APPENDIX E

UNION COUNTY COMMUNITY CENTER RENOVATIONS

129 UNION COUNTY RECREATION ROAD BLAIRSVILLE, GEORGIA 30512

PROJECT TEAM

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PHONE: 404.394.1147

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ABBREVIATIONS

AB	ANCHOR BOLT	GA	GAUGE	PART BD	PARTICLE BOARD
A/C	AIR CONDITIONING	GALV	GALVANIZED	PLAS	PLASTER
ACOUS	ACOUSTICAL	GEN	GENERAL	PLBG	PLUMBING
AFF	ABOVE FINISH FLOOR	GL	GLASS/GLAZED	PLY	PLYWOOD
AL	ALUMINUM	GND	GROUND	POW	POWER
ALUM	ALUMINUM	GR	GRADE	PN	PLAN
ALT	ALTERNATE	GYP	GYPSUM	PNL	PANEL
ANOD	ANODIZED	GYP BD	GYPSUM BOARD	PRCST	PRECAST
APNL	ACCESS PANEL	GWB	GYPSUM WALL BOARD	PREFAB	PREFABRICATED
APPVD	APPROVED			PROJ	PROJECT
APPROX	APPROXIMATE	HDWR	HARDWARE	PR	PAIR
ARCH	ARCHITECT ARCHITECTURAL	HT	HEIGHT	PROP	PROPERTY
		HM	HOLLOW METAL	PT	PAINT
ASPH	ASPHALT	HORIZ	HORIZONTAL	PTD	PAINTED
		HTG	HEATING		
BD	BOARD	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	QUAL	QUALITY
BETW	BETWEEN			QUAN	QUANTITY
BLDG	BUILDING				
BLK	BLOCK				
BLKG	BLOCKING	IC	IN CONTRACT	R	RISER
BM	BEAM	ID	INSIDE DIAMETER	R/A	RETURN AIR
BRZ	BRONZE	INCL	INCLUDE(D)(ING)	RAD	RADIUS
BUILT UP ROOFING		INFO	INFORMATION	RD	ROOF DRAIN
CEM	CEMENT	INSUL	INSULATION	REBAR	REINFORCING BAR
CLKG	CAULKING	INT	INTERIOR	REF	REFERENCE
CL	CENTER LINE			REINF	REINFORCED
CLG	CEILING			RESIL	RESILIENT
CLR	CLEAR	JST	JOIST	REQD	REQUIRED
CLR OPG	CLEAR OPENING	JT	JOINT	RH	RIGHT HAND
CO	CLEANOUT			RO	ROUGH OPENING
COL	COLUMN			REV	REVISION
CONC	CONCRETE	L	ANGLE		
CONT	CONTINUOUS	LH	LEFT HAND		
CONTD	CONTINUED	LIN	LINEAR	S	SOUTH
CONTR	CONTRACTOR	LL	LIVE LOAD	SAN	SANITARY
CTR	CENTER	LONGL	LONGITUDINAL	SCHED	SCHEDULE
		LOUV	LOUVER(S)	SCHEM	SCHEMATIC
DET	DETAIL	LTWT	LIGHT WEIGHT	SECT	SECTION
DIA	DIAMETER			SEL	SELECT
DIAG	DIAGONAL			SERV	SERVICE
DIM	DIMENSION	MACH	MACHINE	SHT	SHEET
DIV	DIVISION	MAINT	MAINTENANCE	SIM	SIMILAR
DK	DARK	MATL	MATERIAL	SPECL	SPECIAL
DN	DOWN	MAX	MAXIMUM	SPECS	SPECIFICATION(S)
D.O.	DOOR OPENING	MED	MEDIUM	SQ	SQUARE
DS	DOWNSPOUT	MECH	MECHANICAL	SF	SQUARE FEET
DWG	DRAWING	MEMB	MEMBRANE	SS	STAINLESS STEEL
		MET	METAL	STD	STANDARD
E	EXISTING	MFG	MANUFACTURING	STL	STEEL
EA	EACH	MFR	MANUFACTURER	STRUCT	STRUCTURAL
EL	ELEVATION	MIN	MINIMUM	SUSP	SUSPEND(ED)
ELEC	ELECTRIC	MISC	MISCELLANEOUS	SYMM	SYMMETRICAL
EMER	EMERGENCY	MO	MULLION	SYST	SYSTEM
ENCL	ENCLOSURE	MTD	MOUNTED		
ENGR	ENGINEER	MUL	MULLION		
ENT	ENTRANCE			TECH	TECHNICAL
EQ	EQUAL			TEMP	TEMPORARY
EQUIP	EQUIPMENT			THK	THICK(NESS)
EXH	EXHAUST	N	NORTH	T.O.S.	TOP OF STEEL
EXIS	EXISTING	NA	NOT APPLICABLE	T.O.C.	TOP OF CONCRETE
EXPAN	EXPANSION	NAT	NATURAL	T.O.P.	TOP OF PAVEMENT
EXPOS	EXPOSED	NEG	NEGATIVE	T.O.W.	TOP OF WALL
EXT	EXTERIOR	N.I.C.	NOT IN CONTRACT	TYP	TYPICAL
		NO	NUMBER		
FDN	FOUNDATION	NOM	NOMINAL		
FF	FINISH FLOOR	N.T.S.	NOT TO SCALE	UL	UNDERWRITERS LABORATORY
FIN	FINISH(ED)				
FLR	FLOOR			UNFIN	UNFINISHED
FLASH	FLASHING	OA	OVERALL	UTIL	UTILITY
FR	FRAME	OC	ON CENTER		
FRMG	FRAMING	OD	OUTSIDE DIAMETER	VAR	VARIABLE
FT	FOOT/FEET	OH	OPPOSITE HAND	VERT	VERTICAL
FTG	FOOTING	OPNG	OPENING	V.I.F.	VERIFY IN FIELD
FURR	FURRING	OPP	OPPOSITE		
FUT	FUTURE	ORIG	ORIGINAL		
		OVHD	OVERHEAD	WD	WOOD

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION PRIOR TO EXECUTION OF THE WORK IN QUESTION.

2. ALL DIMENSIONS ARE TO FACE OF BRICK, CONCRETE BLOCK OR FINISH MATERIAL UNLESS NOTED OTHERWISE.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXECUTION OF THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS UNLESS WRITTEN NOTIFICATION TO THE CONTRARY IS ISSUED AND SIGNED BY THE OWNER AND/OR ARCHITECT.

4. THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN IN THE DOCUMENTS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION.

5. ALL VERTICAL AND HORIZONTAL DUCTS, PIPES, CONDUIT, AND SIMILAR ASSEMBLIES IN FINISHED ROOMS SHALL BE ENCLOSED IN A FINISHED CHASE, UNLESS NOTED OTHERWISE. THE MATERIALS AND FINISHES OF SUCH CHASES SHALL MATCH ADJACENT FINISHED WALLS.

6. FURNISH ACCESS PANELS IN WALLS AND NON- ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING OR ELECTRICAL EQUIPMENT MAY BE REQUIRED. ACCESS PANELS SHALL BE EQUAL IN FIRE RATING TO SURFACE IN WHICH THEY OCCUR. REFER TO ENGINEERING DRAWINGS FOR LOCATION OF MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.

7. PROVIDE CONTROL JOINTS IN GYPSUM WALL BOARD AS SHOWN IN THE DRAWINGS. OR IF NOT SHOWN, MAXIMUM ALLOWED PER MANUFACTURERS' SPECIFICATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS.

8. IMMEDIATELY NOTIFY ARCHITECT IN WRITING IF ANY OMISSION, DISCREPANCY, AMBIGUITY OR ERROR IN THE CONTRACT DOCUMENTS BE DISCOVERED OR IF ANY DOUBT AS TO THE MEANING OR INTENT THEREOF SHOULD ARISE. CLARIFICATION WILL BE MADE BY REVISION TO THE CONTRACT DOCUMENTS.

9. SHOP DRAWINGS AND SAMPLES SHALL BE SUBMITTED FOR APPROVAL TO THE ARCHITECT PRIOR TO CONSTRUCTION AND/OR PURCHASE OF MATERIALS DESCRIBING THE OVERALL SCOPE AS WELL AS COMPLETE DETAILS OF WORK TO BE PERFORMED. ALL FABRICATION SHALL BE BASED ON ACTUAL FIELD DIMENSIONS.

10. CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTION REQUIRED BY LOCAL AND STATE AND LOCAL CODES.

LEGEND & SYMBOLS - GENERAL

- SECTION SYMBOL (1 / A1.01)
- ELEVATION SYMBOL (1 / A1.01)
- ENLARGED PLAN SYMBOL (1 / A1.01)
- ELEVATION HEIGHT SYMBOL
- DETAIL SYMBOL (1 / A1.01)
- REVISIONS SYMBOL (1)
- CLEAR DIMENSIONS TO FACE OF WALL, GYP BOARD OR FINISH
- DIMENSIONS TO FACE OF WALL, GYP BOARD OR FINISH TO CENTERLINE (OF COLUMN OR OTHER ITEM)

GENERAL INFORMATION

PROJECT NAME: UNION COUNTY COMMUNITY CENTER RENOVATIONS

PROJECT LOCATION: 129 UNION COUNTY RECREATION ROAD
BLAIRSVILLE, GEORGIA 30512

PROJECT INFORMATION:
- ENCLOSURE OF EXISTING OUTDOOR DINING AREA
- NEW INTERIOR FINISHES THROUGHOUT EXISTING AND NEW DINING AREA

CURRENT USE: ASSEMBLY, GROUP A-2: RESTAURANT

APPLICABLE CODES

COMMUNITY CENTER:
CONSTRUCTION TYPE: TYPE VB PER I.B.C., 2018 - III(200) PER NFPA 101
OCCUPANCY TYPE: BUSINESS AND ASSEMBLY A2 PER I.B.C., 2018 - NFPA 101
NUMBER OF STORIES: TWO
BUILDING FLOOR AREA: 11,664 S.F. (UPPER LEVEL)
12,687 S.F. (MAIN LEVEL)
24,351 S.F. (TOTAL INCLUDES RENOVATION AREA)
1,827 S.F. (RENOVATION AREA ONLY)
952 S.F. (NEW ENCLOSED AREA ONLY)
OCCUPANT LOAD: 297 (MAIN LEVEL)
331 (UPPER LEVEL)
628 (TOTAL OCCUPANT LOAD)

THE SPRINKLER SYSTEM IS TO BE EXTENDED INTO THE NEW AREA BY THE CONTRACTOR AND THE DESIGN OF IT COORDINATED BY THE CONTRACTOR.

CODES IN EFFECT	NAME OF CODE	EDITION
BUILDING	INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS (2020)	2018
LIFE SAFETY	NFPA 101	2012
ACCESSIBILITY	GEORGIA ACCESSIBILITY CODE FOR BUILDINGS & FACILITIES, ADA (1997)	2010
MECHANICAL CODE	INTERNATIONAL MECHANICAL CODE WITH 2020 GEORGIA AMENDMENTS	2018
PLUMBING CODE	INTERNATIONAL PLUMBING CODE WITH 2020 GEORGIA AMENDMENTS	2018
ELECTRICAL CODE	NATIONAL ELECTRICAL CODE (NEC) NO GEORGIA AMENDMENTS	2017
FIRE PREVENTION	INTERNATIONAL FIRE CODE WITH NO GEORGIA AMENDMENTS	2018
ENERGY CODE	INTERNATIONAL ENERGY CONSERVATION CODE WITH 2020 GEORGIA SUPPLEMENTS & AMENDMENTS	2015

LOCATION MAP

INDEX OF DRAWINGS

SHEET	SHEET DESCRIPTION	ISSUE DATE
T.101	COVER SHEET	10/01/2020
ARCHITECTURAL		10/01/2020
LS-101	UPPER LEVEL - LIFE SAFETY PLAN	10/01/2020
D-1.00	UPPER LEVEL DEMOLITION PLAN	10/01/2020
D-2.00	NORTH & SOUTH DEMOLITION ELEVATIONS	10/01/2020
D-2.01	EAST DEMOLITION ELEVATION	10/01/2020
D-3.00	DEMOLITION WALL SECTIONS	10/01/2020
A-1.00	UPPER LEVEL FLOOR PLAN	10/01/2020
A-1.01	ROOF PLANS	10/01/2020
A-2.00	NORTH & SOUTH ELEVATIONS	10/01/2020
A-2.01	EAST ELEVATION	10/01/2020
A-3.00	WALL SECTIONS	10/01/2020
A-3.01	WALL SECTIONS	10/01/2020
A-4.00	DETAILS	10/01/2020
A-4.01	DETAILS	10/01/2020
A-4.02	DOOR SCHEDULE	10/01/2020
A-5.00	UPPER LEVEL - RCP	10/01/2020
A-5.01	UPPER LEVEL - RCP ALTERNATE	10/01/2020
A-7.00	INTERIOR ELEVATIONS	10/01/2020
A-8.00	INTERIOR FINISHES	10/01/2020
STRUCTURAL		
S1.0	STRUCTURAL NOTES	10/01/2020
S2.0	SECOND FLOOR FRAMING PLAN	10/01/2020
S2.1	ROOF FRAMING PLAN	10/01/2020
S3.0	DETAILS	10/01/2020
S3.1	DETAILS	10/01/2020
MECHANICAL		
M-0.01	GENERAL	10/01/2020
M-0.02	DETAILS & SCHEDULES	10/01/2020
M-1.00	UPPER LEVEL FLOOR PLAN	10/01/2020
ELECTRICAL		
E-0.01	GENERAL	10/01/2020
E-1.00	UPPER LEVEL FLOOR PLAN	10/01/2020

Union County Community Center

129 Union County Recreation Road, Blairsville, Georgia 30512

RELEASED FOR CONSTRUCTION

REVISIONS	
1	10/01/20 BID SET

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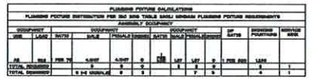
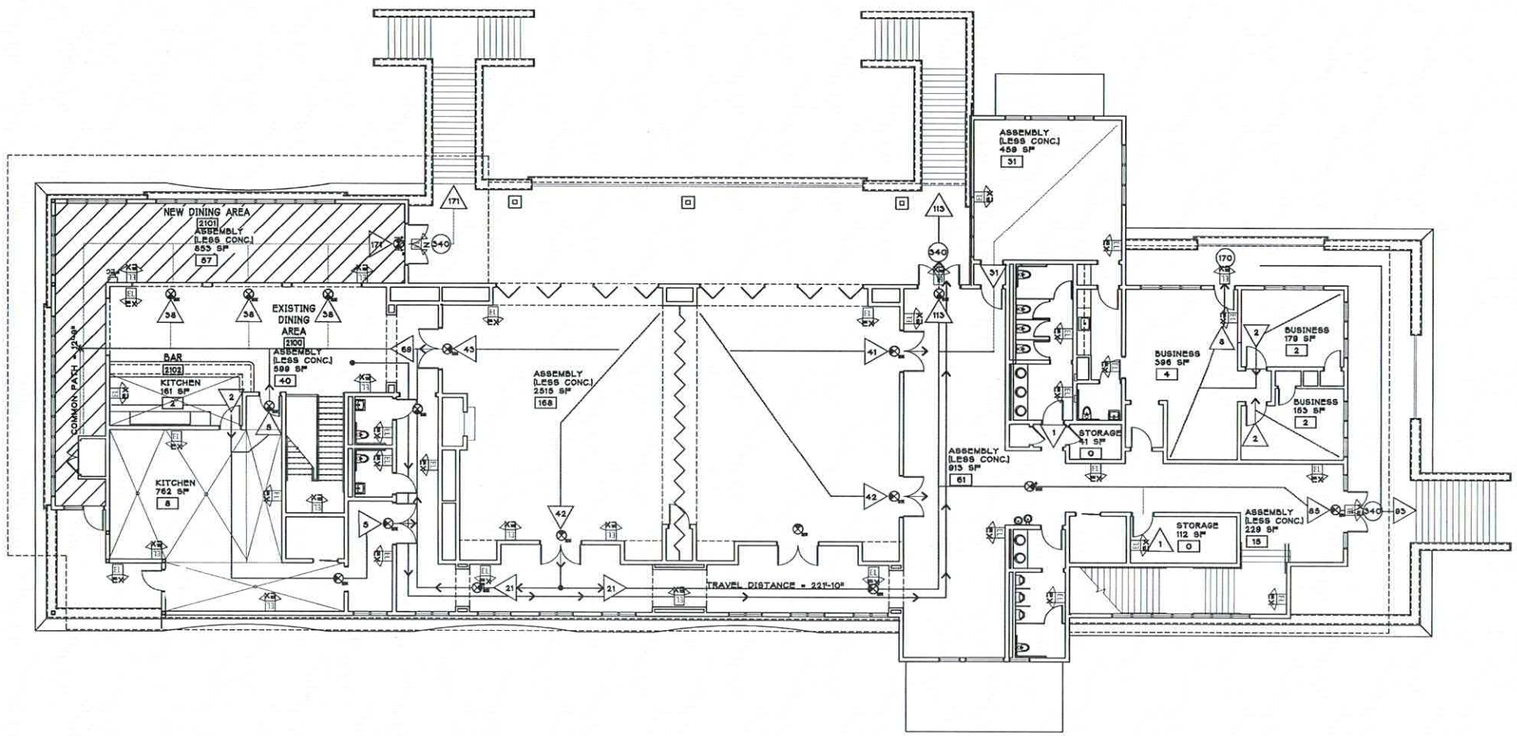
PROJECT NO.
16107

SHEET TITLE
COVER SHEET

SHEET NO.
T-1.00





A | UPPER LEVEL LIFESAFETY FLOOR PLAN

1/8" = 1'-0"

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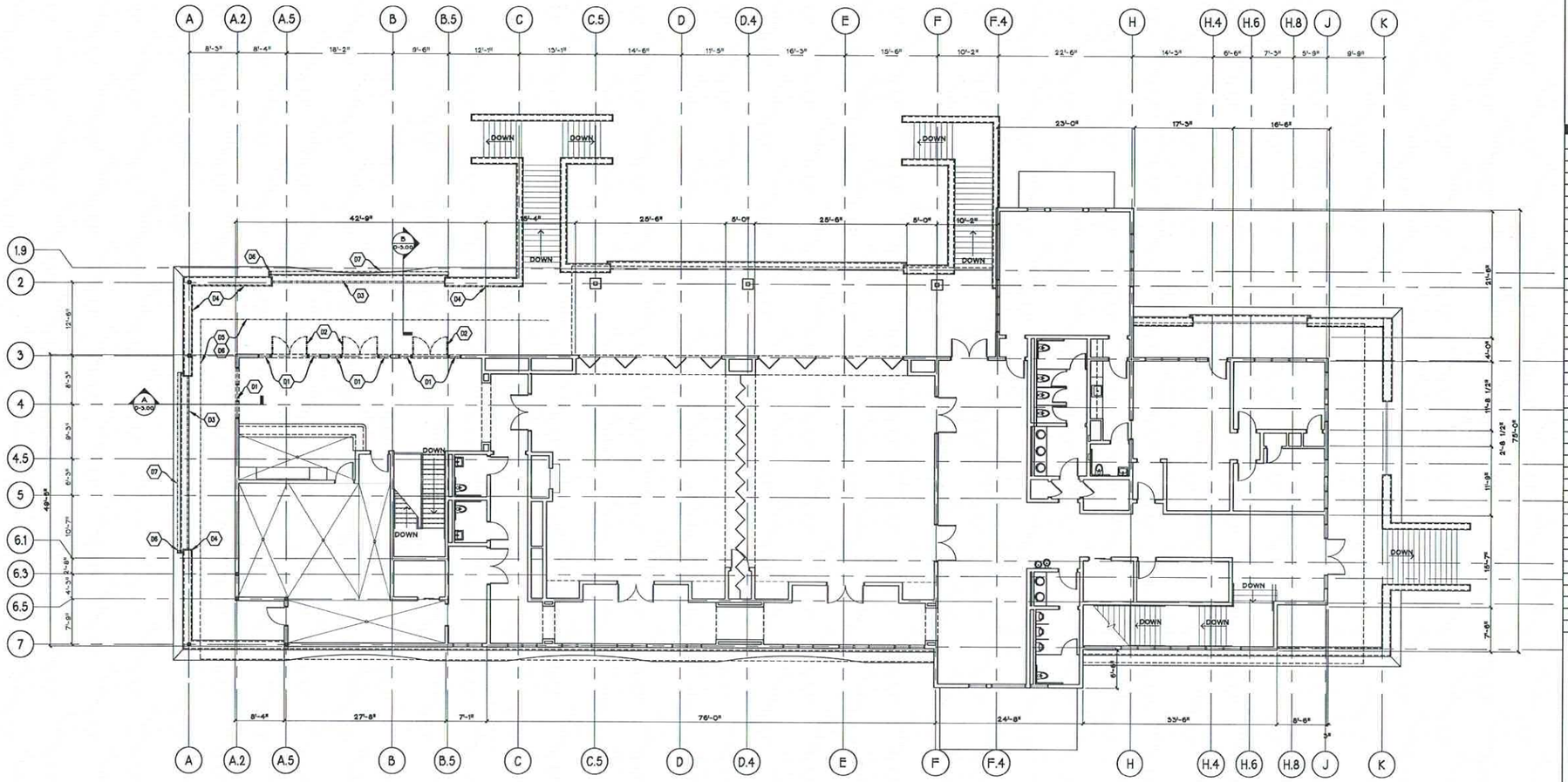
SHEET TITLE

UPPER LEVEL - FLOOR PLAN

SHEET NO.

LS1.00



DEMOLITION NOTES:

D1. REMOVE EXISTING WINDOWS SAVE FOR RELOCATION.

D2. REMOVE EXISTING DOUBLE DOORS. SAVE FOR RELOCATION.

D3. REMOVE EXISTING METAL RAILINGS.

D4. REMOVE PORTION OF EXISTING PRECAST CAP AS REQUIRED TO ACCOMMODATE NEW WALLS.

D5. REMOVE EXISTING SHINGLE ROOF SYSTEM, EAVE SOFFITS, AND EAVE DOWNLIGHTS TO EXTENTS INDICATED. SAVE DOWNLIGHTS FOR RELOCATION.

D6. REMOVE EXISTING GUTTERS & DOWNSPOUTS INDICATED.

D7. REMOVE EXISTING GUTTER. VERIFY EXISTING PRECAST TRIM UNDERNEATH.

A | DEMOLITION- UPPER LEVEL FLOOR PLAN

1/8" = 1'-0"

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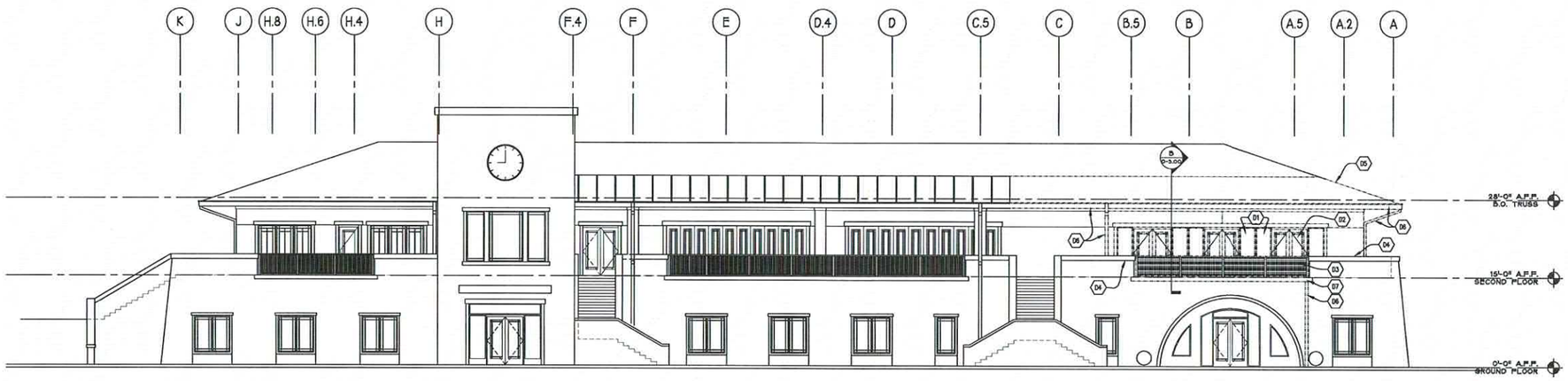
SHEET TITLE
UPPER LEVEL DEMOLITION PLAN

SHEET NO.
D-1.00



DEMOLITION NOTES:

D1. REMOVE EXISTING WINDOWS SAVE FOR RELOCATION.

D2. REMOVE EXISTING DOUBLE DOORS. SAVE FOR RELOCATION.

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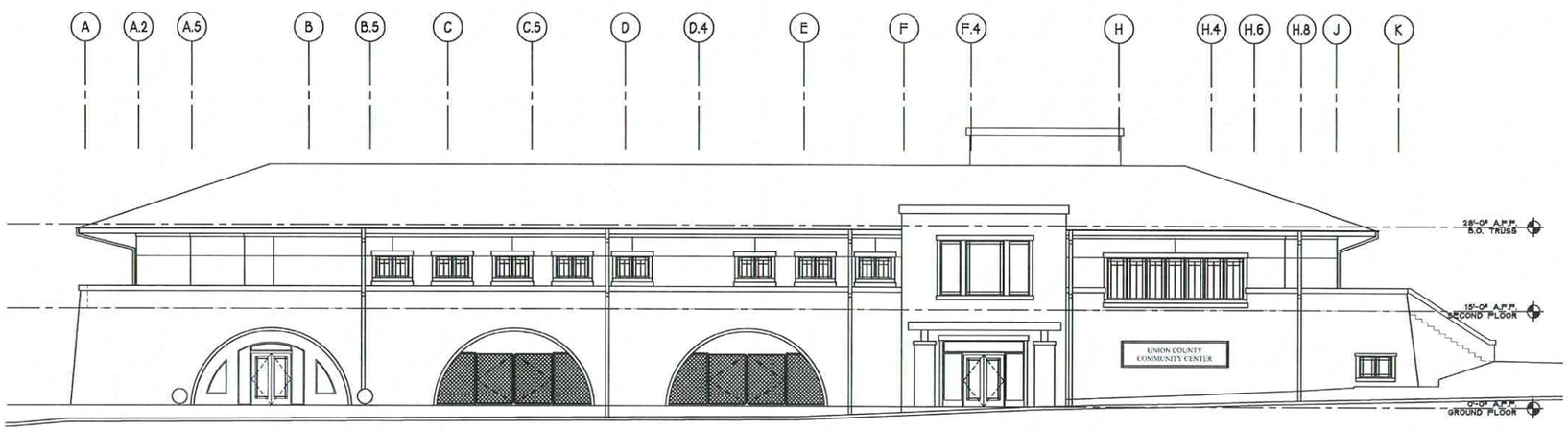
D6. REMOVE EXISTING GUTTERS & DOWNSPOUTS INDICATED.

D7. REMOVE EXISTING GUTTER. VERIFY EXISTING PRECAST TRIM UNDERNEATH.

A | DEMOLITION- NORTH ELEVATION

1/8" = 1'-0"



B | DEMOLITION- SOUTH ELEVATION

1/8" = 1'-0"

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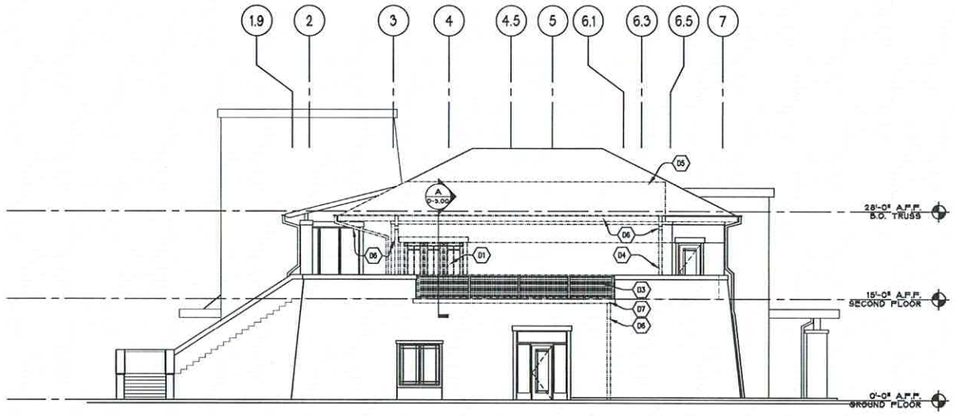
SHEET TITLE

NORTH & SOUTH DEMOLITION ELEVATIONS

SHEET NO.

D-2.00



DEMOLITION NOTES:

D1. REMOVE EXISTING WINDOWS SAVE FOR RELOCATION.

D2. REMOVE EXISTING DOUBLE DOORS. SAVE FOR RELOCATION.

D3. REMOVE EXISTING METAL RAILINGS.

D4. REMOVE PORTION OF EXISTING PRECAST CAP AS REQUIRED TO ACCOMMODATE NEW WALLS.

D5. REMOVE EXISTING SHINGLE ROOF SYSTEM, EAVE SOFFITS, AND EAVE DOWNLIGHTS TO EXTENTS INDICATED. SAVE DOWNLIGHTS FOR RELOCATION.

D6. REMOVE EXISTING GUTTERS & DOWNSPOUTS INDICATED.

D7. REMOVE EXISTING GUTTER. VERIFY EXISTING PRECAST TRIM UNDERNEATH.

A | DEMOLITION- EAST ELEVATION

1/8" = 1'-0"

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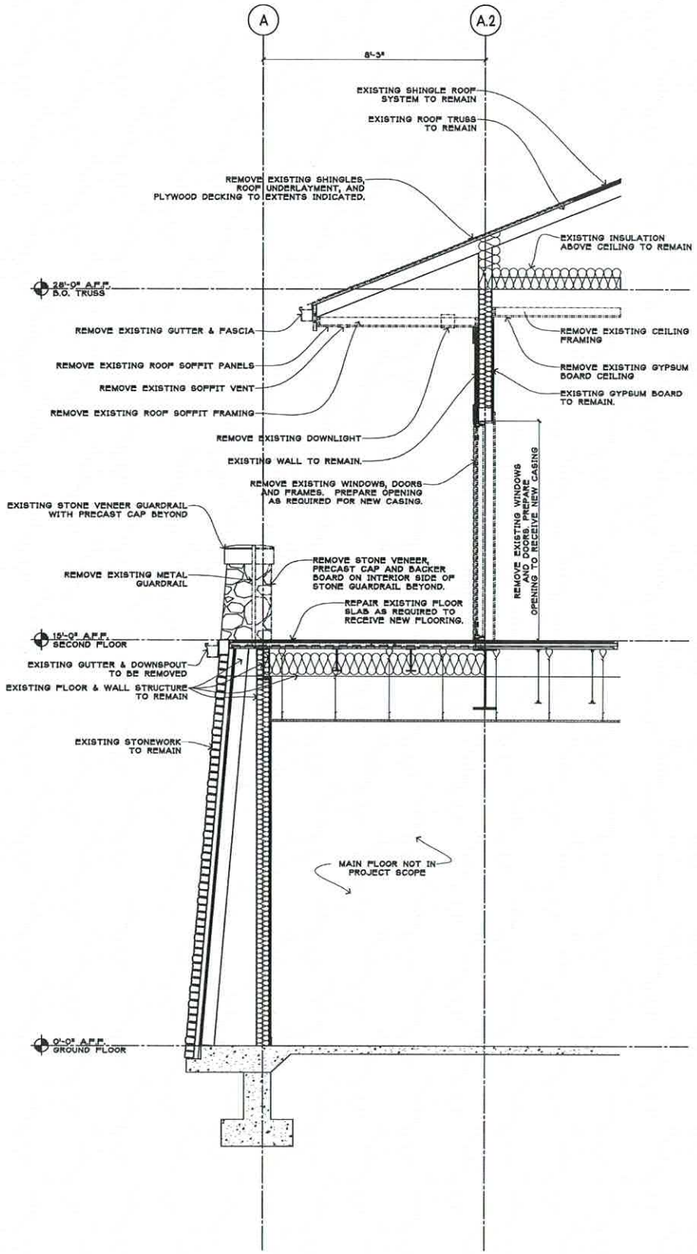
SHEET TITLE

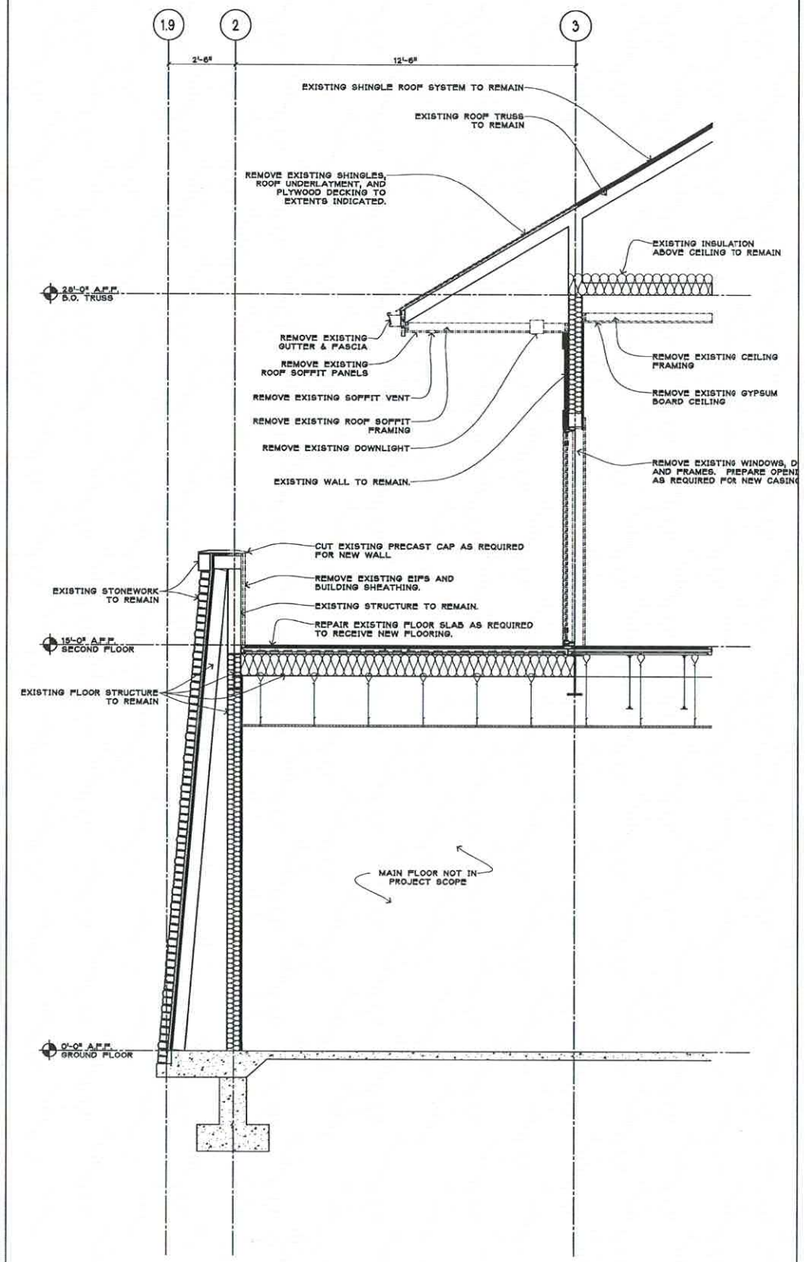
EAST DEMOLITION ELEVATION

SHEET NO.

D-2.01



A | EXISTING WALL SECTION 1/2" = 1'-0"



B | EXISTING WALL SECTION 1/2" = 1'-0"

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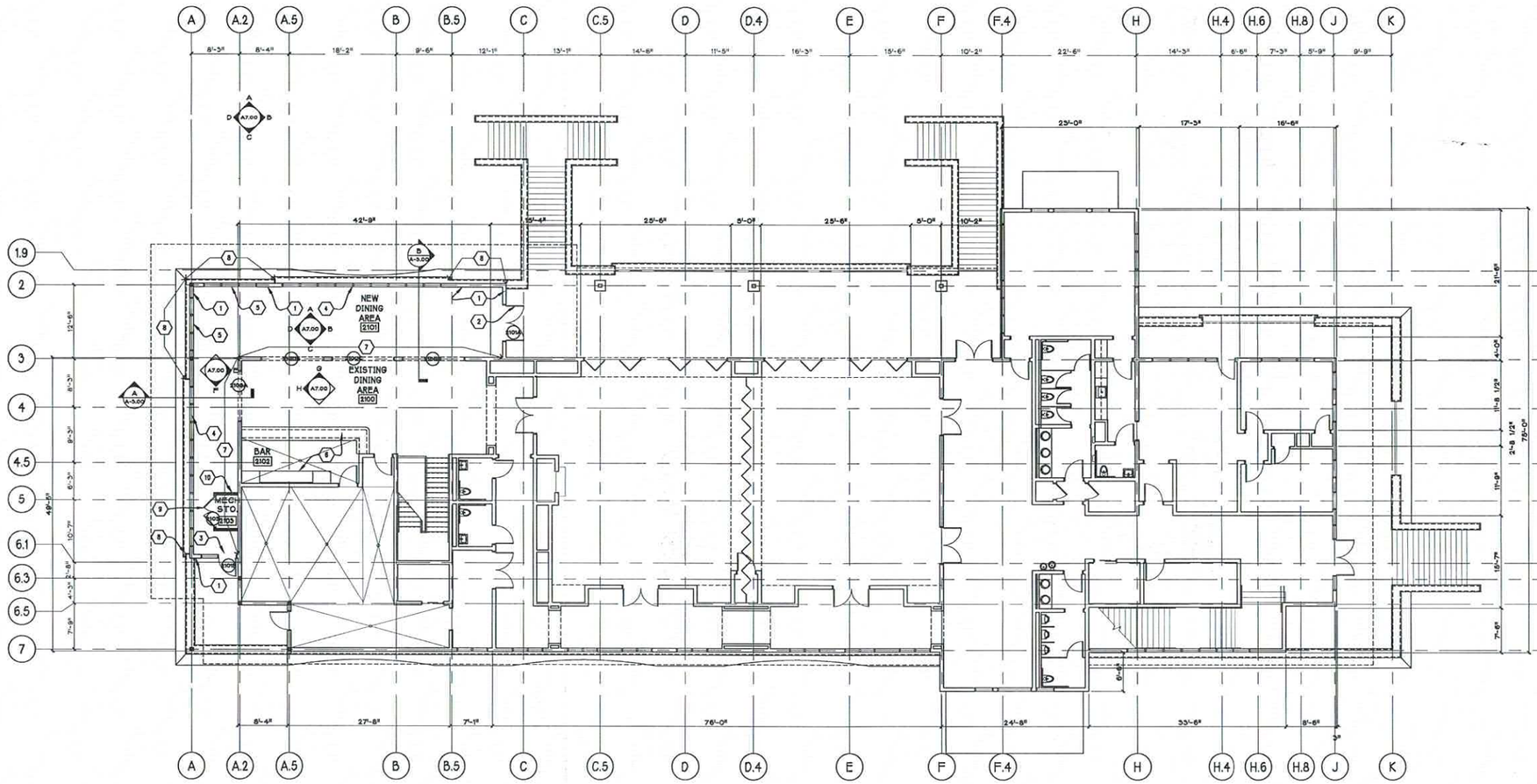
SHEET TITLE
DEMOLITION WALL SECTIONS

SHEET NO.
D-3.00



CONSTRUCTION NOTES:

1. NEW EXTERIOR WALL. MATCH CONSTRUCTION OF EXISTING ADJACENT EIFS WALLS.
2. INSTALL RELOCATED DOUBLE DOORS. SEE DOOR ELEVATION C/A-4.02.
3. REWORK ONE RELOCATED DOUBLE DOOR PANEL INTO A SINGLE DOOR. INSTALL REWORKED DOOR AND ONE RELOCATED SIDELITE IN NEW WALL. SEE DOOR ELEVATION D/A-4.02.
4. NEW OR RELOCATED WINDOWS: SEE WINDOW ELEVATION A/A-4.02.
5. NEW WINDOWS: SEE WINDOW ELEVATION B/A-4.01.
6. EXISTING CASEWORK TO REMAIN.
7. EXISTING EIFS WALL FINISH TO REMAIN. CLEAN AND REPAIR AS REQUIRED. INSTALL NEW CASING AND TRIM ON EXISTING OPENINGS. SEE ELEVATION E/A-4.02.
8. REWORK OR REPLACE EXISTING PRECAST CAP TO ACCOMMODATE NEW WALL.
9. INSTALL NEW DOUBLE DOORS. SEE DOOR ELEVATION F/A4.02.
10. INSTALL NEW WALL PARTITIONS AT MECHANICAL ROOM. SEE DETAIL 2/A-4.01.

A | UPPER LEVEL FLOOR PLAN

1/8" = 1'-0"

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DELEGATED PERMIT INSTRUCTION

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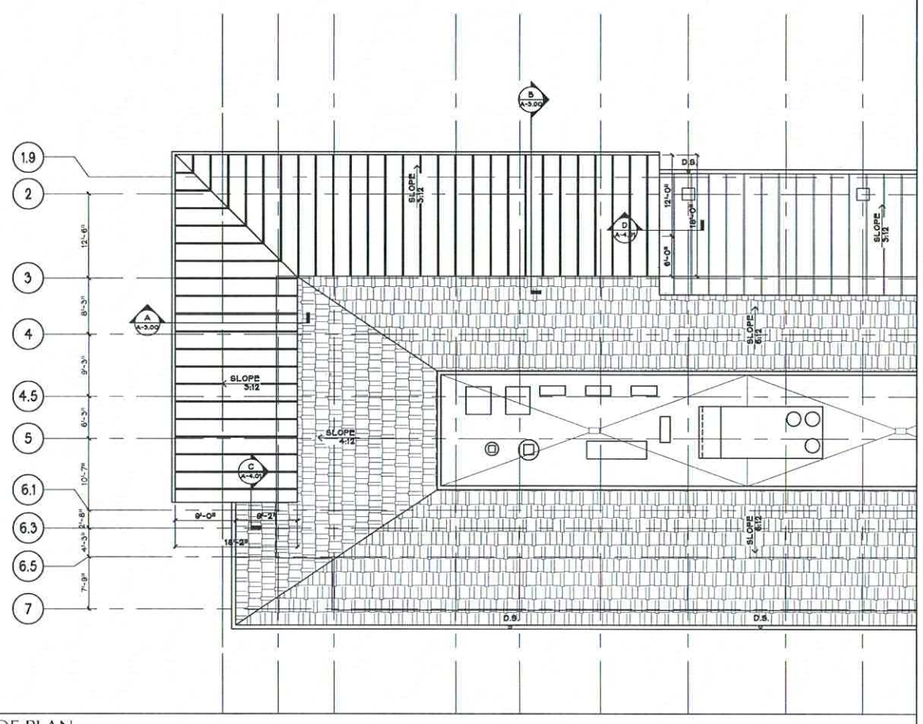
SHEET TITLE
UPPER LEVEL FLOOR PLAN

SHEET NO.
A-1.00



B | ROOF PLAN

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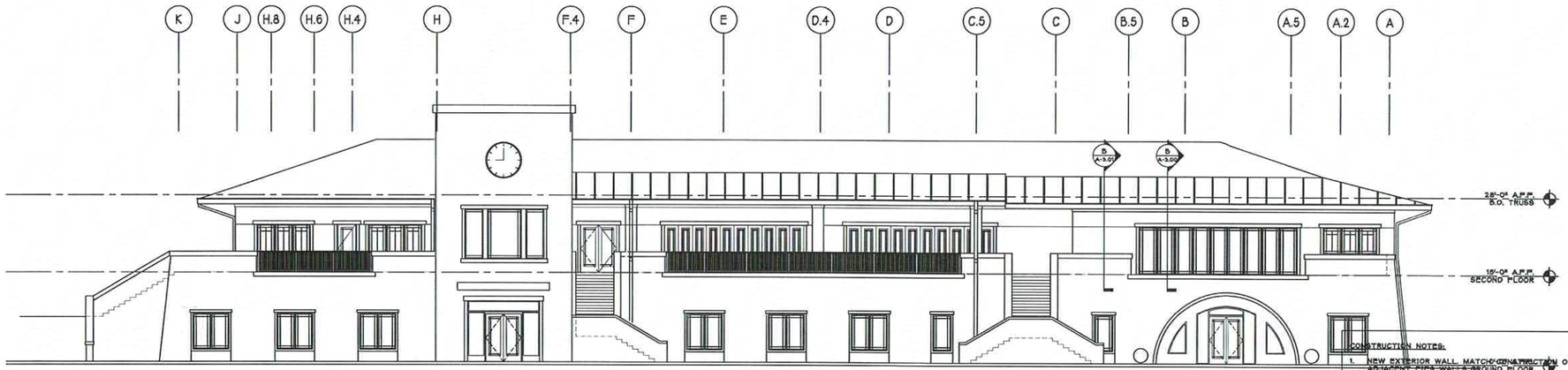
PROJECT NO.
16107

SHEET TITLE
ROOF PLANS

SHEET NO.
A-1.01

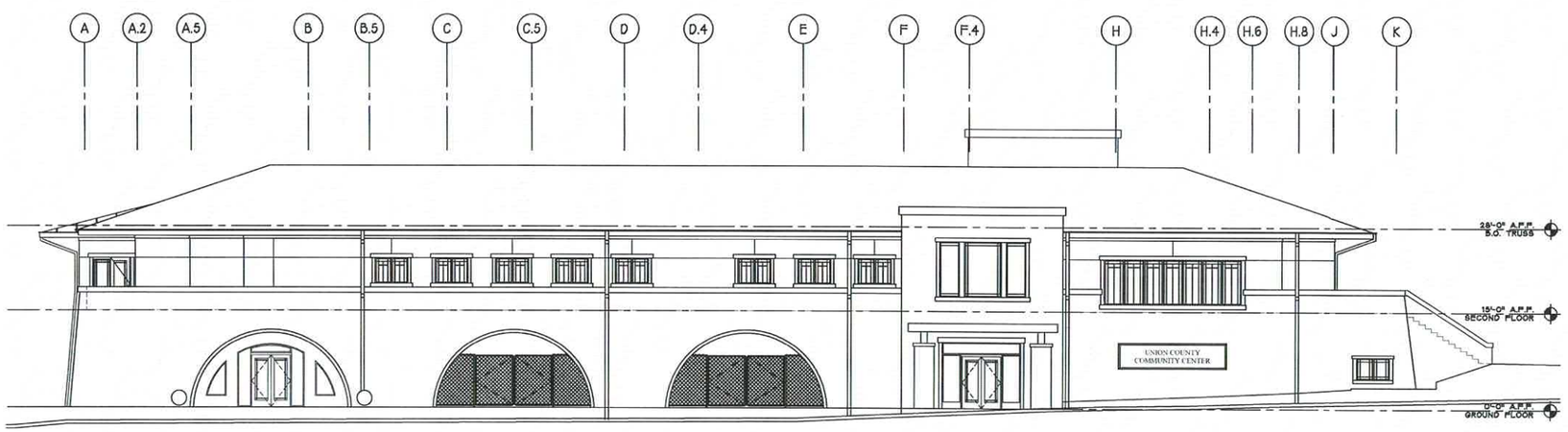


A | NORTH ELEVATION

1/8" = 1'-0"

CONSTRUCTION NOTES:

1. NEW EXTERIOR WALL. MATCH CONSTRUCTION OF EXISTING ADJACENT EIFS WALLS. GROUND FLOOR
2. INSTALL RELOCATED DOUBLE DOORS. SEE DOOR ELEVATION C/A-4.02.
3. REWORK ONE RELOCATED DOUBLE DOOR PANEL INTO A SINGLE DOOR. INSTALL REWORKED DOOR AND ONE RELOCATED SIDELITE IN NEW WALL. SEE DOOR ELEVATION D/A-4.02.
4. NEW OR RELOCATED WINDOWS: SEE WINDOW ELEVATION A/A-4.02.
5. NEW WINDOWS: SEE WINDOW ELEVATION B/A-4.01.
6. EXISTING CASEWORK TO REMAIN.
7. EXISTING EIFS WALL FINISH TO REMAIN. CLEAN AND REPAIR AS REQUIRED. INSTALL NEW CASING AND TRIM ON EXISTING OPENINGS. SEE ELEVATION E/A-4.02.
8. REWORK OR REPLACE EXISTING PRECAST CAP TO ACCOMMODATE NEW WALL.
9. INSTALL NEW DOUBLE DOORS. SEE DOOR ELEVATION F/A4.02.
10. INSTALL NEW WALL PARTITIONS AT MECHANICAL ROOM. SEE DETAIL 2/A-4.01.



B | SOUTH ELEVATION

1/8" = 1'-0"

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REVISIONS

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PROJECT NO

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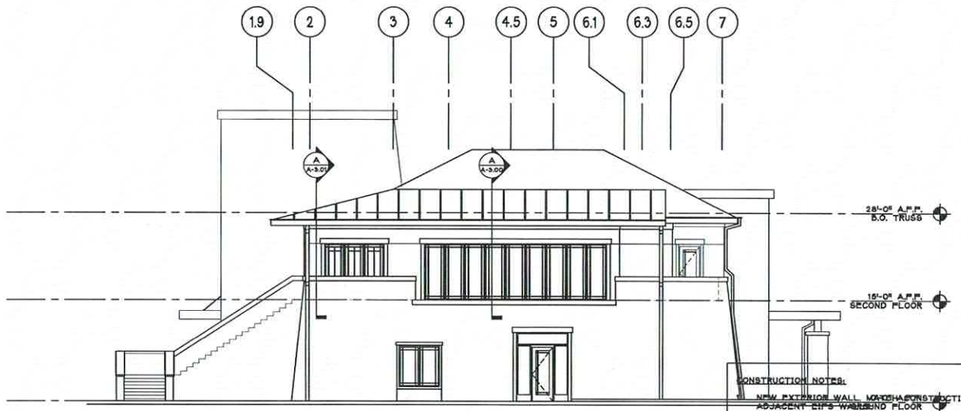
SHEET TITLE

NORTH & SOUTH ELEVATIONS

SHEET NO

A-2.00



CONSTRUCTION NOTES:

1. NEW EXTERIOR WALL TO MATCH CONSTRUCTION OF EXISTING ADJACENT EIFS WALL AND FLOOR
2. INSTALL RELOCATED DOUBLE DOORS. SEE DOOR ELEVATION C/A-4.02.
3. REWORK ONE RELOCATED DOUBLE DOOR PANEL INTO A SINGLE DOOR. INSTALL REWORKED DOOR AND ONE RELOCATED SIDELITE IN NEW WALL. SEE DOOR ELEVATION D/A-4.02.
4. NEW OR RELOCATED WINDOWS: SEE WINDOW ELEVATION A/A-4.02.
5. NEW WINDOWS: SEE WINDOW ELEVATION B/A-4.01.
6. EXISTING CASEWORK TO REMAIN.
7. EXISTING EIFS WALL FINISH TO REMAIN. CLEAN AND REPAIR AS REQUIRED. INSTALL NEW CASING AND TRIM ON EXISTING OPENINGS. SEE ELEVATION E/A-4.02.
8. REWORK OR REPLACE EXISTING PRECAST CAP TO ACCOMMODATE NEW WALL.
9. INSTALL NEW DOUBLE DOORS. SEE DOOR ELEVATION F/A4.02.
10. INSTALL NEW WALL PARTITIONS AT MECHANICAL ROOM. SEE DETAIL 2/A-4.01.

A | EAST ELEVATION

1/8" = 1'-0"

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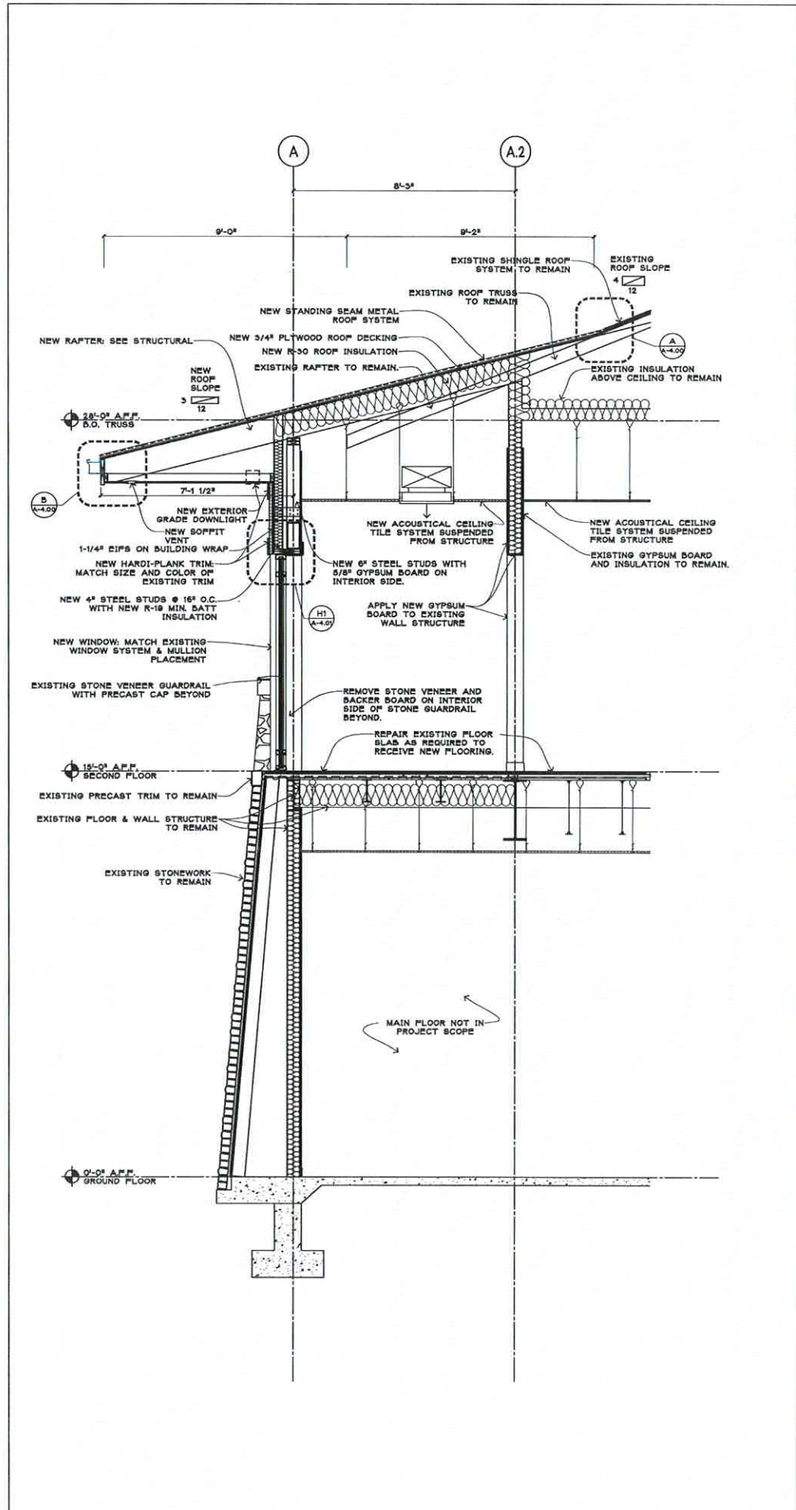
SHEET TITLE

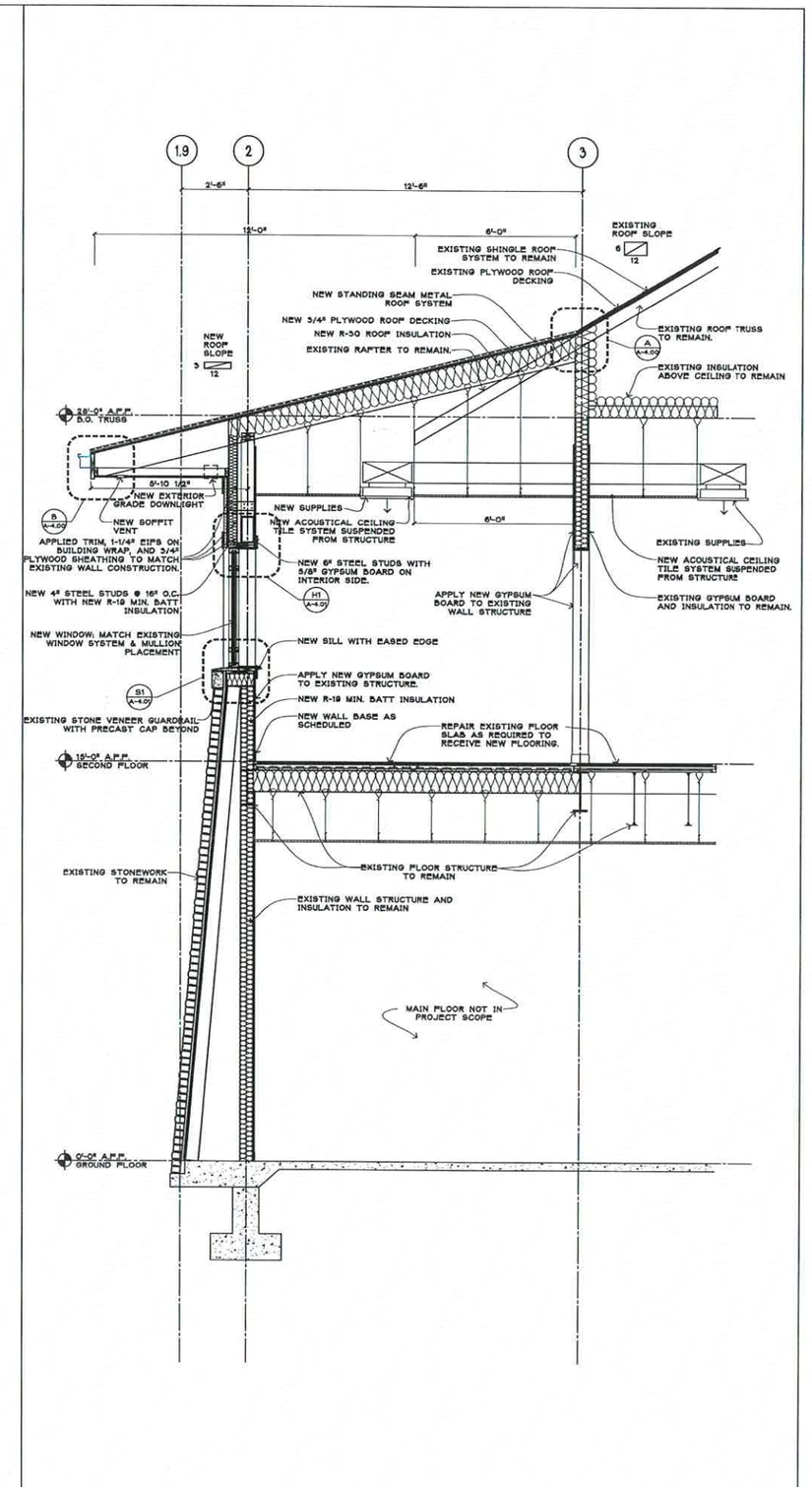
EAST ELEVATION

SHEET NO.

A-2.01



A | WALL SECTION 1/2" = 1'-0"



B | WALL SECTION 1/2" = 1'-0"

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PROJECT NO.
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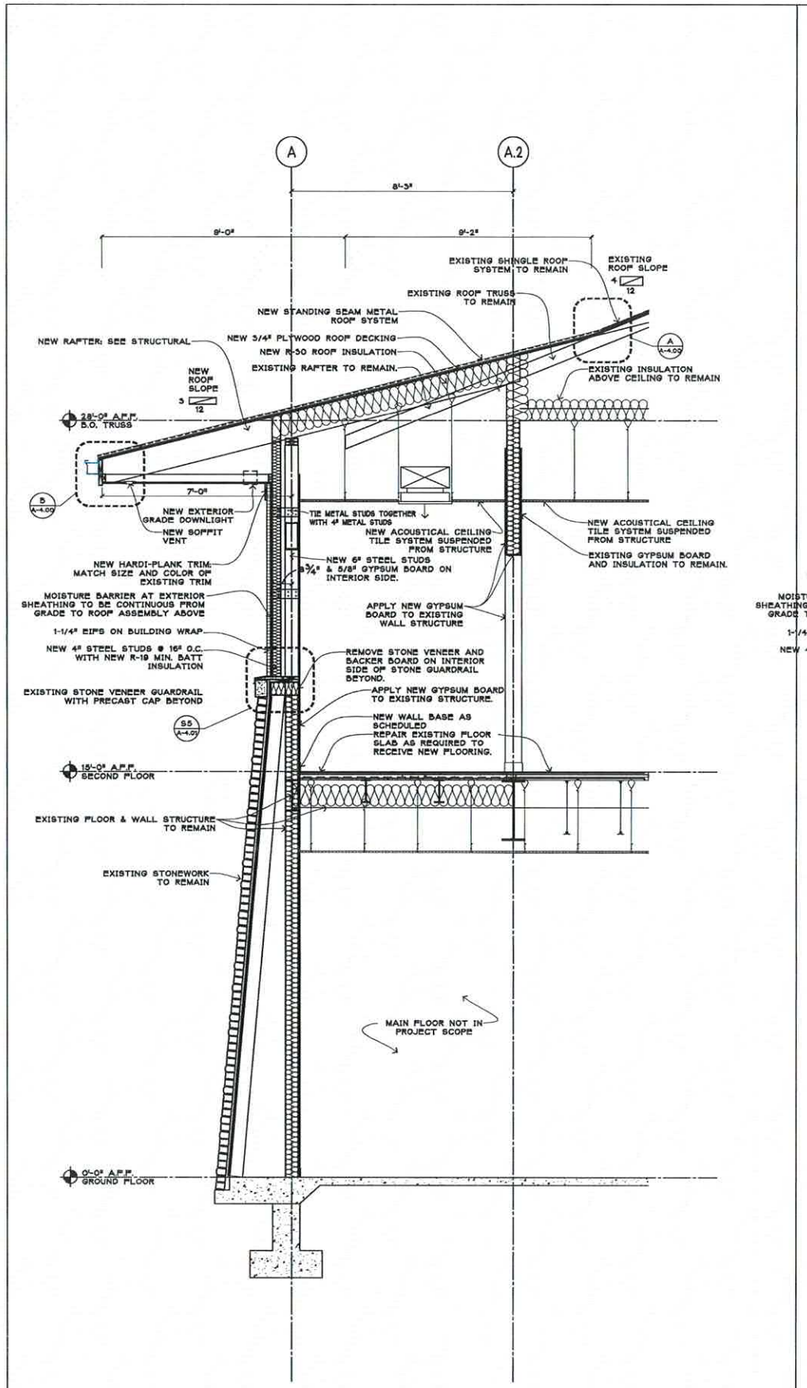
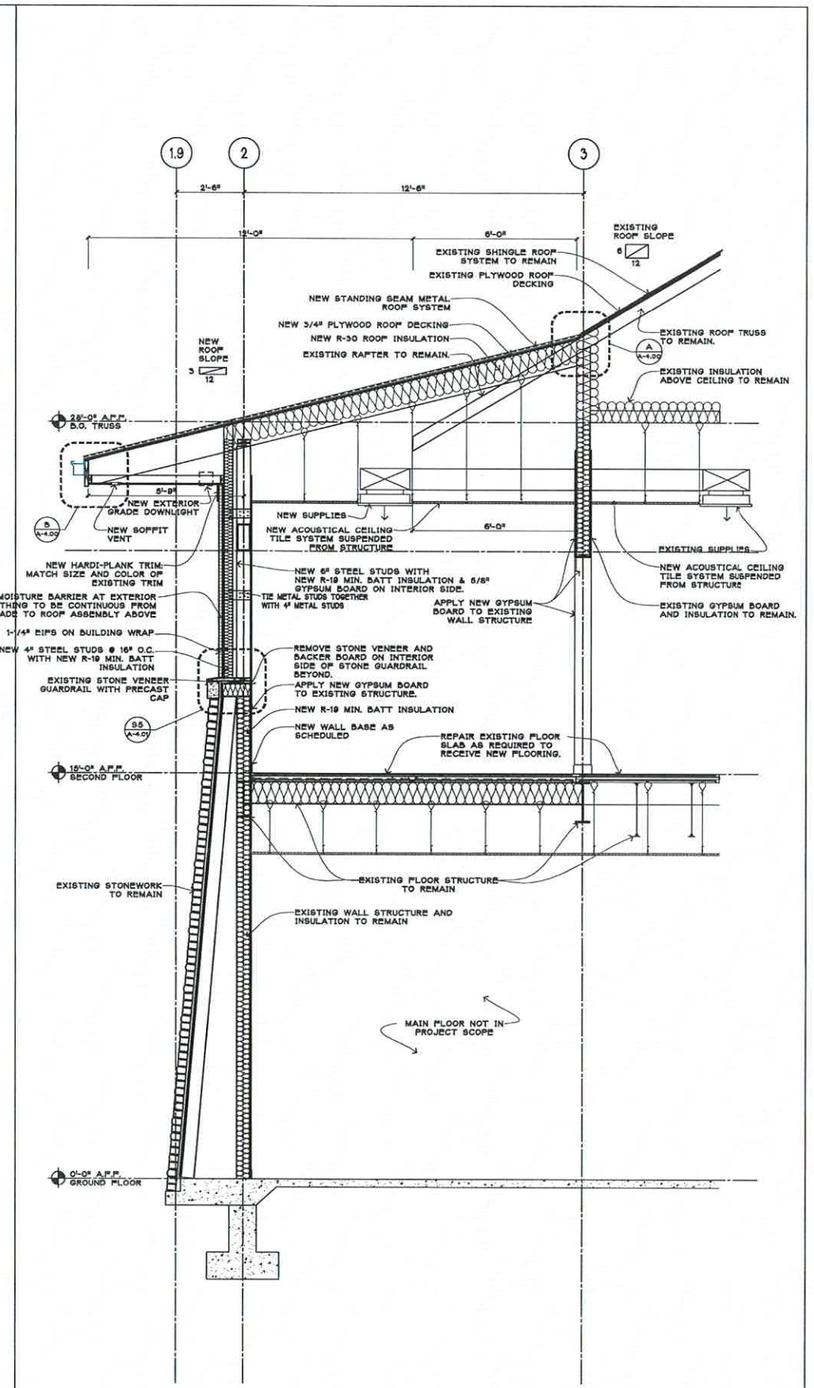
SHEET TITLE
WALL SECTIONS

SHEET NO.
A-3.00



A | WALL SECTION 1/2" = 1'-0"



B | WALL SECTION 1/2" = 1'-0"

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DATE	REVISIONS
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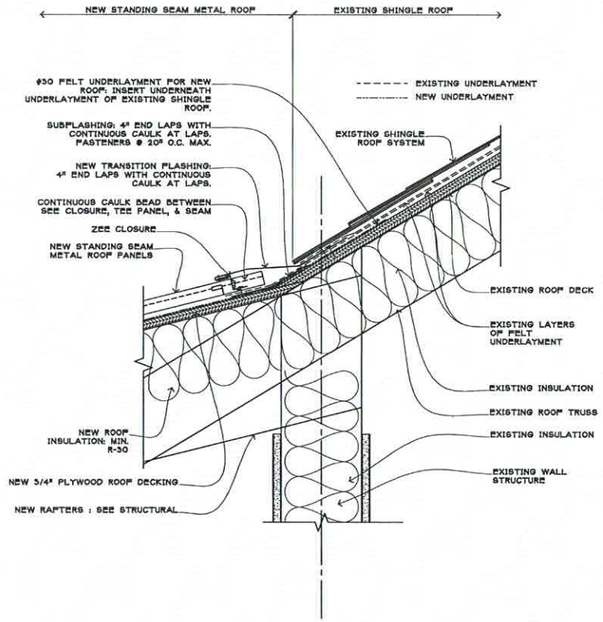
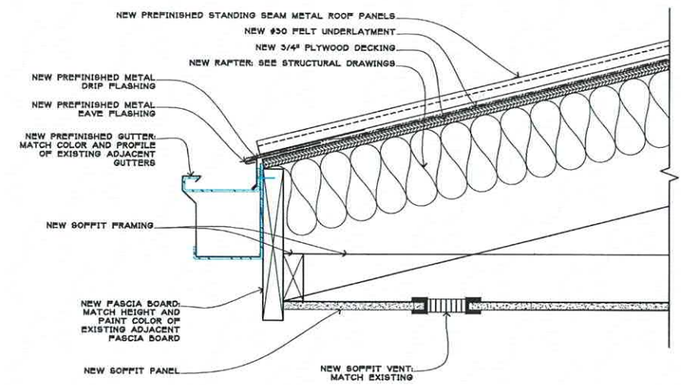
PROJECT NO.
16107

SHEET TITLE
WALL SECTIONS

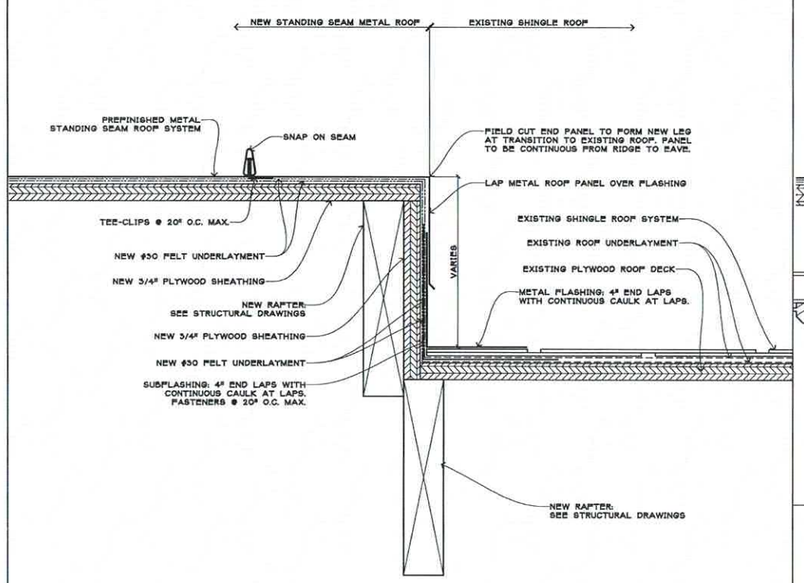
SHEET NO.
A-3.01



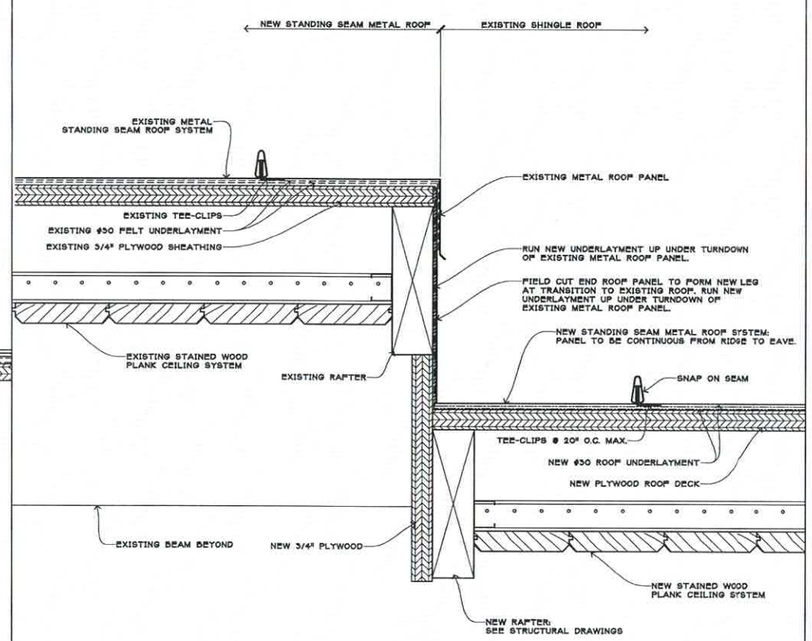
A | ROOF SLOPE TRANSITION DETAIL 3" = 1'-0"



B | EAVE DETAIL 3" = 1'-0"



C | RAKE TRANSITION DETAIL- NEW STANDING SEAM METAL ROOF TO EXISTING SHINGLE ROOF 6" = 1'-0"



D | RAKE TRANSITION DETAIL- EXISTING TO NEW STANDING SEAM METAL ROOF 6" = 1'-0"

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PROJECT NO.

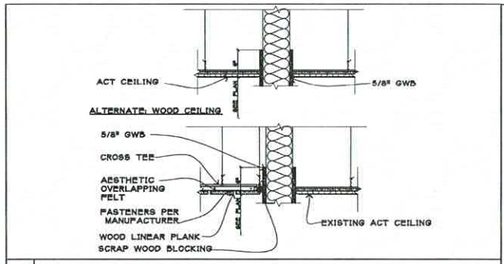
16107

SHEET TITLE

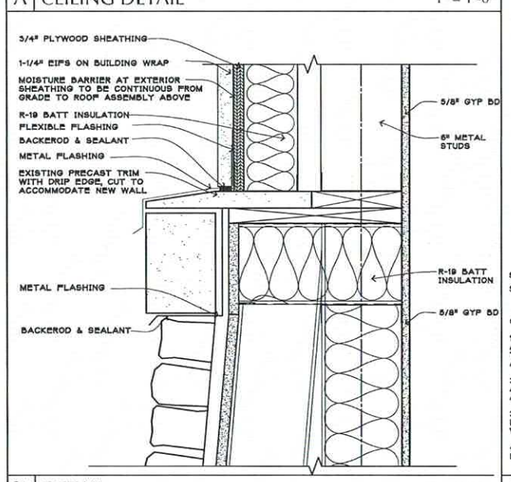
DETAILS

SHEET NO.

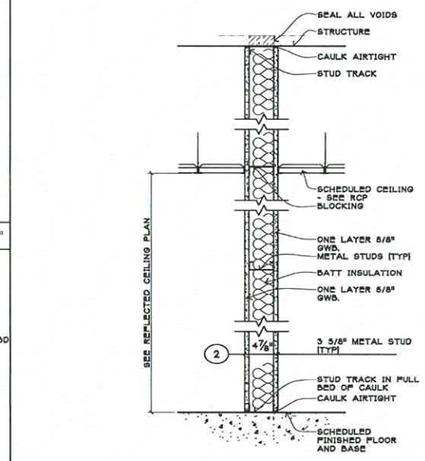
A-4.00



A | CEILING DETAIL 1" = 1'-0"



S5 | DETAIL 3" = 1'-0"



SOUND ISOLATION PARTITION - SEE GENERAL NOTES
STC 45-49

GENERAL NOTES, SOUND ISOLATION PARTITIONS:

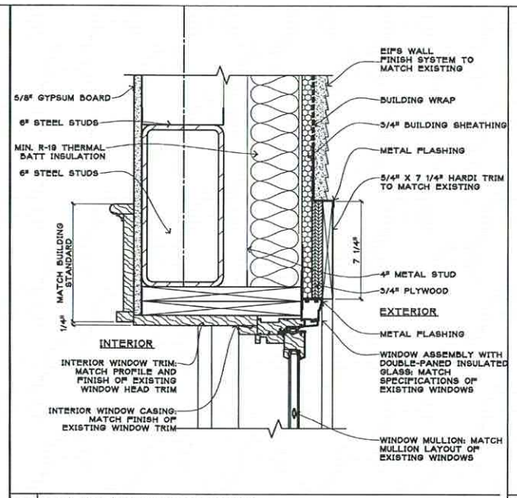
1. ALL PARTITIONS DESIGNATED AS SOUND ISOLATION PARTITIONS SHALL RECEIVE ACOUSTICAL SEALANT FOR THE ENTIRE PERIMETER OF THE PARTITION, INCLUDING TOP, SIDES AND CORNERS, UNLESS SIMILARLY SEALED FOR OTHER REASONS, SUCH AS FIRE RESISTANCE.

2. ALL PARTITIONS DESIGNATED AS SOUND ISOLATION PARTITIONS SHALL RECEIVE ACOUSTICAL SEALANT AT ALL PENETRATIONS WHICH ARE NOT OTHERWISE SEALED AIR TIGHT.

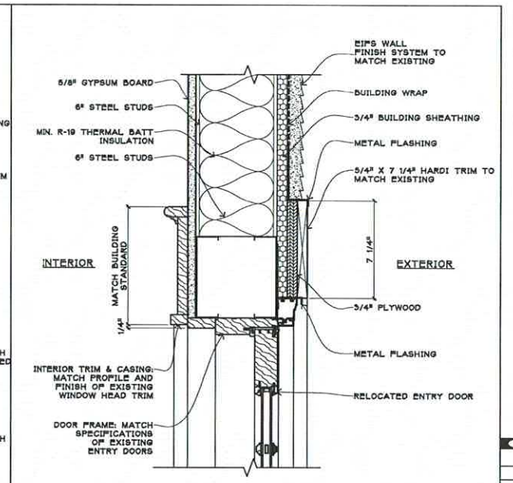
3. WHERE BATT INSULATION IS SCHEDULED IN A PARTITION, THE THICKNESS OF THE BATTS SHALL BE THE LARGEST STANDARD THICKNESS THAT CAN BE CONTAINED WITHIN THE DEPTH OF THE SCHEDULED STUD CAVITY.

4. WHERE BATT INSULATION IS SCHEDULED IN A SOUND ISOLATION PARTITION, CUT BATTS 1" WIDER THAN STUD SPACING AND CREASE TO FIT IN CAVITY, TYPICALLY.

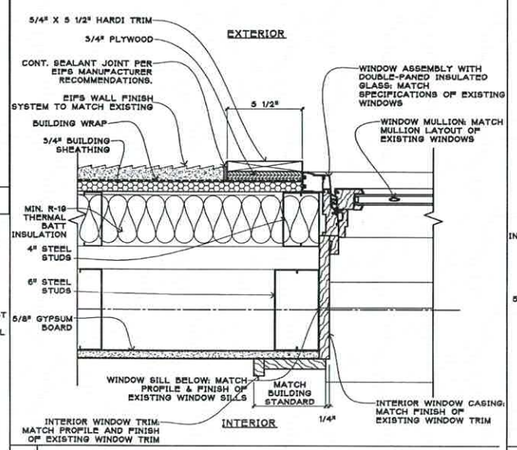
2 | INSULATED PARTITION 1 1/2" = 1'-0"



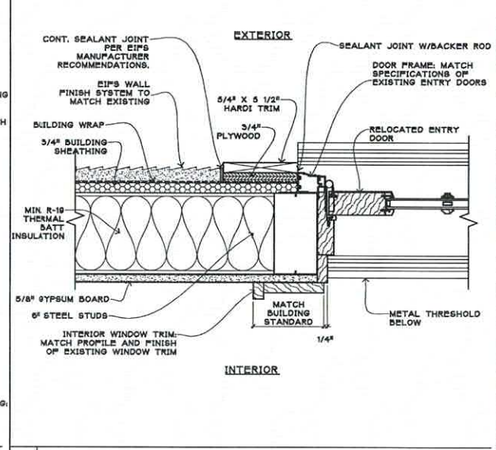
H1 | WINDOW HEAD DETAIL 3" = 1'-0"



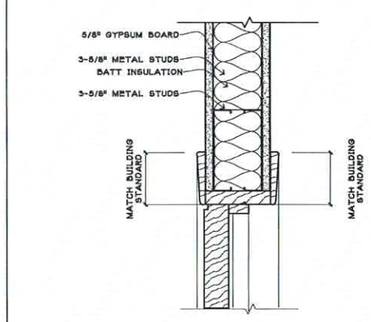
H2 | DOOR HEAD DETAIL 3" = 1'-0"



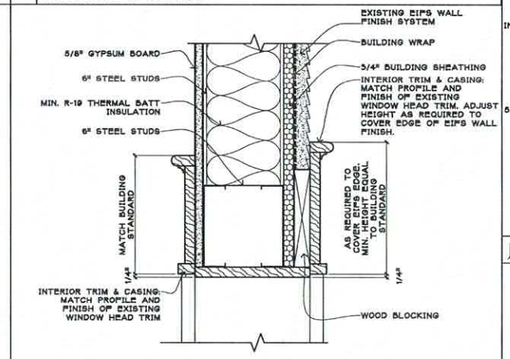
J1 | WINDOW JAMB DETAIL 3" = 1'-0"



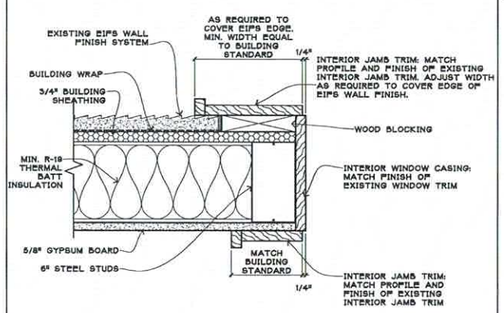
J2 | DOOR JAMB DETAIL 3" = 1'-0"



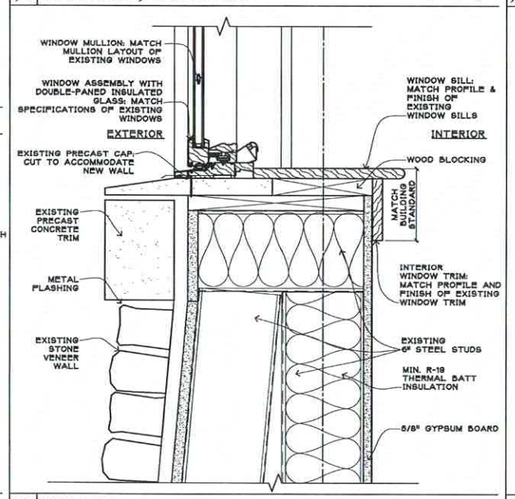
H4 | HEAD DETAIL 3" = 1'-0"



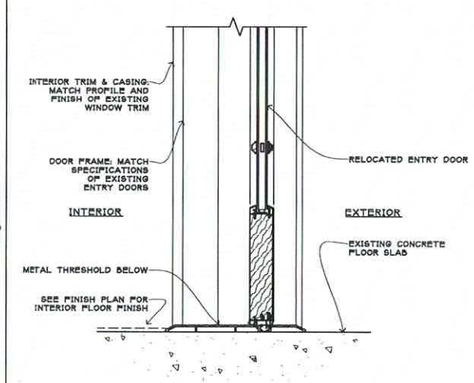
H3 | CASED OPENING HEAD DETAIL 3" = 1'-0"



J3 | CASED OPENING JAMB DETAIL 3" = 1'-0"



S1 | WINDOW SILL DETAIL 3" = 1'-0"



S2 | DOOR SILL DETAIL 3" = 1'-0"

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PROJECT NO.
16107

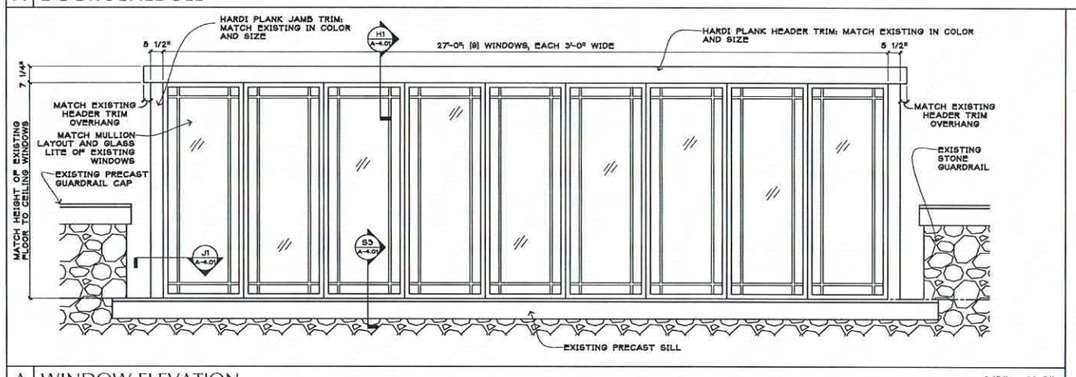
SHEET TITLE
DETAILS

SHEET NO.
A-4.01

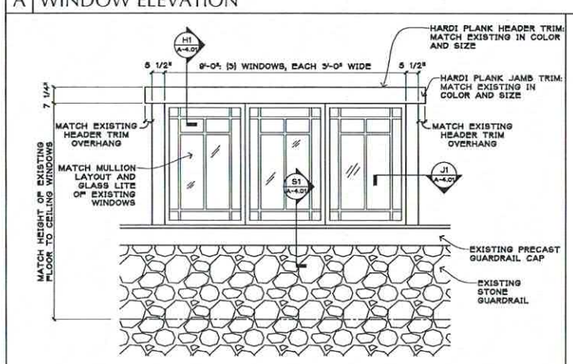
DOOR AND FRAME SCHEDULE

MARK	ROOM	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	DOOR ELEV	FRAME MATL	FRAME ELEV	FIRE RATING	HEAD	JAMB	SILL	HDWR SET	Signage	NOTES
2100A	EXISTING DINING AREA	8'-4"	7'-0"	NA	--	--	WD	E/A4.02		H3/A4.01	J3/A4.01	--	--		--
2100B	EXISTING DINING AREA	10'-4"	7'-0"	NA	--	--	WD	E/A4.02		H3/A4.01	J3/A4.01	--	--		--
2100C	EXISTING DINING AREA	10'-4"	7'-0"	NA	--	--	WD	E/A4.02		H3/A4.01	J3/A4.01	--	--		--
2100D	EXISTING DINING AREA	10'-4"	7'-0"	NA	--	--	WD	E/A4.02		H3/A4.01	J3/A4.01	--	--		--
2101A	NEW DINING AREA	PR 3'-0"	7'-0"	1 3/4"	SCWD	FLT	--	C/A4.02		H2/A4.01	J2/A4.01	S2/A4.01	--		Match existing exterior door & frames
2101B	NEW DINING AREA	3'-0"	7'-0"	1 3/4"	SCWD	FLT	--	D/A4.02		H2/A4.01	J2/A4.01	S2/A4.01	--		Match existing exterior door & frames
2103	MECH STO.	PR 2'-6"	7'-0"	1 3/4"	SCWD	FLU	WD	F/A4.02		H4/A4.01	J4/A4.01	--	--		Match existing interior door & frames

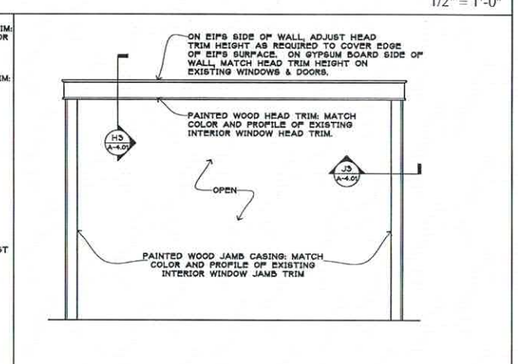
A | DOOR SCHEDULE



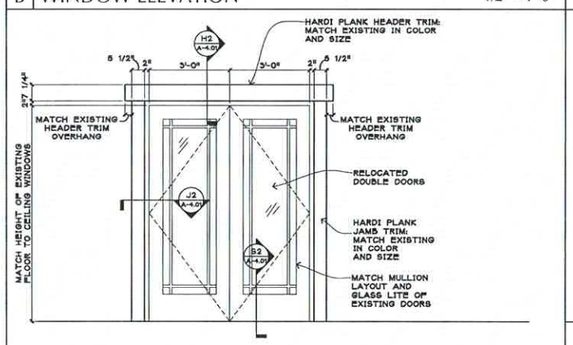
A | WINDOW ELEVATION 1/2" = 1'-0"



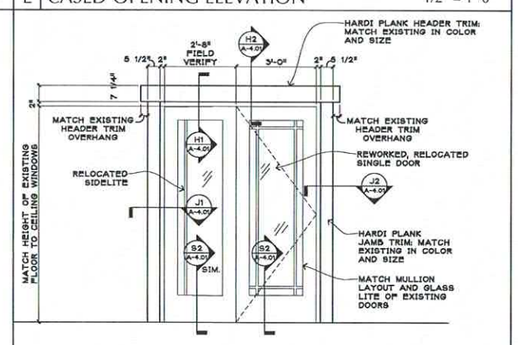
B | WINDOW ELEVATION 1/2" = 1'-0"



E | CASED OPENING ELEVATION 1/2" = 1'-0"



C | DOUBLE DOOR ELEVATION 1/2" = 1'-0"



D | SINGLE DOOR ELEVATION 1/2" = 1'-0"

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REVISIONS

10/01/22 BID SET

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PROJECT NO.

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SHEET TITLE

DOOR SCHEDULE

SHEET NO.

A-4.02

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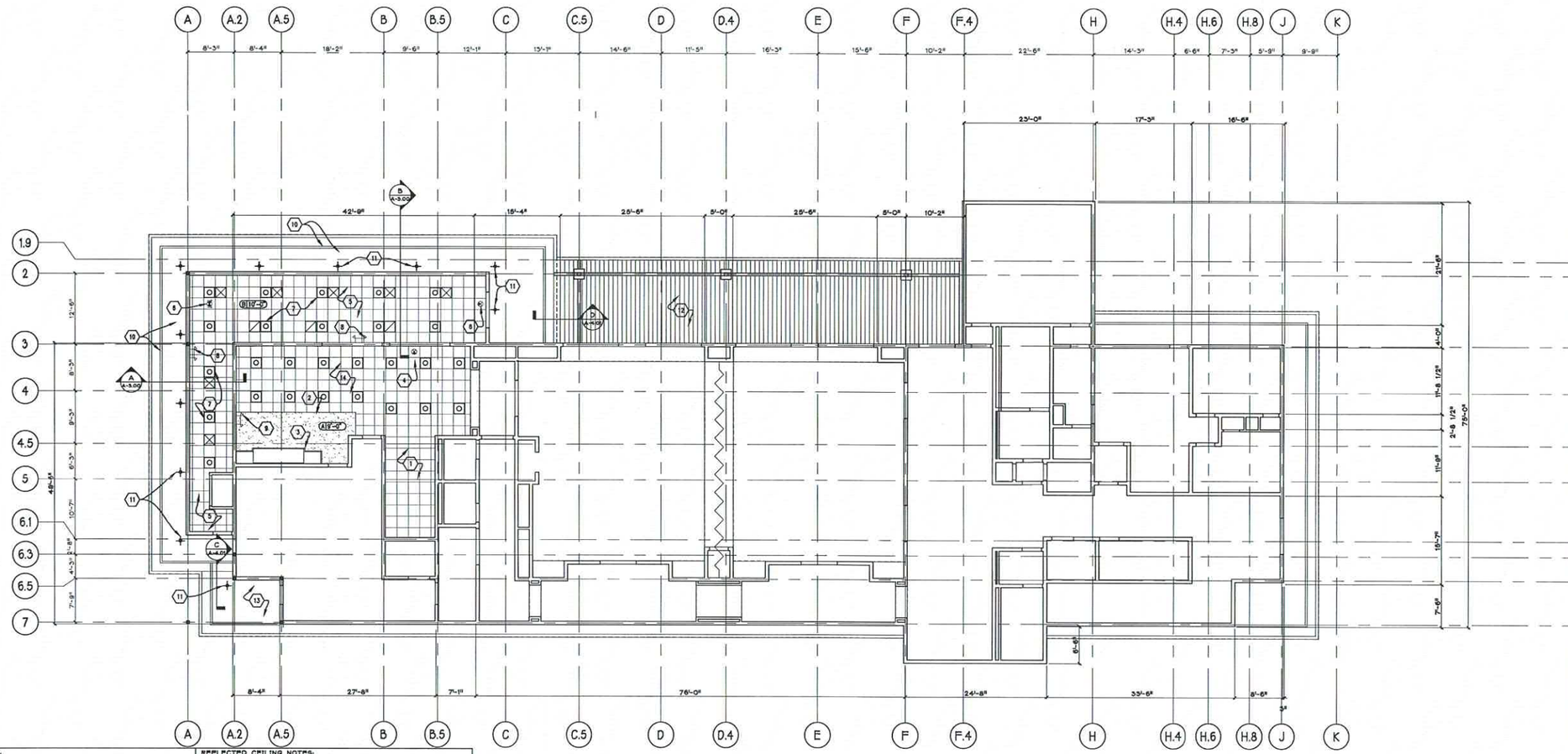

LIGHTING LEGEND:

- EXTERIOR GRADE RECESSED DOWNLIGHT (RELOCATED OR NEW TO MATCH EXISTING)
- 2'X2' RECESSED LIGHT FIXTURE (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- CEILING MOUNTED SINGLE FACE EXIT SIGN (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- CEILING MOUNTED DOUBLE FACE EXIT SIGN WITH ARROWS (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- WALL MOUNTED EMERGENCY BATTERY PACK (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- 2' X 2' RETURN DIFFUSER
- 2' X 2' SUPPLY DIFFUSER

CEILING MATERIAL LEGEND

CIV-4 — MATERIAL

HEIGHT A.F.F., U.N.O.

- A GYPSUM BOARD CEILING, PAINTED
- B ACOUSTICAL CEILING TILE
- C WOOD SLAT CEILING

NOTE: SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE.

REFLECTED CEILING NOTES:

1. EXISTING CEILING AND LIGHTING TO REMAIN.
2. EXISTING DROPPED SOFFIT AND LIGHTING TO REMAIN.
3. EXISTING STAINED WOOD SOFFIT WITH LIGHTING AND CEILING HIGH CABINETRY TO REMAIN.
4. VERIFY EXISTING EXIT SIGN OR PROVIDE NEW.
5. NEW CEILING SUSPENDED FROM STRUCTURE. MATCH SPECIFICATIONS OF EXISTING CEILING IN DINING ROOM. ALTERNATE : 3/4" X 6", TONGUE AND GROOVE, PINE SLAT CEILING SYSTEM STAINED AND FINISHED TO MATCH EXISTING PORCH.
6. NEW CEILING MOUNTED EXIT SIGNS.
7. NEW 2'X2' RECESSED LIGHT FIXTURES TO MATCH EXISTING FIXTURES IN DINING ROOM. ALTERNATE: 4' LINEAR LIGHT FIXTURE.
8. NEW EMERGENCY BATTERY PACK TIED TO BUILDING FIRE ALARM SYSTEM. MATCH SPECIFICATIONS OF EXISTING BATTERY PACKS.
9. VERIFY EXISTING BATTERY PACK OR PROVIDE NEW.
10. NEW SOFFIT PANELS WITH STRIP VENTS AND GUTTER TO MATCH EXISTING.
11. NEW OR RELOCATED EXTERIOR GRADE RECESSED DOWNLIGHT FIXTURES.
12. EXISTING STAINED WOOD PLANK CEILING TO REMAIN.
13. EXISTING SOFFIT PANELS WITH VENT AND GUTTER TO REMAIN.
14. REPLACE EXISTING 2X2 FIXTURES. CEILING TO REMAIN.

A | UPPER LEVEL REFLECTED CEILING PLAN

1/8" = 1'-0"

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PROJECT NO

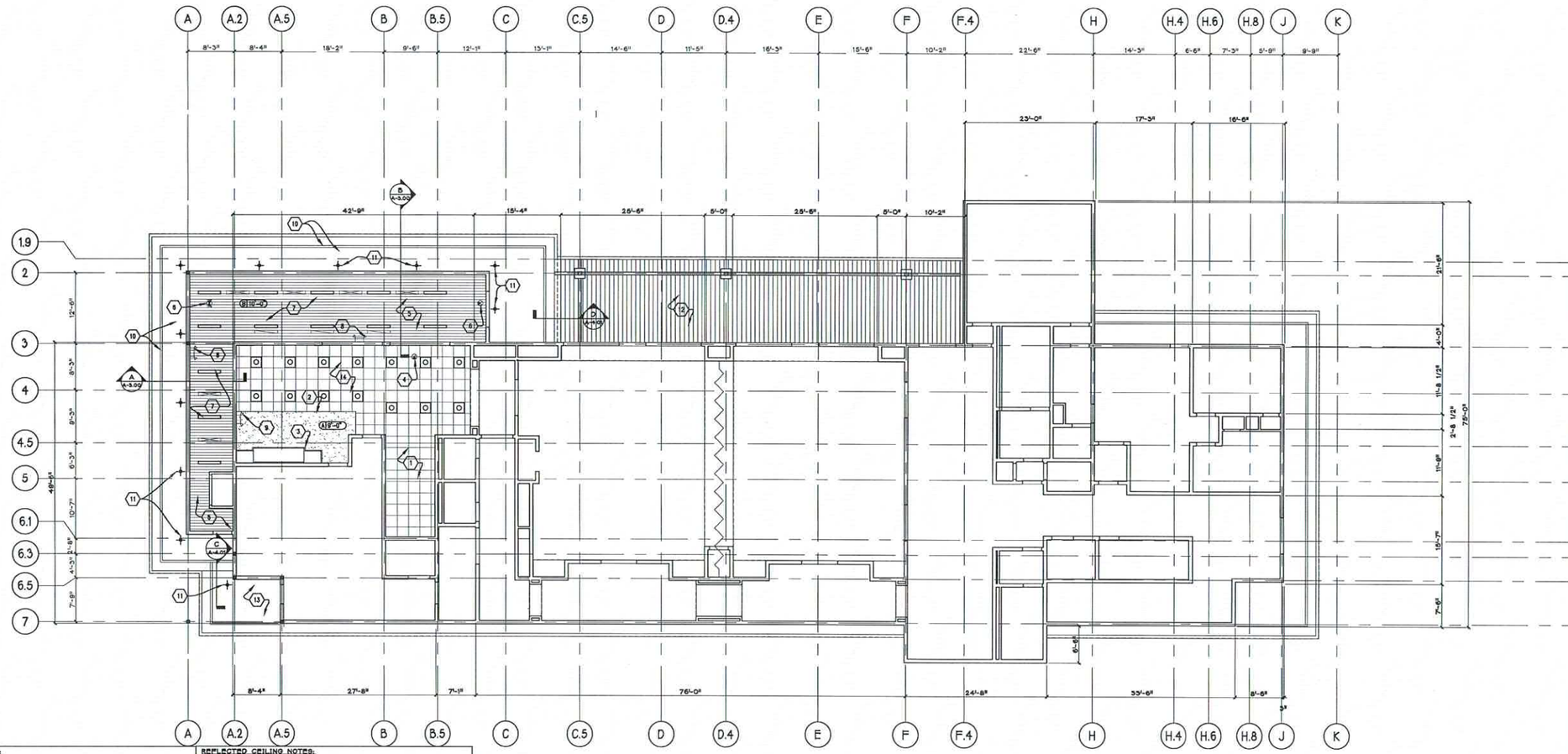
16107

SHEET TITLE

UPPER LEVEL - RCP

SHEET NO

A-6.00



LIGHTING LEGEND:

- EXTERIOR GRADE RECESSED DOWNLIGHT (RELOCATED OR NEW TO MATCH EXISTING)
- 2'X2' RECESSED LIGHT FIXTURE (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- CEILING MOUNTED SINGLE FACE EXIT SIGN (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- CEILING MOUNTED DOUBLE FACE EXIT SIGN WITH ARROWS (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- WALL MOUNTED EMERGENCY BATTERY PACK (SPECIFICATIONS TO MATCH EXISTING BUILDING STANDARD)
- 2' X 2' RETURN DIFFUSER
- 2' X 2' SUPPLY DIFFUSER

CY-4* — MATERIAL
HEIGHT A.F.F., U.N.O.

CEILING MATERIAL LEGEND

- A GYPSUM BOARD CEILING, PAINTED
- B ACOUSTICAL CEILING TILE
- C WOOD SLAT CEILING

NOTE: SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE.

REFLECTED CEILING NOTES:

1. EXISTING CEILING AND LIGHTING TO REMAIN.
2. EXISTING DROPPED SOFFIT AND LIGHTING TO REMAIN.
3. EXISTING STAINED WOOD SOFFIT WITH LIGHTING AND CEILING HIGH CABINETRY TO REMAIN.
4. VERIFY EXISTING EXIT SIGN OR PROVIDE NEW.
5. NEW CEILING SUSPENDED FROM STRUCTURE. MATCH SPECIFICATIONS OF EXISTING CEILING IN DINING ROOM. ALTERNATE : 3/4" X 6", TONGUE AND GROOVE, PINE SLAT CEILING SYSTEM STAINED AND FINISHED TO MATCH EXISTING PORCH.
6. NEW CEILING MOUNTED EXIT SIGNS.
7. NEW 2'X2' RECESSED LIGHT FIXTURES TO MATCH EXISTING FIXTURES IN DINING ROOM. ALTERNATE: 4' LINEAR LIGHT FIXTURE.
8. NEW EMERGENCY BATTERY PACK TIED TO BUILDING FIRE ALARM SYSTEM. MATCH SPECIFICATIONS OF EXISTING BATTERY PACKS.
9. VERIFY EXISTING BATTERY PACK OR PROVIDE NEW.
10. NEW SOFFIT PANELS WITH STRIP VENTS AND GUTTER TO MATCH EXISTING.
11. NEW OR RELOCATED EXTERIOR GRADE RECESSED DOWNLIGHT FIXTURES.
12. EXISTING STAINED WOOD PLANK CEILING TO REMAIN.
13. EXISTING SOFFIT PANELS WITH VENT AND GUTTER TO REMAIN.
14. REPLACE EXISTING 2X2 FIXTURES. CEILING TO REMAIN.

A | UPPER LEVEL REFLECTED CEILING PLAN - ALTERNATE

1/8" = 1'-0"

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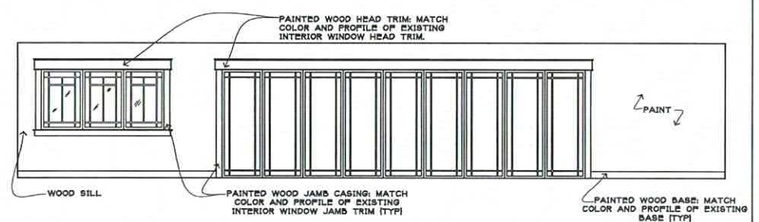
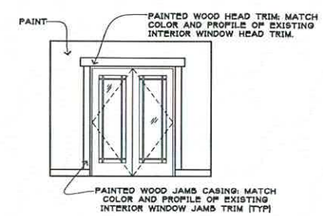
PROJECT NO
16107

SHEET TITLE
UPPER LEVEL - RCP - ALTERNATE

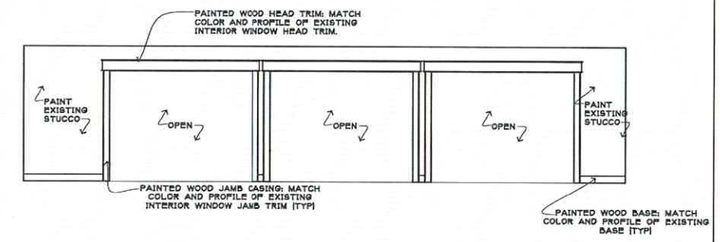
SHEET NO
A-6.01



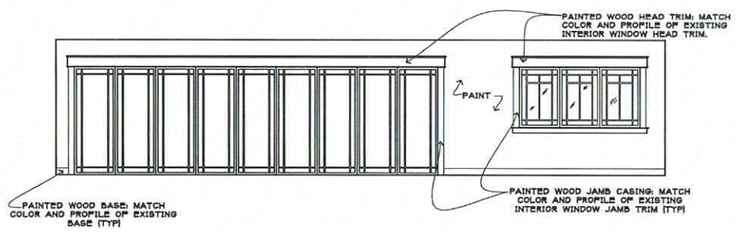
A | INTERIOR ELEVATION 1/4" = 1'-0"



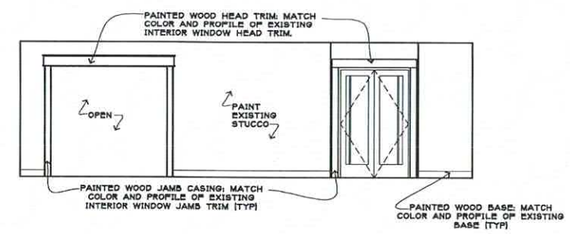
B | INTERIOR ELEVATION 1/4" = 1'-0"



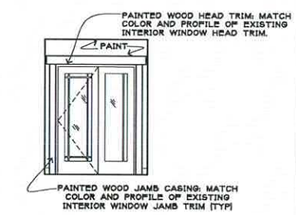
C | INTERIOR ELEVATION 1/4" = 1'-0"



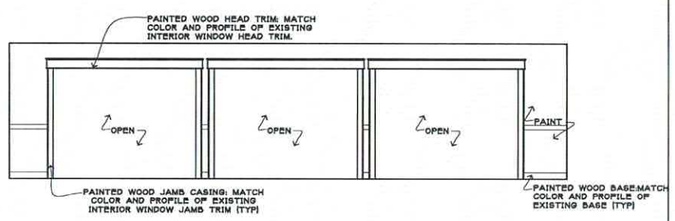
D | INTERIOR ELEVATION 1/4" = 1'-0"



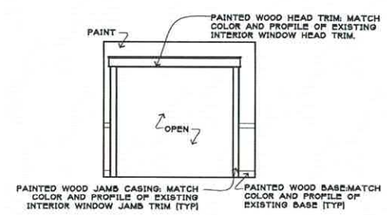
E | INTERIOR ELEVATION 1/4" = 1'-0"



F | INTERIOR ELEVATION 1/4" = 1'-0"



G | INTERIOR ELEVATION 1/4" = 1'-0"



H | INTERIOR ELEVATION 1/4" = 1'-0"

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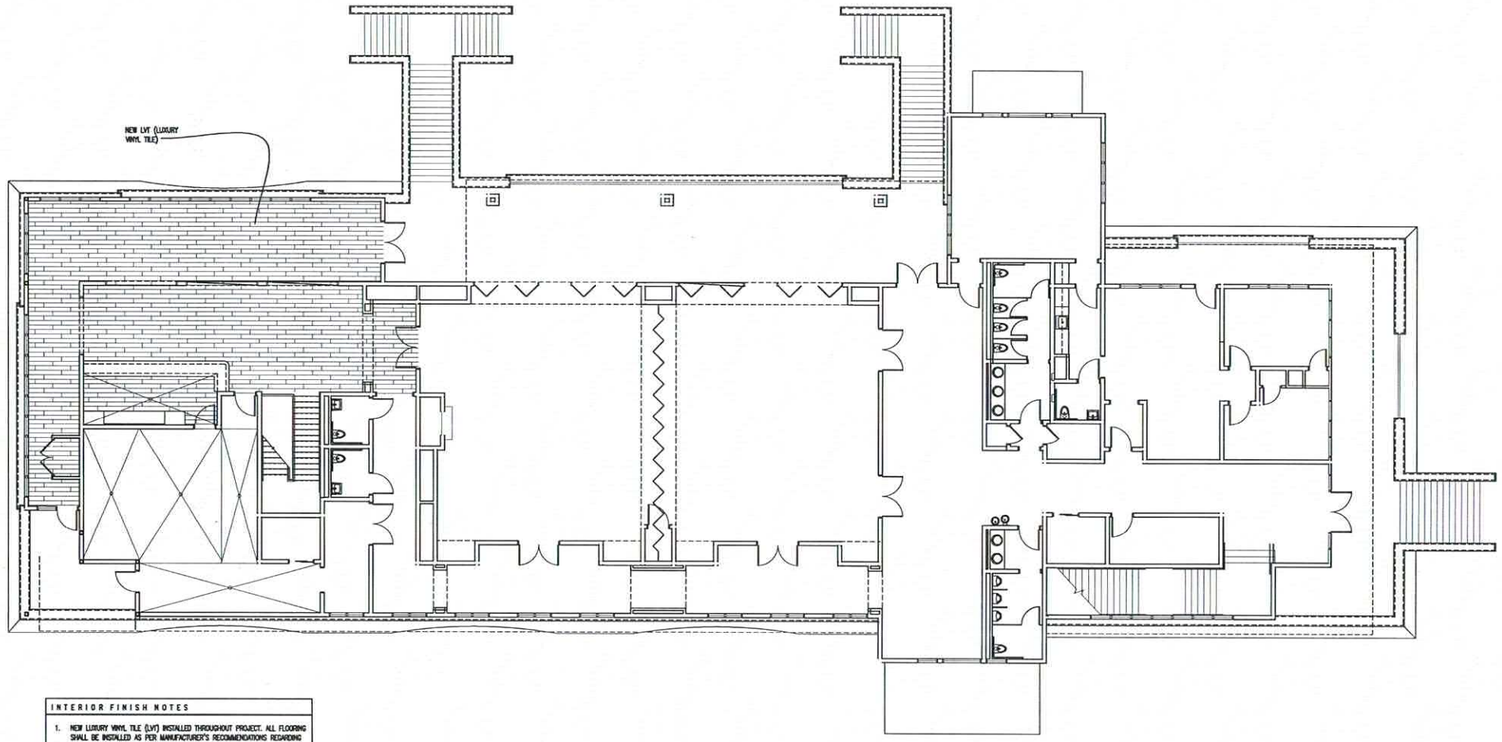
PROJECT NO.
16107

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO.
A-7.00



INTERIOR FINISH NOTES

1. NEW LUXURY VINYL TILE (LVT) INSTALLED THROUGHOUT PROJECT. ALL FLOORING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS REGARDING ADHESIVES, SEAMING, DIRECTIONS AND ETC.
2. CONTRACTOR SHALL PROCE NEW LVT BY SHAW CONTRACT, STYLE: SOUNDSCAPE (A0631), COLOR: TBD, SIZE: 6" X 48".
3. ALL TRANSACTIONS BI FLOOR MATERIALS SHALL OCCUR UNDER THE CENTERLINE OF THE CLOSED DOOR.
4. ALL WALLS SHALL BE PAINTED TO MATCH EXISTING COLOR/S. THIS ALSO INCLUDES ACCENT PAINTED WALLS
5. ALL EXISTING MILLWORK SHALL REMAIN. CLEAN AND REPAIR AS REQUIRED.
6. ALL FLOORING SHALL EXTEND UNDER COUNTERTOPS AND SINKS.
7. ALL FLOORING SHALL BE CENTERED IN ROOMS, UNLESS OTHERWISE SHOWN.
8. CONTRACTOR TO FIELD VERIFY AND MATCH EXISTING INTERIOR TRIM. REPAIR AND CLEAN EXISTING TRIM AS REQUIRED. THIS ALSO INCLUDES THE PAINT COLOR.
9. EXISTING PORCELAIN TILE SHALL REMAIN. CONTRACTOR TO CLEAN AND REPAIR AS REQUIRED.

A | INTERIOR FINISH PLAN

1/8" = 1'-0"

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PROJECT NO.
16107

SHEET TITLE
INTERIOR FINISHES

SHEET NO.
A-8.00

STRUCTURAL GENERAL NOTES :

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS AND ASCE 7-16. THE FOLLOWING CRITERIA APPLY:

ROOF LIVE LOAD = 20 psf
(DOES NOT INCLUDE MECHANICAL UNITS)
ROOF DEAD LOAD = 15 psf
ROOF DEAD LOAD = 5 psf
(AVAILABLE TO RESIST UPLIFT)
FLOOR LIVE LOAD = 100 psf

GROUND SNOW LOAD, Pg = 10 psf

SEISMIC IMPORTANCE FACTOR, I = 1.0
MAPPED SPECTRAL ACCELERATIONS:
Ss = 0.350, S1 = 0.106
SITE CLASS (SOIL TYPE) D
SPECTRAL RESPONSE COEFFICIENTS:
SDs = 0.353, SD1 = 0.169
SEISMIC DESIGN CATEGORY C
SEISMIC FORCE RESISTING SYSTEM:
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
DESIGN BASE SHEAR = Wx0.118 KIPS
SEISMIC RESPONSE COEFFICIENT, Cs = 0.118
RESPONSE MODIFICATION FACTOR, R = 3.0
ANALYSIS PROCEDURE: E.L.F. PROCEDURE

BASIC WIND SPEED
V (ult) 105 mph
V (asd) 81 mph
WIND IMPORTANCE FACTOR, Iw = 1.0
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: ±0.18
WIND LOADS – COMPONENTS & CLADDING:
(ULTIMATE WIND PRESSURES PROVIDED)

	ZONE	A=10	A=20	A=50	A=100
ROOF SLOPE 0 TO 7°	ZONE 1	+20.7 −34.9	+17.8 −34.9	+15.0 −30.8	+16.0 −27.8
	ZONE 2e	+20.7 −45.7	+17.8 −42.9	+15.0 −37.8	+16.0 −34.0
	ZONE 2r	+20.7 −60.8	+17.8 −54.5	+15.0 −45.0	+16.0 −40.9
	ZONE 3	+20.7 −82.7	+17.8 −72.8	+15.0 −57.8	+16.0 −54.0
	ZONE 2e OVERHANG	−54.2	−53.1	−51.7	−50.5
	ZONE 3 OVERHANG	−68.2	−61.2	−51.8	−44.7
ROOF SLOPE 7 TO 27°	ZONE 1	+20.7 −37.2	+17.8 −33.0	+15.0 −27.4	+16.0 −23.1
	ZONE 2e	+20.7 −51.4	+17.8 −45.9	+15.0 −38.7	+16.0 −33.3
	ZONE 2r	+20.7 −51.4	+17.8 −45.9	+15.0 −38.7	+16.0 −33.3
	ZONE 3	+20.7 −51.4	+17.8 −45.9	+15.0 −38.7	+16.0 −33.3
	ZONE 2e OVERHANG	−57.4	−55.2	−51.9	−49.8
	ZONE 3 OVERHANG	−68.9	−61.2	−50.8	−43.1
	ZONE 4	+22.8 −38.9	+28.6 −35.8	+24.9 −27.7	+23.7 −30.0
	ZONE 5	+22.8 −37.3	+28.6 −34.7	+24.9 −31.4	+23.7 −28.9

(A = EFFECTIVE WIND AREA, a = 6"-5".
ADJUSTMENT FACTOR = 1.40.
SEE FIG. 30.4-1, ASCE 7-16 FOR ZONE LAYOUT AND ADD. INFO.)

GENERAL:

1. GENERAL CONTRACTOR SHALL VERIFY LOCATIONS OF MECHANICAL EQUIPMENT AND COORDINATE WITH THE STRUCTURAL DRAWINGS.
2. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT.
3. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS DURING CONSTRUCTION.
4. CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTING ANY WORK.
5. COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS INCLUDING BUT NOT LIMITED TO CANOPIES, ALUMINUM STOREFRONT, CURTAIN WALL GLAZING SYSTEMS AND ORNAMENTAL QUADRANGLS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIMES OF INSPECTION.

EXISTING CONDITIONS:

1. WHERE EXISTING CONDITIONS ARE SHOWN THEY HAVE BEEN DERIVED FROM AVAILABLE DRAWINGS AND REPRESENT THE ENGINEER'S BEST ESTIMATE OF ACTUAL CONDITIONS. DEPICTED EXISTING CONDITIONS MAY NOT, IN ALL CASES, BE CORROBORATED BY FIELD INVESTIGATIONS.
2. ALL DIMENSIONS AND DETAILS OF EXISTING WORK INDICATED ON THE DRAWINGS SHALL BE FIELD MEASURED AND VERIFIED BEFORE PROCEEDING WITH WORK. ANY DISREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
3. NECESSARY PRECAUTIONS SHALL BE TAKEN NOT TO DISTURB OR UNDERMINE ANY EXISTING BUILDING FOUNDATIONS OR STRUCTURE AND SHORING SHALL BE PROVIDED AS REQUIRED.
4. CONTRACTOR SHALL NOT MODIFY ANY EXISTING STRUCTURAL COMPONENTS WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER UNLESS SPECIFICALLY NOTED IN THE THESE DRAWINGS.

CONCRETE:

1. CONCRETE FOR ALL STRUCTURAL ELEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 psi, AND SHALL BE NORMAL WEIGHT.
2. UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL BE A MINIMUM OF FOUR INCHES THICK, SHALL BE REINFORCED WITH 6x6–W1.4xW1.4 W.W.F., LOCATED 1½" BELOW THE TOP OF SLAB AND PLACED OVER A MINIMUM 4" THICK LAYER OF FREE-DRAINING MATERIAL SUCH AS CRUSHED STONE.
3. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SHALL BE AIR ENTRAINED 5% +/-1.
4. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITIONS OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
5. CONCRETE TEST REPORTS SHALL BE AVAILABLE AT THE JOB SITE.

REINFORCING:

1. DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCING", AND CRSI MANUAL OF STANDARD PRACTICE.
1. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 DEFORMED BARS, UNO. LAP SPLICE LENGTH SHALL BE A MINIMUM "CLASS B" TENSION SPLICE, UNO.
2. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185 AND SHALL BE LAPPED A MINIMUM OF 8" ON ALL SIDES AND SPLICES.
3. BRICK AND CMU VENEER TIES SHOULD BE A MINIMUM 9 GAUGE CORROSION-RESISTANT WIRE @ 16" MAX. HORIZONATALLY, AND 24" O.C. VERTICALLY, SECURELY ATTACHED TO SUPPORT WALL.

STEEL:

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 GRADE 50, EXCEPT STRUCTURAL TUBING (HSS) SHALL CONFORM TO ASTM A500 GRADE B, AND PIPE SHAPES SHALL CONFORM TO ASTM A53 GRADE B. ANGLES AND MISCELLANEOUS PLATES AND BARS MAY CONFORM TO ASTM A36.
2. ALL BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED ACCORDING TO "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 AND ASTM A490 BOLTS".
3. ANCHOR RODS SHALL CONFORM TO ATSM F1554, GRADE 36, UNO.
4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS STRUCTURAL WELDING CODE AND SHALL BE PERFORMED BY CERTIFIED WELDERS USING E70XX ELECTRODES.
5. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTED OF STEEL CONSTRUCTION SPECIFICATIONS, ALLOWABLE STRESS DESIGN, LATEST EDITION.

WOOD:

1. STRUCTURAL WOOD COMPONENTS (BEAMS, JOISTS, RAFTERS, ETC.) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE FIBER STRESSES OF NO. 2 SOUTHERN PINE CONFORMING TO THE LATEST EDITION OF NDS, AS FOLLOWS UNLESS NOTED OTHERWISE:
   GREAR = 1,150 psi.
   BENDING 2x6 Fb = 1,250 psi.
   BENDING 2X8 Fb = 1,200 psi.
   BENDING 2X10 Fb = 1,050 psi.
   BENDING 2X12 Fb = 975 psi.
2. WOOD IN CONTACT WITH CONCRETE OR MASONRY, AND AT OTHER LOCATIONS AS SHOWN ON STRUCTURAL DRAWINGS, SHALL BE PROTECTED OR PRESSURE TREATED IN ACCORDANCE WITH AMERICAN WOOD – PRESERVERS' ASSOCIATION STANDARDS. MEMBER SIZES SHOWN ARE NOMINAL UNLESS NOTED OTHERWISE.
3. ENGINEERED WOOD TRUSS SYSTEMS SHALL BE DESIGNED BY SUPPLIER'S SPECIALTY ENGINEER TO CONFIGURATION AND LOAD CARRYING CAPACITY SHOWN ON DRAWINGS AND SPECIFICATIONS. ALTERNATE TRUSS LAYOUTS ARE ACCEPTABLE ONLY AS A CHANGE ORDER WHICH WILL INCLUDE ENGINEERING CHARGES FOR REDESIGN OF THE STRUCTURE BY THE ENGINEER OF RECORD. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW AND SPECIFY CONNECTION TYPES UTILIZED WITHIN TRUSSES, AS WELL AS CONNECTORS UTILIZED IN OTHER CONNECTIONS AND ATTACHMENTS BETWEEN TRUSSES OR COMPONENTS SUPPLIED AS PART OF THE ENGINEERED TRUSS SYSTEM. ALL HARDWARE (BOLTS, HANGERS, STRAPS, ETC.) REQUIRED FOR CONNECTIONS BETWEEN PRE-ENGINEERED TRUSSES SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS ENGINEER. AN ERECTION DRAWING SHALL BE INCLUDED, IDENTIFYING TRUSS SYSTEM COMPONENTS, AS WELL AS PERMANENT BRACING REQUIRED FOR TRUSS DESIGN. BRACE IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE'S "BUILDING COMPONENT SAFETY INFORMATION BOOKLET, BCSI-03" AND RELATED SUMMARY SHEETS.
4. ENGINEERED SHOP DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A REGISTERED GEORGIA PROFESSIONAL ENGINEER AS THE SPECIALTY ENGINEER. ALL PRE-ENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD.
5. THE FOLLOWING LOAD DURATION FACTORS SHALL BE USED:
   DEAD LOAD 0.90
   DEAD LOAD + FLOOR LIVE LOAD 1.00
   DEAD LOAD + ROOF LIVE LOAD 1.25
   DEAD LOAD + WIND LOAD 1.33
6. PLYWOOD FLOOR, WALL AND ROOF SHEATHING ARE DESIGNED AS DIAPHRAGMS AND SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 23 OF THE BUILDING CODE. UNLESS SHOWN OTHERWISE, SPAN RATED PANELS SHALL BE FASTENED TO NOMINAL 2X SOUTHERN PINE FRAMING SPACED UP TO 24" O/C. IN ACCORDANCE WITH THE FOLLOWING:
   PANELS UP TO 1/2" THICK: 8d NAILS AT 6" O/C. EDGE, 12" O/C. ELSEWHERE.
   PANELS UP TO 5/8" THICK: 10d NAILS AT 6" O/C. EDGE, 12" O/C. ELSEWHERE.
   PANELS UP TO 3/4" THICK: 12d NAILS AT 6" O/C. EDGE, 12" O/C. ELSEWHERE.
7. WOOD TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED GRAVITY LOADS:
   TOP CHORD DEAD LOAD 10 PSF
   BOTTOM CHORD DEAD LOAD 10 PSF
   TOP CHORD LIVE LOAD 20 PSF
   BOTTOM CHORD LIVE LOAD, U.N.O. 0 PSF
8. DESIGN ROOF TRUSSES TO RESIST WIND UPLIFT PRESSURES IN ACCORDANCE WITH THE BUILDING CODE NOTED ABOVE. USE ROOF DEAD LOAD (AVAILABLE TO RESIST UPLIFT) LISTED IN THE DESIGN LOAD SECTION IN DETERMINING NET UPLIFT PRESSURES.
9. IN ADDITION TO THE ABOVE LOADS, WOOD ROOF TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS ALONG WITH ROOF FRAMING PLAN FOR LOADING INFORMATION AND LOCATION. LOADING REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.
10. MULTIPLE MEMBER BEAMS OF 2x OR LVL SHALL BE ATTACHED WITH A MINIMUM OF TWO ROWS OF 16d NAILS @ 12" O.C., STAGGER.
11. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,600 psi, Fv = 220 psi, E = 1,600 ksi

ABBREVIATIONS

AB	– ANCHOR BOLT	INFO	– INFORMATION
ALT	– ALTERNATE	INT	– INTERIOR
APPROX	– APPROXIMATELY	JT	– JOINT
ARCH	– ARCHITECT	KJ	– CONSTRUCTION JOINT
ARCHL	– ARCHITECTURAL	L	– ANGLE
B/	– BOTTOM OF	LG	– LONG
BOPE	– BOB GOODMAN, PE	LLH	– LONG LEG HORIZONTAL
BLDG	– BUILDING	LLV	– LONG LEG VERTICAL
BM	– BEAM	LP	– LOW POINT
BOS	– BOTTOM OF STEEL	LW	– LONG WAY
BOTT	– BOTTOM	MFR	– MANUFACTURER
BRG	– BEARING	MAS	– MASONRY
C/C	– CENTER TO CENTER	MO	– MASONRY OPENING
CH	– CHANNEL	MATL	– MATERIAL
CIP	– CAST IN PLACE	MAX	– MAXIMUM
CJ	– CONTRACTION JOINT	MEP	– MECHANICAL/ELECTRICAL/PLUMBING
CL	– CENTERLINE	MIN	– MINIMUM
CLR	– CLEAR	MISC	– MISCELLANEOUS
CMU	– CONCRETE MASONRY UNIT	NS	– NEAR SIDE
COL	– COLUMN	NIC	– NOT IN CONTRACT
CONC	– CONCRETE	NTS	– NOT TO SCALE
CONFIG	– CONFIGURATION	O/C	– ON CENTER
CONT	– CONTINUOUS	OH	– OPPOSITE HAND
CONTR	– CONTRACTOR	OPNG	– OPENING
CTR	– CENTER	PART	– PARTITION
DBL	– DOUBLE	PL	– PLATE
DTL	– DETAIL	plf	– POUNDS PER LINEAR FOOT
DIA	– DIAMETER	psf	– POUNDS PER SQUARE FOOT
DIM	– DIMENSION	psi	– POUNDS PER SQUARE INCH
DN	– DOWN	PT	– POST TENSIONED/PRESSURE TREATED
DWG	– DRAWING	REINF	– REINFORCING/REINFORCEMENT
EA	– EACH	REM	– REMAINDER
EE	– EACH END	REQD	– REQUIRED
EF	– EACH FACE	REV	– REVISED/REVISION
EJ	– EXPANSION JOINT	RO	– ROUGH OPENING
EL	– ELEVATION	SCHED	– SCHEDULE
ELEV	– ELEVATOR	SECT	– SECTION
EOD	– EDGE OF DECK	SIM	– SIMILAR
EOS	– EDGE OF SLAB	SQ	– SQUARE
EQ	– EQUAL	STD	– STANDARD
EW	– EACH WAY	SW	– SHEARWALL/SHORT WAY
EXIST	– EXISTING	STL	– STEEL
EXP	– EXPANSION	STRUCT	– STRUCTURAL
FIN	– FINISH	TG	– TRUSS GIRDER
FLR	– FLOOR	TO	– THRU OUT
FND	– FOUNDATION	T/	– TOP OF
FEM	– FACE OF MASONRY	TOC	– TOP OF CONCRETE
FS	– FAR SIDE	T	– TOP
FT	– FOOT	TEMP	– TEMPERATURE
FTG	– FOOTING	TOS	– TOP OF STEEL
GA	– GAGE	TRC	– TRC WORLDWIDE ENGINEERING, INC.
GALV	– GALVANIZED	TYP	– TYPICAL
GC	– GENERAL CONTRACTOR	UNO	– UNLESS NOTED OTHERWISE
HC	– HOLLOW CORE	VERT	– VERTICAL
HG	– HIP GIRDER	W/	– WITH
HORIZ	– HORIZONTAL	WD	– WOOD
HP	– HIGH POINT	WWF	– WELDED WIRE FABRIC
IJ	– ISOLATION JOINT		

LEGEND

ITEM	SYMBOL	ITEM	SYMBOL
CONCRETE		TOP OF FOOTING ELEVATION	CT-8
EARTH		SPOT ELEVATION	+12'-0"
CONCRETE BLOCK (CMU)		STEP IN FTG OR GRADE BM	
BRICK		CENTERLINE BEAM SPLICE	
SECTION INDICATOR	4 S-5	NUMBER (PRECEDING)	# NO.
DETAIL INDICATOR	1 D6.0	PLUS OR TENSION	+
		MINUS OR COMPRESSION	−
		POUNDS (FOLLOWING)	#
		STEP IN STRUCTURE OR DEPRESSED SLAB	OR
FOOTING TYPE TOP OF FOOTING ELEVATION	F4.5 −2'-0"	TOP OF STEEL ELEVATION OR JOIST BEARING (JBE)	T/STL EL. +20'-8" OR (+20'-0")
COLUMN TYPE	C3	BOTTOM OF DECK ELEVATION	B/DECK EL. +22'-8"

SHEET INDEX			
SHEET NUMBER	SHEET TITLE	10-01-20 BID SET	
S-1.0	STRUCTURAL NOTES	✓	
S-2.0	SECOND FLOOR FRAMING PLAN AND DETAILS	✓	
S-2.1	ROOF FRAMING PLAN	✓	
S-3.0	SECTIONS AND DETAILS	✓	
S-3.1	SECTIONS AND DETAILS	✓	

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GEORGIA REGISTERED No. 25604 PROFESSIONAL ENGINEER MICHAEL J. CIANNAVOLA
10/16/20

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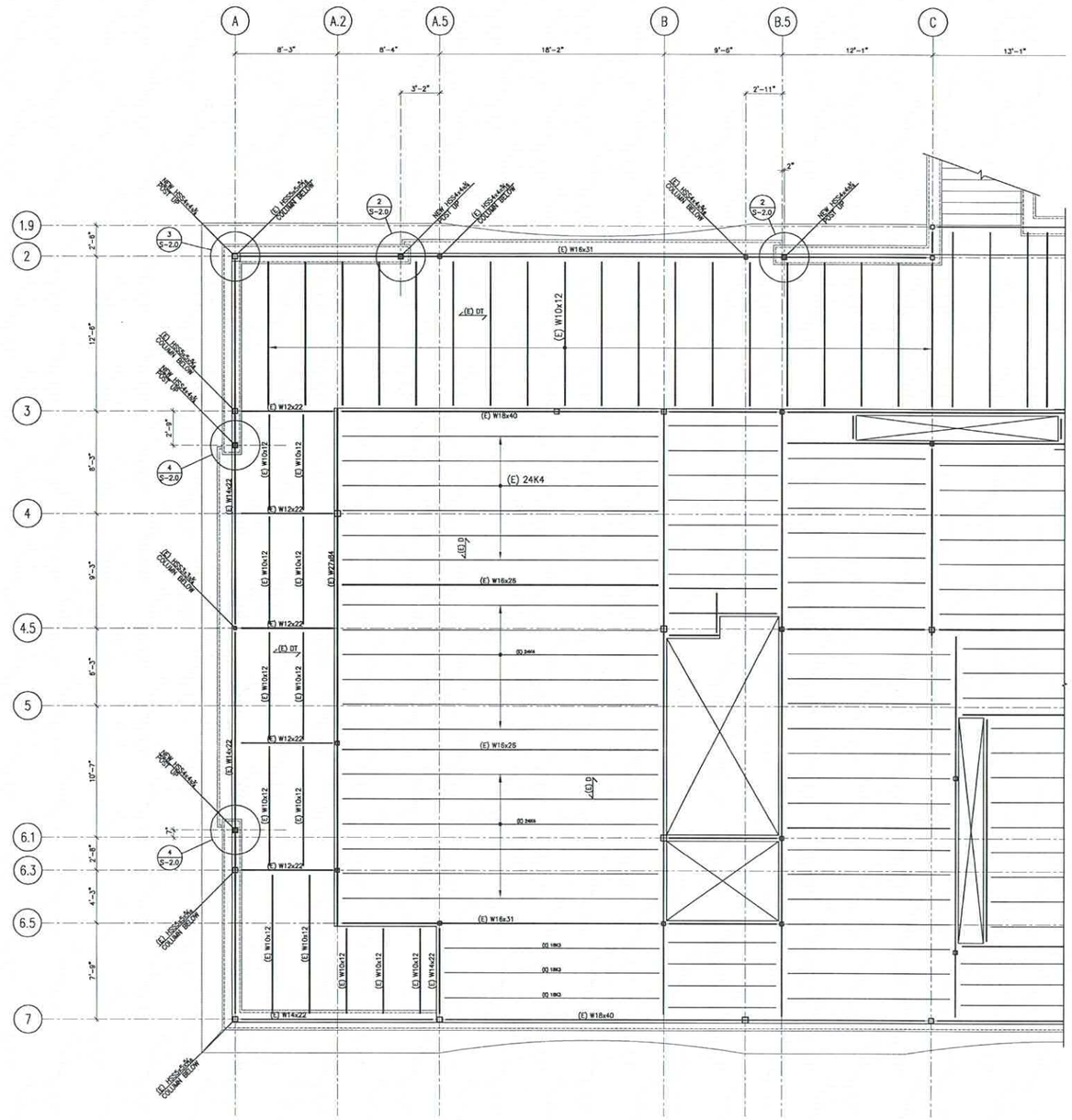
PROJECT NO.
16107

SHEET TITLE
Structural Notes

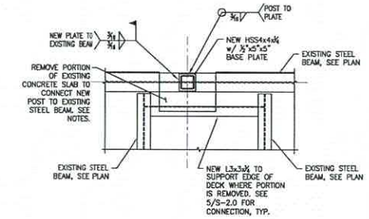
SHEET NO.
S-1.0



1 S-2.0 PARTIAL SECOND FLOOR FRAMING PLAN
SCALE: 3/32"=1'-0"

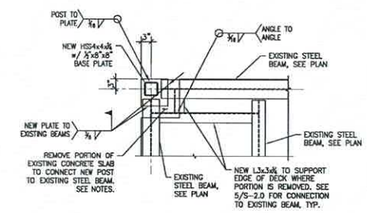
PARTIAL SECOND FLOOR FRAMING PLAN NOTES:

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND VERIFY EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
2. SEE ARCHITECTURE FOR TOP OF FINISHED FLOOR ELEVATIONS.
3. (E) INDICATES EXISTING STRUCTURAL MEMBER, CONFIRM IN FIELD.
4. (E) D INDICATES EXISTING 4" THICK CONCRETE SLAB ON STEEL DECK.
5. (E) DT INDICATES EXISTING 4" THICK CONCRETE SLAB ON STEEL DECK WITH CONCRETE TOPPING SLAB ON TOP. TOPPING SLAB IS SLOPED TO THE EXTERIOR.



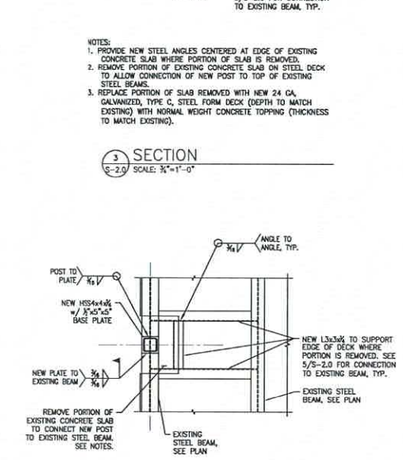
NOTES:
1. PROVIDE NEW STEEL ANGLE CENTERED AT EDGE OF EXISTING CONCRETE SLAB WHERE PORTION OF SLAB IS REMOVED.
2. REMOVE PORTION OF EXISTING CONCRETE SLAB ON STEEL DECK TO ALLOW CONNECTION OF NEW POST TO TOP OF EXISTING STEEL BEAM.
3. REPLACE PORTION OF SLAB REMOVED WITH NEW 24 GA. GALVANIZED, TYPE C, STEEL FORM DECK (DEPTH TO MATCH EXISTING) WITH NORMAL WEIGHT CONCRETE TOPPING (THICKNESS TO MATCH EXISTING).

2 S-2.0 SECTION
SCALE: 3/4"=1'-0"



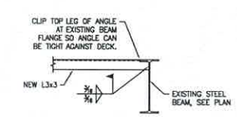
NOTES:
1. PROVIDE NEW STEEL ANGLES CENTERED AT EDGE OF EXISTING CONCRETE SLAB WHERE PORTION OF SLAB IS REMOVED.
2. REMOVE PORTION OF EXISTING CONCRETE SLAB ON STEEL DECK TO ALLOW CONNECTION OF NEW POST TO TOP OF EXISTING STEEL BEAMS.
3. REPLACE PORTION OF SLAB REMOVED WITH NEW 24 GA. GALVANIZED, TYPE C, STEEL FORM DECK (DEPTH TO MATCH EXISTING) WITH NORMAL WEIGHT CONCRETE TOPPING (THICKNESS TO MATCH EXISTING).

3 S-2.0 SECTION
SCALE: 3/4"=1'-0"



NOTES:
1. PROVIDE NEW STEEL ANGLES CENTERED AT EDGE OF EXISTING CONCRETE SLAB WHERE PORTION OF SLAB IS REMOVED.
2. REMOVE PORTION OF EXISTING CONCRETE SLAB ON STEEL DECK TO ALLOW CONNECTION OF NEW POST TO TOP OF EXISTING STEEL BEAM.
3. REPLACE PORTION OF SLAB REMOVED WITH NEW 24 GA. GALVANIZED, TYPE C, STEEL FORM DECK (DEPTH TO MATCH EXISTING) WITH NORMAL WEIGHT CONCRETE TOPPING (THICKNESS TO MATCH EXISTING).

4 S-2.0 SECTION
SCALE: 3/4"=1'-0"



5 S-2.0 SECTION
SCALE: 3/4"=1'-0"

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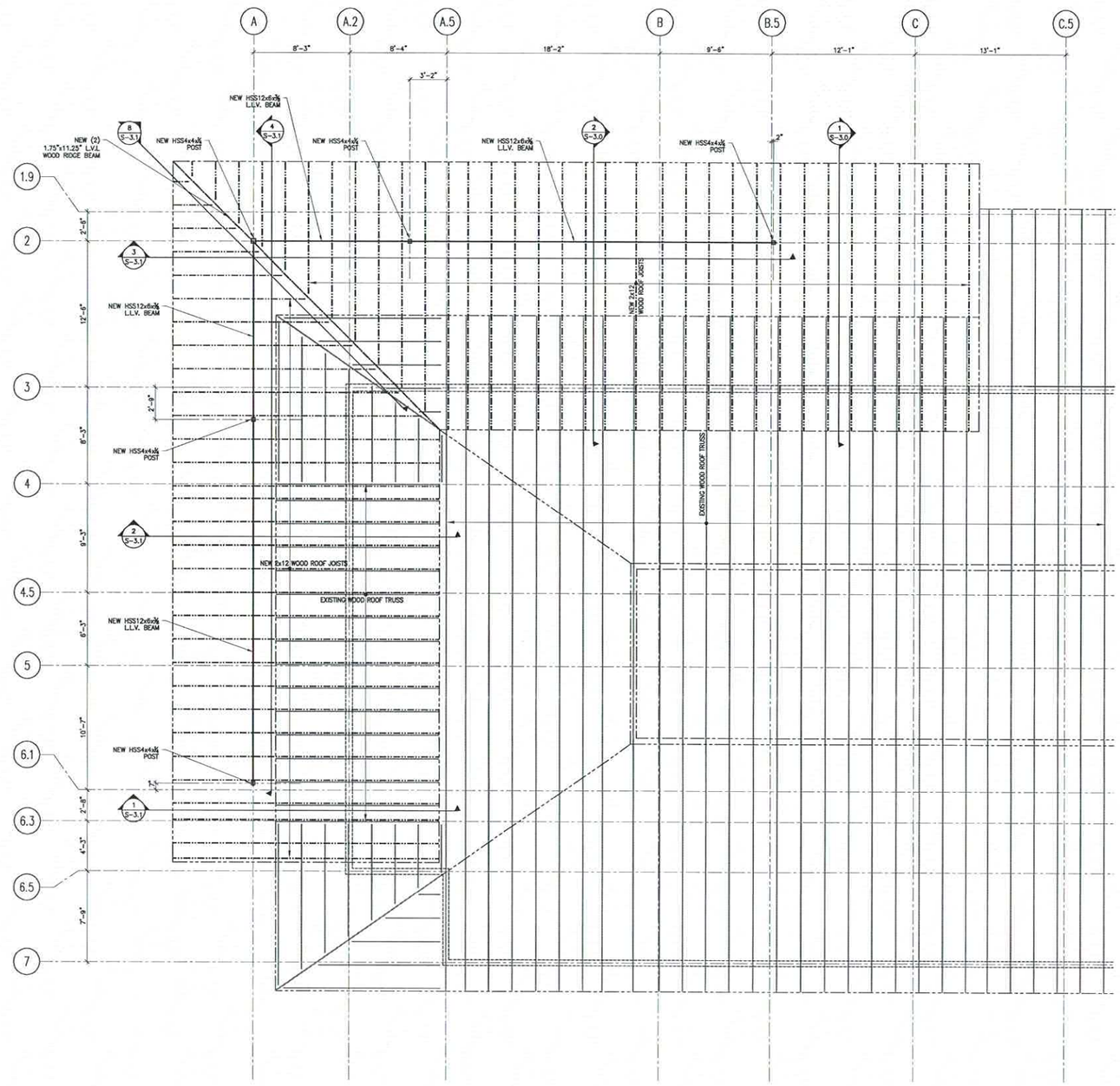
PROJECT NO.
16107

SHEET TITLE
Second Floor Framing Part Plan and Details

SHEET NO.
S-2.0



1 / S-2 PARTIAL ROOF FRAMING PLAN
SCALE: ¼"=1'-0"

PARTIAL ROOF FRAMING PLAN NOTES:

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND VERIFY EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
2. SEE ARCHITECTURE FOR TOP OF FINISHED ROOF ELEVATIONS, ROOF SLOPES AND ROOF DRAIN LOCATIONS.
3. COORDINATE SIZE AND LOCATION OF ALL OPENINGS IN ROOF WITH ARCH, MECH, AND PLUMBING DRAWINGS.
4. SEE SECTIONS FOR NEW WOOD ROOF JOIST ELEVATIONS.
5. SEE SECTIONS FOR TOP OF STEEL ELEVATIONS.

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10/15/20

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PROJECT NO.
16107

SHEET TITLE
Roof Framing Part Plan

SHEET NO.
S-2.1

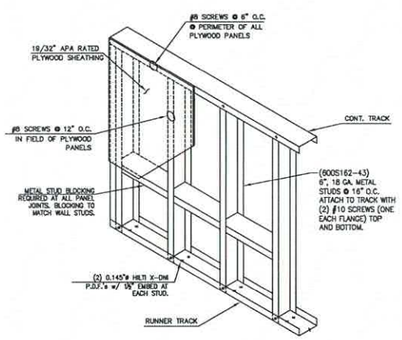
CONNECTION	FASTENING [a, m]	LOCATION
1. JOIST TO SILL OR GIRDER	3 – 8d COMMON (3¼"x0.131") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOIST	2 – 8d COMMON (3¼"x0.131") 2 – 3" x 0.131" NAILS 2 – 3" 14 GAGE STAPLES	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2 – 8d COMMON (2½"x0.131")	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	3 – 8d COMMON (2½"x0.131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 – 16d COMMON (3½"x0.162")	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3½"x0.135") @ 16" O.C. 3" x 0.131" NAILS @ 8" O.C. 3" 14 GAGE STAPLES @ 12" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANEL	3" – 16d (3½"x0.135") @ 16" 4 – 3" x 0.131" NAILS @ 16" 4 – 3" 14 GAGE STAPLES @ 16"	BRACED WALL PANELS
7. TOP PLATE TO STUD	2 – 16d COMMON (3½"x0.162") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	END NAIL
8. STUD TO SOLE PLATE	4 – 8d COMMON (2½"x0.131") 4 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	TOENAIL
	2 – 16d COMMON (3½"x0.162") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	END NAIL
9. DOUBLE STUDS	16d (3½"x0.135") @ 24" O.C. 3" x 0.131" NAILS @ 8" O.C. 3" 14 GAGE STAPLES @ 8" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3½"x0.135") @ 16" O.C. 3" x 0.131" NAILS @ 12" O.C. 3" 14 GAGE STAPLES @ 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 – 16d COMMON (3½"x0.162") 12 – 3" x 0.131" NAILS 12 – 3" 14 GAGE STAPLES	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 – 8d COMMON (2½"x0.131") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2½"x0.131") @ 16" O.C. 3" x 0.131" NAIL @ 8" O.C. 3" 14 GAGE STAPLE @ 8" O.C.	TOENAIL
13. TOP PLATES, LAPS, & INTERSECTIONS	2 – 16d COMMON (3½"x0.162") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	FACE NAIL

CONNECTION	FASTENING [a, m]	LOCATION
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3½"x0.162")	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	3 – 8d COMMON (2½"x0.131") 5 – 3" x 0.131" NAILS 5 – 3" 14 GAGE STAPLES	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 – 8d COMMON (2½"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECT. 2308.10.4.1., TABLE 2308.10.4.1)	3 – 16d COMMON (3½"x0.162") MIN. TABLE 2308.10.4.1 4 – 3" x 0.131" NAILS 4 – 3" 14 GAGE STAPLES	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1., TABLE 2308.10.4.1)	3 – 16d COMMON (3½"x0.162") MIN. TABLE 2308.10.4.1 4 – 3" x 0.131" NAILS 4 – 3" 14 GAGE STAPLES	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1., TABLE 2308.10.1)	3 – 8d COMMON (2½"x0.131") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	TOENAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 – 8d COMMON (2½"x0.131") 2 – 3" x 0.131" NAILS 2 – 3" 14 GAGE STAPLES	FACE NAIL
21. 1"x6" SHEATHING TO EACH BEARING WALL	3 – 8d COMMON (2½"x0.131")	FACE NAIL
22. WIDER THAN 1"x6" SHEATHING TO EACH BEARING	3 – 8d COMMON (2½"x0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3½"x0.162") 3" x 0.131" NAILS 3" 14 GAGE STAPLES	24" O.C. 16" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4"x0.192") 32" O.C. 3" x 0.131" NAIL @ 24" O.C. 3" 14 GAGE STAPLE @ 24" O.C.	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 – 20d COMMON (4"x0.192") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3½"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 – 10d COMMON (3"x0.148") 4 – 3" x 0.131" NAILS 4 – 3" 14 GAGE STAPLES	FACE NAIL
27. JACK RAFTER TO HIP	3 – 10d COMMON (3"x0.148") 4 – 3" x 0.131" NAILS 4 – 3" 14 GAGE STAPLES	TOENAIL
	2 – 16d COMMON (3½"x0.162") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	FACE NAIL

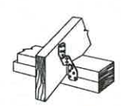
CONNECTION	FASTENING [a, m]	LOCATION
28. ROOF RAFTER TO 2x RIDGE BEAM	3 – 16d COMMON (3½"x0.162") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	TOENAIL
	3 – 16d COMMON (3½"x0.162") 3 – 3" x 0.131" NAILS 3 – 3" 14 GAGE STAPLES	FACE NAIL
29. JOIST TO BAND JOIST	3 – 16d COMMON (3½"x0.162") 4 – 3" x 0.131" NAILS 4 – 3" 14 GAGE STAPLES	FACE NAIL
30. LEDGER STRIP	3 – 16d COMMON (3½"x0.162") 4 – 3" x 0.131" NAILS 4 – 3" 14 GAGE STAPLES	FACE NAIL
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD[g] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	½" AND LESS	6d[j] 2⅜"x0.113" NAIL[e] 1⅞" 18 GAGE[f]
	⅝" TO ¾"	8d[j] OR 8d[e] 2⅜"x0.113" NAIL[e] 2" 16 GAGE[f]
	⅞" TO 1"	8d[j]
	1⅛" TO 1¼"	10d[j] OR 8d[e]
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING):	¾" AND LESS	8d[j]
	⅞" TO 1"	8d[j]
	1⅛" TO 1¼"	10d[j] OR 8d[e]
32. PANEL SIDING (TO FRAMING)	½" OR LESS	6d[j]
	⅝"	8d[j]
33. FIBERBOARD SHEATHING[g]	½"	NO. 11 GAGE ROOFING NAIL[h] 8d COMMON NAIL (2"x0.113") NO. 16 GAGE STAPLE[f]
	25/32"	NO. 11 GAGE ROOFING NAIL[h] 8d COMMON NAIL (2½"x0.131") NO. 16 GAGE STAPLE[f]
34. INTERIOR PANELING	¼"	4d[j]
	3/8"	6d[k]

a. Common or box nails are permitted to be used except where otherwise stated.
b. Nails spaced at 6" on center at edges, 12" at intermediate supports except 6" at supports where spans are 48" or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.
c. Common or deformed shank (8d – 2"x0.113"; 8d – 2½"x0.131"; 10d – 3"x0.148").
d. Common (6d – 2"x0.113"; 8d – 2½"x0.131"; 10d – 3"x0.148").
e. Deformed shank (8d – 2"x0.113"; 8d – 2½"x0.131"; 10d – 3"x0.148").
f. Corrosion-resistant siding (8d – 1¾"x0.105"; 8d – 2⅛"x0.120") or casing (8d – 2"x0.099"; 8d – 2½"x0.113") nail.
g. Fasteners spaced 3" on center at exterior edges and 6" on center at intermediate supports, when used as structural wall bracing. Bracing shall be 6" on center on the edges and 12" on center at intermediate supports for constructions in Seismic Zone 0.
h. Corrosion-resistant roofing nails with ⅜" diameter head and 1¾" length for ½" sheathing and 1¾" length for 25/32" sheathing.
i. Corrosion-resistant staples with nominal ⅜" crown and 1¾" length for ½" sheathing and 1¾" length for 25/32" sheathing. Panel supports at 16" (20" if strength axis in the long direction of the panel, unless noted otherwise.
j. Casing (1¾"x0.080") or finish (1¾"x0.072") nails spaced 6" on panel edges, 12" at intermediate supports.
k. Panel supports at 24". Casing or finish nails spaced 6" on panel edges, 12" at intermediate supports.
l. For roof sheathing applications, 8d nails (2½"x0.113") are the minimum required for wood structural panels.
m. Staples shall have a minimum crown width of ⅜".
n. For roof sheathing applications, fasteners spaced 4" on center at edges, 8" at intermediate supports.
o. Fasteners spaced 4" on center at edges, 8" at intermediate supports for sub-floor and wall sheathing and 3" on center at edges, 6" at intermediate supports for roof sheathing.
p. Fasteners spaced 4" on center at edges, 8" at intermediate supports.

FASTENING SCHEDULE

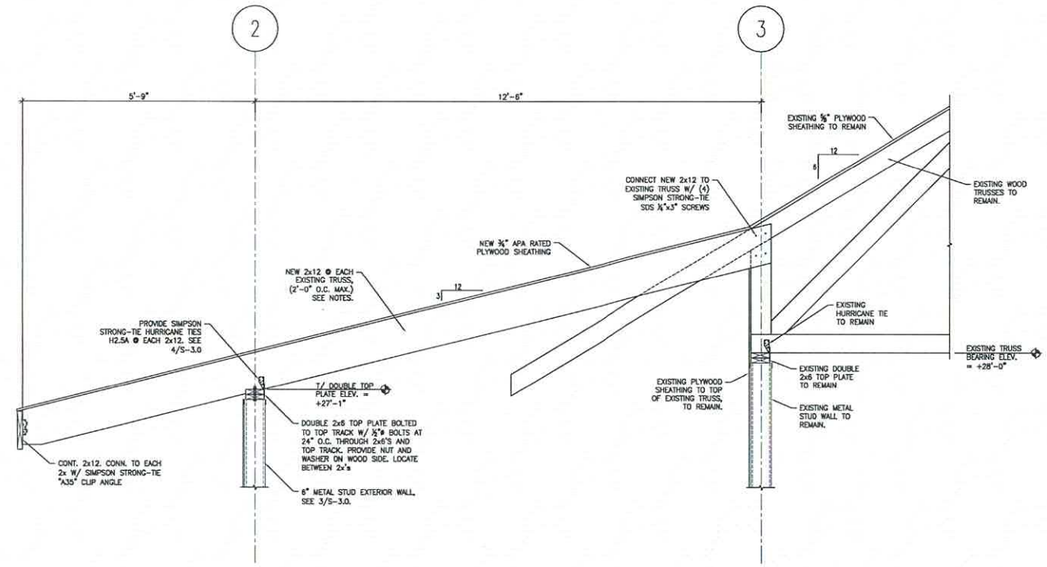


3 S-3.0 SCHEMATIC EXTERIOR WALL ELEVATION
NOT TO SCALE



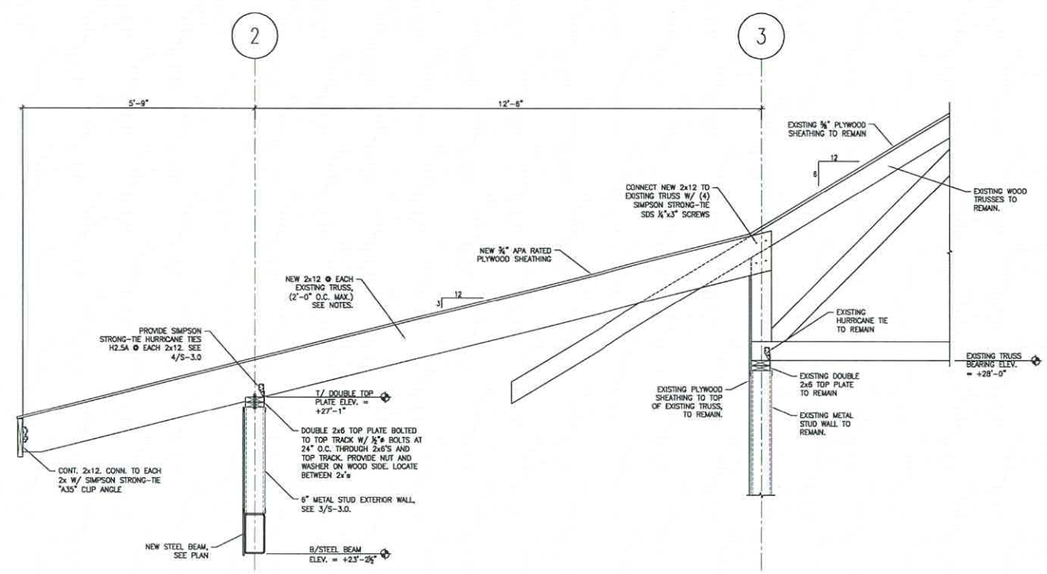
SIMPSON STRONG-TIE H2.5A INSTALLATION

4 S-3.0 WOOD TRUSS HURRICANE TIE DETAILS
NOT TO SCALE



1 S-3.0 ROOF FRAMING DETAIL
SCALE: ¾"=1'-0"

NOTES:
1. PROVIDE A NEW 2x12 WOOD ROOF JOIST AT EACH EXISTING TRUSS (2'-0" O.C. MAX.). PROVIDE NEW DOUBLE 2x12 WOOD ROOF JOISTS AT EXISTING TRUSSES SPACED FARTHER THAN 2'-0" O.C.



2 S-3.0 ROOF FRAMING DETAIL
SCALE: ¾"=1'-0"

NOTES:
1. PROVIDE A NEW 2x12 WOOD ROOF JOIST AT EACH EXISTING TRUSS (2'-0" O.C. MAX.). PROVIDE NEW DOUBLE 2x12 WOOD ROOF JOISTS AT EXISTING TRUSSES SPACED FARTHER THAN 2'-0" O.C.

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MICHAEL J. GIANNAVOLA
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PROJECT NO.
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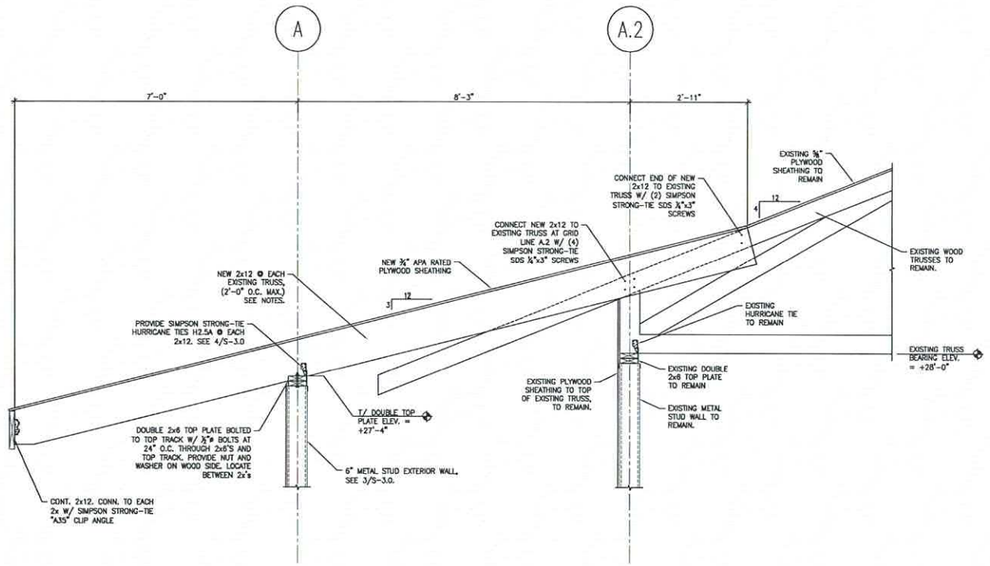
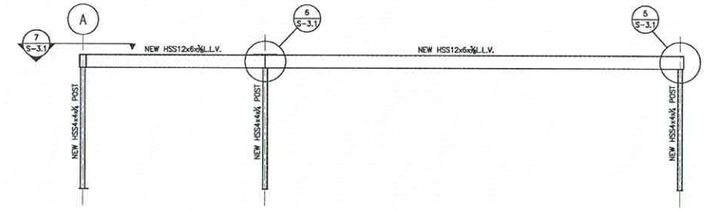
SHEET TITLE
Section and Details

SHEET NO.
S-3.0

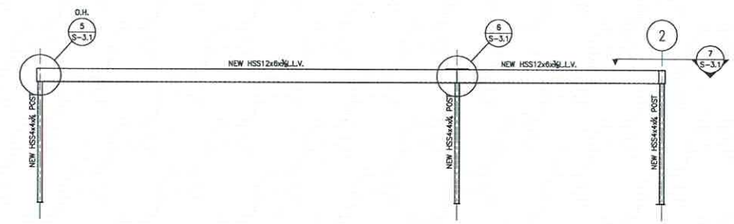


1 S-3.1 ROOF FRAMING DETAIL
SCALE: ¾"=1'-0"

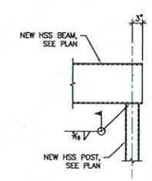
NOTES:
1. PROVIDE A NEW 2x12 WOOD ROOF JOIST AT EACH EXISTING TRUSS (2'-0" O.C. MAX.). PROVIDE NEW DOUBLE 2x12 WOOD ROOF JOISTS AT EXISTING TRUSSES SPACED FARTHER THAN 2'-0" O.C.



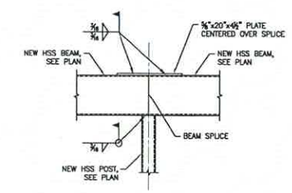
3 S-3.1 NEW STEEL FRAME ALONG GRID LINE 2
SCALE: ¾"=1'-0"



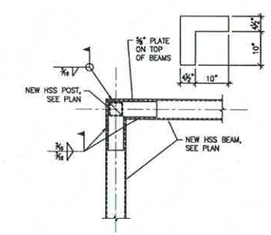
4 S-3.1 NEW STEEL FRAME ALONG GRID LINE 1
SCALE: ¾"=1'-0"



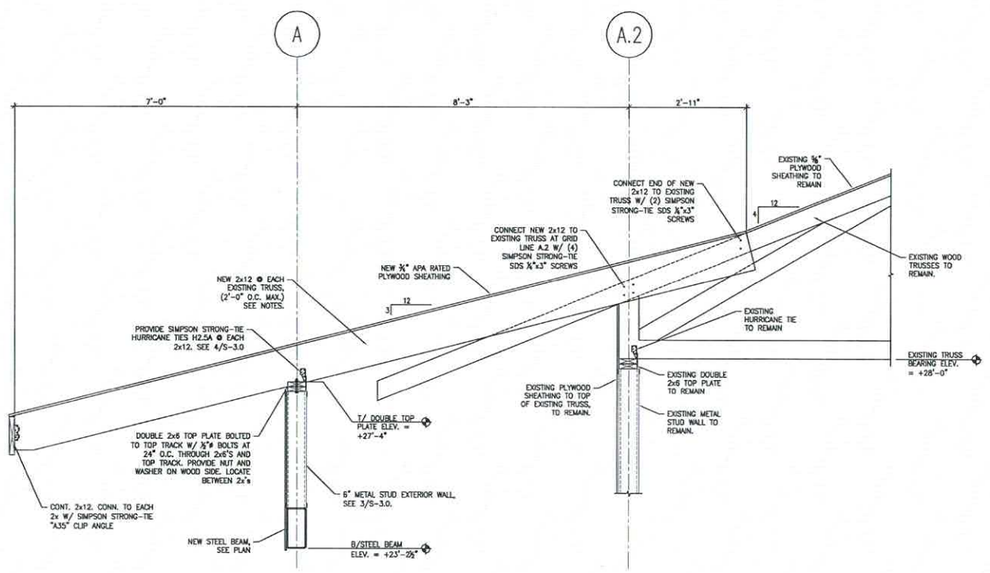
5 S-3.1 SECTION
SCALE: ¾"=1'-0"



6 S-3.1 SECTION
SCALE: ¾"=1'-0"

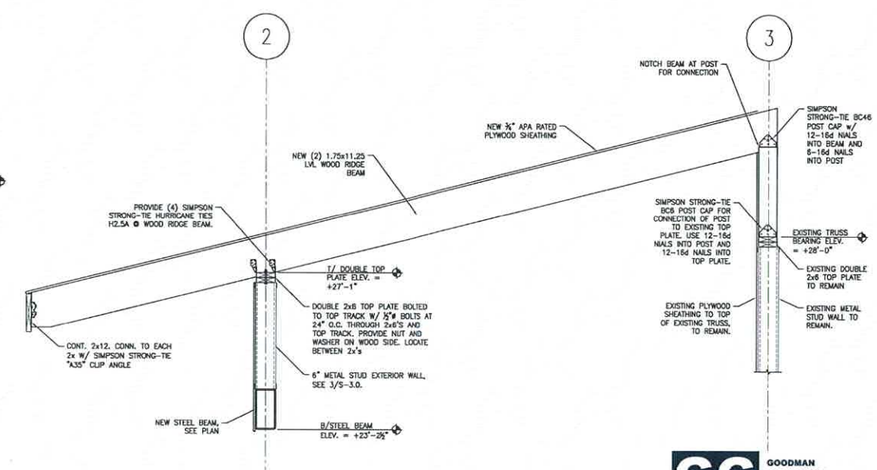


7 S-3.1 SECTION
SCALE: ¾"=1'-0"



2 S-3.1 ROOF FRAMING DETAIL
SCALE: ¾"=1'-0"

NOTES:
1. PROVIDE A NEW 2x12 WOOD ROOF JOIST AT EACH EXISTING TRUSS (2'-0" O.C. MAX.). PROVIDE NEW DOUBLE 2x12 WOOD ROOF JOISTS AT EXISTING TRUSSES SPACED FARTHER THAN 2'-0" O.C.



8 S-3.1 ROOF FRAMING DETAIL
N.T.S.

18RS11

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GEORGIA REGISTERED No. 20604 PROFESSIONAL ARCHITECT MICHAEL V. GIANNAVOLA
10/10/20

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RELEASED FOR CONSTRUCTION

10/01/20 BID SET	REV1810168

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PROJECT NO.
16107

SHEET TITLE
Section and Details

SHEET NO.
S-3.1

SPECIFICATIONS

DIFFUSERS, GRILLES, & REGISTERS:

EGGCRATE GRILLE:

RETURN GRILLES SHALL BE TITUS MODEL 50F FOR THE SIZES AND MOUNTING TYPES AS SHOWN ON THE PLANS AND OUTLET SCHEDULE. RETURN GRILLES MUST PROVIDE A FREE AREA OF AT LEAST 80%. OUTER BORDERS SHALL BE CONSTRUCTED OF HEAVY EXTRUDED ALUMINUM WITH A THICKNESS OF 0.040 0.050 INCH AND SHALL HAVE COUNTERSUNK SCREW HOLES FOR A NEAT APPEARANCE. BORDER WIDTH SHALL BE 1¼ INCHES ON ALL SIDES AND SHALL BE INTERLOCKED AT THE FOUR CORNERS AND MECHANICALLY STAKED TO FORM A RIGID FRAME. CHOICE OF THREE SIZES OF ALUMINUM GRID: ½ X ½ X ½ INCH, ½ X ½ X 1 INCH, OR 1 X 1 X 1 INCH SHALL BE AVAILABLE.

OPTIONAL OPPOSED-BLADE VOLUME DAMPER SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL OR ALUMINUM. DAMPER MUST BE OPERABLE FROM THE FACE OF THE GRILLE.

PLAQUE DIFFUSERS:

ARCHITECTURAL SQUARE PANEL CEILING DIFFUSERS SHALL BE OF THE SIZES AND MOUNTING TYPES SHOWN ON THE PLANS AND OUTLET SCHEDULE. THE FACE PANEL IS REMOVABLE BY MEANS OF FOUR HANGER BRACKETS. THE EXPOSED SURFACE OF THE FACE PANEL SHALL BE SMOOTH, FLAT, AND FREE OF VISIBLE FASTENERS.
THE BACK OF THE FACE PANEL SHALL HAVE AN AERODYNAMICALLY SHAPED, ROLLED EDGE TO ENSURE A TIGHT HORIZONTAL DISCHARGE PATTERN. CEILING DIFFUSERS WITH A 24 X 24-INCH FULL FACE SHALL HAVE NO LESS THAN AN 18 X 18 INCH FACE PANEL SIZE. CEILING DIFFUSERS WITH A 12 X 12-INCH FULL FACE SHALL HAVE NO LESS THAN A 9 X 9 INCH FACE PANEL SIZE.

THE BACKPAN SHALL BE ONE PIECE PRELOCKED DE-STAMPED AND SHALL INCLUDE AN INTEGRALLY DRAWN INLET. THE DIFFUSER NECK SHALL HAVE A MINIMUM OF 1¼ INCH DEPTH AVAILABLE FOR DUCT CONNECTION.

THE FINISH SHALL BE #26 WHITE. THE FINISH SHALL BE AN ANODIC ACRYLIC PAINT, BASED ON 3 LSTF FOR 30 MINUTES. THE PENCIL HARDNESS MUST BE HB TO H.

THE PAINT MUST PASS A 1,000-HOUR ASTM B117 CORROSIVE ENVIRONMENTS SALT SPRAY TEST WITHOUT CREEPAGE, BLISTERING OR DETERIORATION OF FILM. THE PAINT MUST PASS A 250 HOUR ASTM D870 WATER IMMERSION TEST. THE PAINT MUST ALSO PASS THE ASTM D2794 REVERSE IMPACT CRACKING TEST WITH A 50-INCH POUND FORCE APPLIED.

OPTIONAL ROUND DAMPER SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL. DAMPER MUST BE OPERABLE FROM THE FACE OF THE DIFFUSER. OPTIONAL DIRECTIONAL FLOW CUFFS SHALL BE AVAILABLE TO RESTRICT THE DISCHARGE AIR IN CERTAIN DIRECTIONS.

OPTIONAL MOLDED INSULATION BLANKET SHALL BE AVAILABLE. THE INSULATION WILL BE R-6, FOIL-BACKED, AND PROVIDE AN ADDITIONAL 1-INCH GAP AROUND THE NECK TO INSTALL INSULATED FLEX DUCT.

THE MANUFACTURER SHALL PROVIDE PUBLISHED PERFORMANCE DATA FOR THE SQUARE PANEL DIFFUSER. THE DIFFUSER SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70-1991.

GRAVITY HOOD:

THE HOOD SHALL BE CONSTRUCTED OF ALUMINUM. THE INTERNAL STRUCTURE SHALL BE GALVANIZED STEEL.

THE CURB CAP SHALL BE NON-HINGED. THE HOUSING SHALL BE CONSTRUCTED OF ALUMINUM AND IN THE WINDBAND AND CURB CAP. THE WINDBAND SHALL BE ONE PIECE INPUN ALUMINUM CONSTRUCTION AND SHALL MAINTAIN THE ORIGINAL MATERIAL THICKNESS THROUGHOUT THE HOUSING. THE WINDBAND SHALL INCLUDE AN INTEGRAL ROLLED BEAD. THE CURB CAP SHALL INCLUDE PREFUNCHED MOUNTING HOLES TO ENSURE CORRECT ATTACHMENT TO THE HOOF.

REFER TO THE EQUIPMENT SCHEDULE FOR A FULL LISTING OF REQUIRED HOOD ACCESSORIES.

HEAT PUMP:

EQUIPMENT
— FACTORY ASSEMBLED, SINGLE PIECE, AIR-COOLED HEAT PUMP UNIT. CONTAINED WITHIN THE UNIT ENCLOSURE IS ALL FACTORY WIRING, PIPING, CONTROLS, COMPRESSOR, REFRIGERANT CHARGE OF R-410A, AND SPECIAL FEATURES REQUIRED PRIOR TO FIELD START-UP.

UNIT CABINET
— UNIT CABINET WILL BE CONSTRUCTED OF GALVANIZED STEEL, BONDERIZED, AND COATED WITH A POWDER COAT PAINT.

FANS
— CONDENSER FAN WILL BE DIRECT-DRIVE PROPELLER TYPE, DISCHARGING AIR UPWARD.
— CONDENSER FAN MOTORS WILL BE TOTALLY ENCLOSED, 1 PHASE TYPE WITH CLASS B INSULATION AND PERMANENTLY LUBRICATED BEARINGS.
— SHAFTS WILL BE CORROSION RESISTANT.
— FAN BLADES WILL BE STATICALLY AND DYNAMICALLY BALANCED.
— CONDENSER FAN OPENINGS WILL BE EQUIPPED WITH STEEL WIRE SAFETY GUARDS.

COMPRESSOR
— COMPRESSOR WILL BE HERMETICALLY SEALED.
— COMPRESSOR WILL BE MOUNTED ON RUBBER VIBRATION ISOLATORS.
CONDENSER COIL
— CONDENSER COIL WILL BE AIR COOLED.
— COIL WILL BE CONSTRUCTED OF ALUMINUM FINS MECHANICALLY BONDED TO COPPER TUBES WHICH ARE THEN CLEANED, DEHYDRATED, AND SEALED.

REFRIGERATION COMPONENTS
— REFRIGERATION CIRCUIT COMPONENTS WILL INCLUDE LIQUID LINE SHUTOFF VALVE WITH SWEAT CONNECTIONS, VAPOR-LINE SHUTOFF VALVE WITH SWEAT CONNECTIONS, SYSTEM CHARGE OF R-410A REFRIGERANT, POE COMPRESSOR OIL, ACCUMULATOR, AND REVERSING VALVE.

SEE SCHEDULE FOR LIST OF ACCEPTABLE MANUFACTURERS.

FAN COIL UNIT:

GENERAL: EXCEPT AS OTHERWISE INDICATED, PROVIDE FAN COIL UNIT MANUFACTURER'S STANDARD MATERIALS AND COMPONENTS AS INDICATED BY PUBLISHED PRODUCT INFORMATION, DESIGNED AND CONSTRUCTED AS RECOMMENDED BY MANUFACTURER, AND AS REQUIRED FOR A COMPLETE INSTALLATION.

COOLING COILS: EXCEPT AS OTHERWISE INDICATED, PROVIDE MANUFACTURER'S STANDARD COIL OF INDICATED TYPE AND RATED FOR INDICATED CAPACITY. COPPER FIN COILS, MECHANICALLY EXPANDED INTO ALUMINUM PLATE FINS; RATED AT 250 PSIG AND LEAK TESTED AT 350 PSIG MIN. AIR PRESSURE. PROVIDE MANUAL AIR VENTS.

ELECTRIC HEATING COILS SHALL BE AN OPEN GRID TYPE WITH FACTORY INSTALLED HIGH LIMIT CONTROL. HEATER SHALL BE FULLY ACCEPTABLE THROUGH THE DISCHARGE GRILLE OPENINGS.

THE FAN SHALL BE A CENTRIFUGAL FORWARD CURVED, DOUBLE WIDTH, DOUBLE INLET, DIRECT DRIVE TYPE. BALANCED STATICALLY AND DYNAMICALLY, AND OF INDICATED CAPACITY.

MOTORS SHALL BE OF INDICATED CAPACITY, 3 SPEED, PERMANENT SPLIT CAPACITOR, INSTALLED FOR EASY REMOVAL. PROVIDE MOTORS WITH AUTOMATIC-RESET AND INTEGRAL THERMAL OVERLOAD PROTECTION. MOTORS SHALL BE CAPABLE OF OPERATING AT TEMPERATURES INDICATED ON DRAWINGS WITHOUT OVERLOADING. MOTOR SHALL BE CAPABLE OF FIELD DRIVES AS REQUIRED.

CABINETS: CABINETS SHALL BE FABRICATED OF 16 GAUGE STEEL AND HAVE BAKED ENAMEL FINISH. ALL SURFACES IN CONTACT WITH AIR STREAM SHALL BE INSULATED WITH HALF INCH THICK, 1 1/2 POUND DENSITY, MATT FACED, GLASS FIBER INSULATION.

THE FILTER SHALL BE ONE INCH THICK, THERMAFAYE GLASS FIBER TYPE.

THE DRAIN PAN SHALL BE REMOVABLE AND HAVE DUFF EXTRUDED THREE (3) POUND DENSITY CELLULAR POLYSTYRENE PLASTIC UNDER THE DRAIN PAN SHALL EXTEND UNDER THE ENTIRE COIL SECTION.

THERMOSTAT SHALL BE 7-DAY PROGRAMMABLE TYPE

SEE SCHEDULE FOR LIST OF ACCEPTABLE MANUFACTURERS.

SPECIFICATIONS

APPLICABLE CODES:

INTERNATIONAL FIRE CODE (IFC), 2018 EDITION
2020 IFC GA AMENDMENTS
INTERNATIONAL PLUMBING CODE (IPC), 2018 EDITION
2020 IPC GA AMENDMENTS
INTERNATIONAL MECHANICAL CODE (IMC), 2018 EDITION
2020 IMC GA AMENDMENTS
INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION
2020 IFGC GA AMENDMENTS
INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2018 EDITION
2020 SUPPLEMENTS AND AMENDMENTS

EXISTING CONDITIONS:

CONTRACTOR SHALL VISIT THE SITE AND UNDERSTAND JOB CONDITIONS BEFORE SUBMITTING A PROPOSAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITY SERVICES PRIOR TO SUBMITTING HIS PROPOSAL. NO CONSIDERATION WILL BE GIVEN TO CLAIMS FOR EXTRA COST ARISING FROM CONTRACTOR'S FAILURE TO BE FULLY COGNIZANT OF JOB OR SITE CONDITIONS EXISTING AT TIME OF ACCEPTANCE OF BID.

ACTIVE SERVICES: WHEN ENCOUNTERED IN WORK, PROTECT, BRACE, SUPPORT EXISTING ACTIVE SEWERS, GAS AND OTHER SERVICES REQUIRED FOR PROPER EXECUTION OF WORK. IF EXISTING ACTIVE SERVICES ARE ENCOUNTERED THAT REQUIRE RELOCATION, RELOCATE AS APPROVED. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN.

INACTIVE SERVICES: WHEN ENCOUNTERED IN WORK, REMOVE, CAP OR PLUG INACTIVE SERVICES, AS INDICATED.

INTERRUPTION OF SERVICES: WHERE WORK MAKES TEMPORARY SHUT-DOWNS OF SERVICES UNAVOIDABLE, SHUT DOWN AT NIGHT, OR AT SUCH TIMES AS APPROVED BY OWNER, WHICH WILL CAUSE LEAST INTERFERENCE WITH ESTABLISHED OPERATING ROUTINE. ARRANGE WORK TO ASSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING TIME ACTUALLY REQUIRED TO MAKE NECESSARY CONNECTION TO EXISTING WORK.

WHERE EXISTING WALLS, CEILINGS, FLOORS, ETC., ARE CUT OR OTHERWISE DAMAGED DURING CONSTRUCTION, REPAIR ALL SURFACES TO THEIR ORIGINAL CONDITION.

SHOP DRAWINGS:

SUBMIT SHOP DRAWINGS FOR REVIEW. FOR FILES PREFERRED. SHOP DRAWINGS SHALL BE BOUND INTO VOLUMES (FILES), WITH EACH VOLUME (FILE) CONTAINING ONE COPY OF ALL SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL BE SUBMITTED SIMULTANEOUSLY; NO SHOP DRAWINGS WILL BE CHECKED UNTIL ALL HAVE BEEN SUBMITTED.

SUBMITTALS SHALL BE SUPPORTED BY DESCRIPTIVE MATERIAL, SUCH AS CATALOG CUTS, DIAGRAMS, PERFORMANCE CURVES AND CHARTS PUBLISHED BY THE MANUFACTURER, TO SHOW CONFORMANCE TO SPECIFICATION AND DRAWING REQUIREMENTS. MODEL NUMBERS ALONE WILL NOT BE ACCEPTABLE. ALL LITERATURE SHALL CLEARLY INDICATE THE SPECIFIED MODEL NUMBER, DIMENSIONS, ARRANGEMENT, RATING AND CHARACTERISTICS OF THE PROPOSED EQUIPMENT. CAPACITIES AND RATINGS SHALL BE BASED ON CONDITIONS INDICATED OR SPECIFIED HEREIN. ANY DEVIATIONS FROM SPECIFIED EQUIPMENT (PARTICULARLY THOSE WHICH REQUIRE COORDINATION WITH OTHER TRADES) SHALL BE CLEARLY NOTED IN A CONCISE LIST ON A SEPARATE SHEET.

TEST AND BALANCE:

THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT TEST AND BALANCE AGENCY THAT IS INDEPENDENT OF ANY CONTRACTOR, SUB-CONTRACTOR, OR MANUFACTURER TO PERFORM THE TESTING AND BALANCING AND PREPARE REPORTS TO THE GENERAL CONTRACTOR. THE INDEPENDENT TEST AND BALANCE AGENCY SHALL HAVE A CERTIFIED MEMBER OF THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).

TEST AND BALANCE SHALL ALSO PROVIDE QUOTE TO PERFORM BALANCING FOR COMPLETE SIX MONTHS AFTER THE SPACE IS OCCUPIED.

P-TAB.COM OR EQUIVALENT.

GUARANTEE:

GUARANTEE THAT EACH PIECE OF APPARATUS SHALL BE OF THE CUSTOMARY STANDARD AND QUALITY FURNISHED BY THE DESIGNED MANUFACTURER FOR THAT CATALOG NUMBER.

GUARANTEE THAT THE AIR SYSTEMS SHALL OPERATE WITHOUT AERODYNAMIC NOISE GENERATED FROM THE FAULTY INSTALLATION OF DUCT WORK OR ANY COMPONENT OF THE AIR DISTRIBUTION SYSTEM.

GUARANTEE THAT ALL SYSTEMS AND COMPONENTS SHALL BE PROVIDED WITH A ONE YEAR WARRANTY FROM THE TIME OF DATE OF SUBSTANTIAL COMPLETION. THE WARRANTY SHALL COVER ALL MATERIALS AND WORKMANSHIP. DURING THIS WARRANTY PERIOD, ALL DEFECTS IN MATERIALS AND WORKMANSHIP SHALL BE CORRECTED BY REPAIR OR REPLACEMENT WITHOUT INCURRING ADDITIONS TO THE CONTRACT.

GENERAL NOTES:

REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT.

ALL DUCT DIMENSIONS INDICATED IN THESE DOCUMENTS ARE INSIDE-CLEAR DIMENSIONS.

PORTIONS OF DUCTWORK OR PIPING VISIBLE THROUGH GRILLES AND REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK. PAINT BLACK BEHIND ALL GRILLES.

ALL WIRING IN THE CEILING PLENUM SHALL BE PLENUM RATED CABLE.

MOUNTING FRAME OF CEILING MOUNTED AIR DISTRIBUTION DEVICES SHALL BE COMPATIBLE WITH CEILING TYPE. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE.

ALL FIRE SEPARATIONS MUST BE PROTECTED WHEN APPLICABLE.

PROVIDE NEW FILTERS (MERV 7 OR BETTER PER OWNER) FOR ALL APPLICABLE HVAC EQUIPMENT AT THE END OF CONSTRUCTION.

ALL MATERIAL IN PLENUM MUST MEET FIRE AND SMOKE SPREAD AS REQUIRED BY NFPA 90A.

ALL ROOF PENETRATIONS TO BE 12" APART AND AT LEAST 12" AWAY FROM CURBS, WALLS, AND DRAIN SUMPS. TO PROVIDE ROOFING CONTRACTOR WITH SUFFICIENT ACCESS FOR FLASHING EACH ROOF PENETRATION.

SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ARCHITECT PRIOR TO BID SUBMISSION.

CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND SHALL BE FAMILIAR WITH THE SCOPE AND REQUIREMENTS OF THIS PROJECT. ANY DISCREPANCIES OR LACK OF CLARITY IN THE DOCUMENTS SHALL BE IDENTIFIED TO THE ARCHITECT OR OWNER PRIOR TO THE SUBMISSION OF PRICING BIDS. WITH A SUBMITTED BID, CONTRACTOR IS ACCEPTING THESE DOCUMENTS AS SUFFICIENT DEFINITION OF THE SCOPE OF WORK, AND ANY ADDITIONAL COSTS BASED ON UNCLARITY OF CONTRACT DOCUMENTS WILL NOT BE CONSIDERED.

THE CONTRACTOR SHALL REFERENCE THE FULL SET OF CONSTRUCTION DOCUMENTS DURING PRICING AND CONSTRUCTION FOR COORDINATION BETWEEN DISCIPLINES RELATIVE TO THE MECHANICAL SCOPE.

DUCTWORK AND ACCESSORIES:

INDUSTRY STANDARDS: COMPLY WITH SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION) HVAC DUCT CONSTRUCTION STANDARDS, RECOMMENDATIONS FOR FABRICATION, GAUGES, CONSTRUCTION AND DETAILS, AND INSTALLATION PROCEDURES, EXCEPT AS OTHERWISE INDICATED.

COMPLY WITH ASHRAE (AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS) FUNDAMENTALS HANDBOOK RECOMMENDATIONS, EXCEPT AS OTHERWISE INDICATED.

DUCTWORK METAL AND GAUGES: EXCEPT AS OTHERWISE INDICATED, FABRICATE DUCTWORK FROM GALVANIZED SHEET STEEL COMPLYING WITH ASTM A527, LOCKFORMING QUALITY, WITH ASTM A525 G90 ZINC COATING. MILL PHOSPHATIZED. GAUGES TO COMPLY WITH SMACNA STANDARDS.

DUCT SEALANT: NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT (THIS APPLICABLE FOR THE FABRICATION/INSTALLATION DETAILS AS COMPOUNDED AND RECOMMENDED BY THE MANUFACTURER SPECIFICALLY FOR SEALING JOINTS AND SEAMS IN DUCTWORK.

DUCTWORK SUPPORT MATERIALS: EXCEPT AS OTHERWISE INDICATED, PROVIDE UPPER ATTACHMENT, HANGERS OF GALVANIZED STEEL STRAPS, OR STEEL RODS AND LOWER ATTACHMENT FOR SUPPORT OF DUCTWORK. HANGERS/SUPPORT SYSTEMS SHALL BE IN ACCORDANCE WITH SMACNA REQUIREMENTS.

EXPOSED DUCTWORK SHALL BE DOUBLE-WALL SPIRAL PIPE WITH PAINT GRIP UNLESS OTHERWISE NOTED OR SUBSTITUTION APPROVED BY OWNER.

VOLUNTARY ALTERNATE EXPOSED DUCTWORK SHALL BE SINGLE WALL SPIRAL PIPE UNLESS OTHERWISE NOTED OR SUBSTITUTION APPROVED BY OWNER. ALL EXPOSED DUCTWORK SHALL BE FURNISHED WITH ONE LAYER OF WRAPPER. DUCT HAVE THERMAL RESISTANCE THAT MEET THE MINIMUM VALUES SPECIFIED IN PARAGRAPH DUCT INSULATION BELOW.

DUCTWORK LOCATED OUTSIDE OF THE BUILDING ENVELOPE SHALL BE THERMAFIBER PRODUCTS OR COVERED WITH 3M VENTURECLAD JACKETING, OR EQUAL PRODUCT, AND SEALED AIR-TIGHT.

DUCT INSULATION:

R-6 SUPPLY, OUTSIDE AND RETURN AIR DUCT INSULATION IN CONDITIONED AND UNCONDITIONED SPACES.
R-8 SUPPLY AND RETURN AIR DUCT INSULATION OUTSIDE THE BUILDING.
R-8 INSULATION BETWEEN DUCTS AND THE BUILDING EXTERIOR WHEN DUCTS ARE PART OF A BUILDING ASSEMBLY.

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PROJECT # 120375

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Blairsville, Georgia
30512

LEGEND

SYMBOLS	DESCRIPTION
#1 / #2	DIFFUSER, GRILLE, REGISTER OR LOUVER TAG #1 = TYPE, #2 = CFM
	POSITIVE PRESSURE (AIR GOES OUT) DIFFUSER OR REGISTER, 4-WAY AIR PATTERN (UNLESS OTHERWISE NOTED)
	NEGATIVE PRESSURE (AIR GOES IN) GRILLE
	POSITIVE PRESSURE AIRFLOW (TYP. SUPPLY)
	NEGATIVE PRESSURE AIRFLOW (TYP. RETURN/EXHAUST)
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER (MVD)
	BACKDRAFT DAMPER (BDD)
TD	VERTICAL (TYP. WALL) FIRE DAMPER
FSD	VERTICAL (TYP. WALL) COMBINATION FIRE/SMOKE DAMPER
TD	HORIZONTAL (TYP. FLOOR/CEILING) FIRE DAMPER
FSD	HORIZONTAL (TYP. FLOOR/CEILING) COMBINATION FIRE/SMOKE DAMPER
T	THERMOSTAT
H	HUMIDISTAT
S	REMOTE TEMPERATURE SENSOR
	INTERNALLY LINED DUCT
	DUCT UP
	DUCT UP
	DUCT DOWN
	SUPPLY DUCT
AB / 1	EQUIPMENT TYPE EQUIPMENT NUMBER. WHERE A LETTER IS USED, THERE ARE MULTIPLE INSTANCES.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MA	MAKE-UP AIR
BDD	BACKDRAFT DAMPER	MAU	MAKE-UP AIR UNIT
AHU	AIR HANDLING UNIT	MAV	MANUAL AIR VENT
CO2	CARBON DIOXIDE	MBH	1,000 BTU PER HR
D	CONDENSATE DRAIN	MFCU	MINI FAN COIL UNIT
DB	DRY BULB	MHP	MINI HEAT PUMP
EA	EXHAUST AIR	MVD	MANUAL VOLUME DAMPER
EAT	ENTERING AIR TEMPERATURE	NC	NORMALLY CLOSED
EDH	ELECTRIC DUCT HEATER	NO	NORMALLY OPEN
EF	EXHAUST FAN	OA	OUTSIDE AIR
ESP	EXTERNAL STATIC PRESSURE	OBD	OPPOSED BLADE DAMPER
EWH	ELECTRIC WALL HEATER	PRV	POWER REDUCTION UNIT
F	DEGREES FAHRENHEIT	RA	RETURN AIR
FCU	FAN COIL UNIT	RH	RELIEF HOOD
FD	FIRE DAMPER	RTU	ROOFTOP UNIT
FSD	COMBINATION FIRE/SMOKE DAMPER	SA	SUPPLY AIR
H	HUMIDISTAT	SP	STATIC PRESSURE
IH	INTAKE HOOD	UC	UNDER CUT DOOR
LAT	LEAVING AIR TEMPERATURE	VAV	VARIABLE AIR VOLUME
LWT	LEAVING WATER TEMPERATURE	WB	WET BULB
M	MOTOR	WL	WALL LOUVER

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10/30/2020	BID SET

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16107

GENERAL

M-0.01

SPLIT DIRECT EXPANSION (DX) EQUIPMENT

INDOOR UNIT									OUTDOOR UNIT				COMBINED COOLING CAPACITIES							REMARKS						
																COOLING										
MARK	SERVES	TOTAL S.A. (CFM)	O.A. (CFM)	E.S.P. (IN WG)	MOTOR (hp)	AUXILIARY HEATER (kW)	WEIGHT (LBS)	BASIS OF DESIGN	MIN. SEER	MIN. HSPF	WEIGHT (LBS)	BASIS OF DESIGN	NOMINAL TONNAGE (TONS)	TOTAL (MBH)	SENS (MBH)	LAT (MBH)	Ent. Tdb (°F)	Ent. Twb (°F)	Lvg. Tdb (°F)	Lvg. Twb (°F)	1	2	3	4	5	6	7
FCU-1 / HP-1	NEW DINING ROOM	1,890	350	0.50	3/4 ECM	11.3	175.0	FRAEDRFCC1	14.0	8.2	250.0	25HCE460	5.0	61.9	45.7	16.2	75.6	66.1	55.5	55.5	X	X	X	X	X	X	X
FCU-2 / HP-2	NEW DINING ROOM	1,890	350	0.50	3/4 ECM	11.3	175.0	FRAEDRFCC1	14.0	8.2	250.0	25HCE460	5.0	61.9	45.7	16.2	75.6	66.1	55.5	55.5	X	X	X	X	X	X	X

NOTES (APPLY TO ALL):

A. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.

B. SUBMITTED UNIT CAPACITIES SHOULD BE WITHIN +/- 0% OF SCHEDULED CAPACITIES.

C. BASIS OF DESIGN: CARRIER. REFER TO SPECIFICATIONS.
ACCEPTABLE ALTERNATES: JOHNSON CONTROLS, TRANE, DAIKIN/MCQUAY, LENNOX

D. ALL EVAPORATORS AND COOLING COILS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER IN THE AUXILIARY DRAIN PAN.

E. AS AN ALTERNATIVE TO THE AUXILIARY CONDENSATE DRAIN PAN, AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER MAY BE INSTALLED IN THE PRIMARY DRAIN LINE. THE OVERFLOW DRAIN LINE OR THE EQUIPMENT SUPPLIED DRAIN PAN. THE WATER LEVEL DETECTOR SHALL BE LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN.

REMARKS (APPLY AS SCHEDULED):

1. PROGRAMMABLE THERMOSTAT.
2. LOW AMBIENT PACKAGE
3. DISPOSABLE FILTER.
4. ANTI-SHORT CYCLE TIMER.
5. INDOOR FAN DELAY KIT.
6. DISCONNECT SWITCH PROVIDED BY ELECTRICAL SUBCONTRACTOR AT BOTH THE INDOOR AND OUTDOOR UNIT. REFER TO THE ELECTRICAL DOCUMENTS.
7. MOUNT OUTDOOR HEAT PUMP ON ROOF.

GRAVITY VENTILATORS

MARK	MODEL/ SERIES	TYPE	SERVICE	CFM	THROAT AREA (SF)	THROAT VELOCITY (FTM)	MAX SP (IN WG)	REMARKS 1	2	3
PI-1	GRSI	INTAKE	FCU-1 & 2 OA INTAKE	760	1.45	524	0.05	X	X	X

REMARKS:

1. INSULATED HOOD
2. ALUMINUM BIRDSCREEN
3. FACTORY INSULATED, ROOF CURB

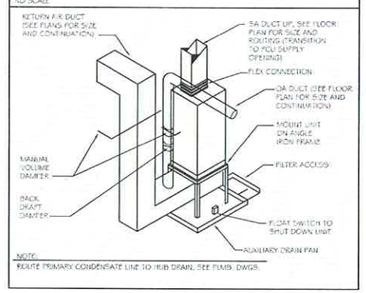
DIFFUSER, GRILLE, AND REGISTER SCHEDULE

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	NOISE CRITERIA @ MAX CFM	MODEL
RS24x18	EGGCRATE GRILLE	24x18	24x18	25	TITUS 50F
SC1806	DOUBLE DEFLECTION REGISTER	22x8	16x6	25	TITUS 300FS
SCD06	SUPPLY CEILING PLAQUE DIFFUSER	24x24	6Ø	25	TITUS OMNI

A. AIR DEVICE (I.E. DIFFUSERS, REGISTERS AND GRILLES) COLOR SELECTION SHALL BE MADE BY ARCHITECT. CONTRACTOR SHALL SUBMIT COLOR/FINISH CHARTS FOR ARCHITECTURAL REVIEW AND SELECTION.
B. THE CONTRACTOR SHALL COORDINATE AIR DEVICE FRAME AND/OR SUSPENSION TYPE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.

VERTICAL FAN COIL UNIT DETAIL

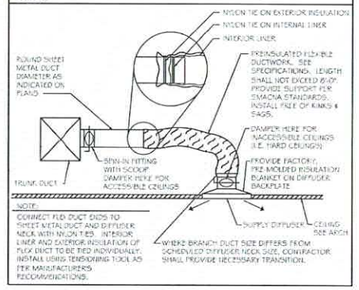
NO SCALE



NOTE:
ROUTE PRIMARY CONDENSATE LINE TO HUB DRAIN. SEE PLMB. DWGS.

DIFFUSER TAKE-OFF DETAIL

NO SCALE

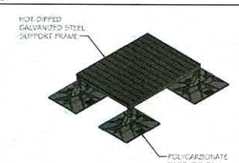


NOTE:
CONNECT FLEX DUCT ENDS TO SHEET METAL DUCT AND DIFFUSER NECK WITH NYLON TIES. INTERIOR LINER AND EXTERIOR INSULATION OF FLEX DUCT TO BE TIED INDIVIDUALLY. INSTALL USING TENSIONING TOOL AS PER MANUFACTURERS RECOMMENDATIONS.

WHERE BRANCH DUCT SIZE DIFFERS FROM SCHEDULED DIFFUSER NECK SIZE, CONTRACTOR SHALL PROVIDE NECESSARY TRANSITION.

ROOFTOP CONDENSING UNIT/HEAT PUMP STAND

NO SCALE



ROOFTOP CONDENSING UNIT / HEAT PUMP STAND:
ROOFTOP CONDENSING UNITS AND HEAT PUMPS SHALL BE SUPPORTED BY PREFABRICATED SYSTEMS.

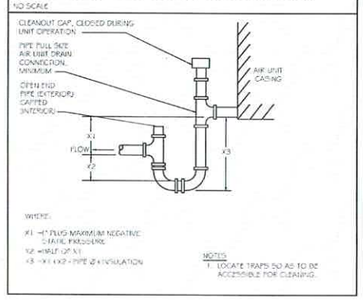
SYSTEM SHALL BE SIZED AND CUSTOM DESIGN BY MANUFACTURER.

PREFABRICATED SYSTEM SHALL BE MODEL HD BY MIRO INDUSTRIES OR EQUIVALENT.

SUPPORTS SHALL BE SPACED 7' INTERVALS SO AS TO ALLOW PROPER INSTALLATION AND OPERATION OF SUPPORTED EQUIPMENT.

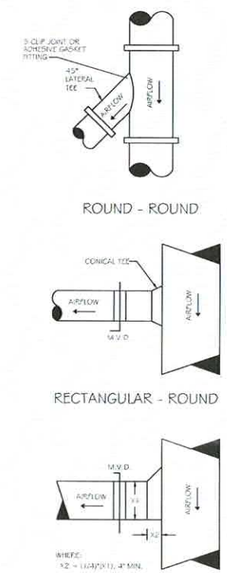
CONDENSATE TRAP (DRAW THROUGH UNIT)

NO SCALE



DUCTWORK DETAILS

NO SCALE



PROFICIENT ENGINEERING
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Peachtree Corners, Georgia 30092
404.330.9738
PROJECT # 120035

Union County Community Center

129 Union County Recreation Road,
Blairsville, Georgia
30512

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 024808 JENNIFER DUCHAC

10/30/2020	BID SET

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16107

DETAILS & SCHEDULES

M-0.02

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PROFICIENT
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404.300.9798
PROJECT # 120275

Union County Community Center

129 Union County Recreation Road,
Blairsville, Georgia
30512

GENERAL NOTES

A. EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.

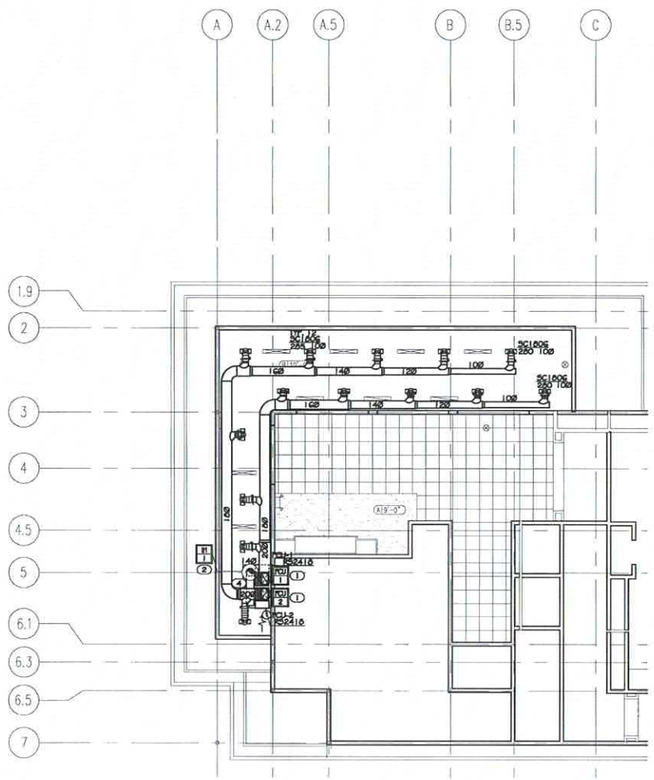
B. DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.

C. CONTRACTOR TO FIELD COORDINATE HP-1 AND HP-2 ON ROOF WITH EXISTING EQUIPMENT.

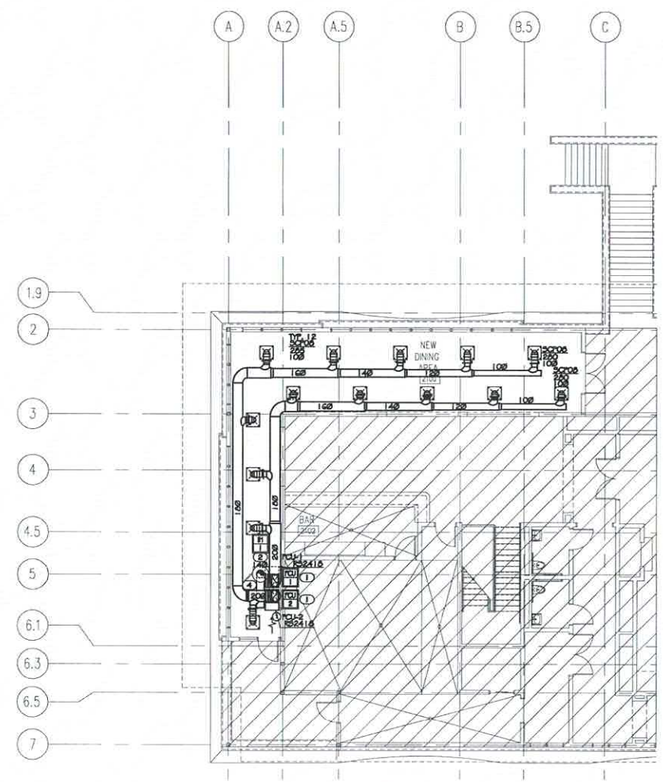
D. HATCHED AREAS NOT IN SCOPE.

KEYNOTES

1. TRAP AND ROUTE 1"Ø CONDENSATE DRAIN LINE TO EXTERIOR WALL TO GRADE.
2. OUTSIDE AIR ROUTED DOWN FROM GRAVITY VENTILATORS ON ROOF ABOVE.
3. CONTRACTOR TO FIELD COORDINATE HP-1 AND HP-2 ON ROOF WITH EXISTING EQUIPMENT.
4. OUTSIDE AIR DUCT TO RUN LOW IN CLOSET, CONNECTING TO EACH RETURN AIR PLENUM.



2 UPPER FLOOR PLAN - ALTERNATE CEILING
Scale: 1/8" = 1'-0"



1 UPPER FLOOR PLAN
Scale: 1/8" = 1'-0"

10/30/2020	BID SET

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UPPER LEVEL FLOOR PLAN

M-1.00

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SPECIFICATIONS

GENERAL

CONTRACTOR SHALL REFER TO ALL RELATED DOCUMENTS, ARCHITECTURAL, STRUCTURAL, CIVIL AND MEP DRAWINGS, AND FULLY UNDERSTAND THE SCOPE OF WORK AND CONDITION OF CONSTRUCTION.

THE WORK UNDER THIS SPECIFICATIONS AND DRAWINGS SHALL INCLUDE ALL LABOR.

ALL INSTALLATION OF DEVICES AND CONNECTION OF CONDUCTORS SHALL BE PERFORMED BY LICENSED AND SKILLED ELECTRICIAN OR JOURNYMAN.

ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE OWNER. IF ANY PORTION OF THE WORK IS FOUND UNSATISFACTORY BY THE OWNER, IT SHALL BE REMOVED AND REINSTALLED WITHOUT DELAY AT NO COST TO THE OWNER.

THE WORK INCLUDES, BUT NOT LIMITED TO:
THE COMPLETE ELECTRICAL DISTRIBUTION SYSTEM.
ROUGH-IN AND FINAL CONNECTIONS TO ALL DEVICES REQUIRING ELECTRICAL POWER, INCLUDING OWNER PROVIDED EQUIPMENT.
LIGHTING CONTROL
LIGHTING FIXTURES

EACH CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED BY THE REGULATORY AUTHORITIES. ALL FEES RELATED TO OBTAINING PERMITS AND INSPECTION SHALL BE PAID FOR BY EACH CONTRACTOR IN HIS TRADE.

ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH LOCAL, COUNTY, STATE, AND NATIONAL ELECTRICAL CODE 2017, SPECIFICATIONS, UTILITY COMPANY REQUIREMENTS AND ALL INDUSTRY STANDARDS.

ANY DIFFERENCES IN ABOVE MENTIONED REQUIREMENTS, THE MOST STRIN SHALL OVERRULE ALL OTHERS.

IN ADDITION TO ABOVE MENTIONED CODES AND SPECIFICATIONS, THE FOLLOWING INDUSTRY STANDARDS SHALL BE COMPLIED IF THEY ARE MORE STRINGENT.
IEEE
IESI
IECC 2015
ASHRAE 90.1
NFPA
NEMA
UL
ADA

THE MANUFACTURER'S PUBLISHED DIRECTIONS SHALL BE FOLLOWED IN THE DELIVERY, STORAGE, INSPECTION, INSTALLATION AND WIRING OF ALL EQUIPMENT AND MATERIAL.

THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS LINES, CONDUITS, FIXTURES, AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM. THE SYSTEMS SHALL INCLUDE BUT ARE NOT LIMITED TO THE ITEMS SHOWN ON THE DRAWINGS. EXACT LOCATIONS OF THESE ITEMS SHALL BE DETERMINED BY REFERENCE TO THE GENERAL PLANS AND MEASUREMENTS AT THE BUILDING AND IN COOPERATION WITH THE OTHER SUBCONTRACTORS, AND IN ALL CASES, SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. THE OWNER RESERVES THE RIGHT TO MAKE ANY REASONABLE CHANGE IN THE LOCATION OF ANY PART OF THIS WORK WITHOUT ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL SEEK APPROVAL FROM THE OWNER FOR ANY CHANGES TO THE SPECIFICATIONS OR CONTRACT DOCUMENTS.

ANY EXCEPTIONS, INCONSISTENCIES AND CONFLICTS IN CONTRACT DOCUMENTS, SPECIFICATIONS AND CONTRACT DOCUMENTS BY OTHER TRADE SHALL BE BROUGHT TO ATTENTION TO THE OWNER PRIOR TO BID.

CONTRACTOR SHALL COORDINATE AND VERIFY THE WORK WITH EXISTING CONDITIONS AND THE WORK OF OTHER TRADE PRIOR TO ANY FABRICATIONS OR INSTALLATION. IF THE LAYOUT OF THE DEVICES ON DRAWINGS ARE IMPRACTICAL TO THE CONDITION IN FIELD, CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY PRIOR TO ANY FABRICATION OR INSTALLATION.

ELECTRICAL DEVICES ARE INDICATED ON DRAWINGS AT APPROXIMATE LOCATIONS. THE OWNER RESERVE THE RIGHT TO MAKE REASONABLE CHANGES IN LOCATIONS WITHOUT ADDITIONAL COSTS.

THE LINES INDICATING BRANCH CIRCUITS DO NOT REPRESENT THE ROUTING OF ELECTRICAL CONDUITS. THEY INDICATE THE LAYOUT AND CONTROL OF CIRCUITS.

PRODUCTS AND WORK

MATERIALS FURNISHED SHALL BE NEW AND BY STANDARD MANUFACTURERS AND MUST CONFORM TO THE NATIONAL BOARD OF FIRE UNDERWRITERS REQUIREMENTS AND BEAR THE UNDERWRITERS LABORATORIES SEAL OF APPROVAL.

LISTED MANUFACTURERS, MODELS, OR CATALOGUE NUMBERS IN PART OR ALL SHALL EXTAE TO INCLUDE THE PUBLISHED MANUFACTURERS DESCRIPTION AND SPECIFICATION.

CONTRACTOR SHALL NOT INTERPRET THAT THE LISTED MANUFACTURERS IN SPECIFICATIONS OR DRAWINGS TO EXCLUDE ALL OTHER MANUFACTURERS.

CONTRACTOR SHALL MAKE CERTAIN THAT ALL EQUIPMENT FIT IN THE SPACE DESIGNATED AND DESIGNED FOR THE SURROUNDINGS IT OCCUPIES.

COMPLETE CATALOGUE ILLUSTRATION AND DESCRIPTIONS OF ALL EQUIPMENT SHALL BE SUBMITTED TO THE OWNER PRIOR TO ORDERING ANY EQUIPMENT.

ALL HORIZONTAL RUNS OF CONDUITS SHALL BE SUPPORTED BY MEANS OF APPROVED HANGER FROM THE STRUCTURAL CEILING.

COORDINATE THE WORK UNDER THIS SECTION WITH ALL OTHER TRADES.

CONDUITS AND RACEWAYS:

MANUFACTURERS: SQUARE D, ALINE, ALLIED TUBE & CONDUIT, HOFFMAN, CARLON ELECTRICAL, WIREMOLD.

OUTDOORS EXPOSED: RIGID STEEL.
OUTDOORS CONCEALED ABOVE GROUND: RIGID STEEL.
OUTDOORS UNDERGROUND: TYPE EPC-40 PVC
OUTDOORS CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND MOTOR DRIVEN EQUIPMENT): LFMC.
BOXES AND ENCLOSURES ABOVE GROUND: NEMA 3R UNLESS NOTED OTHERWISE ON PLANS
INDOORS EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE: EMT.
INDOORS EXPOSED NOT SUBJECT TO SEVERE PHYSICAL DAMAGE: EMT.
INDOORS EXPOSED SUBJECT TO SEVERE PHYSICAL DAMAGE: RIGID STEEL CONDUIT.
INDOORS CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: EMT
INDOORS CONNECTION TO VIBRATING EQUIPMENT: FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS.
INDOORS DAMP OR WET LOCATIONS: IMC.
INDOORS LOW VOLTAGE CABLES: EMT.

CONDUCTORS:

COPPER CONDUCTORS #10 AND SMALLER:

LABELED PER UL 83, TYPE THHN/THWN, SOLID COPPER, 600 VOLT INSULATION, UNIFORM COLOR CODED JACKET WITH JACKET DATA.
METAL CLAD (MC) CABLE WHERE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 330.

COPPER CONDUCTORS #8 OR LARGER:

LABELED PER UL 83, TYPE THHN/THWN, STRANDED COPPER, 600VOLT INSULATION, UNIFORM COLOR CODED JACKET WITH JACKET DATA.

ACCEPTABLE MANUFACTURERS OF CONDUCTORS:
FIRELITE
SOUTHWIRE
ALTAN
REPUBLIC
AFC
ENDURE WIRE
KERITE

CONTRACTOR MAY USE ALUMINUM CONDUCTORS FOR #4 AWG OR LARGER IN THE PLACE OF COPPER CONDUCTORS. CONTRACTOR SHALL REFER TO NEC TABLE 310-16 FOR EQUIVALENT AMPACITY AND SHALL COMPENSATE FOR VOLTAGE DROP

SPECIFICATIONS

MOLDED CASE CIRCUIT BREAKER:

INCLUDE SCHEDULE OF ALL FUSES, RATINGS, TIME COORDINATION DATA, MANUFACTURERS STANDARD DATA AND TIME-CURRENT CURVES. ALL DATA SHALL BE BASED ON TEST OF STANDARD PRODUCTS.

APPROVED MANUFACTURERS:
GENERAL ELECTRIC
CUTLER HAMMER
SQUARE D
SIEMENS

THERMAL MAGNETIC BOLT IN TYPE CIRCUIT BREAKERS WITH QUICK MAKE, QUICK BREAK CONTACTS, TRIP FREE OPERATION WITH OVER THE CENTER TOGGLE HANDLE OR NON-REMOVABLE MONOLITHIC TRI-HANDLE.

MULTI-POLE BREAKERS SHALL HAVE INTERNAL COMMON TRIP AND COMMON RESET WITH A SINGLE TOGGLE HANDLE OR NON-REMOVABLE MONOLITHIC TRI-HANDLE.

TRIP RATINGS SHALL BE MOLDED ON THE HANDLE OR FACE OF BREAKER.

BREAKER TERMINALS SHALL BE RATED TO ACCOMMODATE A MINIMUM OF 75 DEGREE C CONDUCTORS.

BREAKER SHALL BE RATED FOR MOUNTING AND OPERATION IN ANY POSITION; SHALL ACCOMMODATE AND MATCH THE TYPE OF TERMINATIONS REQUIRED.

SINGLE POLE BREAKERS RATED 15 AND 20 AMPERES SHALL BE UL LABELED AS "SWITCHING BREAKERS" AT THE APPLIED CIRCUIT VOLTAGE.

MULTI POLE BREAKERS RATED 100 AMPERES AND LARGER SHALL BE MOLDED CASE THERMAL-MAGNETIC BOLT IN TYPE BREAKER WITH ADJUSTABLE INSTANTANEOUS TRIP.

LIGHTING FIXTURE

SUBMITTAL

SCHEDULE BY TYPE DESIGNATION ALL LIGHTING FIXTURES, EACH COMPLETE WITH DATA SHEET WITH COMPLETE PHYSICAL, ELECTRICAL AND LIGHTING CHARACTERISTICS, LAMP TYPE AND LAMP DATA.

REFER TO THE "LIGHTING FIXTURE SCHEDULE" ON THE DRAWINGS FOR INDIVIDUAL FIXTURE DESCRIPTIONS AND MANUFACTURER TYPES.

PROVIDE LAMPS FOR EACH FIXTURE OF QUANTITY, TYPE AND COLOR AS LISTED IN LIGHTING FIXTURE SCHEDULE. OF SYLVANIA OR PHILIPS ARE ACCEPTABLE.

EACH LIGHTING FIXTURE SHALL BE UL LABELED FOR PROPER OPERATION IN THE TYPE OF CEILING CONSTRUCTION AND FOR THE MOUNTING ARRANGEMENT OVER WHICH IT IS INSTALLED.

FIELD VERIFY ACTUAL CEILING SLOPE FOR FIXTURES INSTALLED IN SAME AND ACTUAL FIELD DIMENSIONS AND ANGLES OF CONSTRUCTION FOR ANY FIXTURE CONFORMS THE SHAPE AND LENGTH OF SAME, FOR COORDINATION OF FIXTURE CONSTRUCTION.

PANELBOARD

SUBMITTAL

INCLUDE SCHEDULE OF EACH PANELBOARD WITH ALL DEVICES AND COMPLETE WITH PHYSICAL AND ELECTRICAL DATA AND WITH RATINGS FOR EACH COMPONENT INCLUDING BREAKERS OVERLOAD CURVES.

LABELED PER UL #67 AND #50, CONFORM WITH NEMA #250 AND PB1, NFPA #70-384 AND 70-373.

ALL JUNCTION BOXES SHALL BE LABELED WITH PANEL AND CIRCUIT DESIGNATION.

PROVIDE TYPED CIRCUIT DIRECTORY WITH EACH CIRCUIT SERVING DEVICES AND AREA ITS SERVING.

APPROVED MANUFACTURERS:
GENERAL ELECTRIC
CUTLER HAMMER
SQUARE D
SIEMENS

LIGHTING CONTROL

TIME SWITCHES:

SOLID STATE, PROGRAMMABLE, WITH ALPHANUMERIC DISPLAY, COMPLYING WITH UL 917. 20-A BALLAST LOAD, 120/240VAC.

TWO ON-OFF SET POINTS ON A 24-HOUR SCHEDULE AND ANNUAL HOLIDAY SCHEDULE THAT OVERRIDES THE WEEKLY OPERATION ON HOLIDAYS.

ALLOW CONNECTION OF A PHOTOELECTRIC RELAY AS SUBSTITUTE FOR ON-OFF FUNCTION OF A PROGRAM.

BATTERY BACKUP FOR NOT LESS THAN SEVEN DAYS RESERVE TO MAINTAIN SCHEDULES AND TIME CLOCK.

INDOOR OCCUPANCY SENSORS:

WALL OR CEILING MOUNTED SOLID-STATE INDOOR OCCUPANCY SENSORS WITH A SEPARATE POWER PACK.

ADJUSTABLE TIME DELAY OVER A RANGE OF 1 TO 30 MINUTES.

SENSOR OUTPUT: CONTACTS RATED TO OPERATE THE CONNECTED RELAY, COMPLYING WITH UL773A. SENSOR IS POWERED FROM POWER PACK.

POWER PACK: DRY CONTACTS RATED FOR 20 A BALLAST LOAD AT 120 OR 277 VAC. AUTOMATIC LIGHT-LEVEL SENSOR: ADJUSTABLE FROM 2 TO 200 FC (21.5 TO 2152 LUX). TURN LIGHTS OFF WHEN SELECTED LIGHTING LEVEL IS PRESENT.

DUAL SENSOR TYPE: DETECT OCCUPANCY AREA USING BOTH PASSIVE INFRA-RED AND ULTRASONIC DETECTION METHOD.

ELECTRICAL GENERAL NOTES

THE DESIGN OF THIS SET OF DOCUMENT IS BASED ON NEC 2017.

ELECTRICAL CONTRACTOR SHALL REFER TO ALL OTHER DESIGN DRAWINGS PRIOR TO BID AND RETAIN FULL UNDERSTANDING OF THE SCOPE OF WORK.

FIXTURE TYPE INDICATED BY UPPER CASE CHARACTERS, SWITCHING AND GROUPING DESIGNATED BY LOWER CASE LETTER AND CIRCUIT BY NUMBER (WHERE APPLICABLE).

REFER TO THE ARCHITECTURAL/INTERIORS REFLECTED CEILING PLANS FOR EXACT FIXTURE PLACEMENT AND DIMENSIONS.

REFER TO THE ARCHITECTURAL/INTERIORS DOCUMENTS FOR ACTUAL DEVICE LOCATIONS AND DIMENSIONS.

COORDINATE THE INSTALLATION OF ALL CEILING MOUNTED DEVICES (FIRE ALARM SYSTEM DEVICES AND SPEAKERS, SOUND SYSTEM SPEAKER, ETC.) TO BE SYMMETRICAL ABOUT LIGHT FIXTURES AND SPRINKLER HEADS. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.

ALL MOUNTING OF EQUIPMENT IS AS SHOWN UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECT THE COLOR/FINISHES OF ALL ELECTRICAL DEVICES, OUTLETS, COVERPLATES AND TRIM.

EMERGENCY BATTERY PACKS AND EXIT SIGNS SHALL BE CONNECTED AHEAD OF ANY SWITCHING DEVICES.

REFER TO MECHANICAL DRAWINGS FOR DUCT SMOKE DETECTOR LOCATIONS AND QUANTITIES. OPERATION SHALL INCLUDE DUAL CONTACT BASE WITH LOCAL EQUIPMENT SHUTDOWN AND FIRE ALARM SIGNAL INITIATION.

WHEN CONDUCTOR OR CONDUIT SIZE IS INDICATED FOR BRANCH CIRCUIT HOME RUN, THE CONDUCTOR AND CONDUIT SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.

REFER TO THE APPROPRIATE DRAWINGS FOR THE EXACT LOCATION AND REQUIREMENTS OF EQUIPMENT INSTALLED UNDER OTHER DIVISIONS OF THE DOCUMENTS, WHICH REQUIRE ELECTRICAL SERVICE.

EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS.

WALL SWITCHES CONTROLLING CIRCUITS OF OPPOSITE PHASES SHALL NOT BE INSTALLED IN COMMON BOX UNLESS PERMANENT BARRIER IS PROVIDED.

ALL HOME RUNS SHALL RUN PARALLEL TO STRUCTURE AS MUCH AS POSSIBLE WHERE CEILING IS EXPOSED.

ALL RACEWAY AND EQUIPMENT SUPPORTS AND HANGERS SHALL BE FULLY COORDINATED WITH STRUCTURAL DRAWINGS TO INSURE LOCATION OF SAME OCCURS WITHIN FOUR (4) INCHES OF PANEL POINT ON BAR JOISTS.

COORDINATE LOCATION OF ALL FLOOR MOUNTED MECHANICAL AND PLUMBING EQUIPMENT IN ORDER TO VERIFY POWER & CONTROL RACEWAY CONCEALED IN SLABS TERMINATED AT PROPER LOCATION.

DISCONNECT SWITCHES, MOTOR STARTERS AND OTHER ELECTRICAL EQUIPMENT INSTALLED ABOVE ACCESSIBLE CEILINGS, AND REQUIRING ACCESS FOR MAINTENANCE, SHALL BE INSTALLED WITH BOTTOM OF DEVICE ONE (1) FOOT ABOVE CEILING TO PROVIDE READY ACCESSIBILITY.

MECHANICAL, PLUMBING, FIRE PROTECTION AND OTHER EQUIPMENT ARE SHOWN ON FLOOR PLAN IN APPROXIMATE LOCATION. COORDINATE WITH M, P, FP AND CONTRACT DRAWINGS/SUBMITTALS FOR EXACT LOCATION OF EQUIPMENT.

GENERAL DIAGRAMMATIC RACEWAY INTERCONNECTIONS OF EQUIPMENT, FIXTURES AND DEVICES ARE INDICATED ON FLOOR AND REFLECTED CEILING PLANS. REFER TO STRUCTURAL AND ARCHITECTURAL PLANS FOR ELEVATION CHANGES AND RACEWAY ROUTES.

RACEWAY FOR EXTERIOR LIGHTING MAY BE INDICATED OUTSIDE OF BUILDING FOOTPRINT FOR CLARITY. ROUTE ALL EXTERIOR LIGHTING RACEWAY WITHIN BUILDING STRUCTURE.

POWER AND COMMUNICATIONS/DATA CONDUITS CAN CROSS AT 90°, BUT WHERE PARALLEL, SHALL BE A MINIMUM OF 8" APART.

TELEVISION AND RADIO ANTENNAS CABLES SHALL HAVE SURGE PROTECTION. GROUND ALL MASTS.

PROVIDE FUSES FOR FIRE ALARM CONTROL PANEL.

FIELD COORDINATE MECHANICAL AND PLUMBING EQUIPMENT ELECTRICAL CHARACTERISTICS WITH DIV 15. CONTRACTOR PRIOR TO ROUGH-IN, ADJUST ELECTRICAL CONNECTIONS IF NECESSARY TO MATCH ACTUAL EQUIPMENT IN FIELD. FOR EXAMPLE, COORDINATE THE NAMEPLATE OVERCURRENT PROTECTION DEVICE RATING OF MECHANICAL EQUIPMENT AMONG MECHANICAL AND ELECTRICAL DIVISIONS/CONTRACTORS. ADJUST CIRCUIT BREAKER TO MATCH NAMEPLATE RATING OF EQUIPMENT AT NO ADDITIONAL COST.

FIELD COORDINATE MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS FOR ANY SUPPLEMENTAL POWER REQUIREMENTS, INCLUDING BUT NOT LIMITED TO CONTROL CIRCUITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ALL EQUIPMENT TO ITS INTENDED OPERATIONAL STATUS.

REFER TO FIRE PROTECTION DRAWINGS FOR LOCATIONS OF FLOW AND TAMPER SWITCHES.

EACH PENETRATION OF A FIRE RESISTANT RATED ASSEMBLY BY A PIPE, TUBE, WIRE OR CONDUIT SHALL BE PROTECTED BY A THROUGH PENETRATION FIRE STOP SYSTEM THAT HAS BEEN TESTED ACCORDING TO ASTME 814 OR E119.

ELECTRIC RECEPTACLES, SWITCHES, OUTLETS, ETC. SHALL NOT BE INSTALLED BACK TO BACK ON FIRE RESISTANCE RATED WALLS. THEY SHALL BE AT LEAST 24 INCHES APART.

LIGHT SWITCHES AND ELECTRICAL OUTLETS, LOCATED IN ROOMS ACCESSIBLE TO THE DISABLED SHALL BE LOCATED NO HIGHER THAN 48 INCHES AND NO LOWER THAN 15 INCHES ABOVE THE FINISHED FLOOR SURFACE. IF THE REACH OR THE CONTROL IS OVER AN OBSTRUCTION, THE MINIMUM HEIGHT SHALL BE REACHED TO 44 INCHES FOR A FORWARD APPROACH OR 46 INCHES FOR A SIDE APPROACH.

REFER TO LOW VOLTAGE CONSULTANTS DRAWINGS FOR VOICE, DATA AND CATV OUTLET LOCATIONS. REFER TO LV CONSULTANTS DRAWINGS FOR ANY ADDITIONAL INFORMATION.

CONNECT ALL EXIT SIGNS TO NEAREST UNSWITCHED PORTION OF THE LIGHTING CIRCUIT IN THE AREA.

ELECTRICAL BOXES INSTALLED IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATED WALL.

SUPPORT ALL VERTICAL RACEWAY PER NEC TABLE 300.19(A).

MAKE ELECTRICAL CONNECTIONS TO ELECTRIC WATER COOLERS FROM GFCI PROTECTED OUTLET IN WALL BEHIND COOLER HOUSING. THE OUTLET AND CORD SHALL NOT BE VISIBLE FROM PUBLIC VIEW.

COORDINATE WITH CUTSHEETS OF ALL EQUIPMENT TO BE INSTALLED AND PROVIDE ADDITIONAL CIRCUITS FOR CONTROLS IF REQUIRED BY MANUFACTURER.

FINAL COLOR, FINISH AND OTHER AESTHETIC PORTIONS OF ALL DEVICES SHALL BE COORDINATED WITH ARCHITECT OR OWNER'S REPRESENTATIVE. THIS SET OF DRAWINGS DOES NOT SUPERCEDE ARCHITECTURAL OR INTERIOR DOCUMENTS.

ALL EXPOSED HORIZONTAL RUNS OF CONDUITS SHALL BE EITHER PARALLEL OR PERPENDICULAR TO EXTERIOR WALLS.

PROVIDE PLENUM RATED CABLES, IF THE CABLES ARE EXPOSED AND ROUTED THROUGH PLENUM.

FOR ALL FUSES 1,200A OR HIGHER, PROVIDE ARC ENERGY REDUCTION PER NEC 240.67.

WHERE HIGHEST TRIP SETTING IN INSTALLED OVERCURRENT DEVICE IS 1,200A OR HIGHER, CONTRACTOR TO PROVIDE DOCUMENTATION OF CIRCUIT BREAKERS LOCATION AND PROVIDE AT LEAST ONE METHOD TO REDUCE CLEARING TIME VIA ENERGY-REDUCING MAINTENANCE SWITCH, INSTANTANEOUS TRIP SETTING, OR OTHER APPROVED METHOD AS LISTED PER NEC 240.87(B).

LEGEND

SYMBOLS	DESCRIPTION	MOUNTING
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	42" AFF OR 6" ABOVE COUNTER TOP
AC	QUADRAPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	18" AFF
AC	QUADRAPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	42" AFF OR 6" ABOVE COUNTER TOP
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	FLUSH WITH FINISHED FLOOR
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	IN CEILING
	SPECIAL RECEPTACLE, CONFIGURATION AND ELECTRICAL CHARACTERISTIC AS NOTED ON DWG	18" AFF
	JUNCTION BOX FLUSH IN WALL WITH COVER. SIZE PER NEC	18" AFF
	JUNCTION BOX FLUSH IN CEILING WITH COVER. SIZE PER NEC	IN CEILING
	JUNCTION BOX FLUSH IN FINISHED FLOOR WITH COVER. SIZE PER NEC	FLUSH WITH FINISHED FLOOR
$	SWITCH	42" AFF
$ / $3	SWITCH - 3 WAY	42" AFF
¢ / $occ	SWITCH - WALL MTD, INTEGRAL OCCUPANCY SENSOR	42" AFF
$LV	SWITCH - WALL MTD, LOW VOLTAGE, PILOT LIGHT	42" AFF
$ / $D	SWITCH - WALL MTD, DIMMING	42" AFF
	SWITCH - CEILING MOUNTED OCCUPANCY SENSOR	IN CEILING
	TV OUTLET	18" AFF
	TELEPHONE OUTLET	18" AFF
	TELEPHONE OUTLET. SUBSCRIPT: F - FIREMAND PHONE, H - HOUSE PHONE, P - PAY PHONE	42" AFF OR 6" ABOVE COUNTER TOP
	TELEPHONE / DATA COMBINATION OUTLET	18" AFF
	TELEPHONE / DATA COMBINATION OUTLET	FLUSH WITH FINISHED FLOOR
	TELEPHONE / DATA COMBINATION OUTLET	42" AFF OR 6" ABOVE COUNTER TOP
	DATA OUTLET	18" AFF
	DATA OUTLET	42" AFF OR 6" ABOVE COUNTER TOP
	DISCONNECT SWITCH. SUBSCRIPT: AMP / # OF POLES / ENCLOSURE	AS INDICATED ON DWG
	FUSED DISCONNECT SWITCH. SUBSCRIPT: AMP / # OF POLES / ENCLOSURE / FUSE	AS INDICATED ON DWG
	ELECTRICAL PANELBOARD. REFER TO PANELBOARD SCHEDULE	SURFACE MOUNTED ON WALL
	EQUIPMENT AS NOTED ON DRAWINGS	SURFACE MOUNTED ON WALL
	MOTOR	
3/#4	HOME RUN WITH WIRE TICKS. XX - PANEL DESIGNATION, # - CIRCUIT DESIGNATION. WIRE TICKS - (1) NEUTRAL, (3) HOT ■ # (1) GROUND ▪	
	SMOKE DETECTOR, CEILING / WALL MOUNTED	
	HEAT DETECTOR, CEILING/WALL MOUNTED	
	FIRE ALARM NOTIFICATION DEVICE. AUDIO AND VISUAL	80" AFF
	FIRE ALARM NOTIFICATION DEVICE. AUDIO.	80" AFF
	FIRE ALARM NOTIFICATION DEVICE. VISUAL	80" AFF
	FIRE ALARM INITIATION DEVICE. PULL STATION.	42" AFF

ABBREVIATIONS

AC	6" ABOVE COUNTER SPACE OR 42" AFF	IG	ISOLATED GROUND
AF	AMP FUSE	ISC	SHORT CIRCUIT CURRENT
AFF	ABOVE FINISHED FLOOR.	LTG	LIGHTING
AL	ALUMINUM	MTD	MOUNTED
BFC	BELOW FINISHED CEILING	N	NEUTRAL
BKR	BREAKER	NL	NIGHT LIGHT
CND	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CONN	CONNECTED OR CONNECTION	PNL	PANEL
CTB	CABLE TV TERMINAL BACKBOARD	RECPT	RECEPTACLE
CU	COPPER	TEL	TELEPHONE
DN	DOWN	TTB	TELEPHONE TERMINAL BOARD
EC	EMPTY CONDUIT	TV	TELEVISION
ELEC	ELECTRICAL	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FAA	FIRE ALARM ANNUNCIATOR PANEL	XFMR	TRANSFORMER
G OR GND	GROUND	UG	UNDERGROUND
GFCI OR GF	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF

PROFICIENT ENGINEERING
6961 Peachtree Industrial Blvd Building 700
Peachtree Corners, Georgia 30092
404.393.9798
PROJECT # 120325

Union County Community Center

129 Union County Recreation Road,
Blairsville, Georgia
30512

GEORGIA REGISTERED PROFESSIONAL ENGINEER BRIAN M. ARRIETTA

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PROJECT NO.
16107

SHEET TITLE
GENERAL

SHEET NO.
E-0.01

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PROFICIENT ENGINEERING
5961 Peachtree Industrial Blvd Building 700
Peachtree Corners, Georgia 30092
404 3303736
PROJECT # 120075

Union County Community Center

129 Union County Recreation Road,
Blairsville, Georgia
30512

Panel: KP

ROOM MOUNTING SURFACE
FED FROM EXISTING MDP
NOTE

VOLTS 208Y/120V 3P 4W
BUS AMPS 600
NEUTRAL 100%

AIC 22,000
MAIN BKR MLO
LUGS STANDARD

CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.6	EXISTING RECEPTACLE	2	20/1	0.4	EXISTING RECEPTACLE
3	15/2	1.6	EXISTING HEATED AIR CURTAIN	4	15/2	0.6	EXISTING COOLER EVAPORATOR COIL
5	|			6	|		
7	15/2	2.2	EXISTING ICE MAKER	8	15/2	0.6	EXISTING FREEZER EVAPORATOR COIL
9	|			10	|		
11	20/1	2.0	EXISTING RECEPTACLE	12	20/1	0.4	EXISTING LIGHTING
13	20/1	2.0	EXISTING RECEPTACLE	14	15/2	0.0	SPACE
15	20/1	2.0	EXISTING RECEPTACLE	16	|		
17	20/1	1.2	EXISTING RECEPTACLE	18	20/1	0.9	RECEPTACLE
19	20/1	1.2	EXISTING RECEPTACLE	20	20/1	0.5	LIGHTING
21	20/1	1.2	EXISTING RECEPTACLE	22	20/1	0.2	LIGHTING
23	20/1	0.0	SPACE	24	20/1	0.0	SPACE
25	225/3	63.5	EXISTING PANEL KP2	26	150/3	35.9	EXISTING PANEL KP2A
27	|			28	|		
29	|			30	|		
31	60/2	15.9	FCU-1	32	60/2	15.9	FCU-2
33	|			34	|		
35	50/2	6.7	HP-1	36	50/2	6.7	HP-2
37	|			38	|		
39	20/1	0.0	SPACE	40	20/1	0.0	SPACE
41	20/1	0.0	SPACE	42	20/1	0.0	SPACE

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	1.1	1.3	(125%)	MOTORS	144.1	144.1	(100%)
LARGEST MOTOR	63.5	15.9	(25%)	RECEPTACLES	11.7	10.9	(50%>10)
				KITCHEN EQUIPMENT	5.0	4.0	(80%)
				TOTAL LOAD		176.1	
				BALANCED 3-PHASE LOAD		488.8 A	
				PHASE A		114%	
				PHASE B		102%	
				PHASE C		83.5%	

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	VOLTS
B		(1) 35W LED	2x2 LED RECESSED TROFFER	LITHONIA 2GTL-2-33L-EZ1	120V 1P 2W
C		(1) 16W LED	PENDANT	TO BE SELECTED	120V 1P 2W
S4		(1) 25W LED	RECESSED 4' LED STRIP	LITHONIA ELWP4	120V 1P 2W
T		(2) 1.5W LED	EMERGENCY LIGHTING UNIT	LITHONIA ELM2 LED	120V 1P 2W
X		(1) 5W LED	THERMOPLASTIC EXIT SIGN WITH BACKUP BATTERY	LITHONIA LQM-S-W-3-R-120/277-EL-N	120V 1P 2W
XC		(2) 1.5W LED	COMBINATION EXIT/EMERGENCY LIGHTING UNIT	LITHONIA LHDM-LED-R-HO	120V 1P 2W

GENERAL SCHEDULE

CALLOUT	SYMBOL	VOLTS	KVA	CIRCUIT	WIRE CALLOUT	DISCONNECT DESCRIPTION
FCU-1		208/120V 2P 3W	15.87	KP-31,33	1-1/4"C,2#2,#2N,#6G	100A/2P,NEMA 1
FCU-2		208/120V 2P 3W	15.87	KP-32,34	1-1/4"C,2#2,#2N,#6G	100A/2P,NEMA 1
HP-1 (1)		208/120V 2P 3W	6.66	KP-35,37	3/4"C,2#6,#6N,#10G	60A/2P,NEMA 3R
HP-2 (2)		208/120V 2P 3W	6.66	KP-36,38	3/4"C,2#6,#6N,#10G	60A/2P,NEMA 3R

GENERAL NOTES

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.

ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY ARTICLE 250-146.

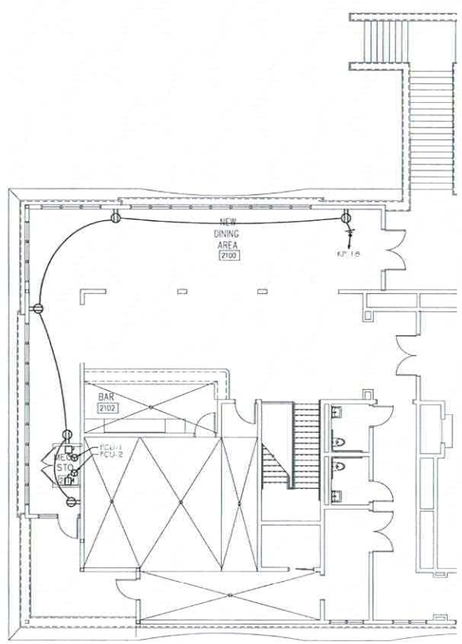
PROVIDE UNSWITCHED HOT LEG OF CIRCUIT TO EMERGENCY LIGHTING AND EXIT SIGNS.

COMCHECK COMPLIANCE REPORT NOT NEEDED AS MORE THAN HALF OF LIGHTING FIXTURES ARE EXISTING TO REMAIN.

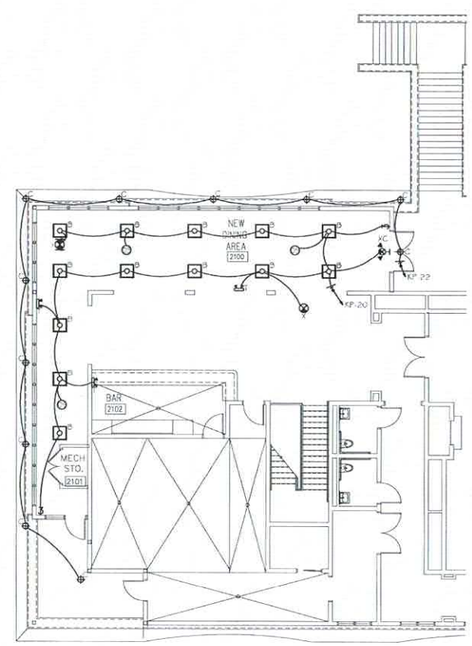
ALL EXISTING ELECTRICAL DEVICES TO REMAIN UNLESS SPECIFIED ON DRAWING.

KEYNOTES

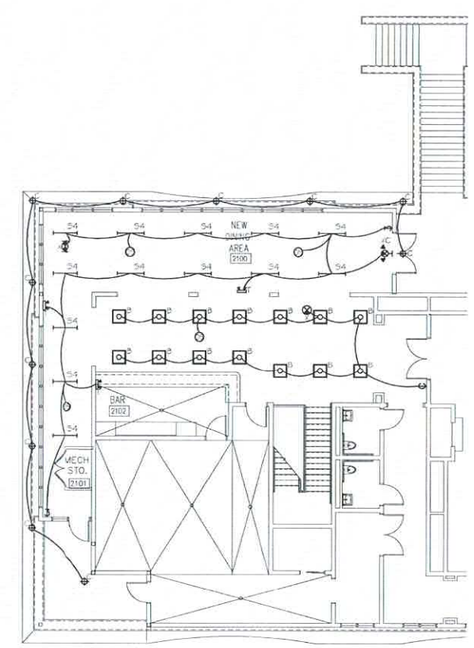
1. EXISTING 400A 30 SPACES ELECTRICAL PANEL IN FIRST FLOOR MAIN ELECTRICAL ROOM TO BE REPLACED WITH NEW 600A 42 SPACES ELECTRICAL PANEL. RE-FEED PANEL FROM MDP THAT CURRENTLY USED 150AA OF AVAILABLE 1,600A. USE (13)#2, 3#350kcmil, #350kcmil N, #1G FOR WIRE SIZE AND 600A/3P BREAKER.
2. HVAC EQUIPMENT LOCATED ON ROOF. COORDINATE EXACT LOCATION IN FIELD AND SEE M/CHANICAL DRAWINGS FOR DETAILS.



1 UPPER FLOOR PLAN - POWER
Scale: 1/8" = 1'-0"



2 UPPER FLOOR PLAN - LIGHTING
Scale: 1/8" = 1'-0"



3 UPPER FLOOR PLAN - LIGHTING ALTERNATE
Scale: 1/8" = 1'-0"

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10/30/2020 BID SET

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16107

UPPER LEVEL FLOOR PLAN

E-1.00