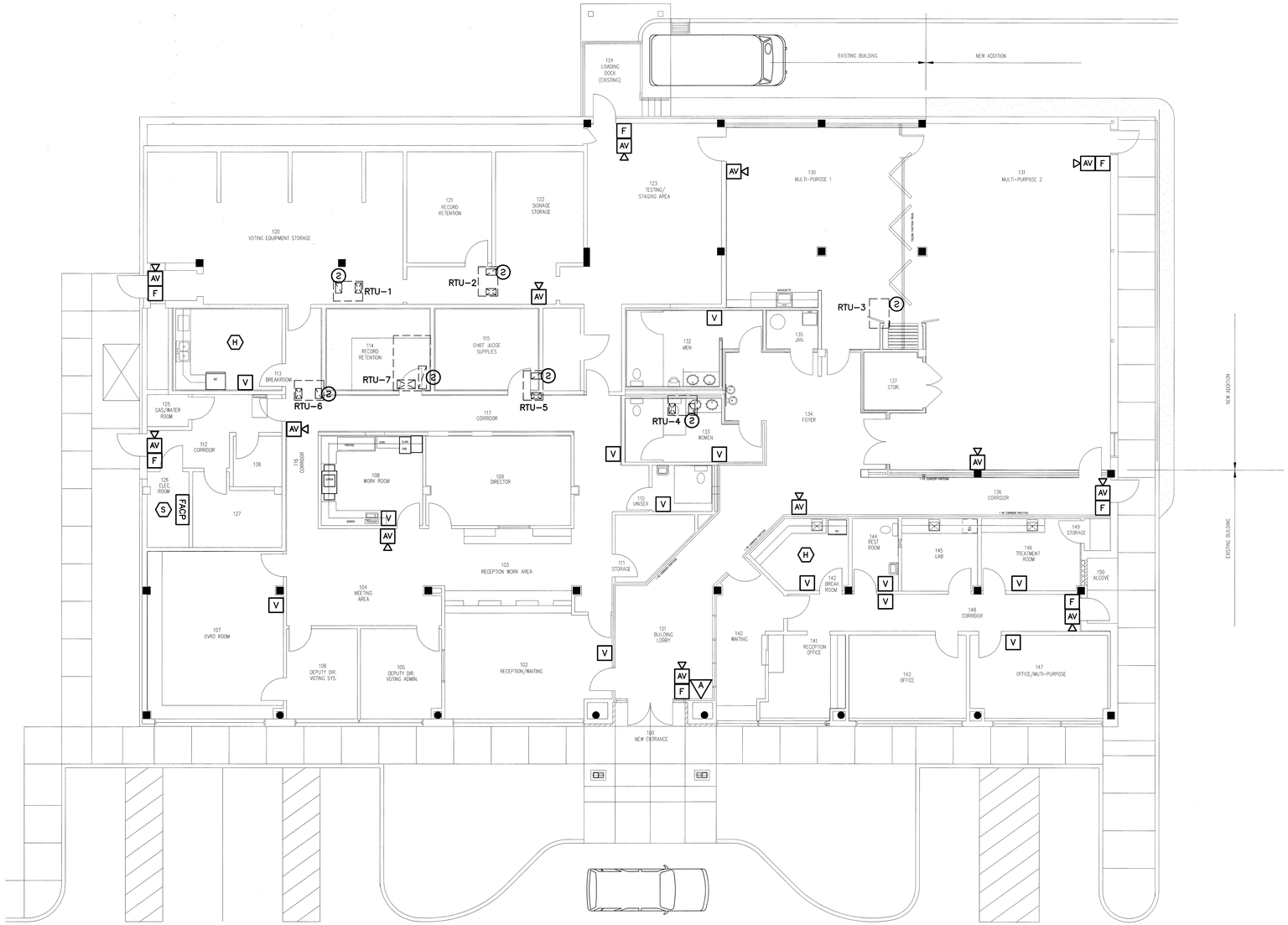
SHEET E103

FIRE ALARM LEGEND	
MARK	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
A	REMOTE ANNUNCIATOR
AV	AUDIO/VISUAL INDICATOR
V	VISUAL INDICATOR
S	SMOKE DETECTOR
F	PULL STATION
H	HEAT DETECTOR
2	DUCT SMOKE DETECTOR SEE NOTE 2

NOTES:
1. THIS IS AN INTELLIGENT ADDRESSABLE SYSTEM.
2. UPON GENERAL ALARM RTUs SHALL BE SHUT DOWN.



1 / E104 PROPOSED PLAN – FIRE ALARM RACEWAY
SCALE: 1/8" = 1'-0"

NOTES:
1. FIRE ALARM SYSTEM DESIGN AND DEVICES SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE 0.75" CONDUITS WITH PULL CORD AS NEEDED TO INSTALL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH FIRE ALARM CONTRACTOR.

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SHEET E104

ABBREVIATIONS	
ACT	ABOVE COUNTER TOP
AFCI	ARC–FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AIC	AMPS INTERRUPTING CURRENT
AL	ALUMINUM
C	CONDUIT
C/B	CIRCUIT BREAKER
CU	COPPER
G OR EGC	EQUIP GROUNDING CONDUCTOR
GF OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IAW	IN ACCORDANCE WITH
IG	ISOLATED GROUND
IGC	ISOLATED GROUND CONDUCTOR
IR	INTERRUPTING RATING
N	NEUTRAL
OVHD	OVERHEAD
SCCR	SHORT CIRCUIT CURRENT RATING
SSW	SAFETY SWITCH
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UNDG	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
XFMR	TRANSFORMER

LIGHTING FIXTURE SCHEDULE

MARK	VOLT * AMPS PER FIXTURE	DESCRIPTION	BALLAST	LAMPS NO.	LAMPS CODE	LAMPS COLOR TEMP (K)	LAMPS CRI*
	–	EMERGENCY LIGHTING FIXTURE, WALL MOUNT NICKEL CADMIUM BATTERY CHLORIDE # CAX6NH	–	–	8 WATT SUPPLIED W/ FIXTURE	–	–
	–	EXIT SIGN, LED LAMPS, PLASTIC HOUSING NICAD BATTERY, SELF–DIAGNOSTIC CHLORIDE # VE*WEMSD	–	–	SUPPLIED W/ FIXTURE	–	–
	–	EMERGENCY LIGHT, WET LABEL, CHLORIDE # SV16–L–X–HR MILL FINISH	–	–	SUPPLIED W/ FIXTURE	–	–
A	90	2x4 RECESSED TROFFER, 18 CELL SPECULAR ALZAK PARABOLIC LOUVER, WILLIAMS # HE3G–D24–332–36S–EB2/1–UNV	TWO ELECTRONIC	3	F32T8/835	3500	85
B	60	LENSED TROFFER, 2 x 4, 2–LAMP, 0.125 INCH LENS – WILLIAMS # 50G–S24–232–SA12125–EB2	ELECTRONIC	2	F32T8/735	3500	75
BE	60	SAME AS "B" EXCEPT WITH 90 MINUTE BATTERY BACK–UP	ELECTRONIC	2	F32T8/735	3500	75
C	60	1x4 SURFACE MOUNT, 0.125" ACRYLIC PRISMATIC WRAP AROUND LENS, WILLIAMS # 23–4–232–A–EB2–UNV	ELECTRONIC	2	F32T8/835	3500	85
D	35	2x2 RECESSED TROFFER, 9 CELL SEMI–SPECULAR ALZAK PARABOLIC LOUVER, WILLIAMS # HE3G–D22–217–33S–EB2–UNV	ELECTRONIC	2	F17T8/735	3500	75
DE	35	2x2 RECESSED TROFFER, SAME AS "D" BUT WITH 90 MIN BATTERY BACKUP WILLIAMS # HE3G–D22–217–33S–EM700(T8)/2–120	ELECTRONIC	2	F17T8/735	3500	75
F	60	WALL BRACKET, 4–FT, ALUMINUM HOUSING, UP/DOWN – WILLIAMS # WMA–4–232–A–DL–EB2	ELECTRONIC	2	F32T8/735	3500	75
G	70	10" SQUARE SURFACE MOUNT, ALUMINUM BODY, POLYCARBONATE PRISMATIC LENS, INFINITY # SMSQ9–PSMH–50–MED–120	MAGNETIC	1	50MH	3000	62
H	35	RECESSED EXTERIOR DOWNLIGHT SEE NOTE 7 SPECTRUM # SGE8LED0S–35W–40KE2/AR82230S–SG–SO–WL	–	–	LED	–	–
K	40	EXTERIOR WALL PACK, FULL CUTOFF SEE NOTE 7 STONCO # LP16T	–	–	LED	–	–
L	40	6"ø APERTURE DOWNLIGHT, SPECULAR ALZAK REFLECTOR, HEAT SINK, INFINITY # PV60–132T–CS–EB1–UNV	ELECTRONIC	1	PL–T32W/835	3500	82
M	50	LED TROFFER, 2x4, 0–10V DIMMING GE # BR24–0–A2–A–V–WHITE	–	–	LED	3500	80
ME	50	LED TROFFER, 2x4, EMERGENCY BATTERY BACKUP 0–10V DIMMING GE # BR24–0–A2–A–V–WHITE–EL	–	–	LED	3500	80
U1	20	UNDERCABINET, 24" – DAYBRITE # CU17A–120–LP	ELECTRONIC	1	F17T8	–	–
U2	30	UNDERCABINET, 36" – DAYBRITE # CU25A–120–LP	ELECTRONIC	1	F25T8	–	–

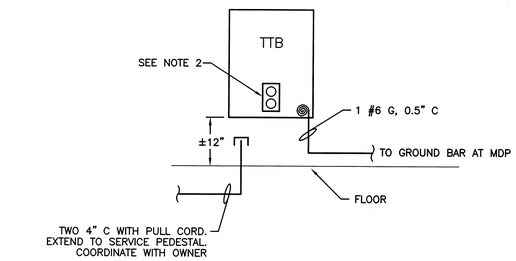
*CRI = COLOR RENDERING INDEX

NOTES:
1. ELECTRONIC BALLASTS SHALL BE INSTANT–START MANUFACTURED BY ADVANCE, OSRAM, OR UNIVERSAL.
2. BALLASTS SHALL BE 120 VOLTS UNLESS OTHERWISE NOTED.
3. SEE ARCHITECT'S REFLECTED CEILING PLAN FOR PRECISE FIXTURE LOCATIONS.
4. COLOR/FINISH OPTIONS SHALL BE SELECTED BY ARCHITECT.
5. EXIT SIGNS: COORDINATE COLORS AND MOUNTING WITH ARCHITECT.
6. FIXTURES WITH TWO BALLASTS SHALL ACCOMMODATE DUAL–LEVEL SWITCHING.
7. FOR INFORMATION CONCERNING "H","K", AND "M" FIXTURES CONTACT: TOM HARRIS – EGI ASSOCIATES (704)561–3337

ELECTRICAL LEGEND

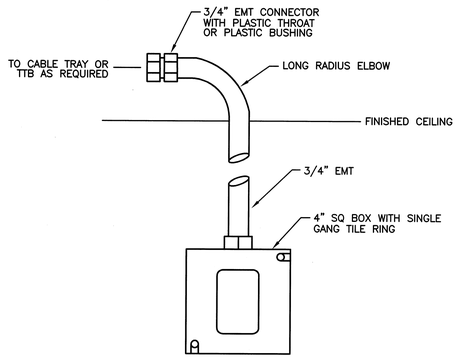
SYMBOL	DESCRIPTION
$	SINGLE POLE TOGGLE SWITCH, 20 A HUBBELL #CSB120
$3	3–WAY, 20A TOGGLE SWITCH HUBBELL #CSB320
$$	TWO$ OR $3 FOR DUAL–LEVEL SWITCHING.
D	FL DIMMER, SELECTED BY EC, COORDINATE WITH OWNER. EC SHALL ENSURE THAT DIMMER IS COMPATIBLE WITH FIXTURES BEING CONTROLLED.
LC	LIGHTING CONTROL, ELECTRO–MECH, DPST, TORK # 7200
	OUTLET BOX WITH 20A SINGLE POLE TOGGLE SWITCH AS DISCONNECT MEANS
F	HEAVY DUTY SAFETY SWITCH, FUSIBLE, 240 V, EQUIPMENT GROUND. CLASS R REJECTION KIT NEMA 3R IF OUTSIDE, SEE NOTE 4
	RECEPTACLE, 20 AMP, HUBBELL #HBL5352
GF	RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING, 20 AMP. TESTS FOR SENSING & TRIPPING FUNCTION HUBBELL #GFR5362
*	RECEPTACLE, 20–AMP, GFCI, WP HUBBELL #GFR5352ST WITH WP COVERS #WP8MP
RFB	RECESSED FLOOR BOX, STEEL, CARPET FLOOR, 2 DUPLEX RECEP, 2 TELE/DATA BKTS. CARPET TRIM PLATE, 3/4" C TO TTB FOR TELE/DATA. TELE/DATA PLATES,JACKS AND CABLE SHALL BE PROVIDED BY OWNER'S COMMUNICATIONS CONTRACTOR. WIREMOLD # RFB4/RAKMII
	COMMUNICATION OUTLET SEE 2/E201
TTB	TELEPHONE TERMINAL BOARD. SEE 1/E201
	EXHAUST FAN SUPPLIED AND INSTALLED BY MC. CONNECTED BY EC.
IG	QUADRUPLEX RECEPTACLE, ISOLATED GROUND, 20A SEE 3/E202 HUBBELL #IG420

NOTES:
1. EQUIVALENT DEVICES BY PASS & SEYMOUR MAY BE SUBSTITUTED FOR THE HUBBELL DEVICES.
2. WALLPLATES SHALL BE STAINLESS STEEL U.O.N.
3. COLORS SHALL BE SELECTED BY ARCHITECT.
4. UNLESS OTHERWISE NOTED, FUSE SAFETY SWITCHES WITH BUSS #FRN–R. INSTALL CLASS R REJECTION KIT.



1 / E201 TELEPHONE TERMINAL BOARD
NOT TO SCALE

NOTES:
1. TTB: 4'x8'x3/4" FIRE–RETARDANT PLYWOOD BACKBOARD.
2. DUPLEX RECEPTACLE SUPPLIED BY DEDICATED CIRCUIT. SEE PLAN FOR CIRCUIT NUMBER.



NOTES:
1. BOX FITTINGS AND CONDUIT PROVIDED BY EC. JACKS, PLATE, AND CABLE PROVIDED BY OWNER.
2. MOUNT 16" AFF UNLESS OTHERWISE NOTED.
3. ALL CONDUITS SHALL BE PROVIDED WITH PULL CORDS.

2 / E201 DATA/COMM OUTLET DETAIL
NOT TO SCALE

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SHEET E201

PANEL SCHEDULE

PANEL DESIGNATION: MDP | LOCATION: ELEC RM 126

VOLTAGE RATING: 208Y/120 | BUS RATING: 600 AMPS | MCB (600A) | PHASE: 3 | NO. OF WIRES: 4 | NEMA 1 ENCLOSURE | SURFACE MOUNT

TYPE: I-LINE | INTERRUPTING RATING: 25,000 AMPS RMS FULLY RATED

SPECIAL FEATURES:
1. THIS PANEL SHALL HAVE AN ISOLATED GROUND BAR IN ADDITION TO THE STANDARD GROUND BAR. IG BAR SHALL BE INSULATED FROM THE ENCLOSURE. SEE 2/E202 FOR IG CIRCUIT REQUIREMENTS.

OTHER REQTS:

LOAD	CB	PHASE A VA	PHASE B VA	PHASE C VA	CB	LOAD
PANEL A	3P 200A	–			3P 200A	PANEL B
		–	–			
			–	–		
				–		
RTU-2 3-#12, #12 G, 0.75" C	3P 20A	1824			3P 20A	RTU-5 3-#12, #12 G, 0.75" C
		1824	1824			
			1824	1824		
				1824		
RTU-1 3-#8, #10 G, 0.75" C	3P 40A	3456			3P 40A	RTU-4 3-#8, #10 G, 0.75" C
		3456	3456			
			3456	3456		
				3456		
RTU-3 3-#8, #10 G, 0.75" C	3P 40A	3456			3P 25A	RTU-6 3-#10, #10 G, 0.75" C
		2233	3456			
			2233	3456		
				2233		
RTU-7 3-#6, #10 G, 0.75" C	3P 60A	5148				PREPARED SPACE
		–	5148			
			–	5148		
				–		
PREPARED SPACE		–				PREPARED SPACE
		–	–			
			–	–		
				–		
		–	–	–	TOTAL CONNECTED LOAD	– VA – AMP

PANEL SCHEDULE

PANEL DESIGNATION: A | LOCATION: ELEC ROOM 126

VOLTAGE RATING: 208Y/120 | BUS RATING: 225 AMPS | MCB | PHASE: 3 | NO. OF WIRES: 4 | NEMA 1 ENCLOSURE | SURFACE MOUNT

TYPE: NQ | INTERRUPTING RATING: 10,000 AMPS RMS FULLY RATED

SPECIAL FEATURES:
1. THIS PANEL SHALL HAVE AN ISOLATED GROUND BAR. IG BAR SHALL BE INSULATED FROM THE ENCLOSURE.
2. IG = CIRCUITS INDICATED SHALL HAVE ISOLATED GROUND CONDUCTORS. SEE 2/E202 FOR IG CIRCUIT REQUIREMENTS.

OTHER REQTS:
1. SINGLE-POLE C/B 20 AMP U.O.N.

CIRC. NO	LOAD	CB	PHASE A VA	PHASE B VA	PHASE C VA	CB	LOAD	CIRC. NO
1	LTG, RMS 113,114,115,120,121,122,123	–	1600			–	RECEPT, REFRIGERATOR, RM 113	2
			1200					
3	LTG, RMS 108,109,125,126,127,128	–		1020		–	RECEPT, MICROWAVE, RM 113	4
				1800				
5	LTG, RMS 102,104,105,106,107,110,111	–			1410	–	RECEPT, RM 113	6
					400			
7	LTG, CORRIDOR	–	270			–	RECEPT, RM 113	8
			400					
9	LTG, CORRIDOR 116,117	–		540		–	RECEPT, RM 120	10
				1000				
11	LTG, EXTERIOR	–			–	–	RECEPT, RM 121,122	12
					1200			
13	LTG, EXTERIOR	–	–			–	RECEPT, RM 114,115	14
			1200					
15	SPARE	–		–		–	RECEPT, RM 109	16
				1400				
17	NIGHT LIGHTS (EMERGENCY FIXTURES)	–			–	–	RECEPT, RM 108	18
					1000			
19	EF-2 AND MAINTENANCE RECEPTS ON ROOF	–	1000			–	RECEPT, COPIER, RM 108	20
			1800					
21	MONITOR RECEPT, RM 107	–		1200		–	RECEPT, SERVER, RM 108	22
				1800				
23	FLOOR BOX RECEPT, RM 107	–			400	–	RECEPT, POSTAGE, RM 108	24
					1000			
25	RECEPT, RM 128	IG	400			–	RECEPT, RM 103	26
			400					
27	RECEPT, RM 128	IG		200		–	RECEPT, RM 103	28
				400				
29	TTB	–			200	–	RECEPT, RM 102	30
					600			
31	FACP	–	500			–	RECEPT, RM 105,106	32
			1400					
33	HP-1 2-#10, #10 G, 0.75" C	2P 20A		1248		–	RECEPT, RM 107	34
35				800				
					1248		RECEPT, RM 107	36
					600			
37	PREPARED SPACE	–	–			–	RECEPT, RM 123	38
			600					
39	PREPARED SPACE	–		–		–	RECEPT, RM 123	40
				600				
41	PREPARED SPACE	–			–	–	RECEPT, RM 110	42
					200			
		–	–	–	TOTAL CONNECTED LOAD		– VA – AMP	

PANEL SCHEDULE

PANEL DESIGNATION: B | LOCATION: ELEC ROOM 126

VOLTAGE RATING: 208Y/120 | BUS RATING: 225 AMPS | MCB | PHASE: 3 | NO. OF WIRES: 4 | NEMA 1 ENCLOSURE | SURFACE MOUNT

TYPE: NQ | INTERRUPTING RATING: 10,000 AMPS RMS FULLY RATED

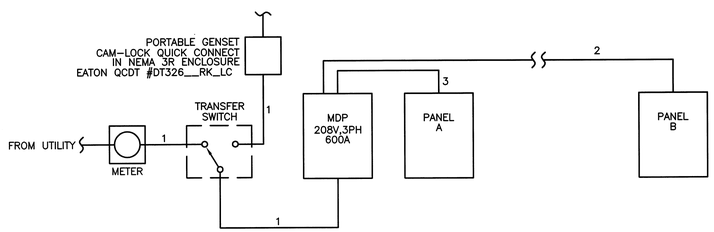
SPECIAL FEATURES:

OTHER REQTS:
1. SINGLE-POLE C/B 20 AMP U.O.N.

CIRC. NO	LOAD	CB	PHASE A VA	PHASE B VA	PHASE C VA	CB	LOAD	CIRC. NO
1	LTG, RMS 130,131,135,137	–	1650			–	RECEPT, RM 130	2
			800					
3	LTG, RMS 140,141,142,143,144,145,146,147,148	–		1390		–	RECEPT, KITCHENETTE, RM 130	4
				1800				
5	LTG, LOBBY, FOYER, CORRIDOR	–			540	–	RECEPT, KITCHENETTE, RM 130	6
					1200			
7	LTG, RMS 132,133	–	420			–	RECEPT, EWC	8
			1200					
9	SPARE	–		–		–	RECEPT, RM 131	10
				800				
11	SPARE	–			–	–	RECEPT, RM 131	12
					600			
13	NIGHT LIGHTS (EMERGENCY FIXTURES)	–	–			–	RECEPT, RM 140	14
			800					
15	SPARE	–		–		–	RECEPT, RM 142	16
				600				
17	PREPARED SPACE	–			–	–	RECEPT, RM 142	18
					1800			
19	PREPARED SPACE	–	–			–	RECEPT, REFRIGERATOR, RM 142	20
			1200					
21	WATER HEATER 2-#10, #10 G, 0.75" C	2P 25A		2250		–	RECEPT, RM 141	22
				400				
23					2250	–	RECEPT, RM 141	24
					400			
25	CIRC PUMP	–	200			–	RECEPT, RM 143	26
			1000					
27	PREPARED SPACE	–		–		–	RECEPT, RM 147	28
				1000				
29	PREPARED SPACE	–			–	–	RECEPT, RM 146	30
					1000			
31	PREPARED SPACE	–	–			–	RECEPT, RM 145	32
			1000					
33	PREPARED SPACE	–		–		–	RECEPT, RM 144	34
				200				
35	PREPARED SPACE	–			–	–	FLOOR BOX RECEPT, RM 131	36
					800			
37	PREPARED SPACE	–	–			–	CEILING MTD RECEPT, RM 131	38
			400					
39	PREPARED SPACE	–		–		–	MOTORIZED SCREEN, RM 131	40
				1000				
41	PREPARED SPACE	–			–	–	RECEPT, RM 132,133	42
					400			
		–	–	–	TOTAL CONNECTED LOAD		– VA – AMP	

CONDUCTOR/CONDUIT SCHEDULE

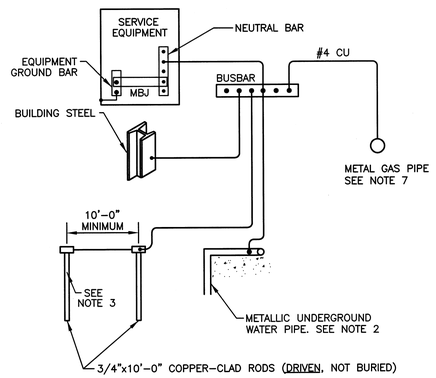
MARK	INSULATION	CONDUCTORS	CONDUIT
1	XHHW	4-350kcmil, #1 G, EACH C	TWO 3"
2	THWN-2	4-#3/0, #6 G,	2"
3	THWN-2	4-#3/0, #6 G, #6 IG	2"



1 E202 POWER RISER DIAGRAM

NOT TO SCALE

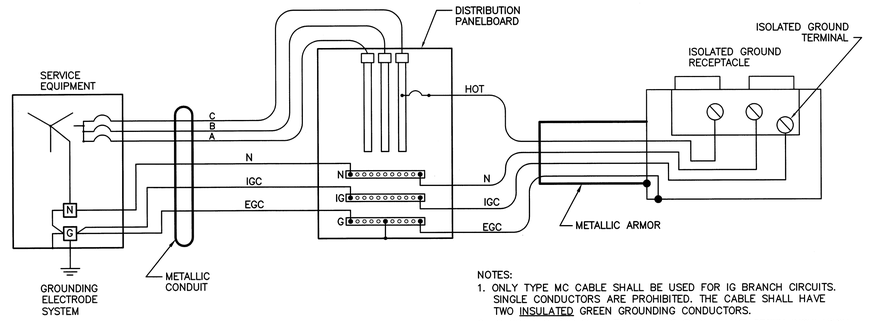
NOTES:
1. SEE 2/E202 FOR GROUNDING ELECTRODE SYSTEM REQUIREMENTS.
2. SEE 3/E202 FOR ISOLATED GROUND (IG) REQUIREMENTS.



2 E202 GROUNDING ELECTRODE SYSTEM

NOT TO SCALE

NOTES:
1. CONNECTIONS TO ELECTRODES (EXCEPT WATER PIPE) SHALL BE BY EXOTHERMIC WELDING.
2. WATER PIPE: BOND WITH BRONZE CLAMP, ILSCO TYPE "GPL" OR EQUIVALENT; INSTALL BONDING JUMPER AT WATER METER.
3. IF BUILDING STEEL AND WATER PIPE ARE CONNECTED, THEN GROUNDS RODS ARE NOT REQUIRED UNLESS NEEDED TO ACHIEVE RESISTANCE TO EARTH LESS THAN 10 OHMS. SEE NOTE 4.
4. AFTER GROUNDING SYSTEM IS INSTALLED, RESISTANCE TO EARTH SHALL BE MEASURED. IF RESISTANCE EXCEEDS 10 OHMS, NOTIFY ENGINEER.
5. CONDUCTORS SHALL BE COPPER #3/0 MINIMUM U.O.N.
6. BUSBAR SHALL BE COPPER, HARGER # GBI14 OR EQUIVALENT.
7. GAS PIPE IS NOT AN ELECTRODE; IT IS SHOWN ONLY SO THAT BONDING CAN BE SPECIFIED. MAKE CONNECTION WITH BRONZE CLAMP AT THE POINT WHERE THE PIPE ENTERS THE BUILDING. SEE NOTE 2.



3 E202 ISOLATED GROUND CIRCUIT REQUIREMENTS

NOTES:
1. ONLY TYPE MC CABLE SHALL BE USED FOR IG BRANCH CIRCUITS. SINGLE CONDUCTORS ARE PROHIBITED. THE CABLE SHALL HAVE TWO INSULATED GREEN GROUNDING CONDUCTORS.
2. IG CONDUCTORS SMALLER THAN #8 SHALL HAVE GREEN INSULATION WITH YELLOW STRIPES.
   IG CONDUCTORS #8 AND LARGER SHALL BE GREEN WITH YELLOW TAPE APPLIED AT EACH TERMINATION POINT.
3. UNDER NO CIRCUMSTANCES SHALL STANDARD RECEPTACLES OR ANY OTHER LOAD BE CONNECTED TO AN IG CIRCUIT.
4. IF THE TYPE MC CABLE IS PLACED IN CONDUIT:
   a. THE CONDUIT SHALL BE METALLIC.
   b. THE CONDUIT CARRYING IG CIRCUIT CONDUCTORS SHALL BE EXCLUSIVE. IN OTHER WORDS, NO CONDUCTORS SUPPLYING STANDARD RECEPTACLES OR ANY OTHER LOADS MAY SHARE A CONDUIT WITH IG CONDUCTORS.
5. DO NOT, UNDER ANY CIRCUMSTANCES, USE SHARED NEUTRALS FOR IG CIRCUITS.
6. ISOLATED GROUND RECEPTACLES SHALL BE ORANGE AND SHALL HAVE ORANGE WALLPLATES WITH FACTORY HOT STAMPING OR ENGRAVING OF THE WORDS "ISOLATED GROUND".

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3/23/15

DATE 23 MAR 15

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