

ABBREVIATIONS

ABOVE FINISH FLOOR	A.F.F.	EQUIPMENT	EQUIP.	PAINTED	PTD
ACOUSTIC, ACOUSTICAL	AC	ETHYLENE PROPYLENE	E.P.D.M.	PAIR	PR
ACOUSTICAL TILE	AC. T.	DIENE TERPOLYMER		PAPER TOWEL DISPENSER	PTD
ADDITION		EXISTING	EXIST.	PASSAGE	PASS.
AIR CONDITIONING	A/C	EXISTING ROOF DRAIN	E.R.D.	PERPENDICULAR	PERP.
AIR HANDLING UNIT	A.H.U.	EXISTING TO REMAIN	E.T.R.	PLASTER	PLAS.
ALTERNATE	ALT	EXPANSION	EXP.	PLASTIC LAMINATE	PL. LAM.
ALUMINIUM	ALUM.	EXPANSION JOINT	E.J.	PLATE	PL.
ANCHOR, ANCHORAGE	ANCH	EXTERIOR	EXT.	PLUMBING	PLBG
ANCHOR BOLTS	AB	EXTERIOR INSULATION	E.I.F.S.	PLYWOOD	PLYWD
AND		FINISH SYSTEM		POLYVINYL CHLORIDE	PVC
ANGLE	L			PRECAST	P/C
ANODIZED	ANOD.	FEET, FOOT	FT	PRECAST EXPANSION JOINT	P.E.J.
APPROVED	APPR.	FIBER REINFORCED GYPSUM PANEL	F.R.G.P.P.	PREFABRICATED	PREFAB.
ARCHITECT, ARCHITECTURAL	ARCH.	FINISH, FINISHED	FIN.	PRESSURE TREATED	P.T.
ASBESTOS	ASB.	FIRE BLANKET	FB		
ASPHALT	ASPH.	FIRE EXTINGUISHER	F.E.	QUANTITY	QTY
ASSEMBLY ASSISTANT	ASST	FIRE RETARDANT TREATED	F.R.	QUARRY TILE	Q.T.
AT	@	FIREPROOFING	FPRFG.		
AUTOMATIC	AUTO.	FIXTURE	FIXT.	RADIANT PANEL	R.P.
		FLASHING	FLASH.	RADIUS	RAD.
BEAM	BM	FLOOR	FLR	RAIN WATER CONDUCTOR	R.W.C.
BEARING	BRG	FLOOR DRAIN	F.D.	RAIN WATER LEADER	R.W.L.
BETWEEN	BET.	FLOOR FINISH	FLR. FIN.	RECEIVING	RECV.
BEVEL, BEVELED	BEV.	FOOTING	FTG	REFRIGERATOR	REFR.
BITUMINOUS	BIT.	FOUNDATION	FDN	REINFORCE	REINF.
BLOCK	BLK	FURNISH, FURNISHED	FURN.	RELIEVING ANGLE	R.A.
BLOCKING	BLKG	FURRED, FURRING	FURR.	REQUIRED	REQ'D
BOARD	BD			REVISED, REVISION	REV.
BOTTOM	BOTT.	GAUGE	GA.	RISER	R.
BOTTOM OF	B.O.	GALVANIZED	GALV.	ROOF ACCESS HATCH/SCUTTLE	RAH
BRACE FRAME	B.F.	GRAB BAR	G.B.	ROOF DRAIN	R.D.
BRICK EXPANSION JOINT	B.E.J.	GYP SUM WALLBOARD	GYP. BD.	ROOF FAN	R.F.
BUILDING	BLDG.			ROOF TOP UNIT	R.T.U.
BUILT-UP-ROOFING	B.U.R.	HANDRAIL	H.R.	ROOM	RM
		HANDICAPPED	H.C.		
CABINET	CAB.	HEIGHT	HGT	SANITARY NAPKIN DISPENSER	SND
CABINET UNIT HEATER	C.U.H.	HIGH POINT	H.P.	SANITARY NAPKIN RECEIPTAL	SNR
CAPACITY	CAP.	HOLLOW METAL	H.M.	SCHEDULE	SCHED.
CEILING	CLG	HORIZONTAL	HORIZ.	SCUPPER	SC
CEILING HEIGHT	CLG. HT.	HOSE BIBB	H.B.	SECTION	SECT.
CEMENT	CEM.			SEISMIC JOINT	S.S.J.
CENTER	CTR	INCH OR INCHES	IN. OR "	SHEET	SHT
CENTERLINE	CENTERLINE	INCLUDE, INCLUDING	INCL.	SIMILAR	SIM.
CERAMIC TILE	CER. T.	INFORMATION	INFO.	SIMKE HATCH	S.H.
CHALKBOARD	C.B.D.	INSIDE DIAMETER	I.D.	SOAP DISPENSER	SD
CHANNEL	C	INSULATION	INSUL.	SOUND TRANSMISSION CLASS SPECIFICATIONS	S.T.C. SPEC.
CLOSET	CL.	INTERIOR	INT.	SPLASH BLOCK	S.B.
COLD FORMED METAL FRAME	C.F.M.F.			SQUARE	SQ.
COLUMN	COL.	KICK PLATE	K.P.	SQUARE FEET (FOOT)	S.F.
CONCRETE	CONC.			STAINLESS STEEL	ST. STL.
CONFERENCE	CONF.	LABORATORY	LAB.	STANDARD	STD
CONTROL/CONSTRUCTION JOINT	C.C.J.	LAVATORY	LAV.	STEEL	STL
CONTINUOUS	CONT.	LEAD COATED COPPER	L.C.C.	STORAGE	STOR.
CONTRACTOR	CONTR.	LIGHTING	L.TG.	STRUCTURAL	STRUCT.
CORRIDOR	CORR.	LOW POINT	L.P.	STRUCTURAL GLAZED FACING TILE	SGFT
COURSE, COURSES	CRS.	MACHINE	MACH.	STRUCTURAL STEEL	S.STL.
		MAINTENANCE	MAINT.	SUSPEND, SUSPENSION	SUSP.
DAMP-PROOFING	DMPPFG	MANUFACTURER	MFR	SWING UP GRAB BAR	SGB
DEGREE	DEG.	MARKER BOARD	MBD		
DEMOLITION	DEMO.	MASONRY	MAS.	TACKBOARD	TBD
DEPARTMENT	DEPT.	MASONRY OPENING	M.O.	THROUGH	THRU
DETAIL	DET.	MATERIAL	MATL	TOILET PAPER DISPENSER	TPD
DIAMETER	DIA.	MAXIMUM	MAX.	TONGUE AND GROOVE	T. & G.
DIMENSION	DIM.	MECHANICAL	MECH.	TOP OF	T.O.
DISTANCE	DIST.	METAL	MET.	TREAD	T.
DOOR	DR	MEZZANINE	MEZZ.	TYPICAL	TYP.
DOUBLE	DBL.	MINIMUM	MIN.		
DOUBLE HUNG	D.H.	MIRROR WITH FRAME	M.W.F.	UNDERWRITERS' LABORATORIES, INC.	UL
DOWN	DN	MISCELLANEOUS	MISC.	UNDER COUNTER REFRIGERATOR	UCR
DOWNSPOUT	D.S.			UNIT HEATER	U.H.
DRAWING	DWG	NORTH	N	UNIT VENTILATOR	U.V.
DRINKING FOUNTAIN	D.F.	NOT IN CONTRACT	N.I.C.	UNLESS OTHERWISE NOTED	U.O.N.
		NOT TO SCALE	N.T.S.		
EACH	EA.	NUMBER	NO. OR #	VENT THROUGH ROOF	VTR
ELECTRIC, ELECTRICAL	ELEC.	OFFICE	OFF.	VENT STACK	VTR
ELECTRIC WATER COOLER	EWV	ON CENTER	O.C.	VERTICAL	VERT.
ELEVATION	ELEV.	OPPOSITE HAND	O.H.	VESTIBULE	VEST.
ELEVATOR	EL.	OUTSIDE DIAMETER	O.D.	VINYL COMPOSITION TILE	VS
EXHAUST FAN	E.F.	OVERFLOW ROOF DRAIN	O.R.D.		
EXISTING FIRE BLANKET	EFB			WALL HYDRANT	W.H.
EXISTING FIRE EXTINGUISHER	EFE			WATERPROOFING	WP
EXISTING VENT STACK	EVS			WELDED WIRE FABRIC	W.W.F.
EMERGENCY	EMERG.			WHITE BOARD	W.B.D.
EQUAL	EQ.			WITH	W/
				WOOD	WD
				ZINC COATED COPPER	Z.C.C.

CLUBHOUSE HUNTER MEMORIAL GOLF COURSE

688 WESTFIELD ROAD
MERIDEN, CONNECTICUT 06268

FOR CONSTRUCTION
DECEMBER 16, 2014



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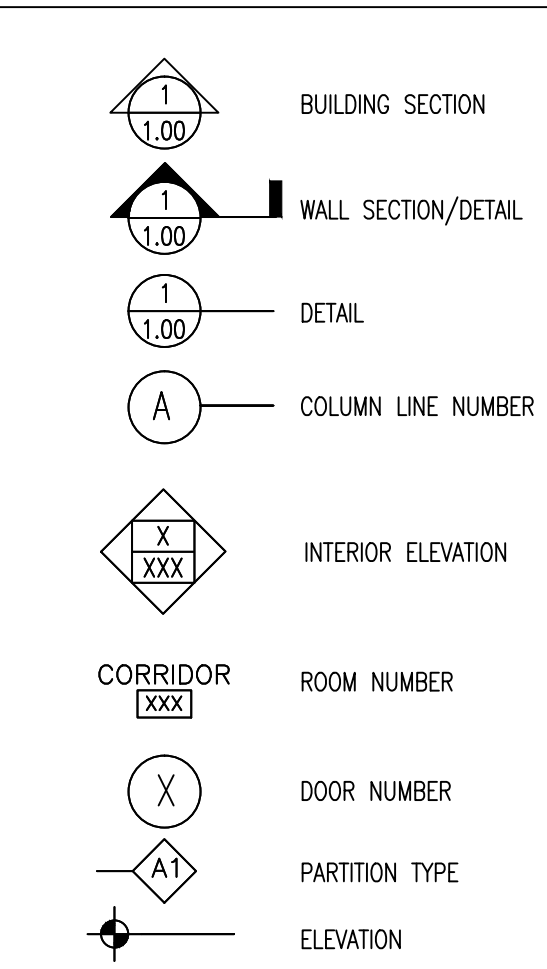
BL PROJECT No. 14D2584

LIST OF DRAWINGS

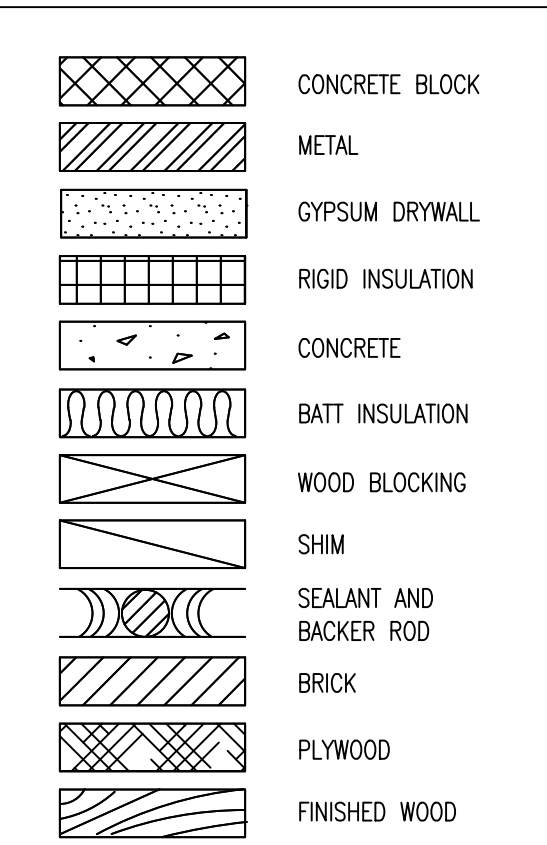
COVER SHEET - DRAWING LIST AND ABBREVIATIONS

STRUCTURAL	S1.01 MAIN ROOF FRAMING PLAN
ARCHITECTURAL	AT.01 DEMOLITION PLAN AND FLOOR PLAN, UPPER LEVEL AT.02 REFLECTED CEILING PLAN AND ROOF PLAN, UPPER LEVEL A6.01 WALL SECTIONS
MECHANICAL	MO.01 MECHANICAL NOTES, SYMBOLS, LEGENDS AND ABBREVIATIONS MO.01 MECHANICAL DEMOLITION FLOOR PLANS M1.01 MECHANICAL FLOOR PLANS
ELECTRICAL	E0.01 ELECTRICAL GENERAL NOTES, SPECIFICATIONS & SYMBOL LEGEND E01.01 FIRST FLOOR ELECTRICAL DEMOLITION PLAN E1.01 FIRST FLOOR ELECTRICAL PLANS

SYMBOLS



MATERIALS



EXISTING INFORMATION TAKEN FROM DRAWINGS DATED 21 AUG. 1986
PREPARED BY CARLIN - POZZI- CHIN ARCHITECTS, P.C. NEW HAVEN, CT.
EXISTING DRAWINGS AVAILABLE.

BUILDING INFORMATION

CT State Building Code	1981	1987	1989	1994	1999	2005
Effective Dates	09/01/81 - 04/14/87	04/15/87 - 10/15/89	10/16/89 - 06/14/94	06/15/94 - 04/30/99	05/01/99 - 12/30/05	12/31/05 - present
Use/Occupancy Classification (Section No.)	A-3 (203.4)	A-3 (302.4)	A-3 (302.4)	A-3 (302.4)	A-3 (303.4)	A-2 (303.1)
Construction Type (Section No.)	4A (218.0)	5B (406.0)	5B (406.0)	5B (406.0)	5B (606.1)	VB (602.5)
Height Area (Section No.)	1 story / 20' 4,200 sq. ft. (T305)	1 story / 20' 4,200 sq. ft. (T501)	1 story / 20' 4,200 sq. ft. (T501)	1 story / 20' 4,200 sq. ft. (T501)	1 story / 20' 4,200 sq. ft. (T503)	1 story / 40' 6,000 sq. ft. (T503)

NOTE:

1981 CONNECTICUT BUILDING CODE IN EFFECT AT THE TIME OF CONSTRUCTION.
ADDITIONAL CODE INFORMATION SHOWN FOR REFERENCE AND COMPARISON ONLY.

FLOOR PLAN KEYNOTES:

- A VESTIBULE #101:**
 1. INSTALL STAIN GRADE DOOR CASING.
 2. RE-INSTALL HOLLOW METAL DOORS AND FRAME, PAINTED.
 3. RE-INSTALL INTERIOR WOOD DOOR AND HOLLOW METAL FRAME WITH ATTACHED HARDWARE, CLEAN AND REFINISH.
 4. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 5. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 6. INSTALL GLUE DOWN CARPET AND CARPET BASE.
 7. INSTALL BASE BOARD RADIATOR.
 8. INSTALL LIGHT FIXTURES.
 9. INSTALL WALL MOUNTED THERMOSTAT.
 10. INSTALL EXIT LIGHT.
 11. INSTALL 2 HEAD EMERGENCY AND EXIT LIGHT.
- B MEN'S RESTROOM #103:**
 1. INSTALL STAIN GRADE DOOR CASING.
 2. RE-INSTALL HOLLOW METAL DOOR FRAME, PAINTED.
 3. RE-INSTALL INTERIOR WOOD DOOR AND HOLLOW METAL FRAME WITH ATTACHED HARDWARE, CLEAN AND REFINISH.
 4. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 5. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 6. INSTALL MARBLE FLOOR TILE AND MARBLE WALL TILE.
 7. INSTALL BASE BOARD RADIATOR.
 8. INSTALL DOWN LIGHT.
 9. SAND, STAIN AND VARNISH TRIM TO 6".
 10. PREP. PRIME AND PAINT GYPSUM BOARD.
 11. PAINT HOLLOW METAL DOOR AND JAMB.
 12. RE-INSTALL METAL TOILET PARTITION.
 13. RE-INSTALL TOILET ACCESSORIES.
 14. RE-INSTALL FLOOR MOUNTED TOILET FIXTURE.
 15. RE-INSTALL WALL MOUNTED LAVATORY W/ WALL BRACKET.
 16. RE-INSTALL WALL MOUNTED URINAL W/ WALL BRACKET.
 17. RE-INSTALL P-TRAP, SINK STOPPER, SUPPLY LINES AND LAVATORY FAUCET.
 18. RE-INSTALL FLUSH VALVE AND PIPING.
 19. INSTALL TOILET ACCESSORIES AND PLUMBING WOOD BLOCKING.
 20. RE-INSTALL 16"x24" S.S. FRAME.

- D KITCHEN #107:**
 1. INSTALL SHELVING AND IN WALL WOOD BLOCKING. COORDINATE LOCATIONS WITH EQUIPMENT AND SHELVING.
 2. RE-INSTALL STAIN GRADE DOOR CASING.
 3. INSTALL HOLLOW METAL DOOR FRAME, PAINTED.
 4. RE-INSTALL INTERIOR WOOD DOOR AND HOLLOW METAL FRAME WITH ATTACHED HARDWARE, CLEAN AND REFINISH.
 5. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 6. INSTALL CERAMIC FLOOR TILE, CERAMIC TILE BASE, AND CERAMIC WALL TILE.
 7. INSTALL VINYL FACED ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 8. SAND, STAIN AND VARNISH TRIM TO 6".
 9. RE-INSTALL FIRE EXTINGUISHER.
 10. RE-INSTALL S.S. SINKS, S.S. SHELF, S.S. PREP TABLE, BROILER, GRIDDLE, GRILL, RANGE, STEAM TABLE, DISHWASHER W/ SINK, GARBAGE DISPOSAL AND TRAY TABLE, S.S. HAND SINK, S.S. ICE MAKER, DEEP FRYER, AND S.S. RANGE HOOD.
 11. INSTALL DEVICE COVER.
 12. INSTALL ELEC. OUTLET AND SWITCH.
 13. INSTALL SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE.
 14. PAINT HOLLOW METAL DOOR AND FRAME.
- E GOLFER'S REFRESHMENT #111:**
 1. INSTALL STAIN GRADE WINDOW CASING.
 2. INSTALL STAIN GRADE WINDOW STOOL W/ WINDOW APRON.
 3. INSTALL STAIN GRADE WINDOW HEAD CASING.
 4. INSTALL STAIN GRADE WINDOW JAMB EXTENSION.
 5. INSTALL STAIN GRADE WINDOW HORIZONTAL MULLION.
 6. INSTALL STAIN GRADE DOOR CASING.
 7. RE-INSTALL PINE BEADBOARD W/ WINGGOT W/ CAP RAIL.
 8. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 9. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED ONLY.
 10. INSTALL QUARRY FLOOR TILE.
 11. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM WHERE EXISTING, SAND, STAIN AND VARNISH GLULAM AND WOOD ROOF DECK.
 12. SAND, STAIN AND VARNISH TRIM TO 6".
 13. SEAL AND PAINT WALL.
 14. PREP. PRIME AND PAINT GYPSUM BOARD.
 15. PREP. SAND, STAIN, AND VARNISH WOOD WINDOW TRIM.
 16. INSTALL FIRE EXTINGUISHER CABINET.
 17. INSTALL FIRE EXTINGUISHER.
 18. INSTALL GLUE DOWN CARPET AND CARPET BASE.
 19. INSTALL BASE BOARD RADIATOR.
 20. INSTALL 2 HEAD EMERGENCY AND EXIT LIGHT.

- G LOUNGE #115:**
 1. INSTALL STAIN GRADE WINDOW CASING.
 2. INSTALL STAIN GRADE WINDOW STOOL W/ WINDOW APRON.
 3. INSTALL STAIN GRADE WINDOW HEAD CASING. *New door and hardware*
 4. INSTALL STAIN GRADE WINDOW JAMB EXTENSION.
 5. INSTALL STAIN GRADE WINDOW HORIZONTAL MULLION.
 6. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 7. SAND STAIN AND VARNISH GLULAM AND WOOD ROOF DECK.
 8. SEAL AND PAINT WALL.
 9. PREP. PRIME AND PAINT GYPSUM BOARD.
 10. PREP. SAND, STAIN, AND VARNISH WOOD WINDOW TRIM.
 11. INSTALL PLASTIC LAMINATE WORK COUNTER W/ SUPPORTS.
 12. CLEAN AND TREAT GYPSUM BOARD WALL.
- H WOMEN'S RESTROOM #104:**
 1. RE-INSTALL STAIN GRADE DOOR CASING.
 2. PAINT HOLLOW METAL DOOR AND JAMB.
 3. RE-INSTALL INTERIOR WOOD DOOR AND HOLLOW METAL FRAME WITH ATTACHED HARDWARE, CLEAN AND REFINISH.
 4. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 5. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 6. INSTALL MARBLE FLOOR TILE AND MARBLE WALL TILE.
 7. INSTALL BASE BOARD RADIATOR.
 8. PREP. PRIME AND PAINT GYPSUM BOARD.
 9. INSTALL 5-6" SOLID SURFACE COUNTERTOP W/ BACK SPLASH AND TWO SINK CUT OUTS.
 10. RE-INSTALL METAL TOILET PARTITION.
 11. RE-INSTALL TOILET ACCESSORIES.
 12. RE-INSTALL FLOOR MOUNTED TOILET FIXTURE.
 13. RE-INSTALL VANITY SINK AND LAVATORY FAUCET.
 14. RE-INSTALL P-TRAP, SINK STOPPER, SUPPLY LINES AND LAVATORY FAUCET.
 15. RE-INSTALL FLUSH VALVE AND PIPING.
 16. RE-INSTALL TOILET ACCESSORIES AND PLUMBING WOOD BLOCKING.
 17. INSTALL TOILET COVER.
 18. INSTALL MOTION DETECTOR SWITCH.
 19. INSTALL MOTION DETECTOR SWITCH.
 20. RE-INSTALL 16"x24" S.S. FRAME.

- J OFFICE #106:**
 1. RE-INSTALL STAIN GRADE DOOR CASING.
 2. RE-INSTALL HOLLOW METAL DOOR FRAME, PAINTED.
 3. RE-INSTALL INTERIOR WOOD DOOR AND HOLLOW METAL FRAME WITH ATTACHED HARDWARE, CLEAN AND REFINISH.
 4. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 5. INSTALL QUARRY FLOOR TILE AND QUARRY TILE BASE.
 6. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 7. SAND, STAIN AND VARNISH TRIM TO 6".
 8. PREP. PRIME AND PAINT GYPSUM BOARD.
 9. PAINT HOLLOW METAL DOOR AND JAMB.
 10. INSTALL PLASTIC LAMINATE WORK COUNTER W/ SUPPORTS.
 11. INSTALL PLASTIC LAMINATE SHELF W/ BRACKETS AND STANDARDS.
 12. INSTALL DEVICE COVER.
 13. INSTALL ELEC. OUTLET AND SWITCH.
 14. INSTALL LAY-IN FLUORESCENT LIGHT FIXTURE.
 15. INSTALL PHONE/DATA OUTLET.
- K FAN ROOM ACCESS #108:**
 1. CLEAN WALL AND CEILING.
 STAIRS TO MECHANICAL LEVEL:
 2. CLEAN FAN ROOM AND ACCESS STAIRS.
- L TOILET #109:**
 1. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 2. SEAL AND PAINT WALL.
 3. CLEAN AND PAINT HOLLOW METAL DOOR AND FRAME.
 4. CLEAN AND REFINISH WOOD DOOR.
 5. CLEAN AND CHECK SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE.
 6. CLEAN AND TREAT GYPSUM BOARD WALL.
 7. CLEAN AND TREAT QUARRY TILE FLOOR AND BASE.
 8. CLEAN TOILET FIXTURES.
 9. GENERAL CLEANING OF MISCELLANEOUS ITEMS WITHIN ROOM.

- N COATS #113:**
 1. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 2. SEAL AND PAINT WALL.
 3. CLEAN AND PAINT HOLLOW METAL DOOR AND FRAME.
 4. CLEAN AND REFINISH WOOD DOOR.
 5. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 6. CLEAN AND TREAT GYPSUM BOARD WALL.
 7. GENERAL CLEANING OF MISCELLANEOUS ITEMS WITHIN ROOM.
- O SERVICE #110:**
 1. INSTALL SHELVING WOOD BLOCKING.
 2. INSTALL TEMPORARY BAR PROTECTION.
 3. RE-INSTALL SOFFIT ATTACHED CABINETS OVER BAR.
 4. RE-INSTALL STAINED WOOD BACK BAR AND SHELVING UNITS.
 5. INSTALL DOUBLE LAYER 1/2" GYP. BD. AND 5/8" GYP. BD. MOISTURE RESISTANCE, TAPED AND FINISHED, PRIME AND PAINT.
 6. INSTALL ACOUSTIC CEILING TILES, INCLUDING SUSPENSION SYSTEM.
 7. PRIME AND PAINT SOFFIT AND FASCIA.
 8. PREP. PRIME AND PAINT GYPSUM BOARD.
 9. PAINTER TO TOUCH UP BAR MILLWORK.

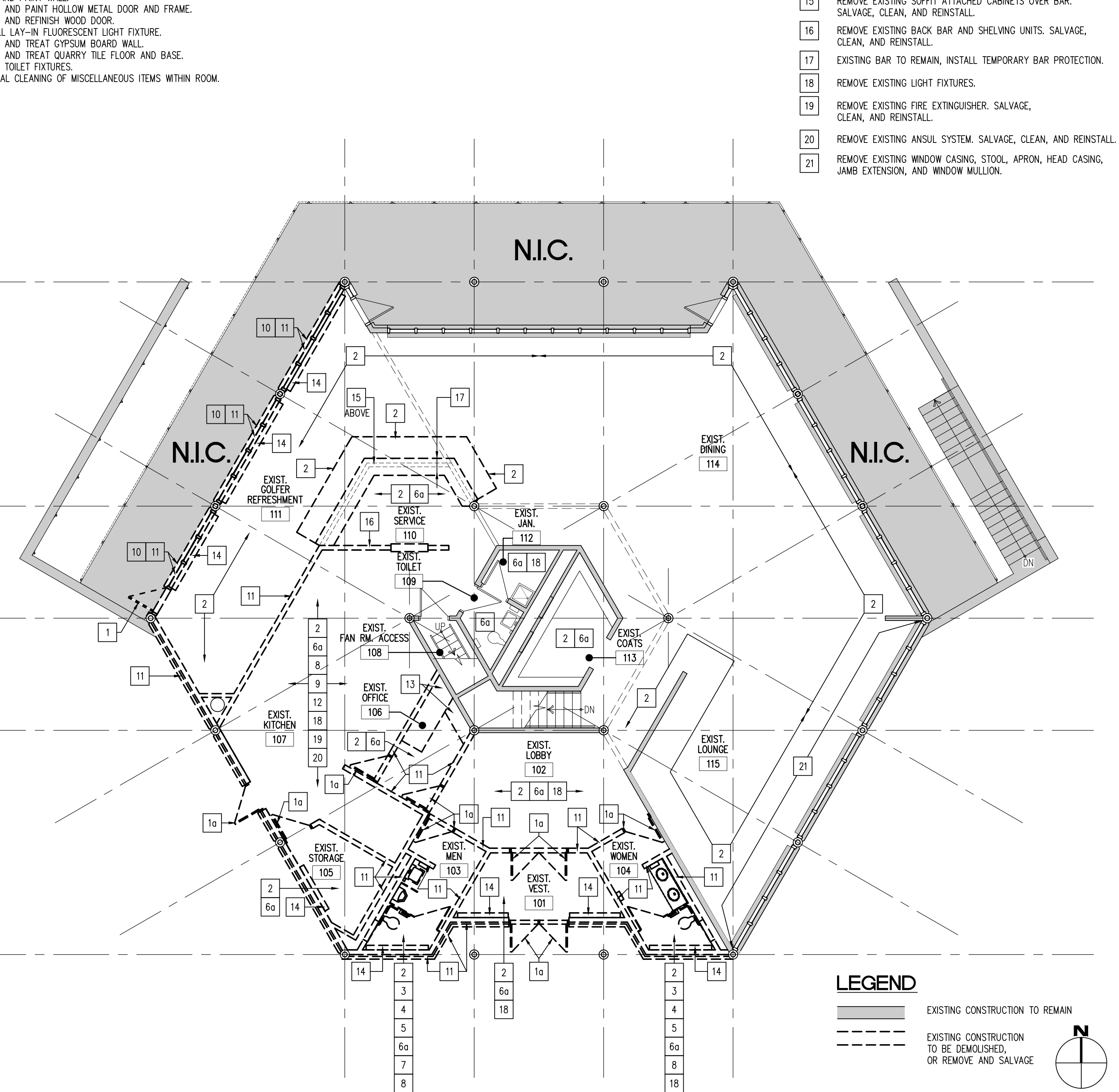
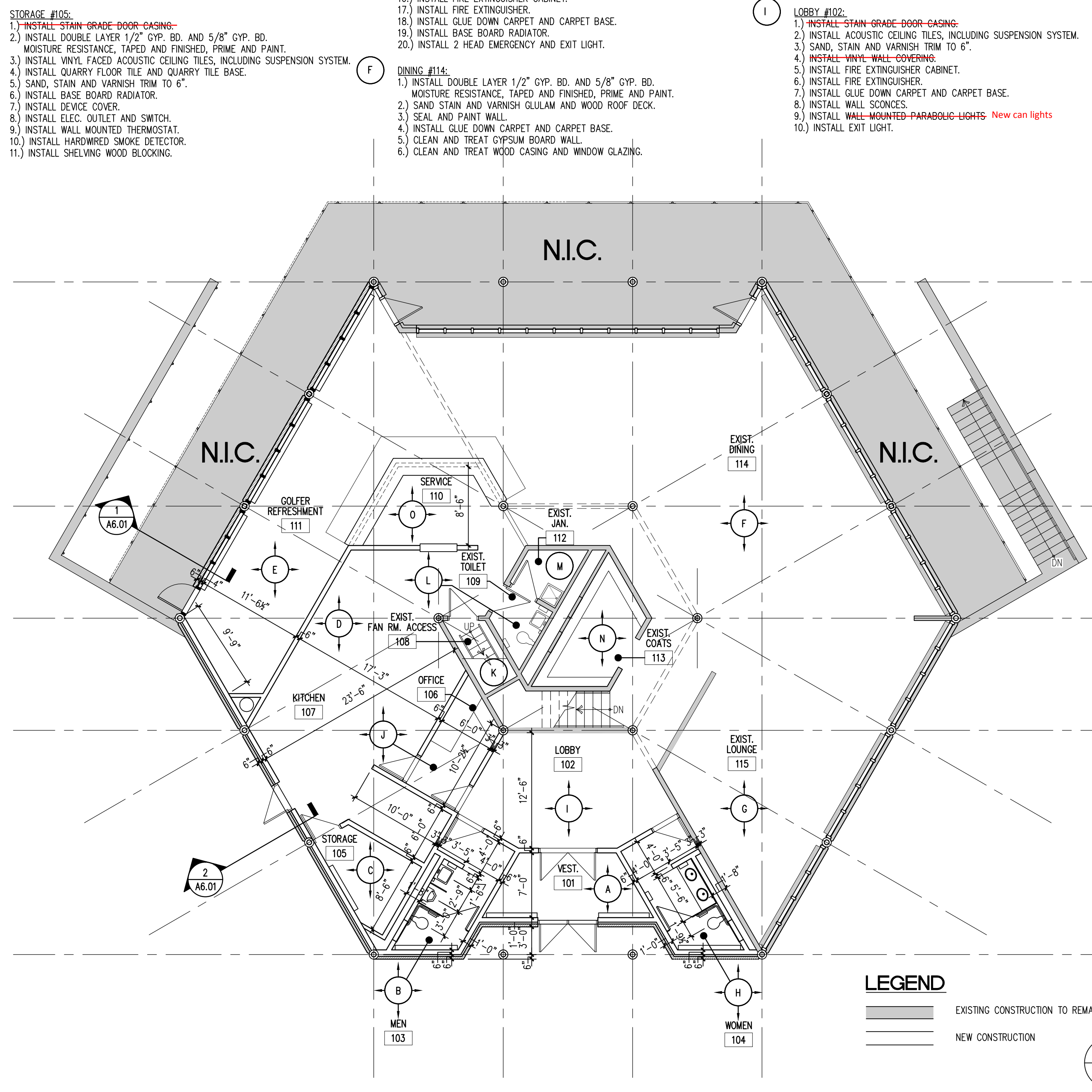
GENERAL DEMOLITION NOTES

- THIS DRAWING IS TO BE USED AS A GUIDE AND IS NOT INTENDED TO BE ALL INCLUSIVE OF REQUIRED DEMOLITION WORK. IN ADDITION TO DEMOLITION WORK SHOWN HEREIN, REMOVE ALL EXISTING WORK AS REQUIRED TO PERFORM NEW WORK REQUIRED BY CONTRACT. WORK TO BE DEMOLISHED SHALL BE REMOVED IN ITS ENTIRETY AND SHALL INCLUDE ALL RELATED COMPONENTS, SUPPORTS AND ATTACHMENTS.
- COORDINATE ALL DEMOLITION WORK WITH NEW WORK. VERIFY DIMENSIONS SHOWN ON DEMOLITION DRAWING.
- COORDINATE DEMOLITION WORK WITH APPROPRIATE UTILITY COMPANIES TO ENSURE THAT SERVICES ARE SHUT OFF PRIOR TO DEMOLITION.
- DEMOLITION WORK SHALL BE PERFORMED IN SUCH A MANNER SO AS TO MINIMIZE DAMAGE AND DISTURBANCE TO ADJACENT WORK SHOWN TO REMAIN. WHEN EXISTING FINISHES ARE DAMAGED, REPAIR TO EQUAL OR BETTER CONDITION THAN WAS FOUND.
- PROVIDE TEMPORARY SHORING AS REQUIRED TO SUPPORT ALL EXISTING WALLS AND STRUCTURAL COMPONENTS AFFECTED BY DEMOLITION WORK.

FLOOR PLAN DEMOLITION KEYNOTES:

- | # | REMOVE EXISTING DOOR AND FRAME. |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | REMOVE EXISTING DOOR, FRAME, AND HARDWARE. SALVAGE, CLEAN, AND REINSTALL. |
| 2 | REMOVE EXISTING FLOORING (TILE OR CARPET) DOWN TO EXISTING CONC. SLAB. |
| 3 | REMOVE EXISTING PLUMBING FIXTURE W/ BRACKETS AND ASSOCIATED COMPONENTS. SALVAGE, CLEAN, AND REINSTALL. |
| 4 | REMOVE EXISTING TOILET PARTITION AND DOOR. SALVAGE, CLEAN, AND REINSTALL. |
| 5 | REMOVE EXISTING MIRROR, TOILET PAPER HOLDER, TOWEL DISPENSER, SOAP DISPENSER, GARB. BARS, SANITARY NAPKIN RECEPTACLE, SANITARY NAPKIN DISPENSER, AND SOAP DISH. SALVAGE, CLEAN, AND REINSTALL. |
| 6 | REMOVE EXISTING CEILING TILES, SUSPENSION SYSTEM TO REMAIN. |
| 6a | REMOVE EXISTING CEILING TILES AND SUSPENSION SYSTEM IN ITS ENTIRETY. |
| 7 | REMOVE EXISTING URINAL SCREEN. SALVAGE, CLEAN, AND REINSTALL. |
| 8 | REMOVE EXISTING WALL TILE. |
| 9 | REMOVE EXISTING RANGE HOOD. SALVAGE, CLEAN, AND REINSTALL. |
| 10 | REMOVE EXISTING WINDOW AND RELATED TRIM. |
| 11 | REMOVE EXISTING WALL (FULL HEIGHT). |
| 12 | REMOVE EXISTING SINKS, SHELVING, PREP TABLE, BROILER, DEEP FRYER, GRIDDLE, GRILL, RANGE, STEAM TABLE, DISH WASHER W/ SINK, GARBAGE DISPOSAL AND TRAY TABLE, AND ICE MAKER. SALVAGE, CLEAN, AND REINSTALL. |
| 13 | REMOVE EXISTING PLASTIC LAMINATE COUNTER W/ SUPPORTS. |
| 14 | REMOVE EXISTING BASE BOARD RADIATOR. |
| 15 | REMOVE EXISTING SOFFIT ATTACHED CABINETS OVER BAR. SALVAGE, CLEAN, AND REINSTALL. |
| 16 | REMOVE EXISTING BACK BAR AND SHELVING UNITS. SALVAGE, CLEAN, AND REINSTALL. |
| 17 | EXISTING BAR TO REMAIN, INSTALL TEMPORARY BAR PROTECTION. |
| 18 | REMOVE EXISTING LIGHT FIXTURES. |
| 19 | REMOVE EXISTING FIRE EXTINGUISHER. SALVAGE, CLEAN, AND REINSTALL. |
| 20 | REMOVE EXISTING ANSUL SYSTEM. SALVAGE, CLEAN, AND REINSTALL. |
| 21 | REMOVE EXISTING WINDOW CASING, STOOL, APRON, HEAD CASING, JAMB EXTENSION, AND WINDOW MULLION. |

NOTE:
 FLOOR PLAN KEYNOTES TO BE USED AS A GUIDE AND ARE NOT INTENDED TO BE ALL INCLUSIVE OF SCOPE OF WORK TO BE DONE. REFER TO SUMMARY DETAIL REPORT & AREA-LOCATION-ITEM REPORT DATED AUG. 6, 2014 FOR ADDITIONAL INFORMATION.



2 FLOOR PLAN - UPPER LEVEL
 SCALE: 1/8" = 1'-0"

1 DEMOLITION PLAN - UPPER LEVEL
 SCALE: 1/8" = 1'-0"

LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION

LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED, OR REMOVE AND SALVAGE



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**CLUBHOUSE
 HUNTER MEMORIAL
 GOLF COURSE
 688 WESTFIELD ROAD
 MERIDEN, CT**

Desig. DC
 Drawn IAM
 Checked DC
 Approved DC
 Scale
 Project No. 1402584
 Date 12/16/2014
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REVISIONS
 No. Date
 Title
 DEMOLITION PLAN AND FLOOR PLAN, UPPER LEVEL
 Sheet No.

ROOF FLOOR PLAN KEYNOTES:

- 1 INSTALL COPPER GUTTER.
- 2 INSTALL 5" SQUARE LEAD COATED COPPER DOWNSPOUTS, AT EXISTING LOCATIONS.
- 3 INSTALL HIP WITH RIDGE CAP SHINGLE.
- 4 INSTALL PRE-FINISHED DRIP EDGE FLASHING, TYP.
- 5 INSTALL FLASHING AT ROOF TO WALL TRANSITION AS REQUIRED, TYP.

ROOF CONSTRUCTION TYPE

- ROOF CONSTRUCTION TYPE 1:
 - ARCHITECTURAL ASPHALT SHINGLES ON
 - FELT UNDERLAYMENT ON
 - ICE & WATER SHIELD ON
 - 1/2" EXTERIOR GRADE PLYWOOD SHEATHING ON
 - 2x2 WOOD NAILERS @ 24" O.C.
 - 1" STYRENE ROOF INSULATION.
 - T&G WOOD DECKING
- ROOF CONSTRUCTION TYPE 2:
 - ARCHITECTURAL ASPHALT SHINGLES ON
 - FELT UNDERLAYMENT ON
 - ICE & WATER SHIELD ON
 - EXISTING PLYWOOD SHEATHING ON
 - EXISTING 2x2 WOOD NAILER.
 - EXISTING STYRENE ROOF INSULATION.
 - EXISTING T&G WOOD DECKING

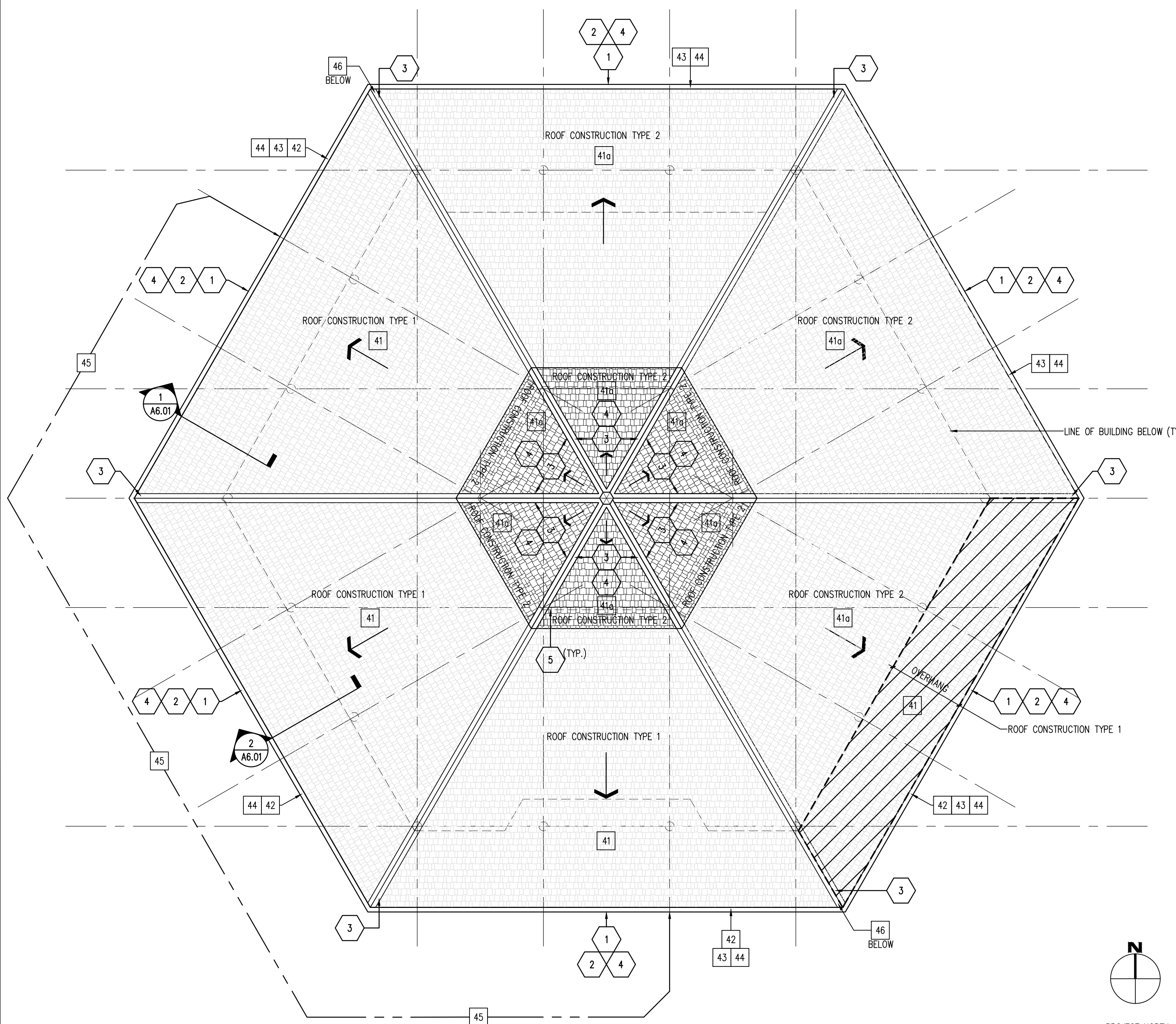
ROOF GENERAL NOTES

1. ALL NOTES AND DIMENSIONS DESIGNATED AS TYPICAL APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
2. CONTRACTOR TO FIELD VERIFY QUANTITY AND LOCATION OF PLUMBING VENTS & FLASH IN ACCORDANCE W/ MANUFACTURERS SPECIFICATIONS.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS. PROCEEDING WITH WORK CONSTITUTES ACCEPTANCE OF CONSTRUCTED CONDITIONS AS BEING SUBSTANTIALLY AS SHOWN.
4. ALL DRAIN LOCATIONS ARE TO BE COORDINATED BETWEEN ROOFING CONTRACTOR AND PLUMBING CONTRACTOR.
5. ALL WOOD BLOCKING USED IN ASSEMBLIES SHALL BE P.T. MATERIAL AND STAGGER ALL JOINTS A MINIMUM OF 24" (TYP).
6. PROVIDE FLASHING AND COUNTER FLASHING AT ALL ROOF PENETRATIONS.

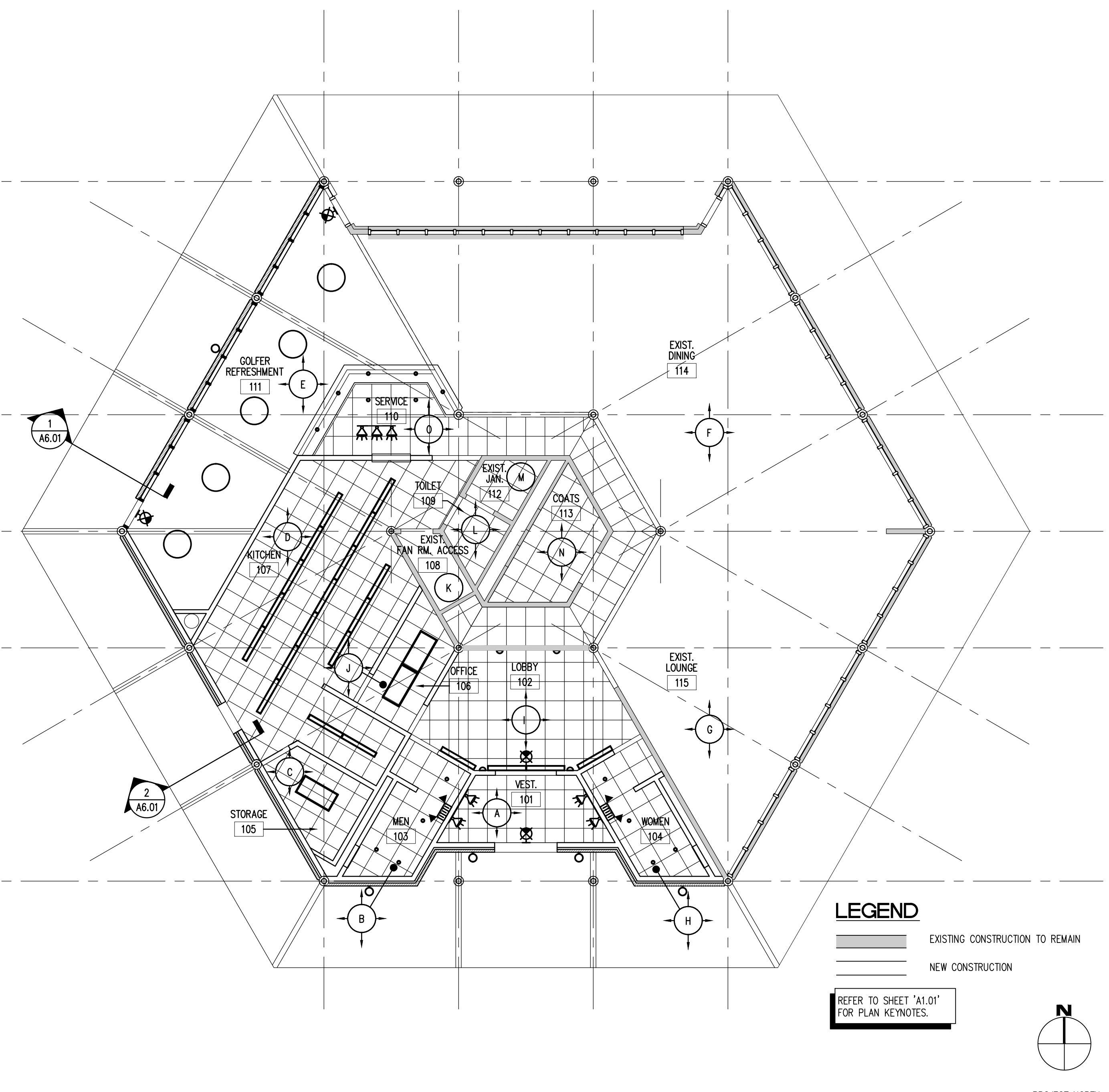
NOTE:
FLOOR PLAN KEYNOTES TO BE USED AS A GUIDE AND ARE NOT INTENDED TO BE ALL INCLUSIVE OF SCOPE OF WORK TO BE DONE. REFER TO SUMMARY DETAIL REPORT & AREA-LOCATION-ITEM REPORT DATED AUG. 6, 2014 FOR ADDITIONAL INFORMATION.

ROOF DEMOLITION KEYNOTES:

- 41 REMOVE EXISTING ROOF SHINGLES, UNDERLAYMENT, PLYWOOD SHEATHING, 2X2 FURRING, ROOF INSULATION, AND WOOD DECKING
- 41a REMOVE EXISTING ROOF SHINGLES AND UNDERLAYMENT ONLY. EXISTING PLYWOOD SHEATHING, 2X2 FURRING, ROOF INSULATION, AND WOOD DECKING TO REMAIN.
- 42 REMOVE EXISTING FASCIA BOARD.
- 43 REMOVE EXISTING GUTTER AND DOWNSPOUTS.
- 44 REMOVE EXISTING MTL. DRIP EDGE.
- 45 REMOVE EXISTING GLULAM. BEAM (SEE STRUCT. DWGS)
- 46 EXISTING GLULAM BEAM TO REMAIN (SEE STRUCT. DWGS)



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



1 REFLECTED CEILING PLAN - UPPER LEVEL
SCALE: 1/8" = 1'-0"

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Title REFLECTED CEILING PLAN AND ROOF PLAN, UPPER LEVEL
Sheet No.

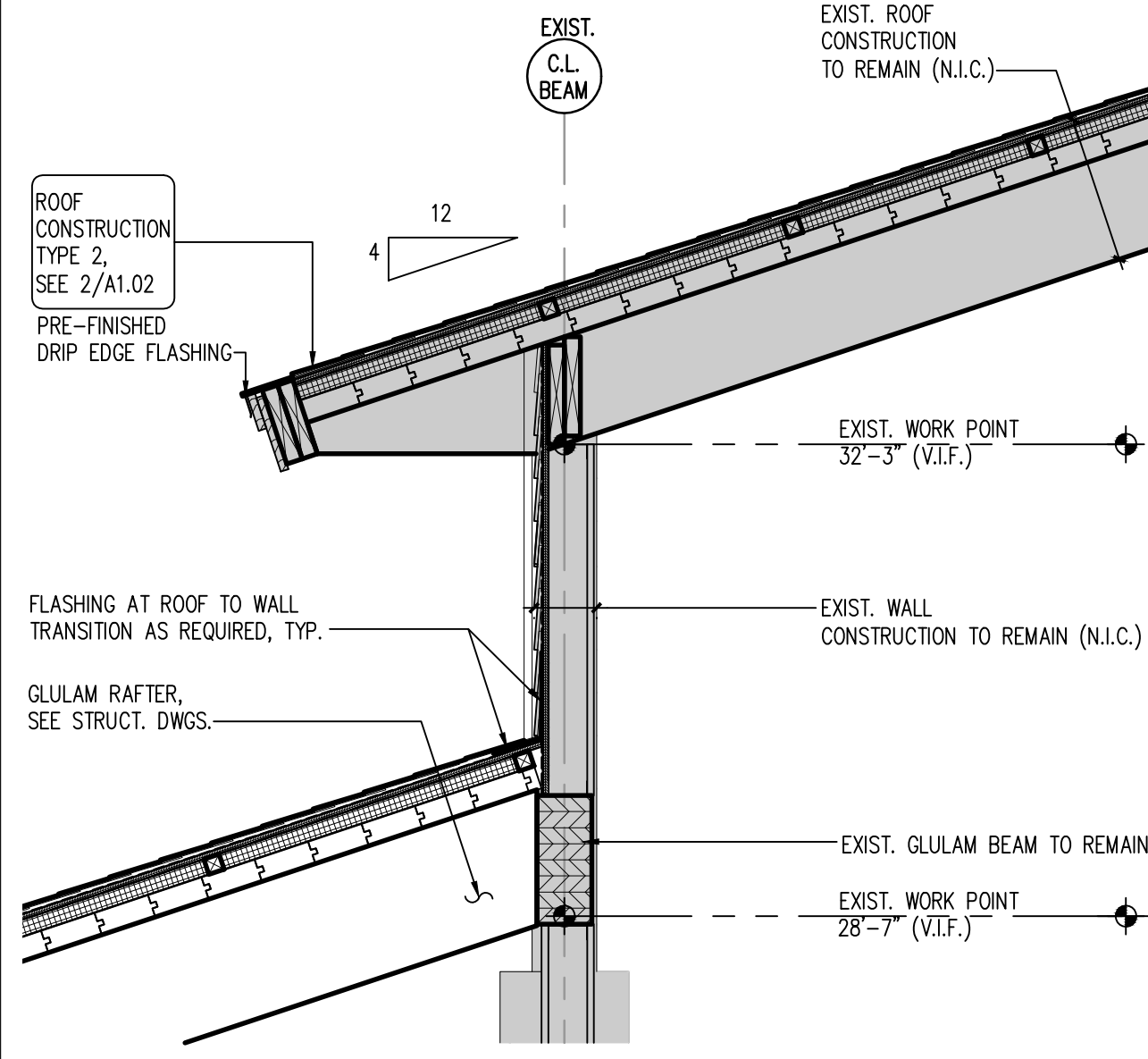
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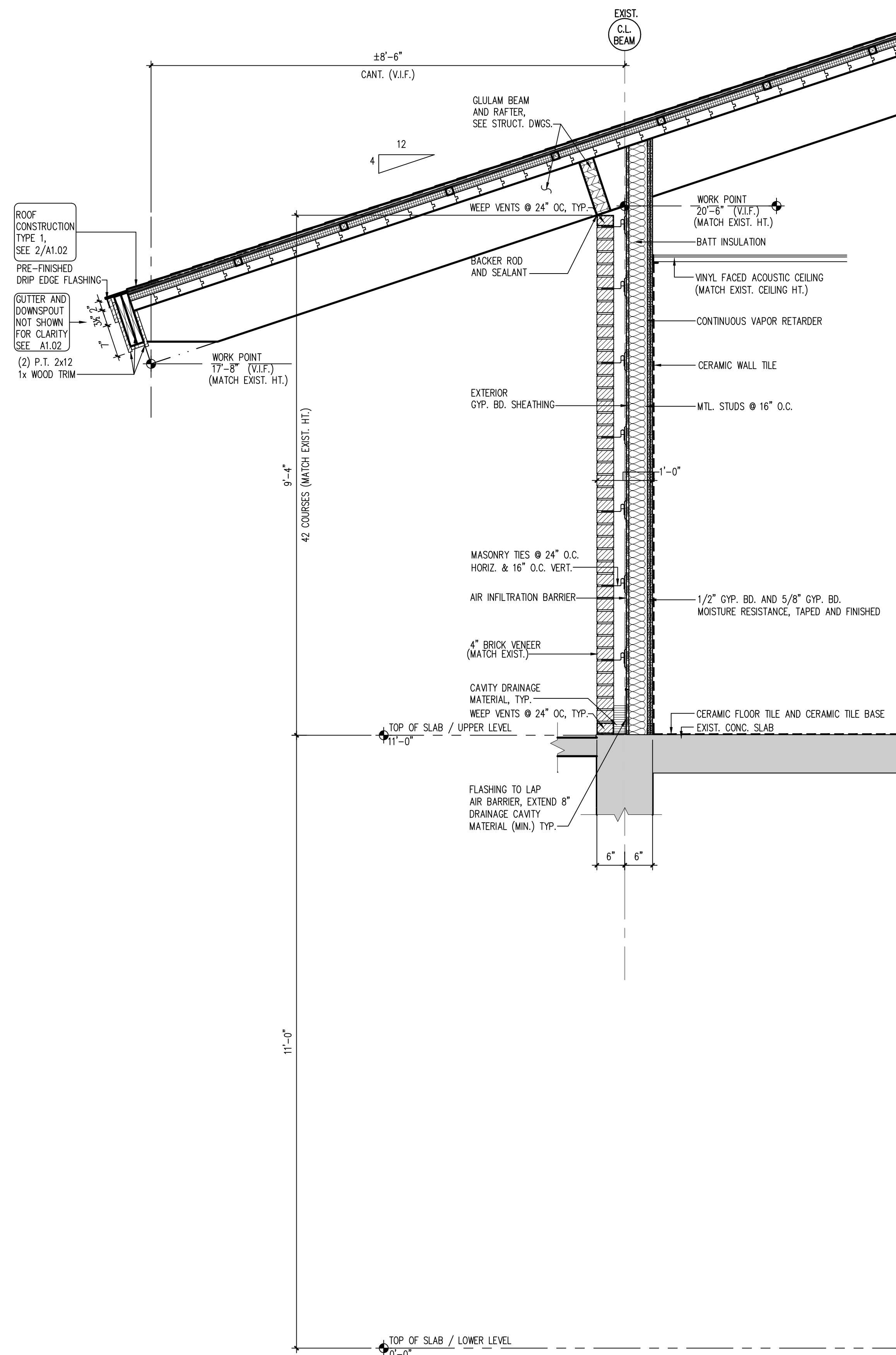
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Approved
Scale
Project No. 1402584
Date 12/16/2014
CAD File: A1402584-601

Title
WALL SECTIONS

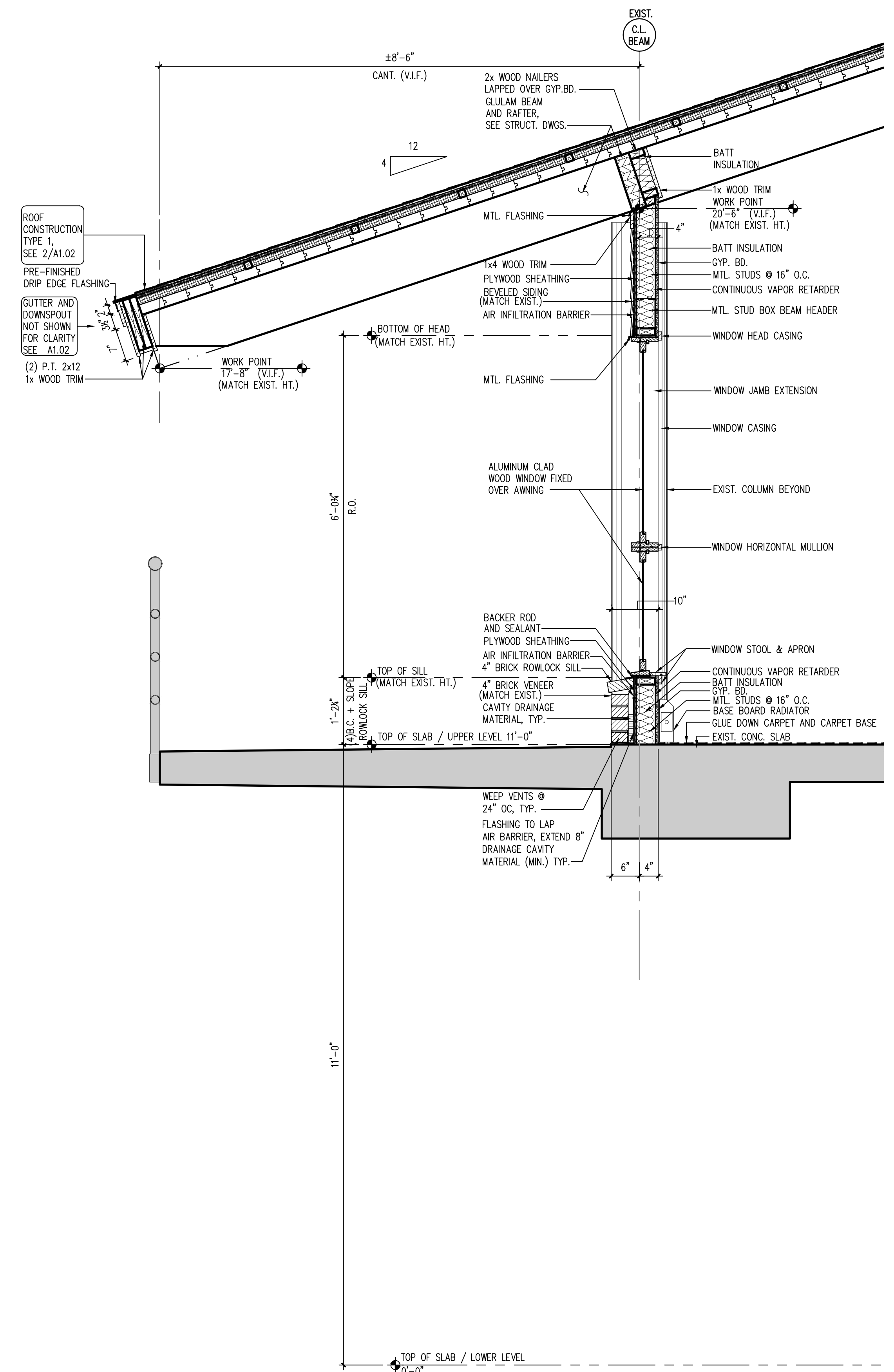
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3 WALL SECTION
SCALE: 1/8" = 1'-0"



2 WALL SECTION
SCALE: 1/8" = 1'-0"



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

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ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE).		THERMOSTAT FURNISHED BY DIV. 15, INSTALLED AND WIRED BY DIV. 16		CONTROL WIRING.
	DOUBLE DUPLEX RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE).		CALL FOR ASSISTANCE PULL CORD.		LINE VOLTAGE WIRING.
	QUAD RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE).		CALL FOR ASSISTANCE LIGHT/ BUZZER.		HOME RUN.
	DEDICATED DUPLEX RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE).		TRANSFORMER.		TELEPHONE OUTLET.
	DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTER. (18" A.F.F. UNLESS NOTED OTHERWISE)		SURFACE MOUNTED PANEL BOARD		DATA OUTLET.
	WEATHER PROOF DUPLEX RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE)		RECESSED MOUNTED PANEL BOARD		COMBINATION TELEPHONE/DATA OUTLET.
	DUPLEX RECEPTACLE. (10" ABOVE COUNTER UNLESS NOTED OTHERWISE).		WALL MOUNTED SCONCE		COMBINATION TELEPHONE/DATA BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
	208 VOLT, 2 POLE, RECEPTACLE AMP RATING AS SHOWN ON PLAN. (18" A.F.F. UNLESS NOTED OTHERWISE)		WALL MOUNTED FLUORESCENT FIXTURE		CABLE CONNECTION.
	208 VOLT, 3 POLE, RECEPTACLE AMP RATING AS SHOWN ON PLAN. (18" A.F.F. UNLESS NOTED OTHERWISE)		RECESSED MOUNTED FLUORESCENT TROFFER		MANUAL PULL STATION
	DUPLEX RECEPTACLE. (FLOOR MOUNTED).		RECESSED DOWNLIGHT		COMBINATION AUDIBLE AND VISUAL ALARM DEVICE
	QUAD RECEPTACLE. (FLOOR MOUNTED).		WALL MOUNTED TRACK LIGHT		AUDIBLE ALARM DEVICE
	DEDICATED DUPLEX RECEPTACLE. (FLOOR MOUNTED).		WALL MOUNTED EXIT SIGN		VISUAL ALARM DEVICE
	208 VOLT, 2 POLE, RECEPTACLE AMP RATING AS SHOWN ON PLAN. (FLOOR MOUNTED)		SINGLE POLE TOGGLE SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE)		SMOKE DETECTOR
	208 VOLT, 3 POLE, RECEPTACLE AMP RATING AS SHOWN ON PLAN. (FLOOR MOUNTED)		THREE WAY TOGGLE SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE).		ELEVATOR RECALL SMOKE DETECTOR
	SURFACE RACEWAY.		THREE WAY TOGGLE SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE).		FIXED TEMPERATURE HEAT DETECTOR
	JUNCTION BOX		OCCUPANCY SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE).		DUCT SMOKE DETECTOR - SUPPLY
	JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT		DIMMING SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE).		DUCT SMOKE DETECTOR - RETURN
	HEAVY DUTY DISCONNECT SWITCH (NON-FUSED)		3 WAY DIMMING SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE).		FLOW SWITCH
	WEATHER PROOF HEAVY DUTY FUSED DISCONNECT SWITCH		CEILING MOUNT OCCUPANCY SWITCH.		PRESSURE SWITCH
	MAGNETIC MOTOR STARTER		DAYLIGHT HARVESTING PHOTOCELL.		TAMPER SWITCH
	MOTOR		UNIVERSAL VOLTAGE POWER PACK.		FIRE ALARM CONTROL PANEL
	MOTORIZED DAMPER, PROVIDED BY DIV. 15, WIRED BY DIV. 16		TIME CLOCK.		FIRE ALARM ANNUNCIATOR.

NOTE:
NOT ALL SYMBOLS MAY APPEAR ON THE DRAWINGS.

ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AND SHALL CONFORM IN ALL ASPECTS TO THE NATIONAL ELECTRICAL CODE (NFPA CODES & LOCAL BUILDING CODES).
- ALL PERMITS, LICENSES AND CERTIFICATES COVERING THE COMPLETE INSTALLATION OF THE ELECTRICAL WORK SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
- ALL CORE-BORING, BACKFILLING AND RESURFACING REQUIRED FOR THE ELECTRICAL WORK SHALL BE PROVIDED BY THE GENERAL CONTRACTOR (G.C.).
- ALL CUTTING PATCHING AND REFINISHING OF WALLS, FLOORS & CEILINGS REQUIRED FOR THE ELECTRICAL WORK SHALL BE PROVIDED FOR BY THE GENERAL CONTRACTOR.
- THESE DRAWINGS ARE DIAGRAMATIC ONLY; EXACT LOCATIONS OF ALL CONDUIT, ETC. MUST BE FIELD DETERMINED AND RUN TO AVOID OBSTRUCTIONS AND MECHANICAL EQUIPMENT.
- UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE SHALL BE #12 AWG, THWN OR THHN COPPER; MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE SPECIFIED 20A, 120V BRANCH CIRCUIT WIRING SHALL BE #12, #12G.
- ALL WIRING SHALL BE CONCEALED AND RUN IN WALLS OR ABOVE CEILINGS. WIRE MOLDING AND EXPOSED CONDUIT IS NOT PERMITTED.
- WORK NOT INCLUDED IN CONTRACT ("N.I.C."); ANY WIRING OR EQUIPMENT NOT TO BE FURNISHED BY CONTRACTOR SHALL BE INDICATED ON PLANS AS N.I.C.
- SITE VISITATION - PRIOR TO SUBMITTING A BID FOR HIS WORK, THE CONTRACTOR SHALL VISIT THE SITE TO INSPECT THE NATURE AND EXTENT OF THE EXISTING CONDITIONS AND EQUIPMENT, AND DETERMINE HOW THEY WILL AFFECT THE INSTALLATION OF ELECTRICAL WORK. NO ADDITIONAL PAYMENT IN EXCESS OF THE CONTRACT PRICE WILL BE AUTHORIZED FOR "EXTRA" WORK PERFORMED DUE TO EXISTING CONDITIONS WHICH ARE OBVIOUS UPON INSPECTION.
- ALLOWANCES ARE TO BE INCLUDED FOR UNFORESEEN CONDITIONS THAT MAY AFFECT THE CONTRACTOR'S SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THIS DESIGN ARE TO BE INCLUDED IN THAT ALLOWANCE.
- METAL CLAD CABLE, "MC CABLE" IS ACCEPTABLE ON THIS PROJECT AND MAY BE USED AS APPROVED BY NEC, WHERE RUN CONCEALED IN WALLS ABOVE CEILINGS OR IN BASEMENTS.
- ALL UNUSED CONDUIT AND WIRING SHALL BE DROPPED TO THE FLOOR BY THE ELECTRICIAN FOR REMOVAL FROM THE BUILDING BY THE CONTRACTOR.
- ALL EQUIPMENT AND DEVICES SHALL BE NEW & BEAR U.L. LABEL. ALL DEVICES SHALL BE "SPECIFICATION" GRADE.
- WORKMANSHIP; ONLY THE BEST IN WORKMANSHIP IN ACCORDANCE WITH PRESENT STANDARDS WILL BE ACCEPTABLE. ANY WORK INSTALLED AND ADJUDGED BY THE ENGINEER TO BE BELOW STANDARDS SHALL BE TAKEN OUT AND REPLACED WITH PROPERLY DONE WORK AT CONTRACTOR'S EXPENSE.
- GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WIRING TO BE FREE FROM INHERENT MECHANICAL AND ELECTRICAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION OF PROJECT. ALL DEFECTS SHALL BE REPAIRED, DURING THIS PERIOD, AT NO CHARGE TO OWNER (MISUSE OR ABUSE CAUSED PROBLEMS EXCEPTED).
- SUBSTITUTIONS OF EQUIPMENT; SPECIFIED PRODUCTS SHALL BE USED AS THE BASIS OF BID AND SHALL BE PROVIDED; WHERE 2 OR MORE MANUFACTURERS ARE LISTED, THE CHOICE IS AT THE CONTRACTOR'S OPTION. AN APPROVED EQUAL SHALL BE DETERMINED BY ENGINEER.
- ALL HOME RUNS GREATER THAN 75' SHALL BE #10 WIRE MINIMUM.
- CONTRACTOR SHALL FIELD VERIFY NAMEPLATE LOADS OF ALL EQUIPMENT (MECHANICAL AND OWNER SUPPLIED) TO INSURE PROPER WIRE SIZING AND OVERCURRENT PROTECTION AND SHALL NOTIFY ENGINEER OF DISCREPANCIES.
- CONTRACTOR SHALL SEAL ALL ELECTRICAL PENETRATIONS THRU FIRE RATED PARTITIONS WITH FIRE RATED MATERIAL EQUAL TO DOW CORNING SILICONE RTV FOAM AS A MINIMUM. MATERIAL SELECTION SHALL BE BASED ON RATING OF PARTITION PENETRATED.
- ALL SUPPLEMENTARY STEEL REQUIRED FOR ELECTRICAL WORK SHALL BE PROVIDED BY THE CONTRACTOR.
- WHERE NOTED ON DRAWINGS OR WHERE CONTRACTOR ELECTS TO GROUP CIRCUITS PER ONE NEUTRAL THEY SHALL SIZE NEUTRAL AS FOLLOWS:
 - #10 NEUTRAL PER TWO CIRCUITS
 - #8 NEUTRAL PER THREE CIRCUITS
- PROVIDE INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS AND CABLE ASSEMBLIES AS NECESSARY TO COMPLY WITH NEC.
- BRANCH CIRCUITS SHOWN WITH TWO GROUND CONDUCTORS SHALL HAVE ONE EQUIPMENT GROUND CONDUCTOR (GREEN) AND ONE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIPE) INSTALLED IN RACEWAY.
- ALL EMPTY CONDUITS FOR FUTURE WORK SHALL BE PROVIDED WITH A PULL WIRE.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND ANY OTHER EQUIPMENT INSTALLED TO THE CEILING SYSTEM. VERIFY EXACT MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF PLUMBING AND MECHANICAL INSTALLATION. CONDUIT RUNS TO BE THROUGH OR ABOVE TRUSSES WHERE POSSIBLE.
- ELECTRICAL CONTRACTOR TO COORDINATE EXACT PLACEMENT OF ALL DEVICES SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT.
- ALL WIRE IN CEILING MUST BE PLENUM RATED.
- NO TELEPHONE WIRE SHALL BE RUN EXPOSED ON BASEBOARDS OR WALLS.
- WIRING FOR LOW VOLTAGE SYSTEMS SHALL BE RUN CONCEALED WITHIN WALLS AND ABOVE CEILINGS.
- PANEL DIRECTORIES SHALL BE COMPLETELY FILLED IN AT COMPLETION OF JOB.
- CONTRACTOR MUST PRODUCE A LETTER ATTESTING THAT WORK HAS BEEN COMPLETED TO THE SATISFACTION OF THE BUILDING MANAGER WHO WILL CONFIRM HIS ACCEPTANCE BY AFFIXING HIS SIGNATURE TO THE LETTER IN A SPACE PROVIDED FOR THIS PURPOSE. WORK WILL NOT BE CONSIDERED AS BEING COMPLETE WITHOUT THIS LETTER.
- HANGING OF LIGHT FIXTURES IS TO BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL BUILDING CODES AND SEISMIC REQUIREMENTS.
- AT THE COMPLETION OF THE JOB, IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO TURN OVER TO THE BUILDING MANAGER AN AS-BUILT-DRAWING IN REPRODUCIBLE FORM. THIS DRAWING DOES NOT HAVE TO BE MADE FROM SCRATCH; THE CONTRACT REFLECTED CEILING AND POWER PLANS MAY BE USED AS BACKGROUNDS WITH THE ACTUAL CIRCUITING CHANGES ADDED.
- PRIOR TO THE CONTRACTOR BEING RELEASED FROM ALL OBLIGATIONS, HE WILL OBTAIN AND TURN OVER TO THE BUILDING MANAGER THE ORIGINAL COPY OF THE "CERTIFICATE OF ELECTRICAL INSPECTION".
- COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF EQUIPMENT AND DEVICES WITH ARCHITECT.

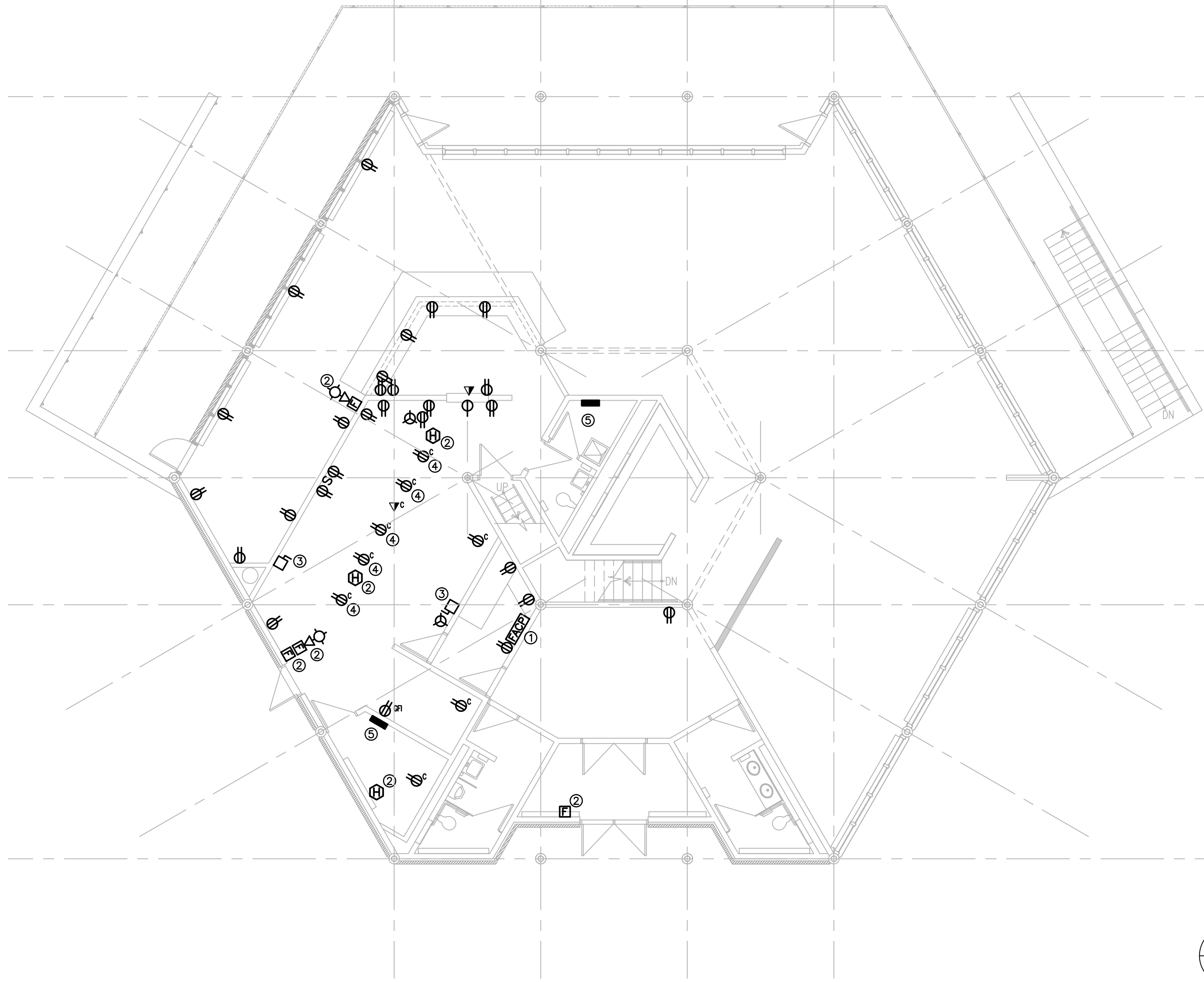
ELECTRICAL ABBREVIATIONS

A OR AMP	AMPERES	HOA	HANDS-OFF AUTOMATIC SWITCH	P	POLE
AAC	ABOVE ACCESSIBLE CEILING	HP	HORSEPOWER	PB	PULL BOX
AC	ALTERNATING CURRENT	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	PC	PULL CHAIN
ACT	ABOVE COUNTER TOP	IG	ISOLATED GROUND	PE	PNEUMATIC ELECTRIC SWITCH
AF	ABOVE FINISHED FLOOR	IMC	INTERMEDIATE METALLIC CONDUIT	PH	PHASE
AFG	ABOVE FINISHED GRADE	JB	JUNCTION BOX	P/T	POTENTIAL TRANSFORMER
AHJ	AUTHORITY HAVING JURISDICTION	KCMIL	1000 CIRCULAR MILS	PVC	POLYVINYL CHLORIDE
AHU	AIR HANDLING UNIT.	KV	KILOVOLTS (1000 VOLTS)	RGS	RIGID GALVANIZED STEEL
AI	INTERRUPTING CAPACITY (RMS SYMMETRICAL AMPERES)	KVA	KILOVOLT AMPERES (1000 VOLT-AMPERES)	RMC	RIGID METALLIC CONDUIT
ATS	AUTOMATIC TRANSFER SWITCH	KW	KILOWATTS (1000 WATTS)	RTU	ROOFTOP UNIT
BFG	BELOW FINISHED GRADE	LRA	LOCKED ROTOR AMPS	SW	SWITCH
BKBD	BACKBOARD	MCA	MINIMUM CIRCUIT AMPS	SWBD	SWITCHBOARD
C OR COND	CONDUIT	MCB	MAIN CIRCUIT BREAKER	TEL	TELEPHONE
C/T	CURRENT TRANSFORMER	MCC	MOTOR CONTROL CENTER	TYP	TYPICAL
CB, C/B	CIRCUIT BREAKER	MCM	THOUSAND CIRCULAR MILS	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
CFA	CALL FOR ASSISTANCE	MD	MOTORIZED DAMPER	UF	UNDERFLOOR
CLG	CEILING	MDP	MAIN DISTRIBUTION PANEL	UG	UNDERGROUND
CPT	CURRENT POTENTIAL TRANS.	MFR, MFTR	MANUFACTURER	UL	UNDERWRITERS LABORATORIES
CU	CONDENSING UNIT	MH	MECHANICALLY HELD	UP	UP
DC	DIRECT CURRENT	MIC	MICROPHONE	UTP	UNSHIELDED TWISTED PAIR
DISC. SW	DISCONNECT SWITCH	MLO	MAIN LUGS ONLY	V	VOLTS
DN	DOWN	MO	MOTOR OPERATED	VP	VAPORPROOF
EO	ELECTRICALLY OPERATED	MTD	MOUNTED	VSD	VARIABLE SPEED DRIVE
EDH	ELECTRIC DUCT HEATER	MUA, MAU	MAKE-UP AIR UNIT	VFD	VARIABLE FREQUENCY DRIVE
EF	EXHAUST FAN	NC	NORMALLY CLOSED	W/	WITH
EM	EMERGENCY	NEC	NATIONAL ELECTRIC CODE	WP	WEATHERPROOF
EP	ELECTRIC PNEUMATIC SWITCH	NF	NOT FUSED	XFMR, TXFMR	TRANSFORMER
ETR, E	EXISTING TO REMAIN	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	EXISTING ELECTRICAL EQUIPMENT ABBREVIATIONS	
EUH	ELECTRIC UNIT HEATER	NIC	NOT IN CONTRACT	EX	EXISTING TO REMAIN.
EW	ELECTRIC WATER COOLER	NL	NIGHT LIGHT	RE	REMOVE EXISTING.
EWH	ELECTRIC WALL HEATER	NO	NORMALLY OPEN	RL	RELOCATE EXISTING.
FA	FIRE ALARM	NTS	NOT TO SCALE	NL	NEW LOCATION OF EXISTING RELOCATED.
FACP	FIRE ALARM CONTROL PANEL	OC	OCCUPANCY SENSOR	NR	NEW TO REPLACE EXISTING.
FCU	FAN COIL UNIT.	OC	OCCUPANCY SENSOR	RR	REMOVE AND REPLACE ON NEW SURFACE.
FLA	FULL LOAD AMPS	G, GND	GROUND		
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER				
G, GND	GROUND				

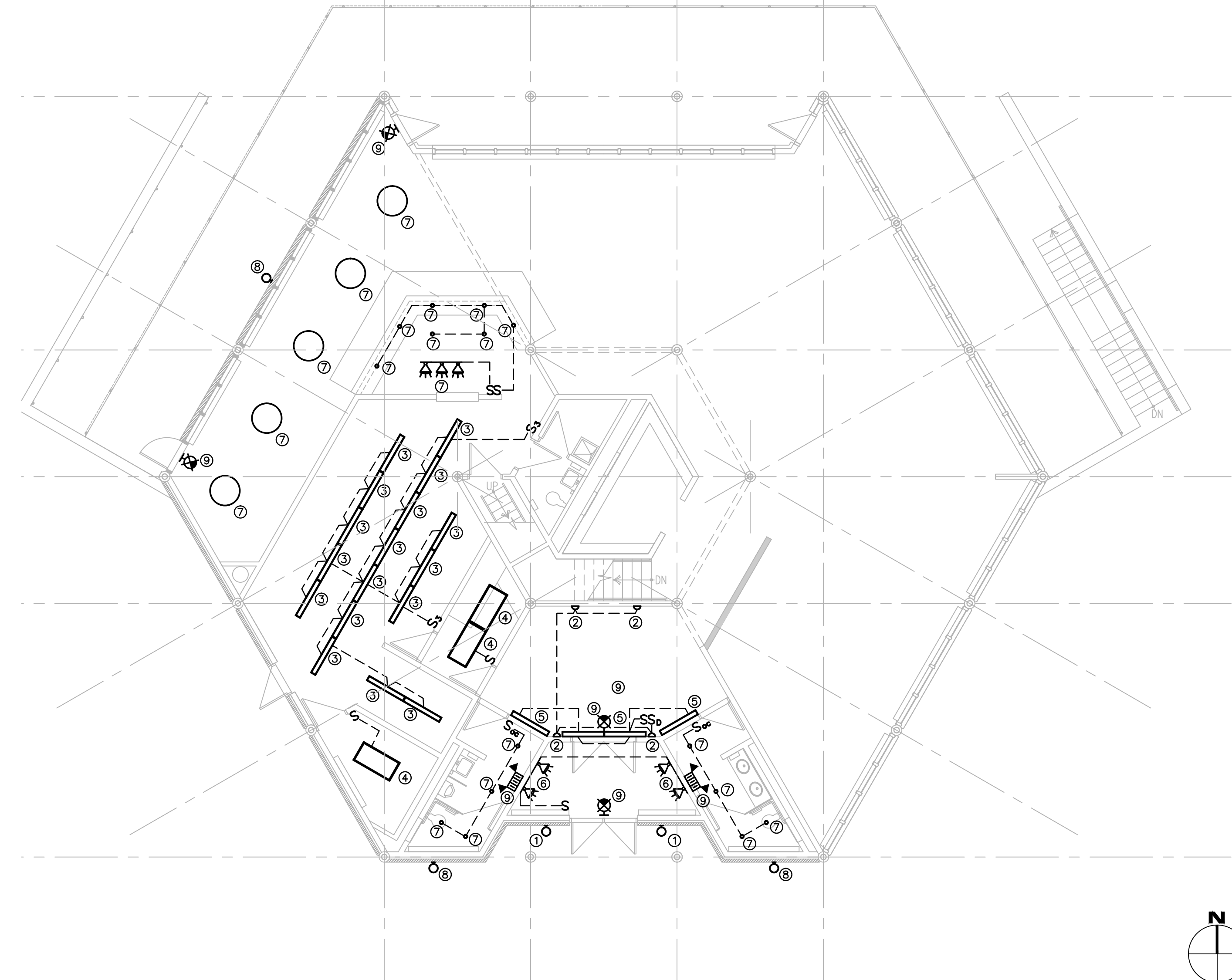
NOTE:
NOT ALL ABBREVIATIONS MAY APPEAR ON THE DRAWINGS.

ELECTRICAL GENERAL DEMOLITION NOTES

- VISIT AND INSPECT THE JOB SITE PRIOR TO BIDDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. INCLUDE THE COST OF THE WORK REQUIRED TO ACCOMMODATE THE EXISTING CONDITIONS IN THE BID PROPOSAL.
- THE INTENT OF THE WORK IS TO REMOVE, REPLACE OR RELOCATE ALL ELECTRICAL DEVICES, WIRING AND EQUIPMENT INCLUDING FIRE ALARM, LIGHTING AND SOUND SYSTEMS AND TELECOM AS REQUIRED BY THE NEW ARCHITECTURAL WORK AND AS SHOWN ON THE DRAWINGS. NOT ALL DEVICES ARE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ARCHITECTURAL DRAWINGS AND PROVIDING MISCELLANEOUS REMOVALS AND RELOCATION AS REQUIRED BY THAT WORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF BUILDING DEMOLITION WORK. REFER TO REFLECTED CEILING PLAN FOR EXTENT OF CEILING REMOVALS AND REPLACEMENTS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR EXTENT OF WALL RENOVATIONS, PATCHING AND FINISH.
- DEMOLITION WORK SHOWN ON THESE DRAWINGS IS BASED ON LIMITED FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO ARCHITECT/ENGINEER BEFORE DISTURBING EXISTING INSTALLATION. THESE DRAWINGS SHOW EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE.
- UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT AND DEVICES SHOWN HATCHED OR WITH DASHED LINE, INCLUDING RELATED CONDUIT AND WIRE, BACK TO SOURCE OF SUPPLY OR NEXT DEVICE OUT OF DEMOLITION AREA. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DEVICES AND FIXTURES NOT REMOVED DURING DEMOLITION.
- ALL CONDUITS/WIRING RUNNING THRU DEMOLITION AREA SERVING EXISTING TENANTS THAT ARE TO REMAIN SHALL REMAIN AS IS UNLESS OTHERWISE NOTED.



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



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

POWER KEY NOTES:

- 1 PROVIDE NEW FIRE ALARM CONTROL PANEL IN EXISTING LOCATION. ALL CONDUIT AND WIRING TO DEVICES SHALL REMAIN AND BE REUSED.
- 2 EXISTING FIRE ALARM DEVICE TO BE REMOVED AND REPLACED IN LIKE KIND IN SAME LOCATION. DEVICES SHALL BE BY THE SAME MANUFACTURER.
- 3 EXISTING DISCONNECT SWITCH TO BE REUSED.
- 4 EXISTING CEILING MOUNTED RECEPTACLES SHALL BE REMOVED COMPLETE BACK TO SOURCE PANEL.
- 5 EXISTING ELECTRICAL PANEL SHALL REMAIN.

GENERAL POWER NOTES:

1. ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO N.E.C. ARTICLES 110 AND 384. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE OR BLOCK ACCESS TO EQUIPMENT, DATA PLATES, ACCESS PANELS OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
2. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT AND OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
3. UNLESS NOTED OTHERWISE, ALL NEW HOMERUNS REQUIRED ARE 3/4"C., 2#12, 1#12G. TO SPARE OR NEW 20A-1P C/B IN PANEL LISTED.
4. UNLESS NOTED OTHERWISE, ALL POWER WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT. MINIMUM POWER WIRING SHALL BE 3/4"C., 2#12 & 1#12G. MINIMUM CONTROL WIRING SHALL BE 3/4"C., 2#14.
5. COORDINATE WITH MECHANICAL PLANS FOR FINAL LOCATION OF ALL DEVICES MOUNTED ON OR IN THE VICINITY OF THE MECHANICAL WORK.
6. ALL OUTLETS LOCATED WITHIN SIX (6) FEET OF A SINK OR A WATER SOURCE SHALL BE GROUND FAULT PROTECTED.
7. HATCHED AREA ON PLANS IN FRONT OF ELECTRICAL PANELS INDICATE REQUIRED WORKING SPACE.
8. EXISTING RECEPTACLES, SWITCHES AND ASSOCIATED COVER PLATES SHOWN ON THIS PLAN SHALL BE REMOVED. REPLACE RECEPTACLES, SWITCHES AND COVER PLATES WITH NEW OF LIKE KIND IN SAME LOCATIONS. EXISTING WIRING AND CIRCUITING SHALL BE REUSED.

LIGHTING KEY NOTES:

- 1 EXISTING EXTERIOR CARRIAGE WALL SCONCES (2) ARE TO BE REMOVED, STORED, INSPECTED, CLEANED AND RE-INSTALLED IN SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 2 WALL SCONCES (4) IN LOBBY ARE TO BE REPLACED IN LIKE KIND TO EXISTING SCONCES AND ARE TO BE INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 3 SURFACE MOUNTED LIGHT FIXTURES (17) IN THE KITCHEN AREA ARE TO BE REPLACED IN LIKE KIND TO EXISTING FIXTURES AND INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 4 RECESSED 2'X4' FLUORESCENT LIGHT FIXTURES (3) ARE TO BE REPLACED IN LIKE KIND TO EXISTING FIXTURES AND INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 5 WALL MOUNTED FLUORESCENT BAFFLE FIXTURES (3) ARE TO BE REPLACED IN LIKE KIND TO EXISTING FIXTURES AND INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 6 LIGHT TRACK AND TRACK HEADS (2) ARE TO BE REPLACED IN LIKE KIND TO EXISTING FIXTURES AND INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 7 EXISTING LIGHT FIXTURES ARE TO BE REMOVED, CLEANED AND RE-INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 8 WALL MOUNTED AREA LIGHTS (3) ARE TO BE REPLACED IN LIKE KIND TO EXISTING FIXTURES AND INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- 9 EXIT SIGNS AND EMERGENCY LIGHTS ARE TO BE REMOVED, CLEANED AND RE-INSTALLED IN THE SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.

GENERAL LIGHTING NOTES:

1. ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO N.E.C. ARTICLES 110 AND 384. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE OR BLOCK ACCESS TO EQUIPMENT, DATA PLATES, ACCESS PANELS OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
2. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. EXISTING CONDUIT AND WIRING SHALL REMAIN AND EXISTING CIRCUITS SHALL BE REUSED. VERIFY ALL MOUNTING HEIGHTS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
3. UNLESS NOTED OTHERWISE, ALL NEW HOMERUNS REQUIRED ARE 3/4"C., 2#12, 1#12G. TO SPARE OR NEW 20A-1P C/B IN PANEL LISTED.
4. UNLESS NOTED OTHERWISE, ALL WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT. MINIMUM WIRING SHALL BE 3/4"C., 2#12, 1#12G.
5. CONNECT EXIT SIGNS AND EMERGENCY LIGHTS SHOWN TO LOCAL NIGHT LIGHT CIRCUIT.
6. EXISTING LIGHT SWITCHES AND ASSOCIATED COVER PLATES SHOWN ON THIS PLAN SHALL BE REMOVED. REPLACE SWITCHES AND COVER PLATES WITH NEW OF LIKE KIND IN SAME LOCATIONS. EXISTING WIRING AND CIRCUITING SHALL BE REUSED.

REVISIONS	
No.	Date

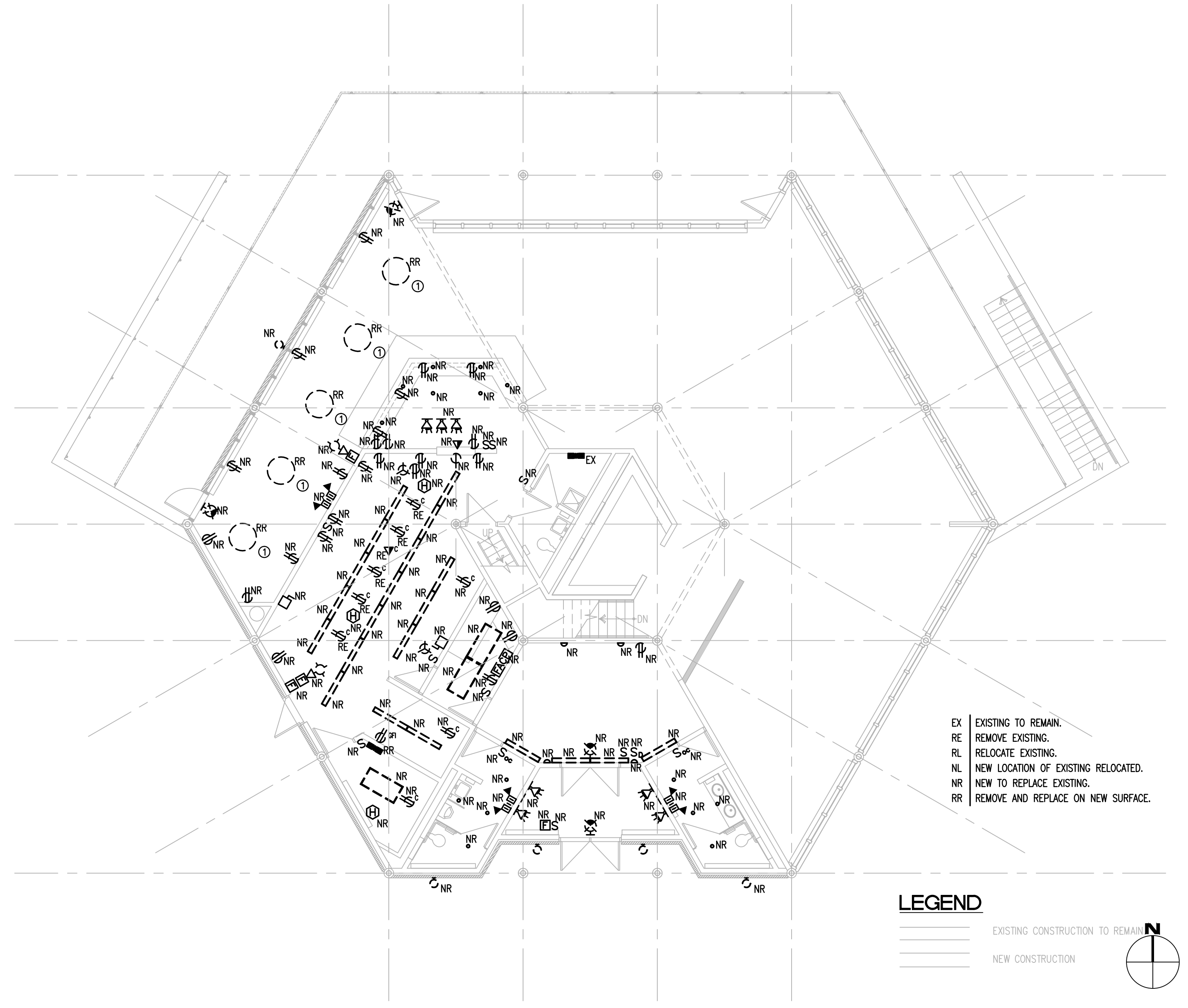
Designed: GK
Drawn: GK
Checked: SC
Approved: JK
Scale: 1/8" = 1'-0"
Project No.: 14022584
Date: 12/16/2014
CAD File: E14022584-101

Title:
**FIRST FLOOR
ELECTRICAL PLANS**

Sheet No.:

ELECTRICAL DEMOLITION KEY NOTES:

- ① EXISTING HANGING CHANDELIER FIXTURES ARE TO BE REMOVED, STORED, INSPECTED, CLEANED AND RE-INSTALLED IN SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.
- ② EXISTING SURFACE MOUNTED KITCHEN FIXTURES ARE TO BE REMOVED, STORED, INSPECTED, CLEANED AND RE-INSTALLED IN SAME LOCATION. EXISTING CIRCUITING TO BE REUSED.



EX EXISTING TO REMAIN.
RE REMOVE EXISTING.
RL RELOCATE EXISTING.
NL NEW LOCATION OF EXISTING RELOCATED.
NR NEW TO REPLACE EXISTING.
RR REMOVE AND REPLACE ON NEW SURFACE.

LEGEND

 --- EXISTING CONSTRUCTION TO REMAIN
 ——— NEW CONSTRUCTION
 PROJECT NORTH

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

REVISIONS	
No.	Date

Designed	GK
Drawn	GK
Checked	SC
Approved	JK
Scale	
Project No.	14022584
Date	12/16/2014
CAD File:	ED14022584-101
Title	FIRST FLOOR ELECTRICAL EXISTING CONDITIONS PLAN
Sheet No.	

MECHANICAL NOTES

- 1. REFER TO BOTH ARCHITECTURAL ELECTRICAL AND PLUMBING DEMOLITION DRAWINGS FOR COMPLETE SCOPE OF WORK. TAKE CAUTION IN DEMOLITION OF MECHANICAL EQUIPMENT. ALL MECHANICAL INSTALLATIONS SHALL COMPLY WITH LOCAL AND STATE CODES.
- 2. CONTRACTOR SHALL REMOVE ALL PIPING/DUCTWORK AND EQUIPMENT INDICATED ON DRAWINGS INCLUDING ALL HANGERS, PLENUM WALLS, DAMPERS, WIREMOLD, WIRING CONTROLS, T'STATS, ETC. ASSOCIATED W/ EACH PIECE OF EQUIPMENT. MECHANICAL EQUIPMENT SHALL NOT BE ABANDONED IN PLACE.
- 3. WHERE EXISTING ITEMS PENETRATE A WALL, ROOF & FLOOR CONTRACTOR SHALL PROVIDE IN-PLACE PENETRATIONS THROUGH WALL/ROOF W/ LIKE MATERIALS. REFER TO ARCHITECTURAL PLANS FOR WALL, FLOOR TYPES. PATCH & REPAIR TO MATCH SURROUNDING SURFACES INCLUDING PAINT.
- 4. WHERE INDICATED, DUCTWORK AND PIPING OR PORTIONS OF DUCTWORK AND PIPING SHALL BE REUSED. REFER TO DRAWINGS PLANS FOR POINTS OF CONNECTIONS. FIELD VERIFY EXISTING CONDITIONS.
- 5. ALL PIPE, DUCT AND/OR EQUIPMENT TO BE DEMOLISHED IS MARKED WITH AN "X" OR AS NOTED.
- 6. PROTECT EXISTING FINISHES, FLOORS, SURFACES, CEILING TILES, CEILING GRID, ETC. DURING THE DEMOLITION PROCESS. REINSTALL CEILING GRID AND TILES OR REPLACE AND REINSTALL CEILING GRID AND TILES IF DAMAGED AND REPAIR OTHER DAMAGED SURFACES PRIOR TO COMPLETION OF WORK.
- 7. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO TRACE ALL EXISTING AND RELATED DUCT, PIPING AND CONTROL SYSTEMS IN WORK AREAS AND OUTSIDE AREAS PRIOR TO WORK.
- 8. COORDINATE EXACT LOCATION OF ALL NEW EQUIPMENT WITH ARCHITECT'S FINISHED CEILING PLAN, SPRINKLER PIPING AND ELECTRICAL CONDUITS. ALSO, CONTRACTOR SHALL COORDINATE WITH OWNER SUPPLIED AND INSTALLED EQUIPMENT. NO EXTRAS SHALL BE AWARDED FOR REVISIONS CAUSED BY LACK OF COORDINATION.
- 9. EXACT CONDITIONS TO BE VERIFIED IN THE FIELD DUE TO AREAS/DUCTS BEING INACCESSIBLE. DESIGN WAS BASED ON EXISTING DESIGN DRAWINGS AND LIMITED SURVEY. CONTRACTOR SHALL VISIT THE SITE TO VERIFY THE CONSTRUCTION CONDITIONS BEFORE SUBMITTING BID AND FABRICATION.
- 10. DRAWINGS ARE DIAGRAMMATIC, THEREFORE DETERMINE EXACT LOCATIONS OF SYSTEMS/COMPONENTS IN FIELD USING FIELD CONDITIONS.
- 11. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND FOLLOWING OWNERS RULES AND STANDARDS PRIOR TO BID, WORK AND COMPLETION OF PROJECT.
- 12. ALL EXISTING EQUIPMENT AND NEW EQUIPMENT, DUCTS AND PIPING PENETRATING THE NEW FIRE RATED WALLS TO BE FIRE SEALED.
- 13. EXISTING EQUIPMENT NOTED TO BE REFURBISHED TO WORKING ORDER.
- 14. CONTRACTOR SHALL ROUTE DUCTWORK WITHIN THE CEILING SPACE AS HIGH AS POSSIBLE TO MAINTAIN MAXIMUM CLEARANCE ALLOWABLE.
- 15. PIPING LAYOUTS ARE SCHEMATIC. FIELD COORDINATE ALL PIPE RUNS. (PRIOR TO PIPE INSTALLATION) NO EXTRAS SHALL BE AWARDED FOR PIPE REVISIONS CAUSED BY LACK OF COORDINATION.
- 16. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF CHILLED WATER SHUT DOWN, VERIFYING FLOW DIRECTION OF EXISTING PIPING AND THE LABOR AND MATERIALS FOR THE DRAINING, FILLING, VENTING AND START-UP OF SYSTEM.

ABBREVIATIONS

(NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS)

A	Amps, Ampere	KWH	Kilowatt - Hour
ABS	Above	L	Length
ABC	Above Counter	LAT	Leaving Air Temperature
ADV	Above	LAT	Latent (BTU)
A/C	Air Conditioner	LB	Pounds (Weight)
AC	Alternating Current	LN FT	Linear Foot
ADJ	Adjacent	LTG	Lighting
AF	Amp Frame	LWT	Leaving Water Temperature
AFF	Above Finish Floor	MA	Mill Amps
AFG	Above Finish Grade	MAX	Maximum
AHU	Air Handling Unit	MBTUH	Thousand British Thermal Unit Per Hour
AIC	Amperes Interrupting Capacity	MCB	Main Circuit Breaker
AMB	Ambient	MCC	Motor Control Center
AT	Amp Trip	MCF	Thousand Cubic Feet
AUX	Auxiliary, Auxiliaries	MCM	Thousand Circular Mils
AV	Audio Visual	MECH	Mechanical
BLDG	Building	MIC	Microphone
BTU	British Thermal Unit	MIN	Minimum
BTUH	British Thermal Unit Per Hour	MISC	Miscellaneous
C	Conduit	MTD	Mounted
CAT	Catalogue	MTG	Mounting
CB	Circuit Breaker	MTL	Metal
CD	Condensate Drain	MTR	Motor
CFM	Cubic Feet Per Hour	MTRZD	Motorized
CFM	Cubic Feet Per Minute	MVD	Manual Volume Damper
CHR	Chilled Water Return	N	Neutral
CHS	Chilled Water Supply	NA	Not Applicable
CI	Cast Iron	NC	Normally Closed
CKT	Circuit	NEC	National Electrical Code
CLG	Ceiling	NEMA	National Electrical Manufacturers Association
CO	Clean Out	NFPA	National Fire Protection Association
COL	Column	NIC	Not In Contract
COMM	Communication	NO	Normally Open
CONC	Concrete	NO	Number
CONN	Connect	OA	Outside Air
CONST	Construction	OBD	Opposed Blade Damper
CONT	Continuous	OC	On Center
CONTR	Contractor	OD	Outside Diameter
COP	Coefficient Of Performance	ODS	Overflow Downspout
CR	Card Reader	OZ	Ounce
CT	Cooling Tower	P	Poles
CT	Current Transformer	PE	Photo-Electric
CU	Condensing Unit	PD	Pressure Drop
CVO	Cold Water Valved Opening	PERF	Perforated
CW	Cold Water	PF	Power Factor
CWR	Condenser Water Return	PH	Phase
CWS	Condenser Water Supply	PLBG	Plumbing
D	Depth	PNL	Panel
DB	Dry Bulb	PSI	Pounds Per Square Inch
DC	Direct Current	PSIA	Pounds Per Square Inch--Absolute
DFU	Drainage Fixture Units	PSIG	Pounds Per Square Inch--Gauge
DIA	Diameter	PVC	Polyvinyl Chloride
DIFF	Diffuser	PR	Power
DN	Down	QTY	Quantity
DS	Downspout	R/A	Return Air
DTL	Detail	RCP	Reflected Ceiling Plan
DWG	Drawing	RCP	Reinforced Concrete Pipe
EA	Each	REC	Receptacle
EAT	Entering Air Temperature	REF	Reference
EC	Electrical Contractor	REFR	Refrigerator
EDH	Electric Duct Heater	REQD	Required
EER	Energy Efficiency Ratio	RLA	Running Load Amps
EL	Elevation	RM	Room
ELEC	Electrical	RMS	Root Mean Squared
ELEV	Elevator	RPM	Revolutions Per Minute
EMER	Emergency	RQMT	Requirement
EQ	Equal	RT	Rainlight
EQUIP	Equipment	RTU	Roof Top Unit
ESP	External Static Pressure	SA	Supply Air
EWT	Entering Water Temperature	SD	Storm Drain
EXH	Exhaust	SEER	Seasonal Energy Efficiency Ratio
EXIST	Existing	SENS	Sensible (BTU)
EXP	Expansion	SFU	Supply Fixture Units
°F	Degrees Fahrenheit	SHT	Sheet
FA	Fire Alarm	SHT MTL	Sheet Metal
FA	Free Area	SP	Static Pressure
FCU	Fan Coil Unit	SPECS	Specifications
FD	Fire Damper	SPKR	Speaker
FD	Floor Drain	SQ	Square
FDR	Feeder	SQFT	Square Feet
FF	Finish Floor	SS, SAN	Sanitary Sewer
FXT	Fixture	SSC	Short Circuit Current
FL	Flow Line	STD	Standard
FLUOR	Fluorescent	SURF	Surface
FN	Full Neutral	SW	Switch
FB	From Above	SWBD	Switchboard
FPB	Fan Powered VAV Terminal Unit	SWGR	Switchgear
FS	Fused Switch	SYM	Symmetrical
FT	Feet	T-STAT	Thermostat
F/A	From Above	TC	Timeclock
F/B	From Below	TELE	Telephone
G	Ground	TOT	Total (BTU)
GA	Gauge	TIB	Telephone Terminal Board
GAL	Gallons	TYP	Typical
GALV	Galvanized	UF	Underfloor
GCR	General Contractor	UON	Unless Otherwise Noted
GEN	Generator	V	Vacuum
GFI	Ground Fault Interrupter	V	Volt
GFI	Ground Fault Circuit Interrupter	VA	Volt-Amps
GPH	Gallons Per Hour	VA	Valve
GPM	Gallons Per Minute	VAV	Variable Air Volume
H	Height	VENTIL	Ventilation
HD	Head	VERT	Vertical
HORIZ	Horizontal	VPO	Vent Plugged Opening
HP	Horsepower	VT	Vent
HTG	Heating	VTR	Vent Thru The Roof
HVAC	Heating, Ventilation, & Air Conditioning	VV	Variable Volume Terminal Unit
HWC	Hot Water Recirculation (Domestic)	W	Watts
HWR	Hot Water Return	W	Width
HWS	Hot Water Supply	WB	Wet Bulb
IG	Insulated Ground	WH	Water Heater
IN	Inches	WP	Weatherproof
IN WC	Inches Water Column	WPO	Waste Plugged Opening
INCAND	Incandescent	WT	Weight
KA	Kilampers	XFMR	Transformer
KVA	Kilovolt Amperes	Y	WYE
KW	Kilowatt		

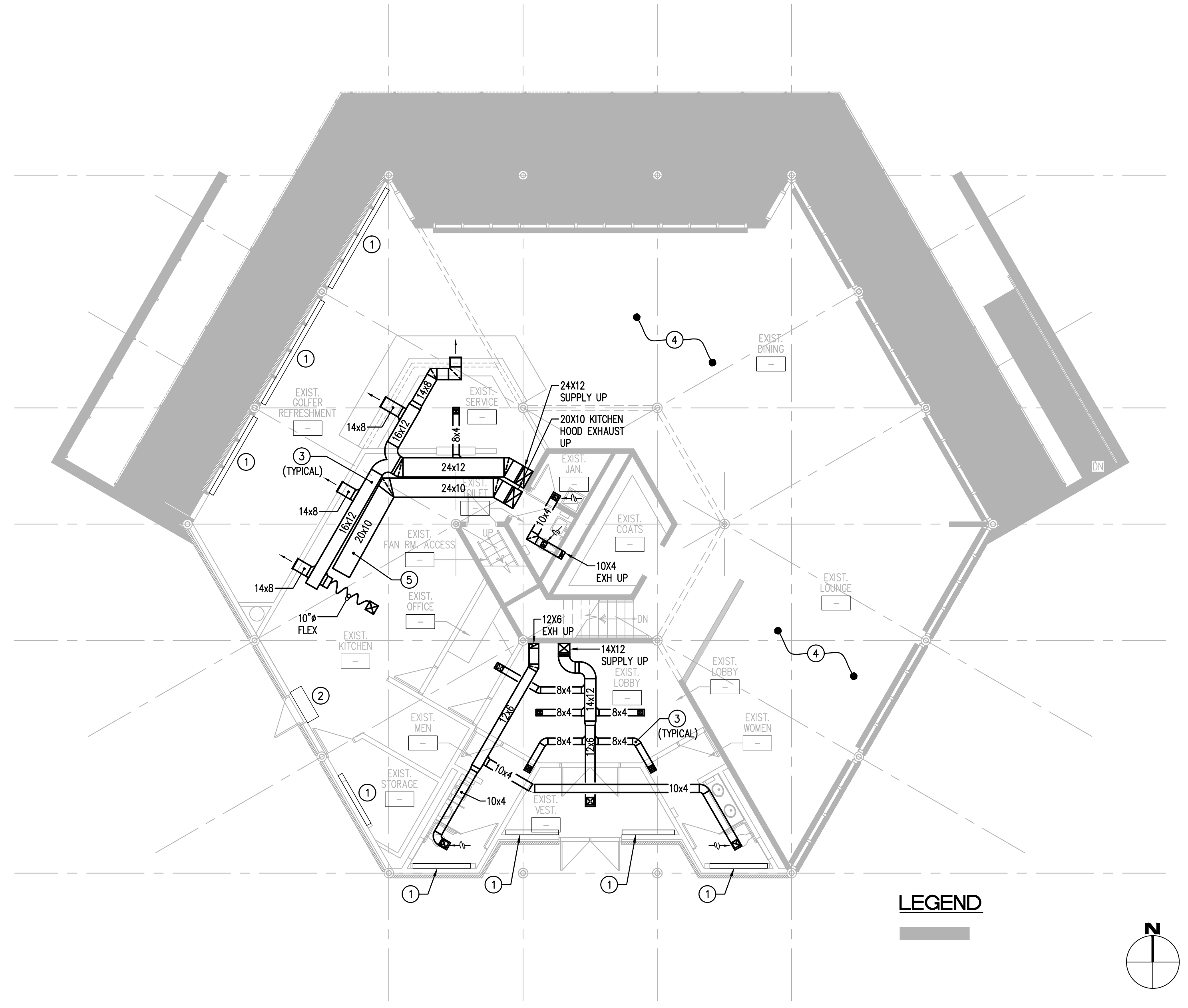
HVAC LEGEND

(NOTE: ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

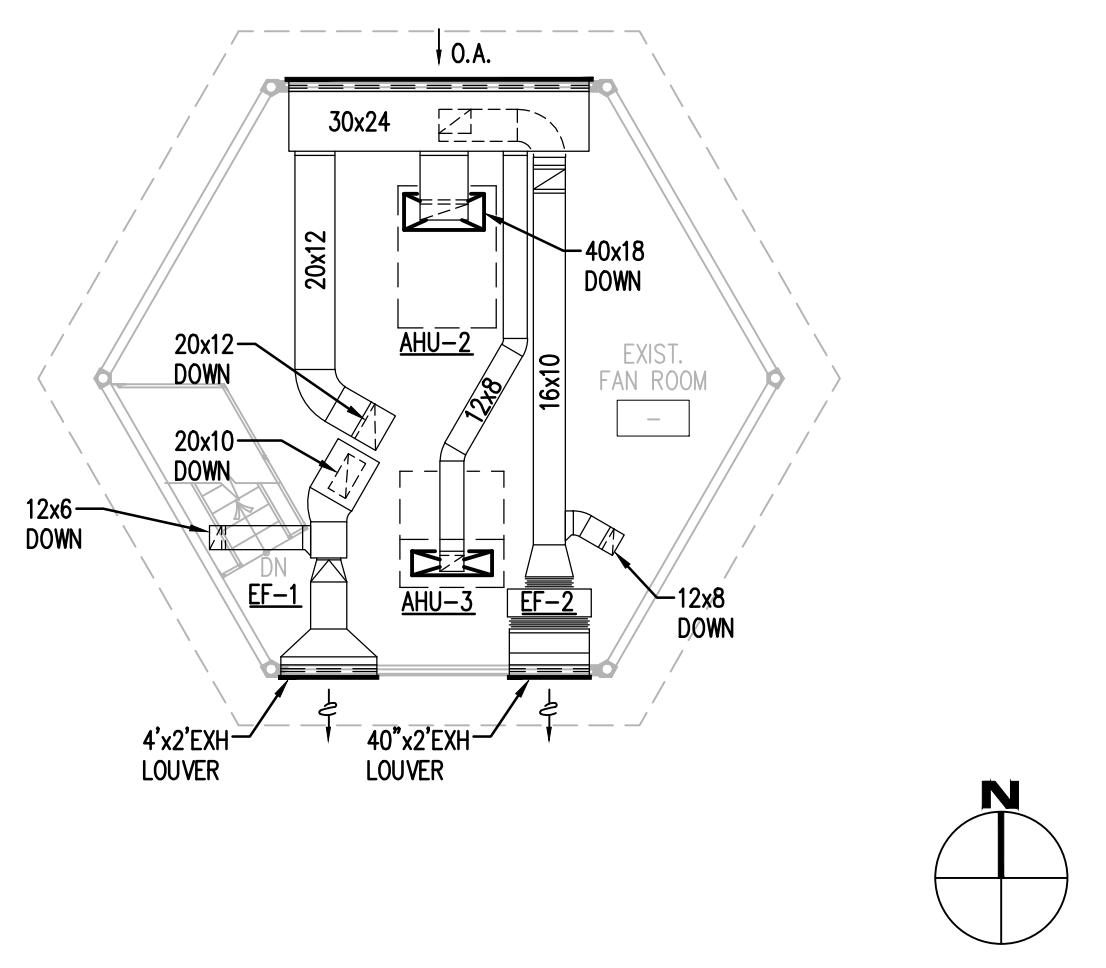
SINGLE LINE	DESCRIPTION	DOUBLE LINE
	90° ELBOW DOWN	
	90° ELBOW UP	
	ROUND RADIUS ELBOW	
	45° ELBOW	
	90° ELBOW DOWN	
	90° ELBOW UP	
	RECTANGULAR RADIUS ELBOW	
	RECTANGULAR ELBOW WITH TURNING VANES	
	BRANCH TAKE-OFF WITH RADIUS HEEL & EXTRACTOR	
	REDUCER, ECCENTRIC	
	REDUCER, CONCENTRIC	
	NEW SUPPLY AIR DIFFUSER	
	EXISTING SUPPLY AIR GRILLE	
	NEW RETURN GRILLE	
	LINED DUCTWORK	
	SUPPLY DUCT	
	RETURN DUCT	
	EXHAUST DUCT	
	ROUND DUCT SIZE	
	FLEXIBLE DUCT CONNECTION	
	EXISTING DUCT	
	NEW DUCT	
	REMOVE EXISTING DUCTWORK	
	MANUAL VOLUME DAMPER	
	MOTORIZED DAMPER	
	BAROMETRIC DAMPER	
	DIRECTION OF RETURN AIR	
	SUPPLY AIR DIRECTION	
	THERMOSTAT, REMOTE SENSOR	
	POINT OF CONNECTION	
	POINT OF DISCONNECTION	
	MOTOR	
	EXISTING TO REMAIN	

MECHANICAL KEY NOTES:

- ① RADIATOR TO BE REINSTALLED
- ② DAYTON AIR CURTAIN CABINET MODEL 6E825A TO BE REMOVED AND CLEANED, AND STORED.
- ③ INSTALL NEW DUCTWORK AND NEW INSULATION TO MATCH EXISTING LAYOUT AND SIZES.
- ④ NO WORK TO BE DONE IN THIS AREA.
- ⑤ KITCHEN EXHAUST DUCK TO BE REINSTALLED.



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



2 CLUBHOUSE MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

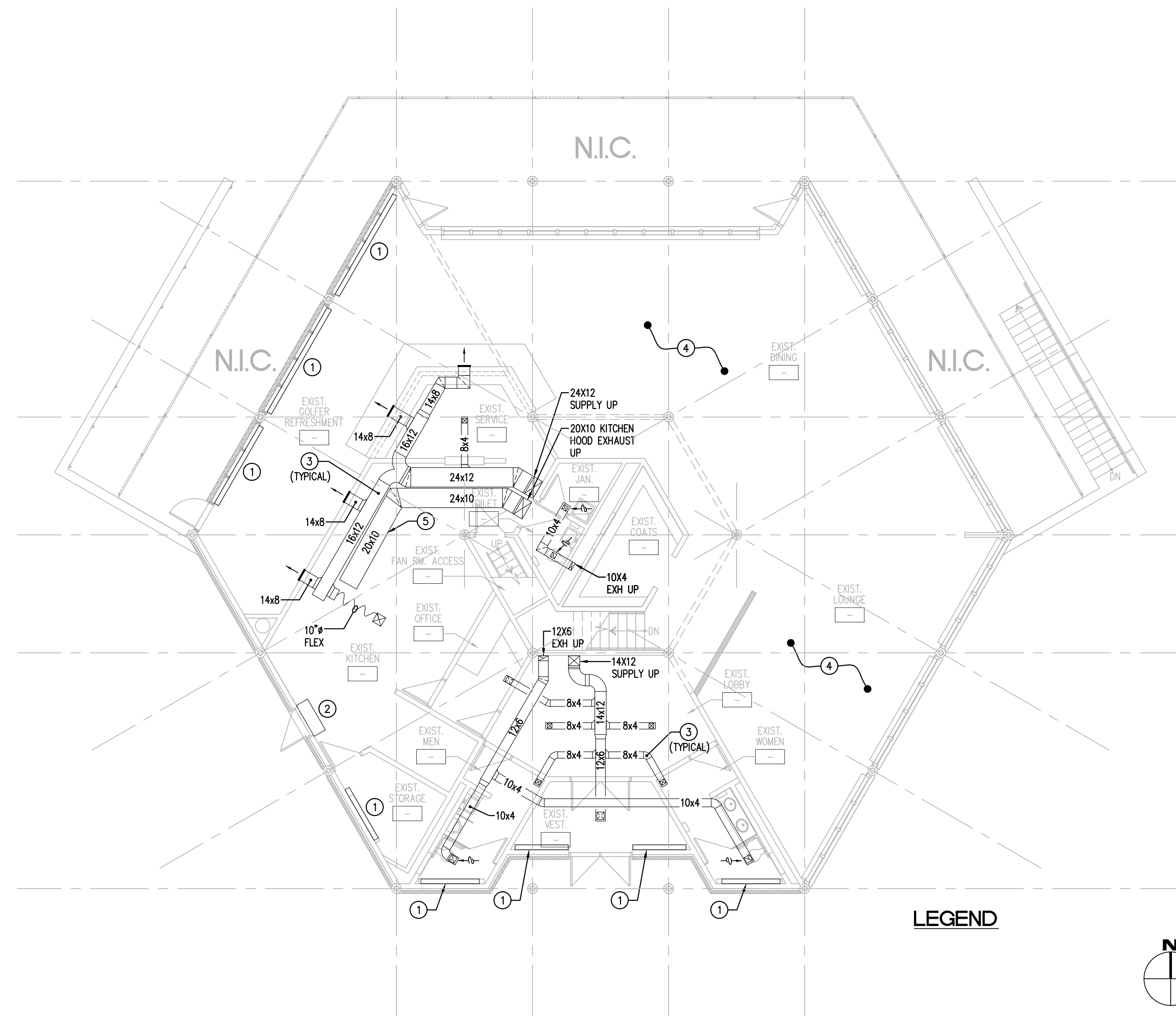
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Designed	SP
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Checked	JK
Approved	JK
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Project No.	1402584
Date	12/16/2014
CAD File:	M1402584-101

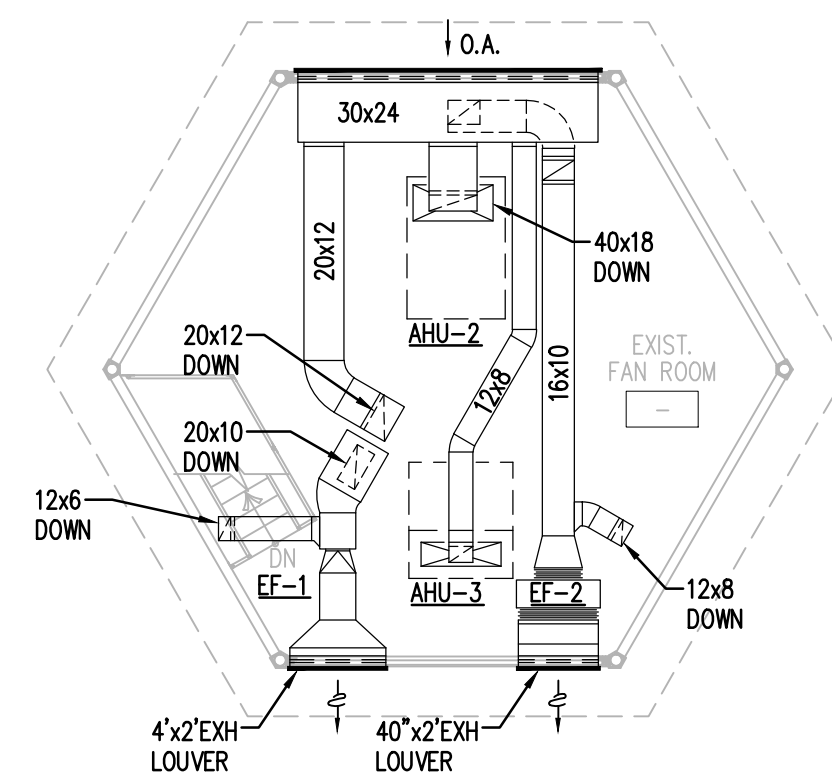
Title	MECHANICAL FLOOR PLANS
Sheet No.	

MECHANICAL DEMOLITION KEY NOTES:

- ① RADIATOR TO BE REMOVED, CLEANED & STORED.
- ② DAYTON AIR CURTAIN CABINET MODEL 6E825A TO BE REMOVED AND CLEANED, AND STORED.
- ③ REMOVE SUPPLY AND EXHAUST DUCTWORK.
- ④ NO WORK TO BE DONE IN THIS AREA.
- ⑤ KITCHEN HOOD EXHAUST DUCTWORK TO BE REMOVED, CLEANED AND STORED.



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



② CLUBHOUSE MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

REVISIONS	
No.	Date

Designed	SP
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Approved	JK
Scale	
Project No.	1402584
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CAD File:	MD1402584-101
Title	MECHANICAL DEMOLITION FLOOR PLANS
Sheet No.	

WOOD NOTES

CARPENTRY NOTES—
WALLS SHOWN ARE BELOW FRAMING LEVEL AT FLOOR AND ROOF FRAMING PLANS.
VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
SEE ARCHITECTURAL DRAWINGS FOR WALLS AND DIMENSIONS NOT SHOWN OR NOTED.
VERIFY PLATE AND FRAMING ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPES, ELEVATION, AND DRAINAGE.
NOTCHED AND/OR CUT JOISTS ARE NOT ALLOWED. VERIFY ALL JOIST OPENINGS WITH STRUCTURAL ENGINEER PRIOR TO STARTING WORK.
WOOD CONSTRUCTION SHALL BE PER AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) STANDARDS AND SPECIFICATIONS, AND NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AS PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION (AFPA).
ALL LUMBER FRAMING MEMBERS ARE TO HAVE THE FOLLOWING MINIMUM BASE DESIGN VALUES IN ACCORDANCE WITH THE LATEST ISSUE OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AS PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION (AFPA):
DOUGLAS FIR LARCH, No. 2 OR BETTER:
Fb = 1,350 PSI
Fv = 180 PSI
E = 1,600,000 PSI
1½" LSL 1.5E:
Fb = 2,250 PSI
Fv = 400 PSI
E = 1,500,000 PSI

ALL LUMBER FRAMING MEMBERS NOTED AS P.T. OR LABELED AS PRESSURE TREATED SHALL BE SOUTHERN YELLOW PINE, #2 GRADE OR BETTER.

ALL FRAMING LUMBER SHALL BE AS GRADED PER AMERICAN LUMBER STANDARDS (U.N.O.) WITH MINIMUM GRADES AS FOLLOWS: PLATES, BLOCKS, AND MISC.: DOUGLAS FIR LARCH No. 2 OR BETTER, OR 1.5E LSL.

JOIST HANGERS, STRAPS, CLIPS AND TIE-DOWNS SHALL BE MANUFACTURED BY THE "SIMPSON STRONG-TIE COMPANY, INC." OR APPROVED EQUAL.

NAILING OF MULTIPLE MEMBERS SHALL BE AS REQUIRED BY THE MANUFACTURER. BEARING OF ALL BEAMS SHALL BE 1½" INCHES MINIMUM.

LAMINATED BEAMS SHALL NOT BE USED IN LOCATIONS EXPOSED TO WEATHER, UNLESS THEY HAVE BEEN PRESSURE TREATED AND WATER REPELLENT APPLIED.

ALL WOOD OR ENGINEERED LUMBER MEMBERS IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

NAILING SCHEDULE—

IF NAILING IS NOT NOTED OR SHOWN IN THE DETAILS OR PLANS, USE THE FOLLOWING MINIMUM CRITERIA:

JOIST TO SILL OR GIRDER, TOE NAIL.....	(3)-8d
CONTINUOUS RIM JOIST TO DBL TOP PLATES.....	16d @ 8" o.c.
BRIDGING TO JOIST, TOENAIL EACH END.....	(2)-8d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL.....	16d @ 8" o.c.
TOP PLATE TO STUD, END NAIL.....	(2)-16d
STUD TO SOLE PLATE.....	(4)-8d, TOENAIL OR (2)-16d, END NAIL
DOUBLE STUDS, FACE NAIL.....	16d @ 24" o.c.
DOUBLE TOP PLATES, FACE NAIL.....	16d @ 16" o.c.
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL.....	(2)-16d
CONTINUOUS HEADER, TWO PIECES.....	16d @ 16" o.c.
STAGGERED ALONG EDGE	
CEILING JOISTS TO PLATE, TOE NAIL.....	(3)-8d
CONTINUOUS HEADER TO STUD, TOE NAIL.....	(4)-8d
CEILING JOISTS, LAPS OVER PARTITION, FACE NAIL.....	(3)-16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL.....	(3)-16d
RAFTER TO PLATE, TOE NAIL.....	(3)-8d
1" BRACE TO EACH STUD AND PLATE, FACE NAIL.....	(2)-8d
1"x8" SHEATHING OR LESS TO EACH BRG, FACE NAIL.....	(3)-8d
WIDER THAN 1"x8" SHEATHING TO EACH BRG, FACE NAIL.....	(3)-8d
BUILT-UP CORNER STUDS.....	16d @ 16" o.c.
PLYWOOD OR OSB:	
FLOOR, WALL, AND ROOF SHEATHING (TO FRAMING):	
1/2", 5/8", 3/4".....	10d
NAILER TO ROOF DECKING.....	10d @ 16" o.c.

ROOF SHEATHING FASTENERS SHALL BE SPACED AT 6" OC AT EDGES, AND AT 12" OC AT INTERMEDIATE SUPPORTS, U.N.O.

BOX NAILS MAY BE USED FOR ABOVE NAILING WITH APPROVAL FROM THE ENGINEER.

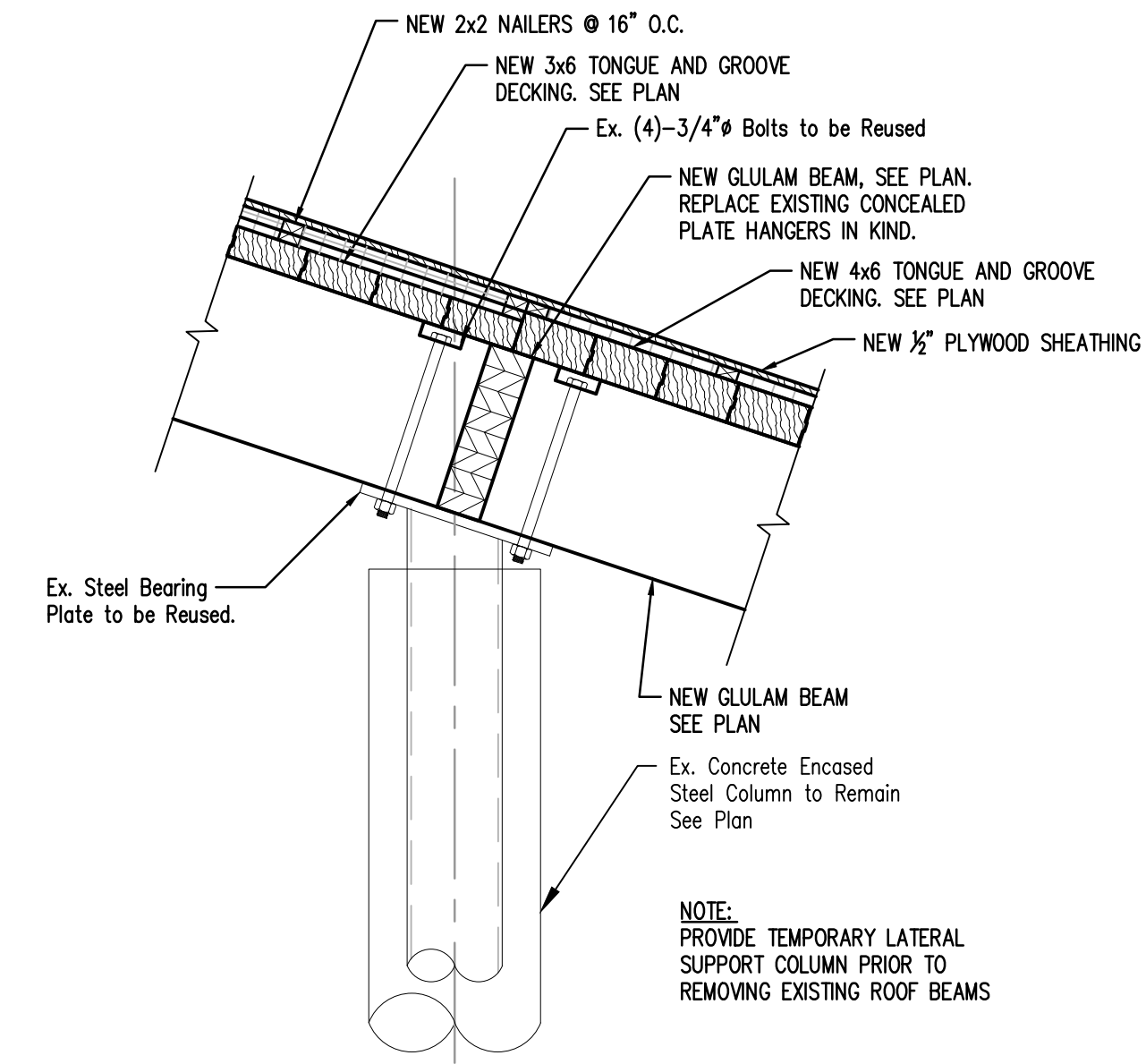
COMMON NAILS ARE REQUIRED FOR SHEAR WALLS, INCLUDING PLATE NAILING, TIE-DOWNS, HANGERS, AND LEDGERS.

BOX NAILS REQUIRE 1/3 MORE NAILS THAN LISTED ABOVE. CEMENT COATED SINKERS ARE CONSIDERED BOX NAILS.

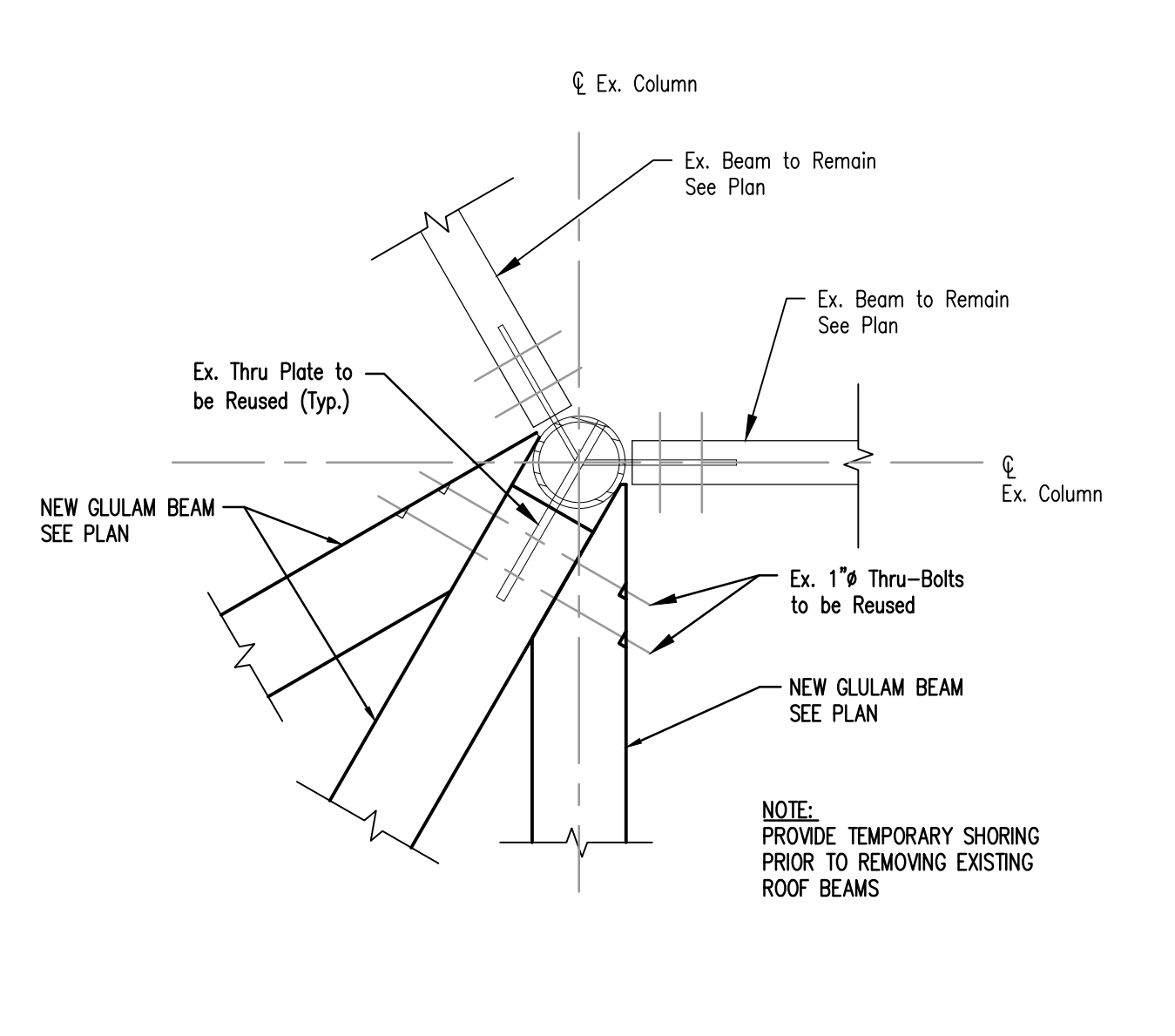
ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO (2) OR MORE SPANS AND FACE GRAIN PERPENDICULAR TO SUPPORT.

ROOF SHEATHING SHALL BE ½" APA-RATED TONGUE AND GROOVE SHEATHING, U.N.O.

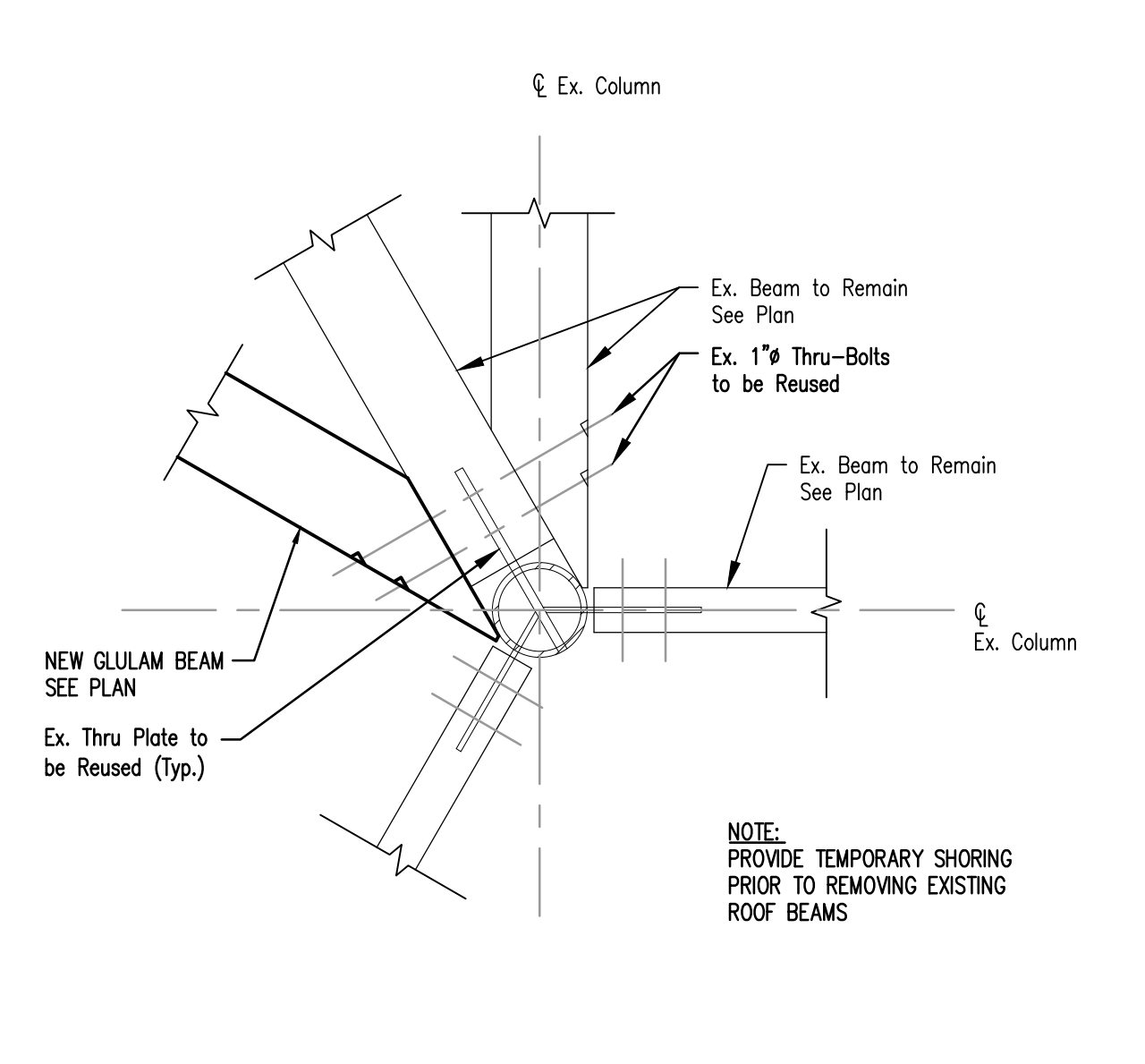
4 DETAIL AT GLULAM INTERSECTION
1" = 1'-0"



3 DETAIL AT GLULAM INTERSECTION
1" = 1'-0"



2 DETAIL AT GLULAM INTERSECTION
1" = 1'-0"



GENERAL NOTES

DESIGNED IN ACCORDANCE WITH THE 2005 STATE OF CONNECTICUT BUILDING CODE, WITH 2009 AMENDMENTS.

IF ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THESE DRAWINGS AND/OR CONDITIONS SPECIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH THE AFFECTED WORK.

TYPICAL DETAILS AND NOTES SHOWN HEREIN SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

ALL UNDERGROUND UTILITY LOCATIONS SHALL BE VERIFIED PRIOR TO STARTING EXCAVATION WORK. CALL BEFORE YOU DIG PRIOR TO STARTING ANY EXCAVATION.

WORK AREAS SHALL BE MARKED, FENCED, AND OTHERWISE SECURED SO AS TO PROVIDE PROPER PROTECTION FOR THE PUBLIC, AND AS REQUIRED BY THE BUILDING INSPECTOR.

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE SHORING, BRACING AND FORMWORK, ETC., AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. THIS INCLUDES PROVIDING TEMPORARY BRACING, SHORING, GUYS OR TIE-DOWNS. THESE TEMPORARY SUPPORTS SHALL REMAIN IN PLACE UNTIL ALL STRUCTURAL COMPONENTS ARE STABLE AND COMPLETED.

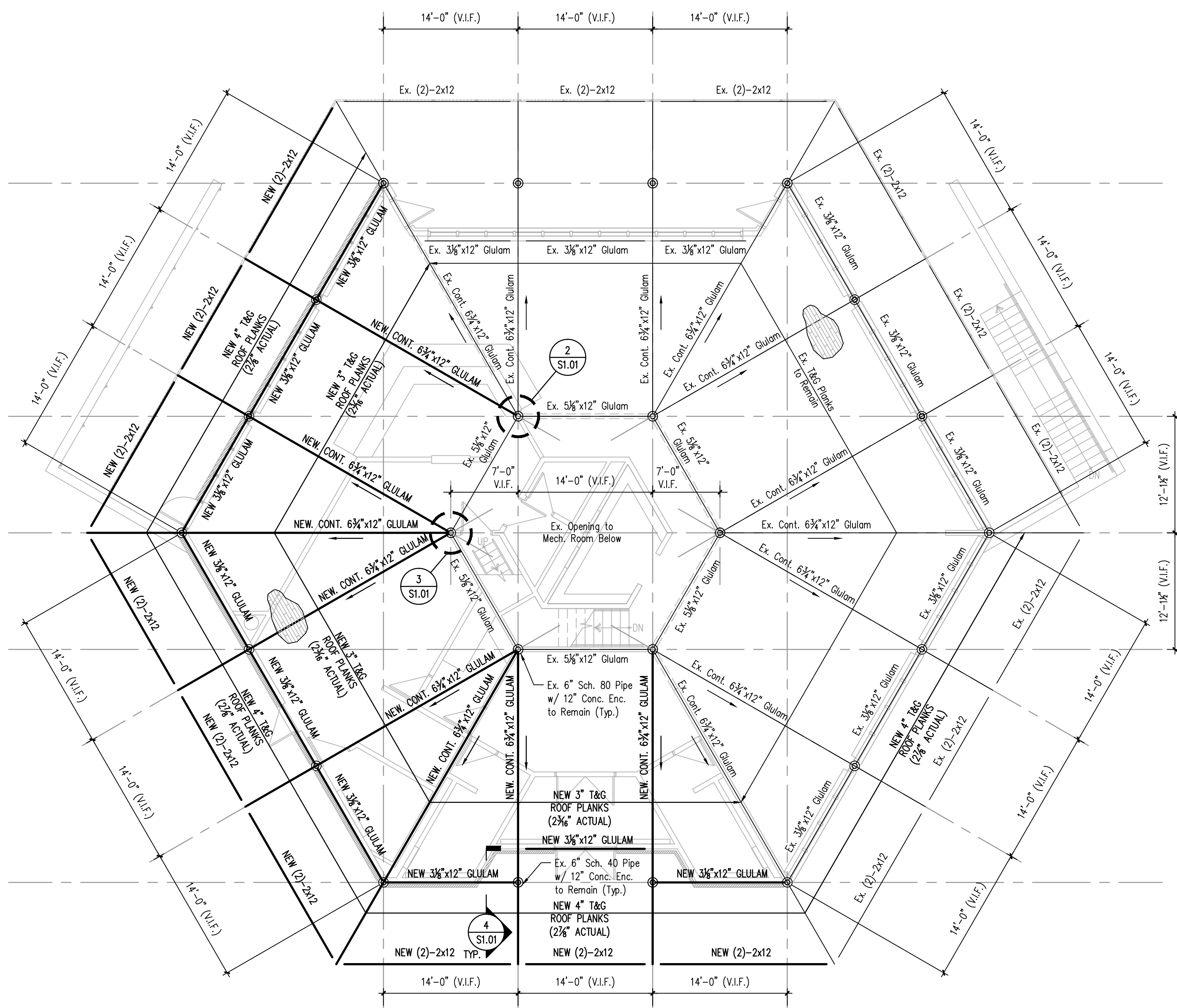
ROOF LOADS:
DEAD LOAD = 25 PSF
LIVE LOAD = 20 PSF (MIN.)
GROUND SNOW LOAD, Pg = 30 PSF (CT SUPPLEMENT - APPENDIX K)
EXPOSURE FACTOR, Ce = 1.0
THERMAL FACTOR, Ct = 1.0
IMPORTANCE FACTOR, Is = 1.0
FLAT ROOF SNOW LOAD, P1 = 21 PSF (USE 30 PSF MIN)
SNOW LOADS INCREASED FOR DRIFT, SLIDING, ETC. WHERE APPLICABLE.

WIND LOADS:
BASIC WIND SPEED (3-SEC. GUST) = 100 MPH (CT SUPPLEMENT - APPENDIX K)
IMPORTANCE FACTOR, Iw = 1.0
EXPOSURE = "B"

ALL SPECIAL INSPECTION REPORTS PERFORMED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW IN A TIMELY MANNER. THE FINAL REPORT OF SPECIAL INSPECTIONS SHALL NOT BE ISSUED UNTIL ALL SPECIAL INSPECTION REPORTS HAVE BEEN RECEIVED AND APPROVED BY THE ENGINEER.

MAIN ROOF FRAMING PLAN NOTES (WOOD):

- ALL NEW ROOF DECKING SHALL BE TYPE "LOCK-DECK" (OR APPROVED EQUAL) TONGUE AND GROOVE, ATTACH DECKING TO SUPPORTS AS SPECIFIED BY SUPPLIER.
- NOMINAL 3x6 (2½" x 5½" ACTUAL)
- NOMINAL 4x6 (2½" x 5½" ACTUAL)
- Fb = 2640 PSI
- Fv = 165 PSI
- E = 1,800,000 PSI
- FINISH AND PATTERN OF NEW DECKING TO MATCH EXISTING.
- ALL NEW GLULAM MEMBERS TO BE ANTHONY POWER PRODUCTS FAMILY TYPE "24F" (OR APPROVED EQUAL).
a) 3½"x12" (ACTUAL) GLULAM
- Fb = 2,400 PSI
- Fv = 175 PSI
- E = 1,700,000 PSI
b) 6½"x12" (ACTUAL) GLULAM
- Fb = 2,400 PSI
- Fv = 140 PSI
- E = 1,700,000 PSI
- SIZE AND SPECIES OF NEW GLULAM TO MATCH EXISTING GLULAM TO REMAIN.
- COORDINATE WITH DEMOLITION DRAWINGS FOR EXISTING FRAMING TO BE REMOVED.
- SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPES.



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

Hunter Golf Club
688 Westfield Rd Meriden, CT

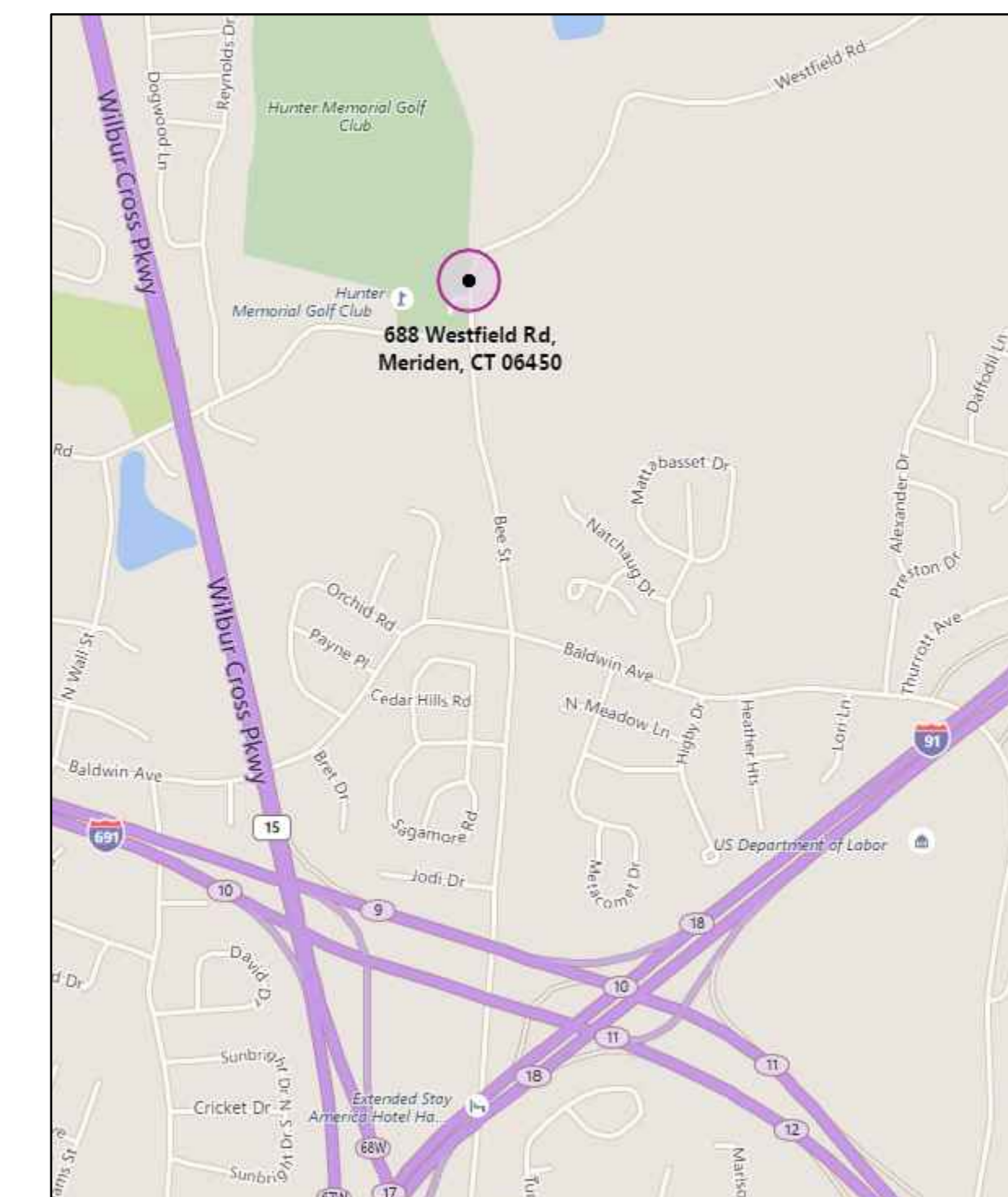


MECHANICAL IMPROVEMENTS

RZ Job No.: 17-063

RZ Design Associates, Inc.
**MECHANICAL AND ELECTRICAL
ENGINEERING**
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SHEET NO.	DRAWING TITLE
M-0.1	MECHANICAL GENERAL NOTES & ABBREVIATIONS
M-0.2	MECHANICAL SPECIFICATIONS
M-0.3	PLUMBING SPECIFICATIONS
MD-1.1	LOWER LEVEL MECHANICAL DEMOLITION PLAN
MD-1.2	UPPER LEVEL/FAN ROOM MECHANICAL DEMOLITION PLAN
M-1.1	LOWER LEVEL MECHANICAL NEW WORK PLAN
M-1.2	UPPER LEVEL/FAN ROOM MECHANICAL NEW WORK PLAN
M-2.1	MECHANICAL DETAILS AND SCHEDULES
M-2.2	PLUMBING DETAILS AND SCHEDULES
M-3.1	MECHANICAL CONTROLS
E-0.1	ELECTRICAL SPECIFICATIONS
ED-1.1	LOWER LEVEL ELECTRICAL NEW WORK PLAN
ED-1.2	UPPER LEVEL/FAN ROOM ELECTRICAL DEMOLITION PLAN
E-1.1	LOWER LEVEL ELECTRICAL NEW WORK PLAN
E-1.2	UPPER LEVEL/FAN ROOM ELECTRICAL NEW WORK PLAN



GENERAL NOTES

GENERAL

- THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL AND SPECIAL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS; OPERATIONAL, TESTED, ADJUSTED, CALIBRATED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.
- THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE VARIOUS DOCUMENTS IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. COORDINATE LOCATIONS OF EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATION TO THE EQUIPMENT LAYOUT, REQUIRED FOR INSTALLATION, IS TO BE PERFORMED UNDER THE CONTRACT AGREEMENT, AT NO ADDITIONAL COST.
- PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION; THE SPECIFICATIONS MAY EXCEED THE REQUIREMENTS OF THE CODE; IN WHICH CASE, THE SPECIFICATION MUST BE FOLLOWED.
- INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED AND THE LOCATION SHALL BE COORDINATED WITH THE ARCHITECT.
- WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER; CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
- BEFORE INSTALLATION, COORDINATE THE WORK WITH OWNER-FURNISHED EQUIPMENT INCLUDING REQUIRED SERVICE CONNECTIONS, FACTORY START UPS, AND INSTALLATION OF FIELD DEVICES.
- PROVIDE THE REQUIRED/SPECIFIED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING INTERIOR AND EXTERIOR WALLS OR FLOOR SLABS.
- PROVIDE PIPING, CONDUIT, AND ALL OTHER ACCESSORIES AS REQUIRED FOR PROPER AND PROFESSIONAL SYSTEMS INSTALLATION.
- TEST AND BALANCE ALL MECHANICAL AND ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL TESTS AS REQUIRED BY THE SPECIFICATIONS.
- DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, OR SPECIAL EQUIPMENT.
- DO NOT INSTALL, IN STAIRWELLS OR STAIRWELL WALLS, PIPING, DUCTWORK, CONDUIT OR OTHER DEVICES OR EQUIPMENT NOT ASSOCIATED WITH OR SERVING THE RESPECTIVE STAIR.
- PROVIDE PIPE EXPANSION COMPENSATION FOR THE VARIOUS PIPING SYSTEMS. SUBMIT ENGINEERED DETAILS FOR APPROVAL AND VERIFY INSTALLATION IS IN ACCORDANCE WITH CODE. THE CONTRACTOR'S CONSULTING ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A REPORT ON THE FINDINGS.
- PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH BUILDING STRUCTURE AND CONSTRUCTION.

RENOVATION

- THIS PROJECT INVOLVES THE RENOVATION OF AN EXISTING FACILITY; BEFORE SUBMITTING THE BID, CONTRACTORS SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH THE PROJECT IS TO BE COMPLETED.
- CONTRACTORS SHALL BE HELD RESPONSIBLE FOR ASSUMPTIONS, OMISSIONS OR ERRORS MADE AS A RESULT OF FAILURE TO BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS.
- IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE, APPURTENANCE, PIPE, WIRE OR CONDUIT TO BE REMOVED. MEP EQUIPMENT, UNITS, AND SYSTEMS NOT BEING REUSED, SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING ASSOCIATED HANGERS, SUPPORTS, BASES, PADS, PIPES, DUCTS, CONDUITS, WIRES, INSULATION, AND CONTROLS BACK TO THE POINT OF ORIGIN.
- EQUIPMENT, PIPING, OR CONDUIT SHALL NOT BE ABANDONED IN-PLACE UNLESS SPECIFICALLY SO NOTED.
- PROPERLY DISPOSE OF DEMOLISHED EQUIPMENT IN COMPLIANCE WITH CODES, REGULATIONS, AND DEP STANDARDS; TURN OVER TO THE OWNER, EQUIPMENT SO INDICATED.
- RELOCATE EXISTING EQUIPMENT, DEVICES, PIPING, WIRING, AND RELATED SYSTEMS AS REQUIRED FOR CONSTRUCTION PURPOSES. ALL EXISTING SYSTEMS SHALL BE FULLY OPERATIONAL, INCLUDING RECONNECTION TO SERVICES AND UPGRADED SYSTEMS. ALL RELOCATED EQUIPMENT SHALL BE PROTECTED DURING CONSTRUCTION.
- PROVIDE TEMPORARY CONNECTIONS AND SYSTEM MODIFICATIONS AS REQUIRED FOR CONSTRUCTION AND PHASING PURPOSES.
- INCLUDE ALL WORK REQUIRED TO ALLOW PHASED CONSTRUCTION WHEN NECESSARY. COORDINATE WITH GENERAL CONTRACTOR/CONSTRUCTION MANAGER FOR PHASING REQUIREMENTS.
- SYSTEMS REQUIRING TO REMAIN IN OPERATION DURING DEMOLITION AND RENOVATION SHALL BE CAREFULLY PROTECTED FROM DAMAGE AND CONTAMINATION BY THE CONSTRUCTION PROCESS.

HVAC

- PROVIDE AN AUTOMATIC TEMPERATURE CONTROL SYSTEM COMPLETE IN ALL REGARDS. ALL ZONES, AND SYSTEMS SHALL BE THERMOSTATICALLY CONTROLLED. REVIEW THE PLANS AND SPECIFICATIONS OF ALL MEP TRADES FOR A COMPLETE SCOPE OF THE WORK.
- PIPING SHALL BE SUPPORTED FROM STRUCTURE ABOVE. TO MAXIMIZE HEAD ROOM, INSTALL PIPING TIGHT TO BOTTOM OF BEAMS WHEN RUNNING PERPENDICULAR TO BEAM; INSTALL PIPING TIGHT TO FLOOR SLAB WHEN RUNNING PARALLEL TO BEAM; PROVIDE ALL NECESSARY FITTINGS AND TRANSITIONS.
- COORDINATE AND VERIFY LOCATIONS OF ALL ITEMS REQUIRING ACCESS WITH ARCHITECT IN FIELD, INCLUDING VALVES, VOLUME DAMPERS,
- ALL CONDENSATE PIPING SHALL BE PVC OR CPVC SCHEDULE 40.
- ALL DUCTWORK CLEANING AND SANITIZING SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NACDA-ACR, ASSESSMENT, CLEANING AND RESTORATION OF HVAC SYSTEMS.
- TESTING, ADJUSTING AND BALANCING: AFTER COMPLETION OF THE WORK, BUT BEFORE SUBSTANTIAL COMPLETION, TEST, ADJUST AND BALANCE ALL AIR AND HYDRONIC SYSTEMS IN ACCORDANCE WITH EITHER AABC OR NEBB STANDARDS.

PLUMBING

- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE, ONLY THE BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. EACH AND EVERY FIXTURE SHALL BE PROPERLY PIPED TO WATER, WASTE, AND VENT PIPING SYSTEMS. REFER TO THE PLUMBING SCHEDULES FOR INDIVIDUAL PIPE SIZES TO EACH FIXTURE.
- INCLUDE NECESSARY PIPING OFFSETS AND TRANSITIONS AS REQUIRED TO INSTALL THE EQUIPMENT. PIPING, DRAINS AND VENTS SHALL BE THOROUGHLY CLEANED AND FLUSHED IMMEDIATELY BEFORE PROJECT COMPLETION. PROVIDE CERTIFICATION ON CONTRACTOR'S LETTER HEAD THAT THIS WORK HAS BEEN COMPLETED.
- DOMESTIC WATER DROPS AND RISERS INSTALLED IN EXTERIOR WALLS, SHALL BE INSTALLED ON THE WARM SIDE OF INSULATION, AND THE LOCATION SHALL BE MADE INFILTRATION FREE.
- PROVIDE COOLING COIL CONDENSATE TRAPS AND DRAIN PIPING FOR ALL MECHANICAL EQUIPMENT REQUIRING SAME; PIPE CONDENSATE DRAINS BY GRAVITY TO INDIRECT WASTE FLOOR DRAIN OR OTHER APPROVED LOCATION.

ABBREVIATIONS

A/AMP	AMPERE	IN WG	INCHES OF WATER, GAUGE (PRESS.)
ACU	AIR CONDITIONING UNIT(S)	IW	INDIRECT WASTE
AD	ACCESS DOOR	L	LENGTH
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFG	ABOVE FINISHED GRADE	LBS/HR	POUNDS PER HOUR
AHU	AIR HANDLING UNIT	LF	LINEAR FEET
AMB	AMBIENT	LIQ	LIQUID
APD	AIR PRESSURE DROP	MBH	BTU PER HOUR (THOUSAND)
APPROX	APPROXIMATE	MD	MOTORIZED DAMPER
ATO	AUTOMATIC TEMPERATURE CONTR.	MECH	MECHANICAL
AVG	AVERAGE	MFR	MANUFACTURER
BAS	BUILDING AUTOMATION SYSTEM	MFR	MINIMUM
BHP	BRAKE HORSEPOWER	N/A	NOT APPLICABLE
BSMT	BASEMENT	N.C.	NORMALLY CLOSED
BTUH	BRITISH THERMAL UNITS/HOUR	NEC	NATIONAL ELECTRICAL CODE
C	CONDENSATE	NIC	NOT IN CONTRACT
CC	COOLING COIL	NORMALLY	NORMALLY OPEN
CLG	CEILING	NTS	NOT TO SCALE
CO	CLEANOUT	OA	OUTSIDE AIR
CO2	CARBON DIOXIDE	OD	OUTSIDE DIAMETER
COMP	COMPRESSOR	ORD	OVERFLOW ROOF DRAIN
COND	CONDENSER	PD	PRESSURE DROP
CP	CONDENSATE PUMP	PH / Ø	PHASE
CPU	CENTRAL PROCESSING UNIT	PNL	PANELBOARD
CU	CONDENSING UNIT	PRESS	PRESSURE
CU FT	CUBIC FEET	PRV	PRESSURE REDUCING VALVE
dB	DECIBEL	PSI	POUNDS PER SQUARE INCH
D	DEPTH	RA	RETURN AIR
DB	DRY BULB TEMPERATURE	RD	ROOF DRAIN
DEG or °	DEGREE	RH	RELATIVE HUMIDITY
DIA or Ø	DIAMETER	RHC	REHEAT COIL
DN	DOWN	RHG	REFRIGERANT HOT GAS
DP	DIFFERENTIAL PRESSURE	RM	ROOM
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE
DX	DIRECT EXPANSION	S&R	SUPPLY AND RETURN
EA	EXHAUST AIR	SA	SUPPLY AIR
EAT	ENTERING AIR TEMPERATURE	SP	STATIC PRESSURE
EFF	EFFICIENCY	SPEC	SPECIFICATION
ELEC	ELECTRICAL	SPK	SPRINKLER
ELEV	ELEVATOR	SQ	SQUARE
EM	EMERGENCY	SS	STAINLESS STEEL
ESP	EXTERNAL STATIC PRESSURE	ST	STORM
EVAP	EVAPORATOR	STD	STANDARD
EWB	ENTERING WET BULB TEMPERATURE	SUCT	SUCTION
EWT	ENTERING WATER TEMPERATURE	TAG	IDENTIFICATION OF EQUIPMENT
EXH	EXHAUST	TD	TEMPERATURE DIFFERENCE
EXP	EXPANSION	TEMP	TEMPERATURE
F	FAHRENHEIT	TP	TRAP PRIMER
FCU	FAN COIL UNIT	TSP	TOTAL STATIC PRESSURE
FD	FIRE DAMPER	T'STAT	THERMOSTAT
FD	FLOOR DRAIN	TX	TRANSFORMER
FPM	FEET PER MINUTE	TYP	TYPICAL
FPS	FEET PER SECOND	V	VENT
FS	FLOOR SINK	V	VOLTAGE
FT	FOOT OR FEET	VAV	VARIABLE AIR VOLUME
GA	GAUGE	VD	VOLUME DAMPER
GAL	GALLONS	VEL	VELOCITY
GND	GROUND	VFC	VARIABLE FREQUENCY CONTROLLER
GPH	GALLONS PER HOUR	VIF	VERIFY IN FIELD
GPM	GALLONS PER MINUTE	VOL	VOLUME
H	HEIGHT	VTR	VENT THRU ROOF
HC	HEATING COIL	W	WASTE
H/C	HEATING/COOLING	W	WATT
HD	HEAD	WB	WET BULB TEMPERATURE
HP	HORSEPOWER	WI	WIDTH
HR	HOUR(S)	WP	WEATHERPROOF
HT	HEAT	WPD	WATER PRESSURE DROP
HZ	FREQUENCY (CYC, PER SEC.)	WTR	WATER
IN	INCHES	WWM	WELDED WIRE MESH

GENERAL SYMBOLS

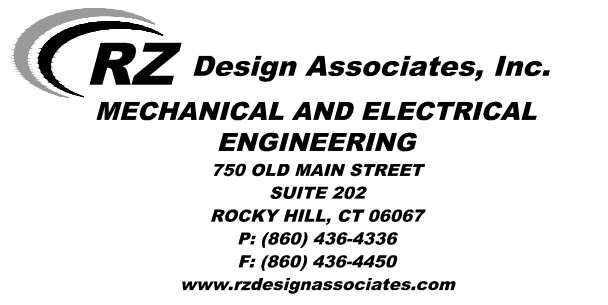
	THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS OR NEW RACEWAY AND WIRING
	THIN, LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
	THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
	POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS

HVAC SYMBOLS

	RECTANGULAR, FLAT OVAL OR ROUND AIR DUCT
	AIR DUCT WITH ACOUSTICAL LINING
	SUPPLY AIR DUCT UP
	SUPPLY AIR DUCT DOWN
	RETURN AIR DUCT UP
	RETURN AIR DUCT DOWN
	EXHAUST AIR DUCT UP
	EXHAUST AIR DUCT DOWN
	TURNING VANES
	ACCESS DOOR
	FLEXIBLE DUCT CONNECTION
	CEILING SUPPLY DIFFUSERS
	CEILING RETURN / EXHAUST GRILLE
	HARD DUCTED DIFFUSER OR GRILLE WITH FULL SIZE BOTTOM TAKE-OFF
	DIRECTION OF SUPPLY OR OUTDOOR AIRFLOW
	DIRECTION OF RETURN OR EXHAUST AIRFLOW
	BACK DRAFT DAMPER
	VOLUME DAMPER
	SUPPLY PIPING. REFER TO ABBREVIATION LIST FOR DESIGNATION (XXX)
	RETURN PIPING. REFER TO ABBREVIATION LIST FOR DESIGNATION (XXX)
	MOTORIZED DAMPER
	DUCT SMOKE DETECTOR WITH REMOTE INDICATING LIGHT AND TEST SWITCH
	ROOM THERMOSTAT OR TEMPERATURE SENSOR
DUCT SIZING	
	RECTANGULAR DUCT
	FLAT OVAL DUCT
	ROUND DUCT
	CLEANOUT
	PIPE TEE DOWN
	IN-LINE EXPANSION COMPENSATOR
	PIPE ELBOW UP OR PIPE TEE UP
	PIPE ELBOW DOWN
	PIPE CAP OR CAPPED END OF PIPE
	UNION
	PIPE GUIDES

GENERAL PROCEDURE NOTES

- PROJECT INCLUDES ACCESS TO AND COORDINATION WITH OCCUPIED SPACES BELOW THE WORK AREA AND WITHIN OTHER PARTS OF THE BUILDING.
- NOTICE OF WORK TO BE PERFORMED OUTSIDE THE WORK AREA, OR AFFECTING OTHER TENANTS IS TO BE GIVEN AT LEAST 48 HOURS PRIOR TO SCHEDULED WORK TO ALL PARTIES.
- THE CONTRACTOR IS TO INCLUDE IN HIS BID, OR MAKE PROVISIONS FOR, THE FOLLOWING SPECIAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
 - PERFORMANCE OF WORK AFTER HOURS, OR PREMIUM TIME, SUCH AS CORE DRILLING, HAMMER DRILLING, ETC.
 - "HOT WORKS PERMIT" FOR SOLDERING, BRAZING OR TORCHING. CONTACT BBS ENGINEERING OFFICE AT LEAST 24 HOURS IN ADVANCE OF SCHEDULED WORK.
 - DISTURBANCE AND CLEARING OF WORK SPACE IN ADJACENT TENANT SPACES. COORDINATE WITH TENANTS.
 - PROTECTION OF THE ADJACENT OCCUPIED AREAS AND ITEMS IN THESE AREAS FROM DAMAGE.
 - RESTORATION OF ANY DISTURBED OCCUPIED SPACES TO CONDITION ACCEPTABLE TO THE TENANT AND BUILDING OWNER PRIOR TO THE START OF NEXT DAY'S NORMAL BUSINESS HOURS.
 - CONTRACTOR TO SUBMIT A PROPOSED SCHEDULE TO OWNER AND LANDLORD INDICATING ANTICIPATED AFTER HOURS WORK AND ACCESS TO ADJACENT TENANT SPACES FOR REVIEW PRIOR TO COMMENCING WORK.



SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17 100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

Hunter Golf Course Clubhouse
688 Westfield Rd.
Meriden, CT 06450

DWG DATA

PROJECT NUMBER: 17-063
SUBMISSION DATE: 5/03/17
DRAWN: D.S.
REVIEWED: D.S.
SCALE: NONE

DWG TITLE

MECHANICAL GENERAL NOTES & ABBREVIATIONS

DWG #

M-0.1

PLUMBING SPECIFICATIONS

GENERAL CONDITIONS OF THE CONTRACT

IT IS THE INTENT OF THE SPECIFICATIONS AND DRAWINGS TO PROVIDE FOR FINISHED WORK, TESTED AND READY FOR OPERATION.

WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS. WHERE A CONFLICT EXISTS BETWEEN THESE NOTES, THE DRAWINGS AND THE FOLLOWING SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

ITEMS AND SERVICES NOT SHOWN ON THE DRAWINGS OR STATED IN THE SPECIFICATIONS, BUT REQUIRED TO RENDER THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED WITHOUT ADDITIONAL COST.

DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. DRAWINGS INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUB-CONTRACTOR DOCUMENTS. IT IS THE INTENT OF THESE DOCUMENTS TO INCLUDE THE PROVISION AND INSTALLATION OF ALL NECESSARY WORK AND MATERIALS FOR COMPLETE, OPERATIONAL AND CODE COMPLIANT SYSTEMS BY THE CONTRACTOR.

GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED OR BETTERED.

THE BID SHALL INCLUDE OFFSETS, ADDITIONAL PIPING, VALVES, EQUIPMENT AND COMPONENTS AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION.

THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED AND PAY ALL APPLICABLE FEES. INCLUDED SHALL BE ANY UTILITY COST ASSOCIATED WITH ANY NEW OR MODIFIED SERVICES.

CONSULT ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SPACE CONDITIONS AND ADDITIONAL REQUIREMENTS.

PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT'S GENERAL CONDITIONS AND IN COORDINATION WITH ALL OTHER TRADES. ALL WORK SHALL BE DONE IN CONFORMANCE AND PROVISIONS OF ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND LAWS AS REFERENCED OR STATED IN THE 2016 CONNECTICUT STATE BUILDING CODE:

- CONNECTICUT CODES AND STANDARDS:
- 2012 INTERNATIONAL BUILDING CODE
- 2009 ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDING FACILITIES
- 2012 INTERNATIONAL EXISTING BUILDING CODE
- 2012 INTERNATIONAL PLUMBING CODE
- 2012 INTERNATIONAL MECHANICAL CODE
- 2014 NFPA 70, NATIONAL ELECTRICAL CODE, OF THE NATIONAL FIRE PROTECTION ASSOCIATION INC.
- 2012 INTERNATIONAL RESIDENTIAL CODE OF THE INTERNATIONAL CODE COUNCIL

WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, AND ADMINISTRATIVE TASKS/DUTIES REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.

STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE.

COORDINATION
CONTRACTOR IS REQUIRED TO OBTAIN COMPLETE SETS OF THE CONTRACT DOCUMENTS FOR COORDINATION WITH ALL OTHER TRADES.

SHOP DRAWINGS

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER INITIAL REVIEW AND APPROVAL, REVISED IF REQUIRED AND RESUBMITTED AS PER ENGINEER'S COMMENTS PRIOR TO CONSTRUCTION.

ACCEPTANCE OF DEVIATIONS OR SUBSTITUTIONS FROM BASE SPECIFIED ITEMS OR EQUIPMENT SHALL BE AT THE ENGINEER'S DISCRETION. ANY CHANGES REQUIRED FOR ACCOMMODATION SHALL BE AT NO ADDITIONAL COST.

OWNER'S MANUAL AND AS-BUILT DRAWINGS

UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE AN OWNER'S MANUAL WITH AS-BUILT DRAWINGS REFLECTING INSTALLED CONDITIONS.

THE OWNER'S MANUAL SHALL CONSIST OF ALL DOCUMENTATION PROVIDED AS SHOP DRAWINGS, MANUALS PACKED WITH EQUIPMENT AND COMPLETE PARTS BREAKDOWN WITH PART NUMBERS AND DIAGRAMS. THE OWNER'S MANUALS SHALL BE IN A THREE RING BINDER. PROVIDE NAMES AND PHONE NUMBERS OF SUPPLY HOUSES WHERE PARTS MAY BE PURCHASED.

AS-BUILT DRAWINGS SHALL CONSIST OF FIELD MARK-UPS TO THE CONSTRUCTION DRAWINGS AND INCLUDE ANY ADDITIONAL DETAILS TO CLEARLY REFLECT INSTALLED CONDITIONS. ANY ISSUED OR SUPPLEMENTAL SKETCHES OR DIRECTIVES SHALL BE INCORPORATED INTO THE FINAL CONSTRUCTION MARK-UPS.

CONTRACTOR SHALL MAINTAIN, ON-SITE, A FIELD MARK-UP SET OF DOCUMENTS WHICH SHALL BE KEPT CURRENT WITH ANY CHANGES FROM THE ORIGINAL CONTRACT DOCUMENTS. THESE MARK-UPS ARE TO BE PROVIDED AS AS-BUILT DRAWINGS FOR COMPARISONS.

BASES, HANGERS AND SUPPORTS

THE CONTRACTOR SHALL PROVIDE, OR CAUSE TO BE PROVIDED BY ANOTHER CONTRACTOR, ALL REQUIRED BASES AND SUPPORTS FOR PIPING AND EQUIPMENT PROVIDED UNDER THESE SPECIFICATIONS.

PROVIDE ADJUSTABLE CLEVIS HANGERS FOR ALL SINGLE RUN PIPING, WHERE REQUIRED, OVERSIZE TO ACCOMMODATE INSULATION TO PASS THROUGH. PROVIDE INSULATION SHIELDS, WHERE POSSIBLE, GROUP PIPING TO ALLOW TRAPEZE HANGERS TO BE USED.

PROVIDE ALL ANCHORS, INSERTS AND BEAM CLAMPS REQUIRED FOR HANGERS AND SUPPORTS. IF ADDITIONAL STRUCTURAL MEMBERS OR SUPPORTS ARE REQUIRED, THE CONTRACTOR IS TO COORDINATE WITH THE STRUCTURAL CONTRACTOR FOR PROVISION OF THESE MEMBERS. ALL PIPING AND EQUIPMENT IS TO BE SECURELY FASTENED TO THE BUILDING STRUCTURE IN AN ACCEPTABLE MANNER.

ALL PIPING PASSING THROUGH WALLS AND FLOORS SHALL BE SLEEVED. THE SLEEVES SHALL HAVE AN INSIDE DIAMETER 1" LARGER THAN THE PIPE AND INSULATION, IF INSULATED. INSULATION SHALL PASS CONTINUOUS THROUGH THE SLEEVE.

PIPE SEALS AND FIRE-STOPS

SEAL ALL PIPING PASSING THROUGH FIRE AND/OR SMOKE RATED PARTITIONS, WALLS AND FLOORS WITH A UL LISTED, APPROVED AND TESTED FIRE AND/OR SMOKE SEALING MATERIAL EQUIVALENT TO THE RATING OF THE WALL, PARTITION OR FLOOR. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR COMPATIBILITY WITH WALL AND FLOOR CONSTRUCTION.

FOR INTERIOR PARTITIONS, WALLS AND FLOORS, SLEEVES SIZED TO ALLOW INSULATION TO PASS THROUGH CONTINUOUS WITH A MAXIMUM 1" ANNULAR SPACE BETWEEN THE INSULATION AND SLEEVE. SLEEVES TO BE CUT SMOOTH AND INSTALLED FLUSH WITH FINISHED WALLS AND 2" ABOVE FINISHED FLOORS. FILL THE ANNULAR SPACE WITH UL SEALING MATERIAL.

EQUIPMENT ACCESSIBILITY

LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED OR MAINTAINED IN FULLY ACCESSIBLE POSITION WITH ADEQUATE CLEARANCES TO PROVIDE SERVICE OR REPAIR.

ACCESS DOORS OR PANELS IN WALLS, CEILINGS OR FLOORS SHALL BE FIELD COORDINATED AND INSTALLED FOR ACCESS TO CONCEALED VALVES, EQUIPMENT OR DEVICES.

CLEANING AND PROTECTION AGAINST FOREIGN MATTER

THE JOBSITE SHALL BE KEPT CLEAN AT ALL TIMES. CAP EXPOSED PIPING AND COVER FLOOR DRAINS TO INSURE ADEQUATE PROTECTION AGAINST THE ENTRANCE OF FOREIGN MATTER.

AT COMPLETION OF THE PROJECT, ALL EQUIPMENT, FIXTURES, ETC. SHALL BE CLEANED.

OPERATING INSTRUCTIONS

UPON THE COMPLETION OF ALL WORK, TESTING AND ADJUSTING THE CONTRACTOR SHALL FURNISH PERSONNEL TO INSTRUCT THE OWNER'S REPRESENTATIVES IN THE OPERATION, ADJUSTMENT AND MAINTENANCE OF THE EQUIPMENT AND SYSTEMS FURNISHED.

GUARANTEES

IN ADDITION TO THE CONTRACTOR'S GUARANTEE, PROVIDE ALL APPLICABLE EXTENDED GUARANTEES FOR EQUIPMENT.

PLUMBING PIPING INSULATION

PROVIDE 1" GLASS FIBER INSULATION FOR ALL NEW COPPER PIPING (HOT AND COLD WATER), INCLUDES INSULATION FOR FITTINGS AND VALVES. INSULATION TO BE AS MANUFACTURED BY KNAUF, MANVILLE, OWENS-CORNING OR CERTAIN-TEED.

INSULATION TO HAVE A "K" VALUE OF 0.24 AT 75F. FLAME SPREAD/SMOKE OF 25/50, MAX. 850F RATING, VAPOR BARRIER WHITE KRAFT PAPER WITH GLASS FIBER YARN BONDED TO ALUMINIZED FILM.

AT ALL FITTINGS AND VALVES PROVIDE PRE-MOLDED PVC JACKET BY ZESTON.

BEFORE INSTALLING INSULATION, ALL REQUIRED PIPING IS TO BE TESTED AND APPROVED.

INSULATION IS TO PASS CONTINUOUSLY THROUGH HANGERS, WALLS, SLEEVES AND OTHER PIPE PENETRATIONS.

PLUMBING PIPING

PIPING MATERIAL SHALL BE AS FOLLOWS:

WATER PIPING – COPPER, TYPE L, ASTM B88, SOLDER OR PRESS CONNECTIONS.

BALL VALVES SHALL BE BRONZE, TWO PIECE, FULL PORT, EXTENDED LEVER HANDLE FOR INSULATION, CLASS 150-400 PSI WOG, AS MANUFACTURED BY MILWAUKEE, NIBCO OR APOLLO.

NO PIPING SHALL BE COVERED UNTIL TESTED AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION.

INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT.

CONCEALED PIPING AND ACCESSORIES SHALL BE ARRANGED TO USE THE MINIMUM AMOUNT OF ACCESS DOORS AND PANELS.

PIPING SHALL BE RUN CONCEALED IN FURRED SPACES, CHASES, WALLS, ETC. CONTRACTOR SHALL OBTAIN PERMISSION TO RUN EXPOSED PIPING.

PROVIDE ISOLATION AND SHUT-OFF VALVES AT ALL BRANCH LINES AND EQUIPMENT. PROVIDE LISTED AND APPROVED DIELECTRIC FITTINGS WHEN JOINING DISSIMILAR METALS.

RUN ALL SANITARY AND WASTE PIPING AT A MINIMUM OF 1/8" PER FOOT FOR PIPING. SLOPE VENT PIPING TO DRAIN.

PIPE HANGERS SHALL BE PLACED ADJACENT TO MOTOR DRIVEN EQUIPMENT. HANGERS AND SUPPORTS SHALL BE AS FOLLOWS:

- COPPER PIPING
- 1/2" TO 1-1/4" AT MAXIMUM 6"-0" SPACING
- 1-1/2" TO 3" AT MAXIMUM 10'-0" SPACING

WATER PIPING IS TO BE FLUSHED AND DISINFECTED IN ACCORDANCE WITH LOCAL AND STATE HEALTH REGULATIONS. AFTER FLUSHING AND DISINFECTING, THE WATER IS TO BE TESTED BY THE CONTRACTOR THROUGH AN INDEPENDENT LAB WITH A WRITTEN REPORT.

PLUMBING PIPING SPECIALTIES

CLEANOUTS IN INTERIOR FINISHED FLOORS SHALL HAVE A CAST IRON BODY WITH ANCHOR FLANGE, THREADED TOP ASSEMBLY AND ROUND GASKETED SCORED COVER. FOR FINISHED FLOORS PROVIDE DEPRESSED COVER TO ACCEPT FLOOR FINISH.

WATER HAMMER ARRESTORS SHALL BE STAINLESS STEEL CONSTRUCTION, BELLOWS TYPE, PRECHARGED. AIR CHAMBERS ARE NOT ACCEPTABLE. INSTALL WATER HAMMER ARRESTORS AT ALL QUICK CLOSING VALVES, ON HOT AND/OR COLD WATER SUPPLIES TO NEW INDIVIDUAL FIXTURES OR IN BANKS OF FIXTURES.

PLUMBING EQUIPMENT AND FIXTURES

ALL PLUMBING EQUIPMENT AND FIXTURES SHALL BE NEW. COMPLETE WITH ALL TRIM AS SPECIFIED. APPROVAL CERTIFICATION BY CONNECTICUT IS REQUIRED.

FOR ALL EQUIPMENT AND FIXTURES, INSTALL AS PER MANUFACTURER'S INSTRUCTIONS, AS REQUIRED BY CODE, AND IN COMPLIANCE WITH CONDITIONS FOR CERTIFICATION (IF ANY). RETAIN ALL INFORMATION, MANUALS AND PARTS DIAGRAMS PACKAGED WITH THE UNITS.

COORDINATE ALL RELATED ELECTRICAL WORK AND REQUIRED CONNECTIONS TO ACHIEVE AN OPERATIONAL SYSTEM. VERIFY THAT ELECTRICAL POWER HAS PROPER CHARACTERISTICS.

ALL EQUIPMENT SHALL BE UL TESTED AND APPROVED AND IF APPLICABLE SHALL HAVE NSF CERTIFICATION.

UPON COMPLETION OF INSTALLATION OF PLUMBING EQUIPMENT, TEST TO DEMONSTRATE CAPABILITY AND COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CODES. FOR ALL EQUIPMENT, REPAIR OR REPLACE ANY MALFUNCTIONING EQUIPMENT OR FIXTURES AND RETEST.

ADJUST WATER PRESSURES THROUGH VALVES OR STOPS TO OBTAIN PROPER FLOW RATES AND PRESSURES REQUIRED.

UPON COMPLETION OF INSTALLATION OF EQUIPMENT, THOROUGHLY CLEAN ALL EXPOSED SURFACES, TRIM AND PIPING, FLUSH STRAINERS AND VERIFY FINAL OPERATION.

PROVIDE ALL WARRANTIES AND GUARANTEES TO THE OWNER WITH ALL NAMES, ESTABLISHED DATES, AND ANY ADDITIONAL INFORMATION REQUIRED FOR ENFORCEMENT.

NATURAL GAS PIPING SYSTEM

UNLESS OTHERWISE NOTED ON THE PLANS, GAS PIPING SHALL BE AS FOLLOWS:

GAS PIPING TO BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS, ASTM A53.

PIPE THREADS TO BE TAPERED AND PIPING SHALL SLOPE TOWARDS EQUIPMENT WITH DRIPS AT LOW POINTS AND EQUIPMENT. ASME B1.20.1

ALL PIPING SHALL BE TESTED IN COMPLIANCE WITH THE NEW YORK STATE GAS CODE AND NFPA 54 WITH ALL DOCUMENTATION OF TESTS SIGNED BY CONTRACTOR. TEST WITH COMPRESSED AIR OR OTHER INERT GAS.

SLOPE PIPING UPWARDS AT A MINIMUM OF 1/4" IN 15'-0" HORIZONTAL PIPE RUN.

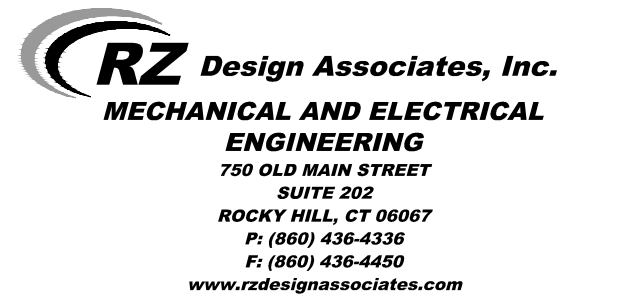
HANGERS AND SUPPORT SPACING SHALL BE AS FOLLOWS:
ALL PIPE SIZES AT MAXIMUM 6'-0" SPACING

GAS CONNECTORS TO EQUIPMENT SHALL BE MADE WITH CCST OR OTHER CSA CERTIFIED/UL LISTED FLEXIBLE CONNECTORS.

ALL PIPING UP TO 2" SHALL BE THREADED, 2-1/2" AND LARGER SHALL BE WELDED.

VALVING SHALL BE BALL VALVES (BRONZE BODY, BRASS STEM PTFE SEAT) FOR PIPING UP TO 2" AND IRON BODY GAS COCKS (BRASS PLUG AND WASHER) FOR PIPING 2-1/2" AND LARGER. CSA CERTIFIED/UL LISTED.

ALL NEW GAS PIPING SHALL BE PAINTED WITH PRIMER AND TWO COATS YELLOW ENAMEL WITH PIPE LABELS SPACED AT MAXIMUM 6'-0" INTERVALS. LABELS TO INDICATE NATURAL GAS AND GAS PRESSURE.



SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

**Hunter Golf Course
Clubhouse
688 Westfield Rd.
Meriden, CT 06450**

DWG DATA

PROJECT NUMBER:	17-063
SUBMISSION DATE:	5/03/17
DRAWN:	D.S.
REVIEWED:	D.S.
SCALE:	NONE

DWG TITLE

PLUMBING SPECIFICATIONS

DWG #

M-0.3

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

MECHANICAL
IMPROVEMENTS

Hunter Golf Course
Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450

DWG DATA

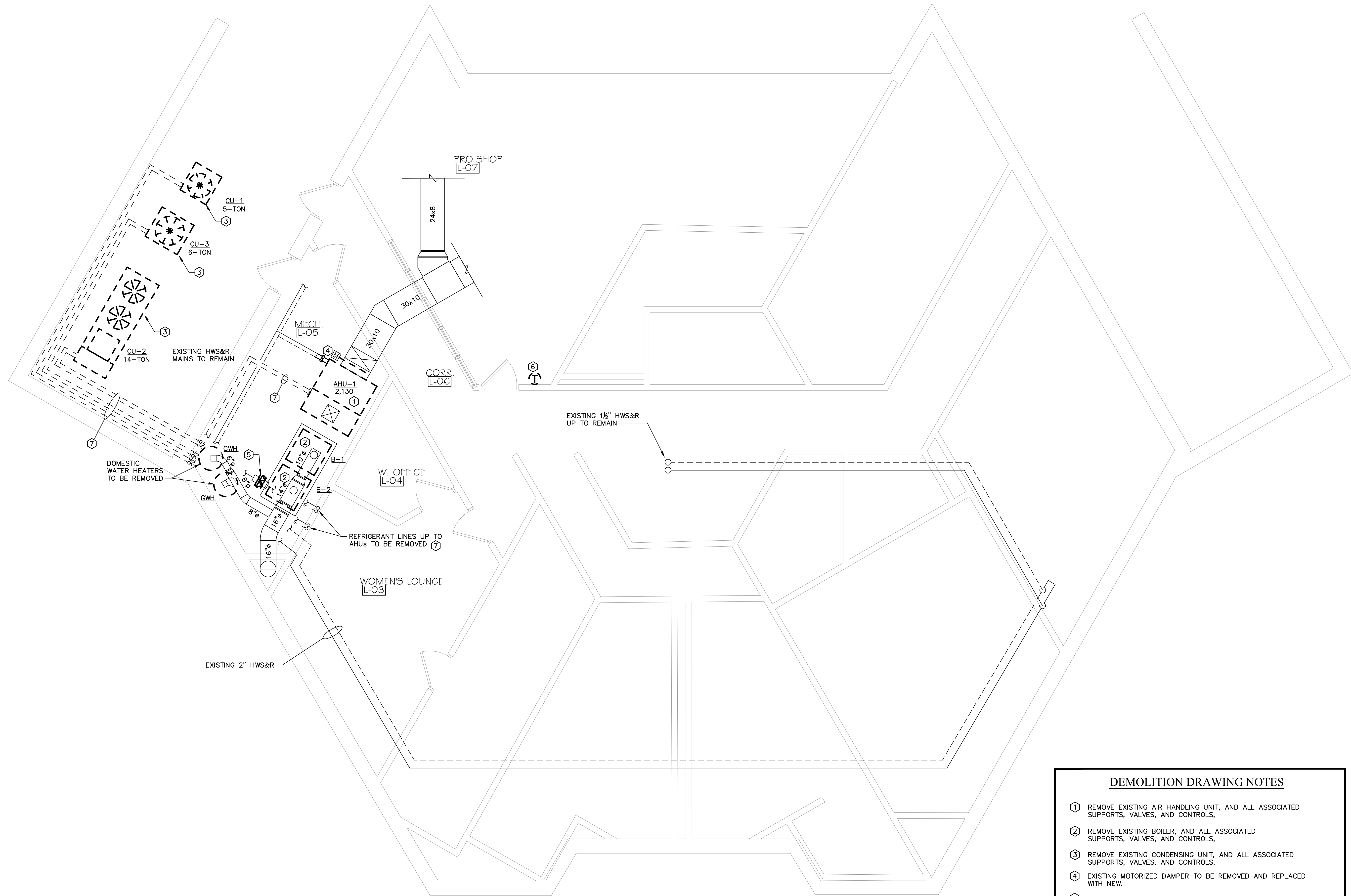
PROJECT NUMBER:	17-063
SUBMISSION DATE:	5/03/17
DRAWN:	D.S.
REVIEWED:	D.S.
SCALE:	1/4"=1'-0"

DWG TITLE

LOWER LEVEL
MECHANICAL
DEMOLITION PLAN

DWG #

MD-1.1



1 LOWER LEVEL FLOOR PLAN
 MD-1.1 SCALE: 1/4"=1'-0"

DEMOLITION DRAWING NOTES

- ① REMOVE EXISTING AIR HANDLING UNIT, AND ALL ASSOCIATED SUPPORTS, VALVES, AND CONTROLS.
- ② REMOVE EXISTING BOILER, AND ALL ASSOCIATED SUPPORTS, VALVES, AND CONTROLS.
- ③ REMOVE EXISTING CONDENSING UNIT, AND ALL ASSOCIATED SUPPORTS, VALVES, AND CONTROLS.
- ④ EXISTING MOTORIZED DAMPER TO BE REMOVED AND REPLACED WITH NEW.
- ⑤ EXISTING HOT WATER PUMPS TO BE REPLACED WITH NEW.
- ⑥ EXISTING THERMOSTAT TO BE REMOVED AND REPLACED WITH NEW.
- ⑦ EXISTING REFRIGERANT LINES BETWEEN CONDENSING UNITS AND AIR HANDLING UNITS TO BE REMOVED, AND REPLACED WITH NEW.

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17 100% CD

JOB INFO

**MECHANICAL
 IMPROVEMENTS**

**Hunter Golf Course
 Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450**

DWG DATA

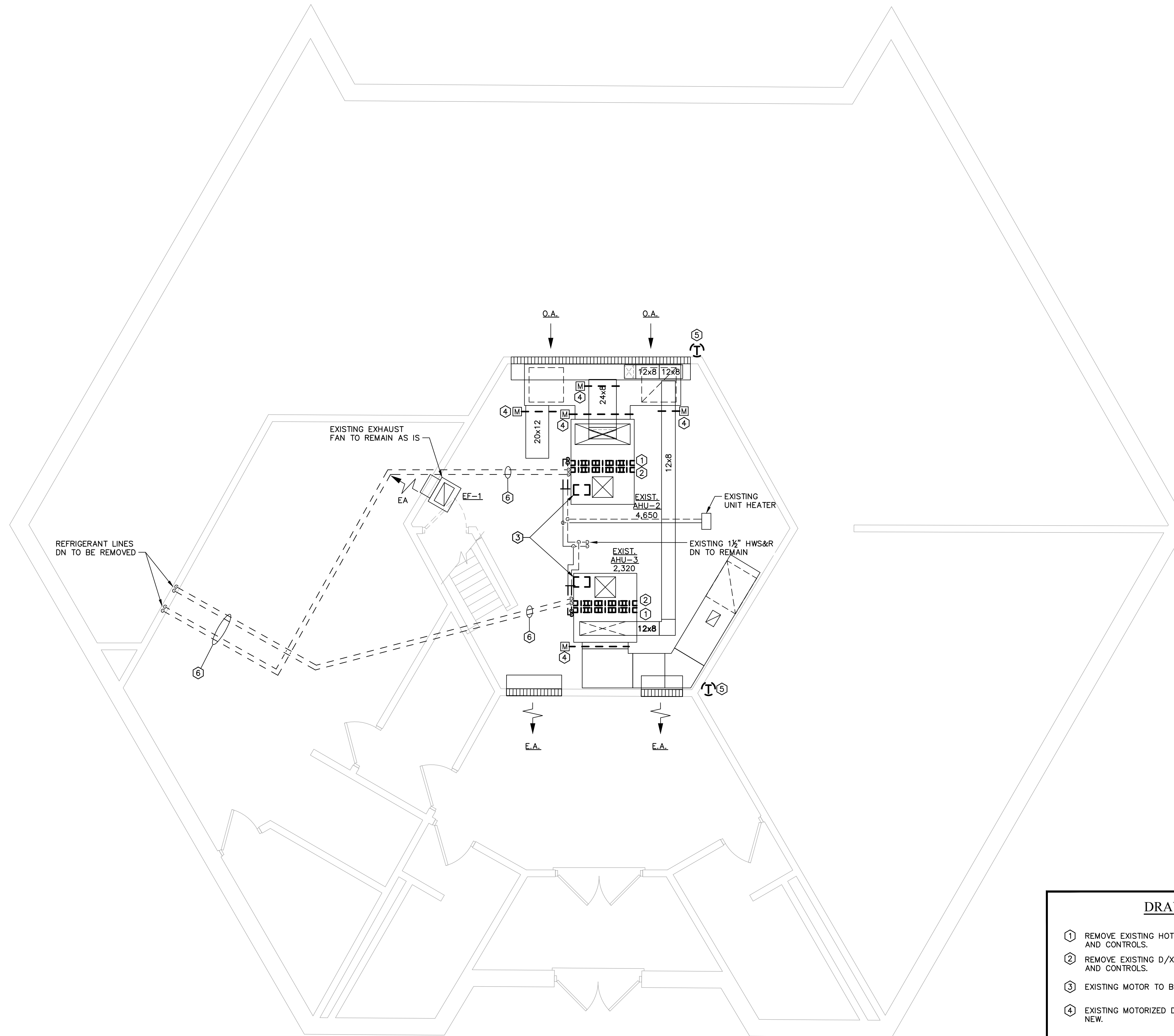
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 SUBMISSION DATE: 5/03/17
 DRAWN: XXX
 REVIEWED: XXX
 SCALE: 1/4"=1'-0"

DWG TITLE

**UPPER LEVEL/
 FAN ROOM
 MECHANICAL
 DEMOLITION PLAN**

DWG #

MD-1.2



1 UPPER LEVEL/FAN ROOM FLOOR PLAN
 MD-1.2 SCALE: 1/4"=1'-0"

DRAWING NOTES

- ① REMOVE EXISTING HOT WATER COIL AND ALL ASSOCIATED VALVES AND CONTROLS.
- ② REMOVE EXISTING D/X COIL AND ALL ASSOCIATED PIPING, VALVES, AND CONTROLS.
- ③ EXISTING MOTOR TO BE REMOVED AND REPLACED WITH NEW.
- ④ EXISTING MOTORIZED DAMPER TO BE REMOVED AND REPLACED WITH NEW.
- ⑤ EXISTING THERMOSTAT TO BE REMOVED AND REPLACED WITH NEW.
- ⑥ EXISTING REFRIGERANT LINES BETWEEN CONDENSING UNITS AND AIR HANDLING UNITS TO BE REMOVED, AND REPLACED WITH NEW.

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17 100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

Hunter Golf Course Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450

DWG DATA

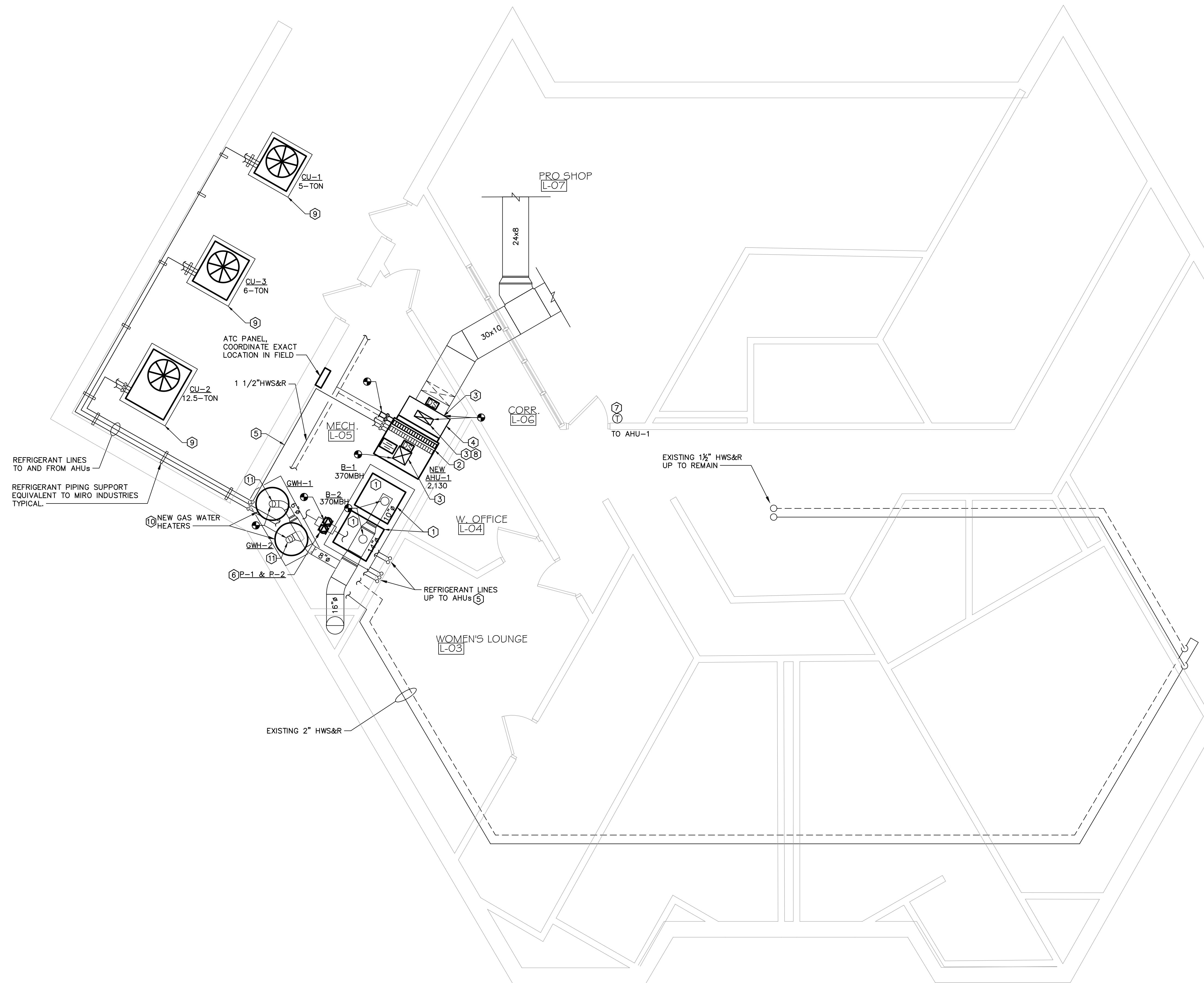
PROJECT NUMBER: 17-063
 SUBMISSION DATE: 5/03/17
 DRAWN: D.S.
 REVIEWED: D.S.
 SCALE: 1/4"=1'-0"

DWG TITLE

LOWER LEVEL MECHANICAL NEW WORK PLAN

DWG #

M-1.1



- GENERAL NOTES**
1. ALL REFRIGERANT PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
 2. REFRIGERANT PIPING SHOWN ON THIS DRAWING DOESN'T REPRESENT SIZE OR NUMBER OF PIPES, IT SHOWS GENERAL ROUTING, FOR EXACT NUMBER & SIZE OF PIPES REFER TO MANUFACTURERS DIAGRAMS.
 3. CONDENSING UNITS SHALL BE MOUNTED ON CONCRETE PADS.
 4. ALL NEW AND MODIFIED EQUIPMENT (AHU-1, AHU-2, AHU-3, BOILERS B-1&2, EXISTING HOT WATER PUMPS P-1&2) SHALL HAVE NEW VALVES AND CONTROLS, SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 5. BEFORE PLACING HIS ORDER, THE CONTRACTOR SHALL FIELD VERIFY EXACT DIMENSION OF ALL AIR HANDLING UNITS, SIZES OF HEATING AND COOLING COILS, BELT SIZES, AND MOTOR HORSE POWERS.

- DRAWING NOTES**
- 1 INSTALL NEW HOT WATER BOILER ON EXISTING CONCRETE PAD, RECONNECT BOILER TO EXISTING HOT WATER MAINS (V.I.F.), SEE HOT WATER BOILER DETAIL FOR ADDITIONAL INFORMATION. RECONNECT BOILER TO EXISTING BREECHING, MODIFY/REPLACE EXISTING VENTING AND DRAFT CONTROLS AS NECESSARY.
 - 2 CONNECT NEW AHU HOT WATER COIL TO EXISTING HOT WATER MAINS, PROVIDE NEW VALVES AND CONTROLS, SEE DETAILS FOR ADDITIONAL INFORMATION.
 - 3 CONNECT EXISTING DUCTWORK TO NEW AIR HANDLING UNIT, PROVIDE DUCT TRANSITIONS AS NECESSARY. PROVIDE FLEXIBLE CONNECTIONS AT THE UNIT.
 - 4 CONTRACTOR SHALL FIELD FABRICATE O.A./R.A. MIXING BOX, PROVIDE NEW MOTORIZED DAMPERS ON BOTH OUTSIDE AIR AND RETURN AIR DUCTS.
 - 5 COORDINATE EXACT REFRIGERANT PIPING ROUTING IN FIELD.
 - 6 FURNISH AND INSTALL NEW HOT WATER PUMPS AND TIE IT INTO NEW BAS.
 - 7 FURNISH AND INSTALL NEW THERMOSTAT AND TIE IT INTO NEW BAS. VERIFY EXACT LOCATION IN FIELD.
 - 8 AHU-1 OUTSIDE AIR MOTORIZED DAMPER LOCATED UP IN FAN ROOM.
 - 9 PROVIDE EQUIPMENT SUPPORT EQUAL TO MIRO INDUSTRIES INC.
 - 10 REPLACE EXISTING DOMESTIC HOT WATER HEATERS WITH NEW, SEE DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION, AND PIPE RECONNECTION.
 - 11 CONNECT NEW HOT WATER HEATER VENTING TO EXISTING BREECHING, MODIFY EXISTING BREECHING AS NECESSARY.

1 LOWER LEVEL FLOOR PLAN
 SCALE: 1/4"=1'-0"

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

**Hunter Golf Course
 Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450**

DWG DATA

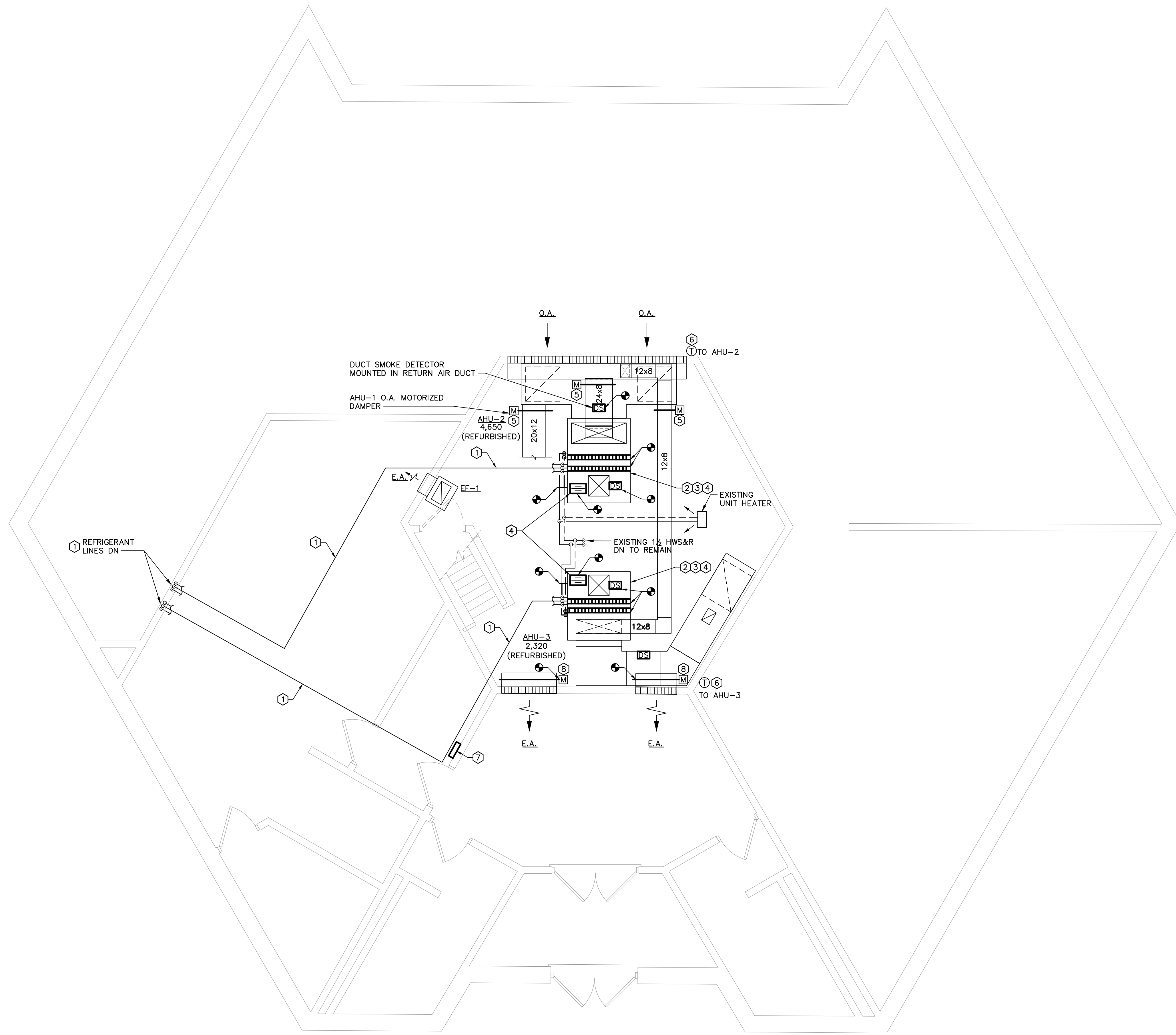
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SUBMISSION DATE:	5/03/17
DRAWN:	XXX
REVIEWED:	XXX
SCALE:	1/4"=1'-0"

DWG TITLE

**UPPER LEVEL/
 FAN ROOM
 MECHANICAL
 NEW WORK PLAN**

DWG #

M-1.2



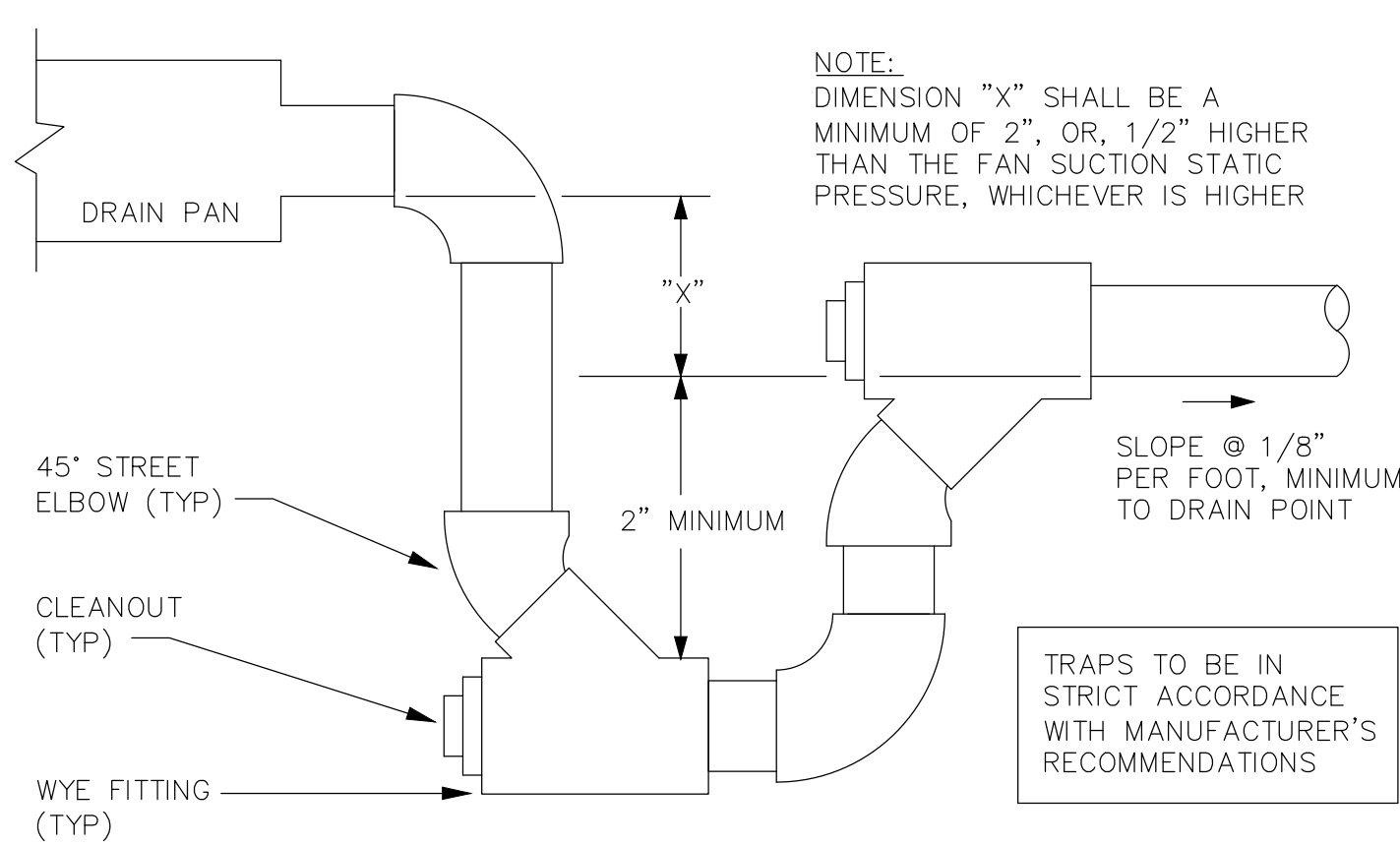
1 UPPER LEVEL/FAN ROOM FLOOR PLAN
 M-1.2 SCALE: 1/4"=1'-0"

GENERAL NOTES

- ALL REFRIGERANT PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- REFRIGERATION PIPING SHOWN ON THIS DRAWING DOESN'T REPRESENT SIZE OR NUMBER OF PIPES, IT SHOWS GENERAL ROUTING, FOR EXACT NUMBER & SIZE OF PIPES REFER TO MANUFACTURERS DIAGRAMS.
- CONDENSING UNITS SHALL BE MOUNTED ON CONCRETE PADS.
- ALL NEW AND MODIFIED EQUIPMENT (AHU-1, AHU-2, AHU-3, BOILERS B-1&2, EXISTING HOT WATER PUMPS P-1&2) SHALL HAVE NEW VALVES AND CONTROLS, SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- BEFORE PLACING HIS ORDER, THE CONTRACTOR SHALL FIELD VERIFY EXACT DIMENSION OF ALL AIR HANDLING UNITS, SIZES OF HEATING AND COOLING COILS, BELT SIZES, AND MOTOR HORSE POWERS.

DRAWING NOTES

- COORDINATE EXACT REFRIGERANT PIPING ROUTING IN FIELD.
- REPLACE EXISTING HOT WATER COIL WITH NEW, PROVIDE TIGHT SEAL AROUND THE COIL, MAKE SURE THERE ARE NO LEAKS, PROVIDE NEW VALVES AND CONTROLS, SEE HOT WATER DETAIL FOR ADDITIONAL INFORMATION.
- REPLACE EXISTING D/X COIL WITH NEW, PROVIDE TIGHT SEAL AROUND THE COIL, MAKE SURE THERE ARE NO LEAKS, PROVIDE NEW VALVES AND CONTROLS, INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- THE CONTRACTOR SHALL REFURBISH EXISTING AIR HANDLING UNIT AND BRING IT UP TO PERFECT WORKING CONDITION, CONTRACTOR SHALL:
 - EXAMINE EXISTING AHU INTERNAL INSULATION, AND REPAIR OR REPLACE IF NECESSARY (V.I.F.).
 - EXAMINE EXISTING AHU FOR LEAKS, REPLACE SEALS AS NECESSARY.
 - WASH AND VACUUM INTERIOR OF THE UNIT.
 - WASH AND VACUUM CONDENSATE DRAIN PAN, REPLACE IF NECESSARY.
 - REPLACE FAN BELTS WITH NEW.
 - REPLACE AHU FILTERS WITH NEW.
 - REPLACE EXISTING MOTOR WITH NEW PREMIUM EFFICIENCY, VERIFY HORSE POWER IN FIELD.
 - REPLACE EXISTING MOTORIZED DAMPERS WITH NEW.
 - REPLACE ALL FLEXIBLE DUCT CONNECTIONS.
 - EXAMINE EXISTING SPRING SUPPORTS REPLACE IF NECESSARY.
- FURNISH AND INSTALL NEW MOTORIZED DAMPER AND TIE IT INTO NEW BAS.
- FURNISH AND INSTALL NEW THERMOSTAT AND TIE INTO NEW BAS. VERIFY EXACT LOCATION IN FIELD.
- NEW ATC HEAD END CONTROLLER. COORDINATE EXACT LOCATION WITH OWNER.
- FURNISH AND INSTALL NEW MOTORIZED DAMPER, AND INTERLOCK IT WITH EXISTING EXHAUST FAN.



**COOLING COIL CONDENSATE TRAP
 DETAIL FOR DRAW-THRU COILS**
 NOT TO SCALE

AIR COOLED CONDENSING UNIT SCHEDULE							
TAG	MFR	MODEL	AMBIENT TEMP (°F)	CAPACITY (TONS)	REFRIGERANT TYPE	NUMBER OF REFRIGERANT CIRCUITS	NUMBER OF STEPS UNLOADING
CU-1	TRANE	4TTA4060A3000A	95	5	410A	1	1
CU-2	TRANE	TTA150H3	95	12 1/2	410A	2	2
CU-3	TRANE	TTA073G3	95	6	410A	1	1

TAG	MCA	MCB	VOLTS/PHASE	SERVES	WEIGHT	REMARKS
CU-1	21	35	208/3	AHU-1	211	
CU-2	56	70	208/3	AHU-2	514	
CU-3	30.5	50	208/3	AHU-3	345	

- GENERAL NOTES/ACCESSORIES:**
- ACCEPTABLE MANUFACTURERS BY: JCI & DAIKIN
 - SIZE AND QUANTITY OF REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS.
 - INSTALL REFRIGERANT PIPING IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
 - 5-YEAR WARRANTY
 1. 5 YEAR PARTS
 - 1 YEAR LABOR
 - TTA CONTROLS
 - 24V CONTROL CIRCUIT
 - CONTROL TRANSFORMER
 - ANTI-SHORT CYCLE TIMER
 - HOT GAS BY-PASS
 - LOW AMBIENT CONTROLS
 - COMPRESSORS-R410A MICROCHANNEL

AIR HANDLING UNIT SCHEDULE							
TAG	MFR	MODEL	TYPE	MINIMUM OA	AREA SERVED	WEIGHT	CONFIGURATION
AHU-1	TRANE	UCCAD06A0	INDOOR	420	LOWER LEVEL	710	VERTICAL/TOP FRONT W/HOUSED FAN

SUPPLY FAN								
TAG	CFM	ESP (IN WG)	TYPE	SIZE	RPM	HP	BHP	VFD
AHU-1	2,130	0.75"	FC	-	1137	1 1/2	1.051	NO

HOT WATER COIL										
TAG	EAT (°F)	LAT (°F)	MBH	EWT (°F)	LWT (°F)	GPM	PIPE RUNOUT SIZE (IN)	MAXIMUM VELOCITY (FPM)	MAXIMUM WPD (FT)	ROWS
AHU-1	54.5	95	94	180	150	6	1"	500	1	1

DX COIL										
TAG	EAT DB/WB (°F)	LAT DB/WB (°F)	TOTAL MBH	SENSIBLE MBH	REFRIG TYPE	SUCTION TEMP (°F)	NUMBER OF CIRCUITS	MAXIMUM VELOCITY (FPM)	ROWS	DRAIN PIPE SIZE (IN)
AHU-1	78.2/65.4	57.6/56.4	59.21	48.08	R410A		1	500	4	3/4"

TAG	MCA	MCB	VOLTS/PHASE	REMARKS
AHU-1	9.31	15	208/3	

- GENERAL NOTES/ACCESSORIES:**
- ACCEPTABLE MANUFACTURERS BY: JCI, & DAIKIN
 - HEATING CAPACITIES BASED UPON DESIGN HEATING CFM AND MINIMUM OUTDOOR AIR CFM, 0°F OA (WINTER), 70°F/30% RH RA
 - COOLING CAPACITIES BASED UPON DESIGN COOLING CFM AND MINIMUM OUTDOOR AIR CFM, 91°F DB / 73°F WB O.A., 75°F DB, 50% RH RA
 - AHU SHALL BE PREWIRED FOR SINGLE POINT POWER CONNECTION.
 - ALTERNATE MANUFACTURER OF EQUAL PERFORMANCE AND CAPACITY MUST HAVE SAME PHYSICAL DIMENSIONS, OTHERWISE BASE MANUFACTURER MUST BE SUPPLIED. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING DIMENSIONS IN FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STRUCTURAL AND MECHANICAL MODIFICATIONS AT NO COST TO OWNER.
 - PROVIDE DUCT SMOKE DETECTORS IN BOTH SUPPLY AND RETURN DUCTS
 - PROVIDE MERV-13 FILTERS.
 - AHU-1 UNIT SIZE - 57"Wx42"Dx62"H
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD. HE ALSO NEEDS TO MEASURE EXISTING UNIT AND ORDER NEW ONE WITH SAME DIMENSIONS.
 - PROVIDE DUCT TRANSITION AT THE UNIT AS NECESSARY V.I.F.
 - PROVIDE SPRING NEW ISOLATORS
 - PROVIDED FUSED DISCONNECT SWITCH WITH FUSES PER MANUFACTURER RECOMMENDATION.

- AHU MODULES:
- FIELD FABRICATED MIXING BOX
 - FLAT FILTER
 - HOT WATER HEATING COIL
 - D/X COOLING COIL
 - SUPPLY FAN SECTION

EXISTING AIR HANDLING UNIT REPLACEMENT COIL SCHEDULE				
TAG	MFR	CFM	MINIMUM OA	SERVES
AHU-2	TRANE	4,650	850	AHU-2
AHU-3	TRANE	2,320	330	AHU-3

HOT WATER COIL										
TAG	EAT (°F)	LAT (°F)	MBH	EWT (°F)	LWT (°F)	GPM	PIPE RUNOUT SIZE (IN)	MAXIMUM VELOCITY (FPM)	MAXIMUM WPD (FT)	ROWS
AHU-2	58	94.67	185	180	150	12	1 1/4"	500	2	1
AHU-3	58	95.38	94	180	150	6.2	1"	500	1	1

DX COIL										
TAG	EAT DB/WB (°F)	LAT DB/WB (°F)	TOTAL MBH	SENSIBLE MBH	REFRIG TYPE	NUMBER OF CIRCUITS	MAXIMUM VELOCITY (FPM)	ROWS	DRAIN PIPE SIZE (IN)	
AHU-2	77.9/65.2	54.0/53.3	166	122	R410A	2	500	4	3/4"	
AHU-3	77.3/64.7	55.2/54.6	708	56	R410A	1	500	4	3/4"	

- GENERAL NOTES/ACCESSORIES:**
- ACCEPTABLE MANUFACTURERS BY: JCI, & DAIKIN
 - HEATING CAPACITIES BASED UPON DESIGN HEATING CFM AND MINIMUM OUTDOOR AIR CFM, 0°F OA (WINTER), 70°F/30% RH RA
 - COOLING CAPACITIES BASED UPON DESIGN COOLING CFM AND MINIMUM OUTDOOR AIR CFM, 91°F DB / 73°F WB O.A., 75°F DB, 50% RH RA
 - CONTRACTOR SHALL MEASURE EXISTING COILS IN FIELD AND MAKE SURE THEY FIT INTO EXISTING UNITS. BLANK OFF EMPTY SPACES AROUND THE UNITS AS NECESSARY.
 - PROVIDE TIGHT SEAL AROUND ALL COILS TO PREVENT ANY AIR LEAKAGE.
 - INSTALL REFRIGERANT PIPING, VALVES, AND CONTROLS IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
 - PROVIDE RETURN DUCT MOUNTED HUMIDISTAT, AND CO2 SENSOR FOR EACH UNIT.
 - PROVIDE NEW DUCT SMOKE DETECTORS IN BOTH SUPPLY AND RETURN DUCTS

CAST IRON BOILER SCHEDULE (HOT WATER)										
TAG	MFR	MODEL	I-B-R MBH		NATURAL GAS		DESIGN PRESSURE (PSIG)	RELIEF VALVE SETTING (PSIG)	EWT/LWT (°F)	FLUE SIZE (IN)
			GROSS	NET	INPUT MBH	MINIMUM PRESSURE				
B-1	BURNHAM	809HE	370	322	460	5	50	30	150/180	10"
B-2	BURNHAM	809HE	370	322	460	5	50	30	150/180	10"

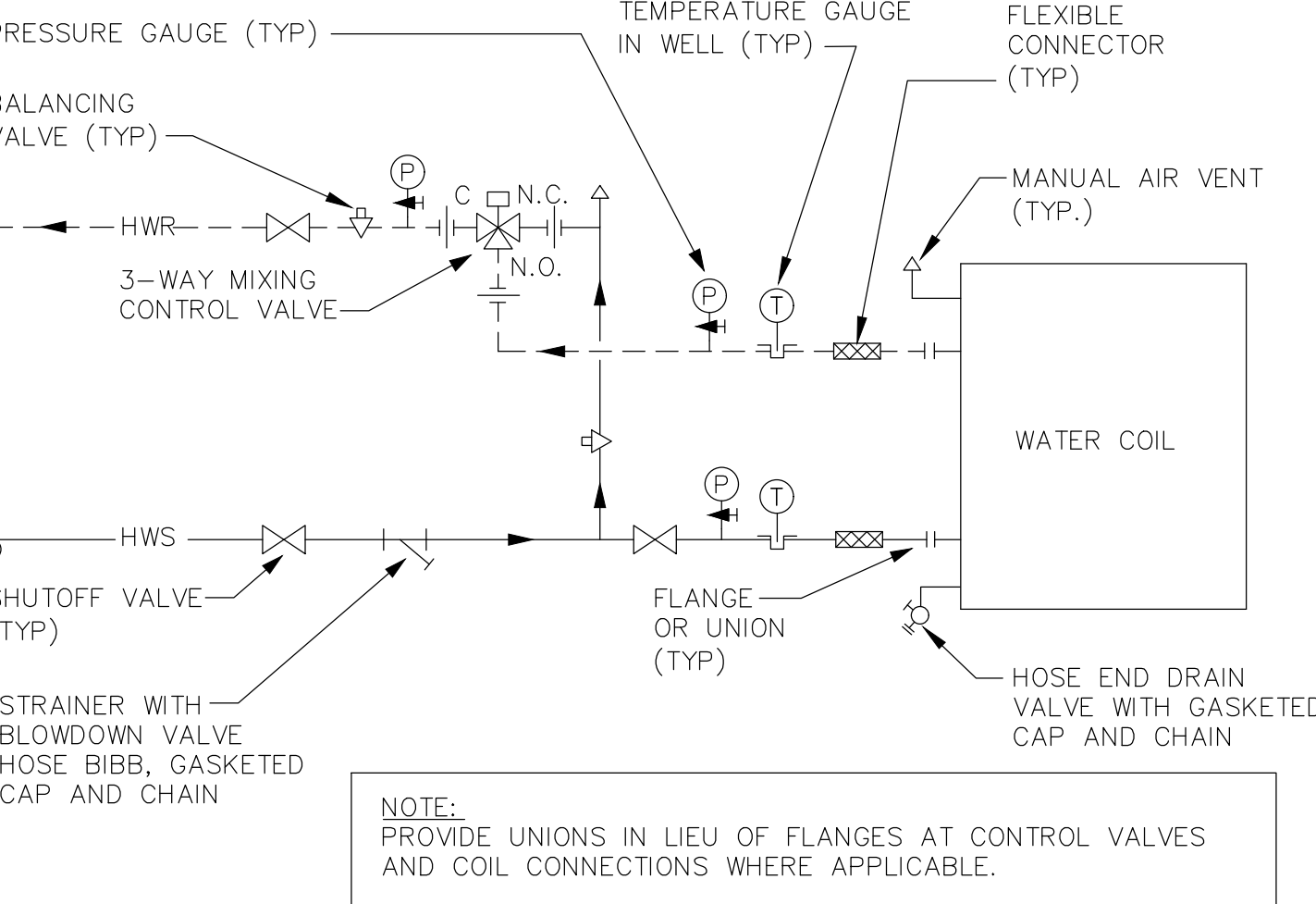
TAG	VOLTS/PHASE	WEIGHT (LBS)	UNIT SIZE WxDxH	REMARKS
B-1	120/1	970	35"x33.5"x32.5"	
B-2	120/1	970	35"x33.5"x32.5"	

- GENERAL NOTES/ACCESSORIES:**
- ACCEPTABLE MANUFACTURERS BY: WEIL-MCLAIN And WESSMANN MANUFACTURING CO.
 - LOW WATER CUT-OFF
 - FLAME ROLL-OUT SWITCH
 - HIGH LIMIT CONTROL
 - ELECTRONIC IGNITION
 - 50VA TRANSFORMER AND JUNCTION BOX
 - ALUMINIZED STEEL BURNERS
 - PRESSURE TEMPERATURE GAUGE
 - DELUXE JACKET WITH 3" INSULATION

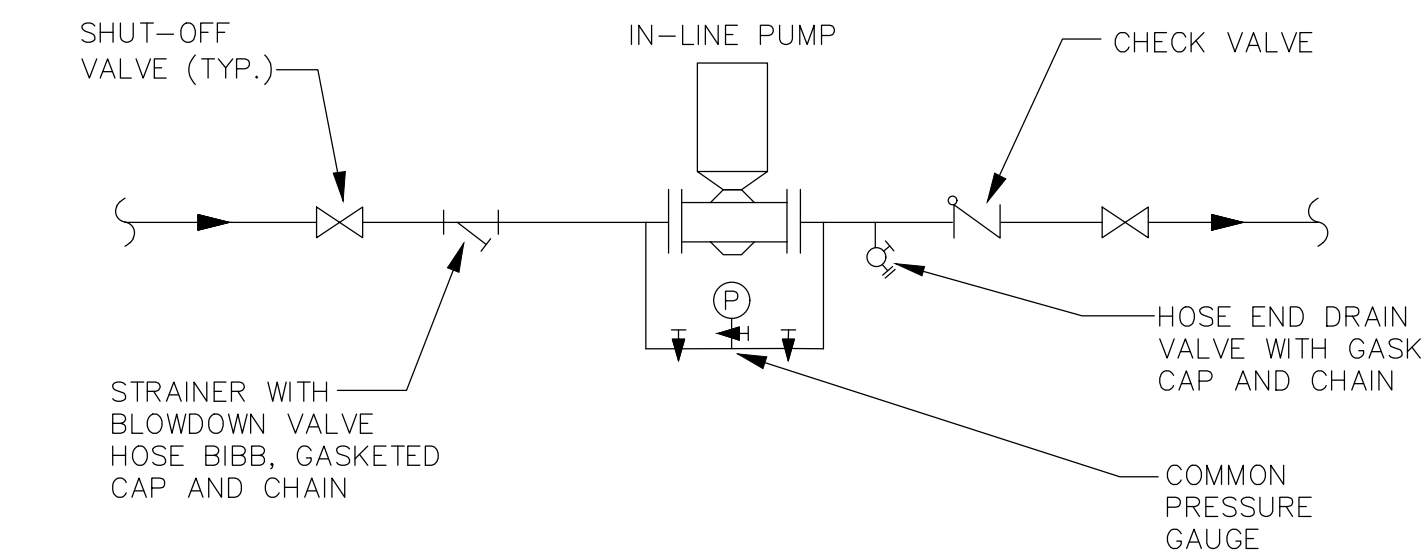
PUMP SCHEDULE						
TAG	MFR	TYPE	SERIES/SIZE MODEL NUMBER	GPM	FT OF HEAD (TDH)	SERVES
P-1	TACO, INC.	IN-LINE	00E/VR30	65	38	HOT WATER SYSTEM
P-2	TACO, INC.	IN-LINE	00E/VR30	65	38	HOT WATER SYSTEM

TAG	RPM	MOTOR HP	ECM MOTOR	VOLTS/PHASE	OPERATION	REMARKS
P-1	3450	2.175	YES	208/1	RUN/STAND-BY	
P-2	3450	2.175	YES	208/1	RUN/STAND-BY	

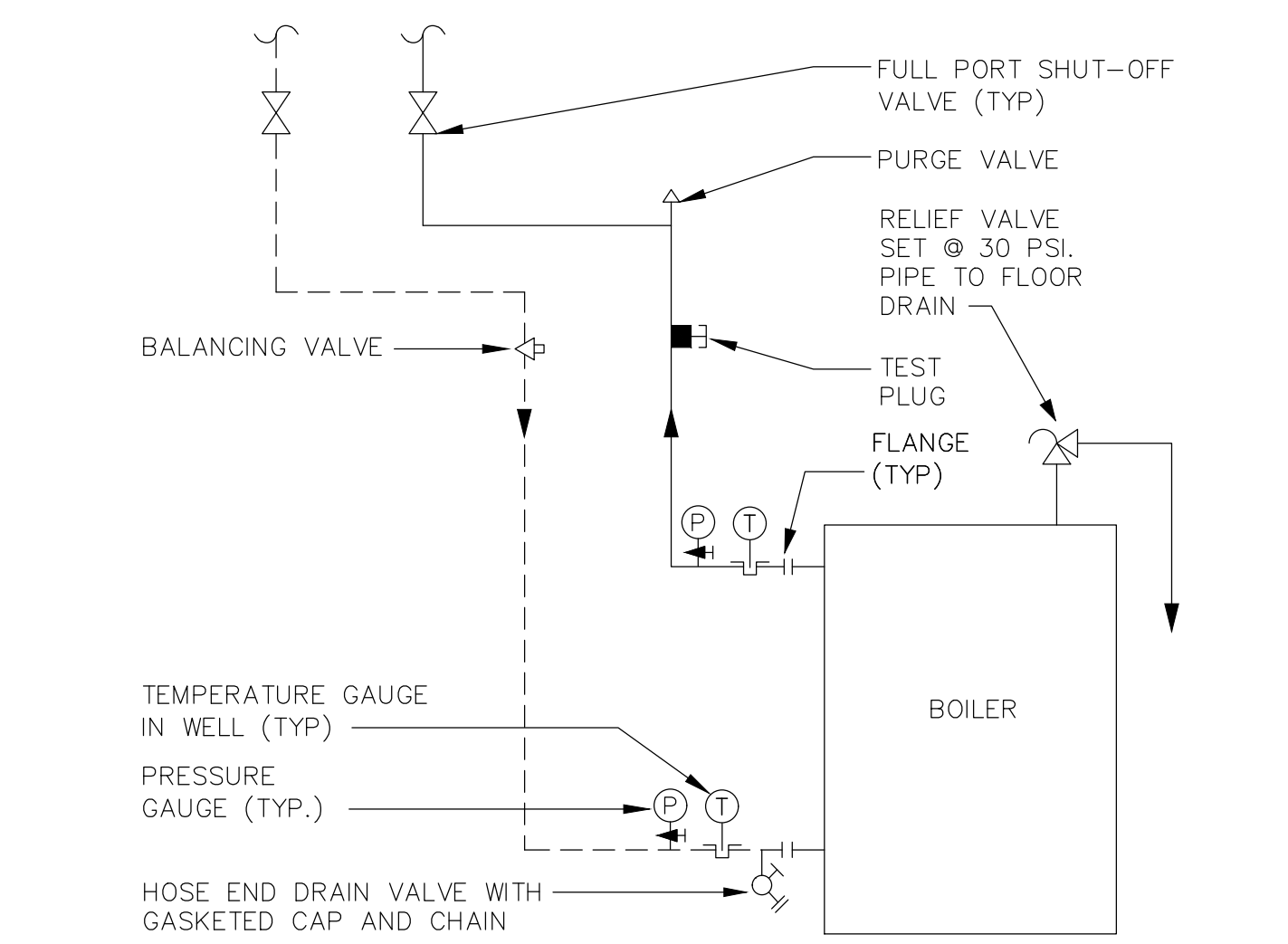
- GENERAL NOTES/ACCESSORIES:**
- ACCEPTABLE MANUFACTURERS BY: B&G, ARMSTRONG PUMPS INC., GRUNDFOS.
 - OPERATION MODES
 - CONSTANT PRESSURE CONTROL
 - VARIABLE DIFFERENTIAL PRESSURE CONTROL
 - PROPORTIONAL PRESSURE CONTROL
 - CONSTANT CURVE DUTY
 - RPM REGULATION
 - POWER LIMITATION (AMPS OR WATTS)
 - THE SENSORLESS PUMP CONTROL DOESN'T NEED OR ACCEPT A REMOTE REFERENCE SIGNAL TO OPERATE IN ANY OF THE MODES
 - PROVIDE MAXIMUM IMPELLER DIAMETER FOR NON-OVERLOADING PERFORMANCE FOR SPECIFIED HORSEPOWER. TRIM AND BALANCE IMPELLER AFTER SYSTEM HAS BEEN INSTALLED AND OPERATED.



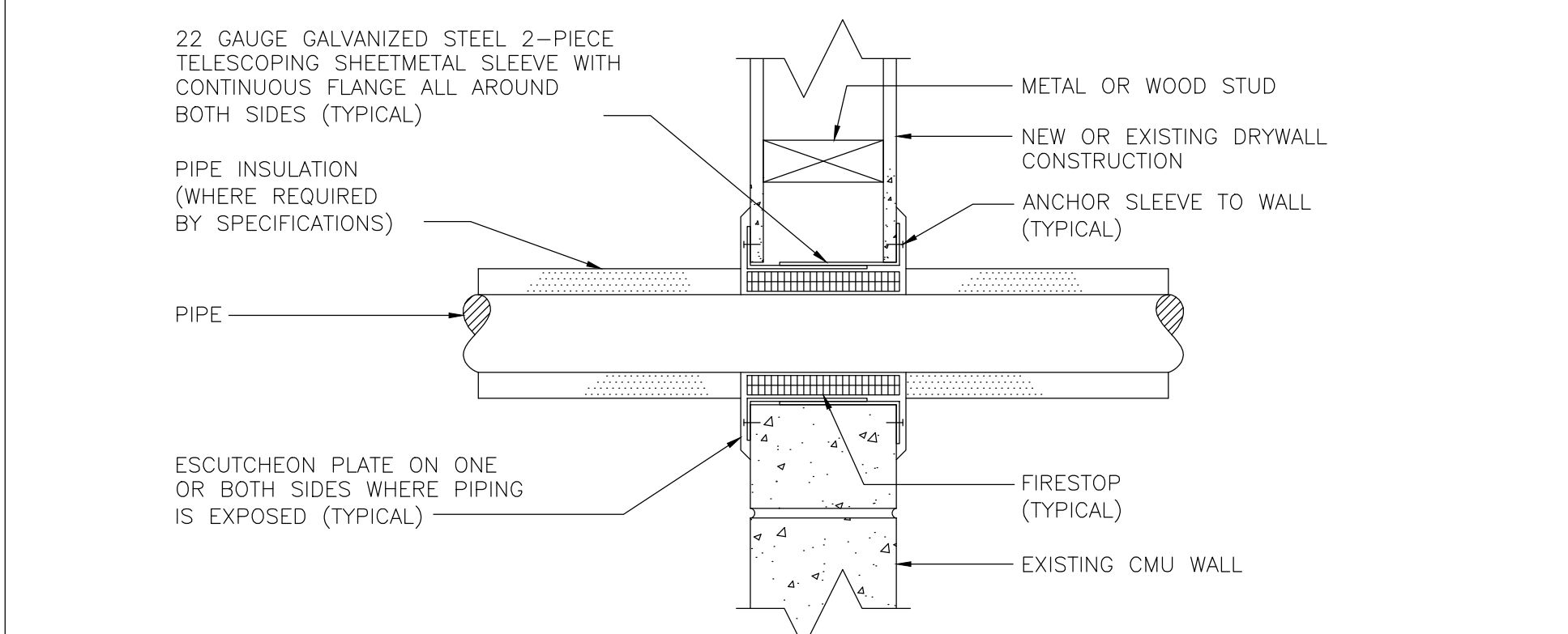
3-WAY WATER COIL PIPING DETAIL
 NOT TO SCALE



IN-LINE PUMP DETAIL
 NOT TO SCALE



TYPICAL HYDRONIC BOILER PIPING DETAIL
 NOT TO SCALE



DETAIL - PIPE SLEEVE
 NOT TO SCALE

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17 100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

**Hunter Golf Course
 Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450**

DWG DATA

PROJECT NUMBER: 17-063
 SUBMISSION DATE: 5/03/17
 DRAWN: D.S.
 REVIEWED: D.S.
 SCALE: NONE

DWG TITLE

MECHANICAL DETAILS AND SCHEDULES

DWG #

M-2.1

PLUMBING GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS. DO NOT SCALE DRAWINGS.
4. PLUMBING CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.
5. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR THE ROUTING AND INSTALLATION OF ALL SYSTEMS TO AVOID CONFLICTS BETWEEN PLUMBING AND OTHER TRADES. ANY WORK COMPLETED WITHOUT COORDINATION OF TRADES SHALL BE REMOVED AND REDONE AT NO COST TO THE OWNER.
6. ALL OPENINGS IN EXTERIOR WALLS FOR MEP SYSTEMS SHALL BE SEALED WEATHER-TIGHT BY THE WATERPROOFING, DAMPPROOFING, CAULKING AND SEALANT FILED SUB-BIDDER. GENERAL CONTRACTOR TO PROVIDE FIRE RATED SEALANTS AS REQUIRED AT FIRE RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES.
7. PLUMBING CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTAL FRAMING BETWEEN PRIMARY FRAMING TO SUPPORT PLUMBING SYSTEM. SYSTEM SHALL NOT BE SUPPORTED FROM ROOF DECK.
8. THE PLUMBING CONTRACTOR SHALL RUN TIGHT TO STRUCTURE, UNLESS OTHERWISE NOTED, TO AVOID CONFLICTS.

PLUMBING VALVE / FITTING SYMBOL LEGEND

	CONNECT TO EXISTING
	CIRCULATOR PUMP
	PIPE CAP
	UNION
	VALVE, BALL
	VALVE, CHECK
	VALVE, GAS (BALL OR PLUG)

PLUMBING PIPING SYMBOL LEGEND

	NATURAL GAS PIPING
	VENT PIPING
	WATER PIPING - COLD
	WATER PIPING - HOT
	WATER PIPING - HOT RECIRCULATION
	PIPING - EXISTING

GAS FIRED WATER HEATER SCHEDULE

TAG	MFR	MODEL	LOCATION	FUEL TYPE	MBH INPUT	STORAGE CAP. (GAL.)	RECOVERY IN GPH @ 100°F	THERMAL EFFICIENCY %	STANDBY LOSSES BTU/HR	VENT SIZE	GASS CONN.	INLET/OUTLET WATER CONN.	VOLTS/φ	REMARKS
GWH-1	A.O. SMITH	BT-80	MECH ROOM	NATURAL GAS	76 @ 5" W.C.	80	73	80	N/A	4"	3/4"	1"	120/1	CONTRACTOR TO PROVIDE START-UP WITH FULL WRITTEN REPORT. WATER HEATER TEMPERATURE SET AT 140°F.
GWH-2	A.O. SMITH	BT-80	MECH ROOM	NATURAL GAS	76 @ 5" W.C.	80	73	80	N/A	4"	3/4"	1"	120/1	CONTRACTOR TO PROVIDE START-UP WITH FULL WRITTEN REPORT. WATER HEATER TEMPERATURE SET AT 140°F.

GENERAL NOTES:

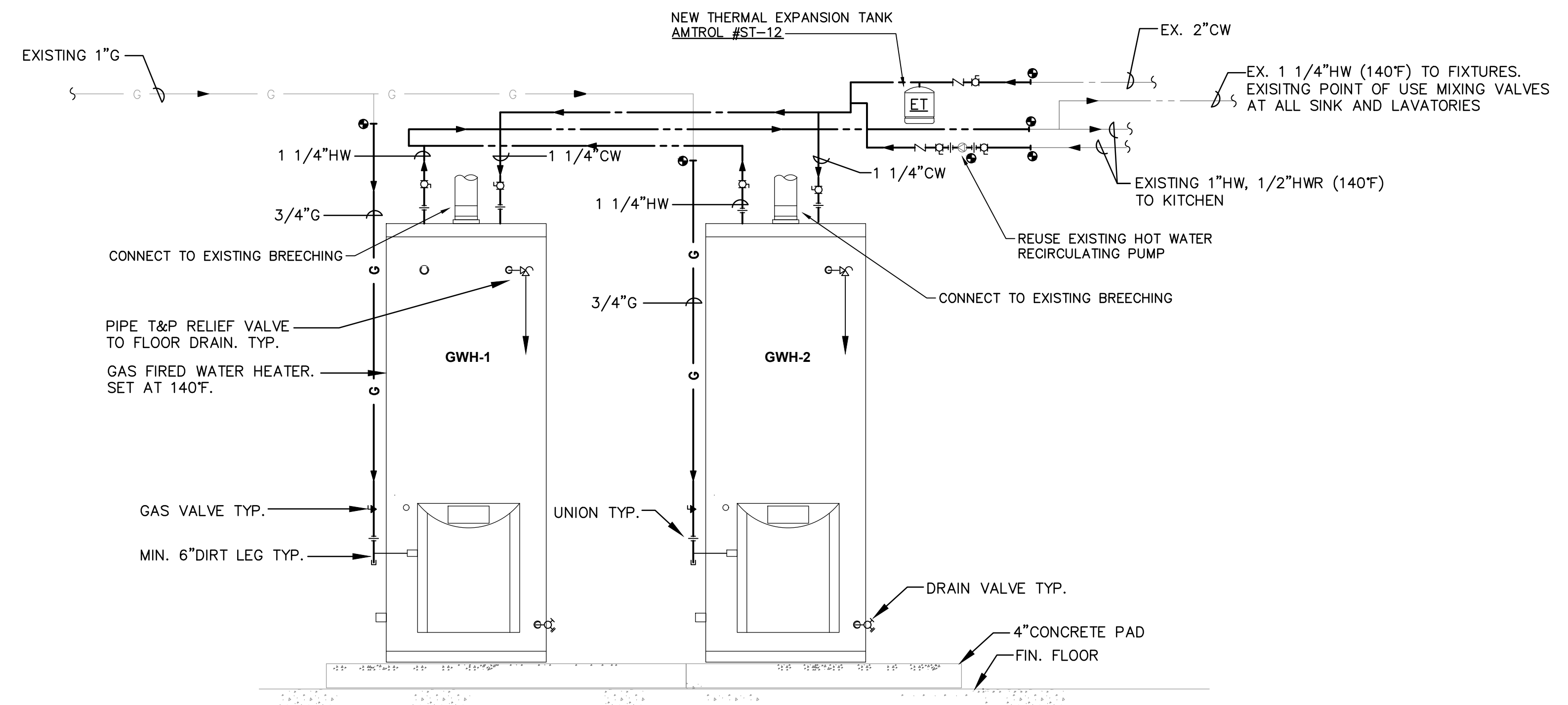
1. THE WATER HEATER SHALL BE FACTORY ASSEMBLED, AND SHALL INCLUDE HOOKUPS FOR ELECTRICAL, GAS, VENTING AND PLUMBING. THE BURNER SHALL BE A HIGH EFFICIENCY TYPE. IGNITION SHALL BE BY AN ELECTRONIC PILOT SYSTEM WITH AUTOMATIC SAFETY CONTROLS FOR HIGH LIMIT, GAS PRESSURE REGULATOR, VENTING SHALL BE U.L. RATED FOR USE WITH CPVC. THE WATER HEATER SHALL BE CONSTRUCTED TO ASME CODE, CERTIFIED BY CSA, AND APPROVED BY NSF FOR DOMESTIC HOT WATER USE.
2. PROVIDE ASME PRESSURE/TEMPERATURE RELIEF VALVE FOR THE WATER HEATER.
3. THE WATER HEATER SHALL COMPLY WITH THE ENERGY EFFICIENCY REQUIREMENTS FOR STANDBY LOSS AND THERMAL EFFICIENCY AS SPECIFIED IN THE LATEST EDITION OF ASHRAE 90.1 STANDARD.

DOMESTIC EXPANSION TANK SCHEDULE

TAG	MFR	MODEL	SYSTEM SERVED	GAL	ACCEPT FACTOR	AIR PRE-CHARGE (PSIG)	MAX PRESSURE (PSIG)	REMARKS
ET-1	AMTROL	ST-12	DOMESTIC WATER HEATING	4.4	3.2	50	150	

GENERAL NOTES:

1. PROVIDE ASME RATED TANK, TO BE PROVIDED FOR GWH



DOMESTIC HOT WATER HEATER SCHEMATIC PIPING DETAIL
 NOT TO SCALE

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17 100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

Hunter Golf Course Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450

DWG DATA

PROJECT NUMBER: 17-063
 SUBMISSION DATE: 5/03/17
 DRAWN: MK
 REVIEWED: DS
 SCALE: NOT TO SCALE

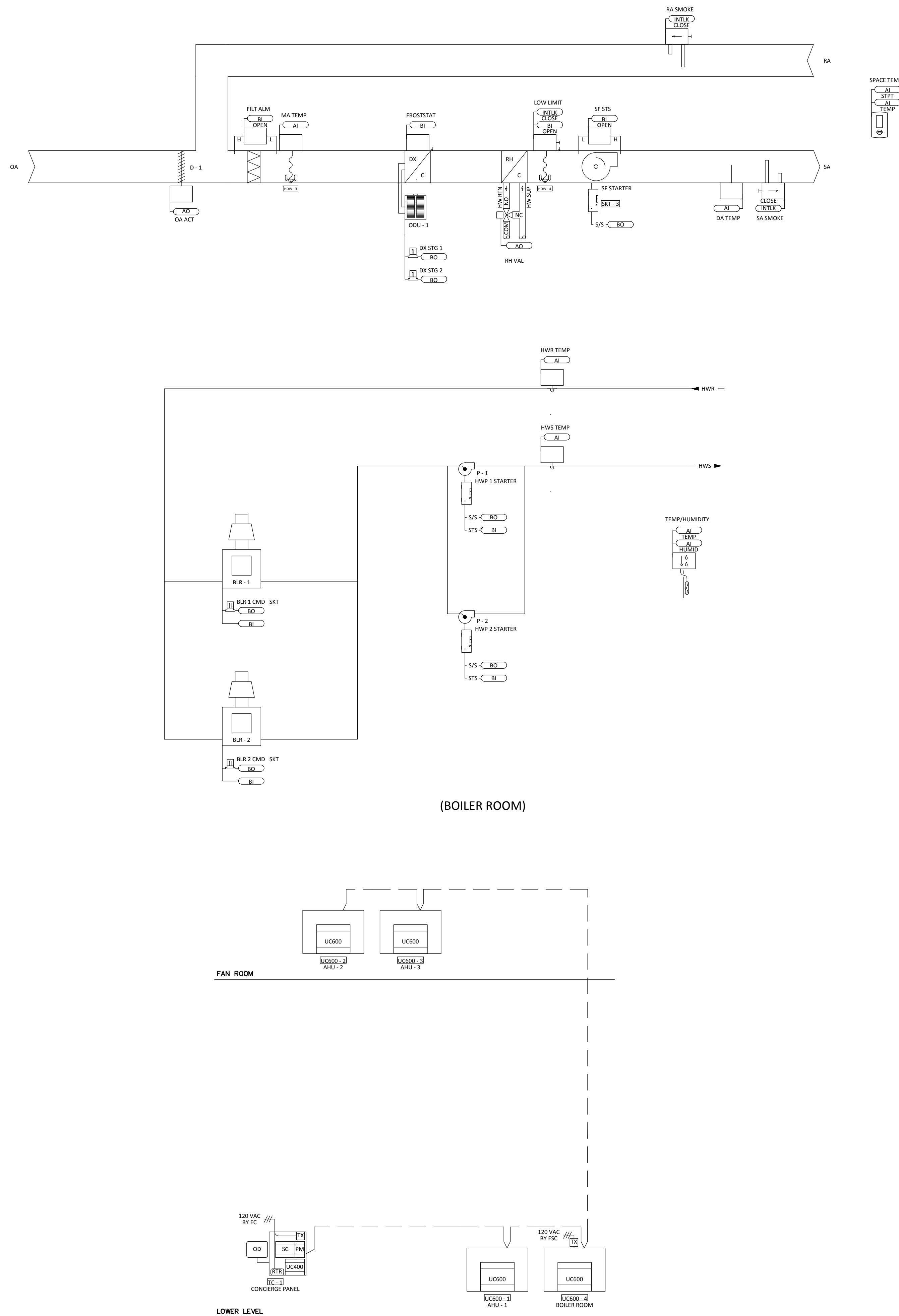
DWG TITLE

PLUMBING SCHEDULES AND DETAIL

DWG #

M-2.2

AHU-1,2&3



Boiler Room Sequence of Operations

General Description: The hot water system consists of multiple boilers and associated pumps. The Building Automation System (BAS) controller shall provide stand-alone control or BAS workstation control of the supply heating water temperature setpoint (adj.) by controlling the boiler's enable/disable boiler signal and hot water tempering valve.

Heating System Enable/Disable: The heating system shall be enabled when the outside air temperature falls below 60.0 deg. F (adj.). When enabled, the BAS controller shall start the lead hot water distribution pump and enable the lead boiler. The boiler factory control shall operate the boiler to maintain its local supply setpoint.

Heating shall be disabled when the outdoor air temperature is above 65.0 deg. F (adj.). When heating is disabled, the hot water pumps and boilers shall be commanded to OFF. The BAS shall be able to individually enable the hot water distribution pumps or the boilers.

Boiler Control: The boiler lead/lag sequence shall be based on a weekly schedule from the BAS, an operator shall be able to manually change the lead/lag sequence.

If the hot water distribution system supply temperature falls more than 25.0 deg. F (adj.) below setpoint for a period longer than 15 minutes (adj.), or if an active boiler signals a failure alarm, the BAS controller shall enable the lag boiler. In addition, the BAS controller shall send an alarm to the BAS workstation. When a boiler failure exists, lead/lag automation shall be disabled and the currently running boiler shall become the lead boiler. Once the problem is corrected, the operator shall be able to clear the alarm failure from the BAS controller or BAS workstation. This shall re-enable the lead/lag sequence.

Once the lead boiler is enabled, the add sequence of additional boilers shall be disabled for a period of 30 minutes (adj.). Additional boilers are added if the hot water distribution system supply temperature falls 5.0 deg. F (adj.) below the hot water setpoint for a period of 10 minutes (adj.) or more.

The last boiler enabled shall be disabled when the hot water temperature rises 5.0 deg. F (adj.) above the hot water setpoint for a period of 10 minutes (adj.) or more. Additional boilers shall be disabled following the same subtraction sequence if the hot water temperature remains 5.0 deg. F (adj.) above the hot water setpoint for a period of 10 minutes (adj.) or more.

Hot Water Reset: The hot water supply temperature setpoint shall be linearly reset from 120.0 deg. F (adj.) to 180.0 deg. F (adj.) as the outside air temperature falls from 60.0 deg. F (adj.) to 0.0 deg. F (adj.).

Hot Water Distribution Pump Start/Stop: The BAS controller shall start a hot water pump through a contact closure of the pump's motor starter enable contacts.

Hot Water Distribution Pump Status: The BAS controller shall detect hot water pump run status by a current switch.

Hot Water Distribution Pump Lead/Lag: The hot water pump lead/lag sequence shall be based on a weekly schedule from the BAS, an operator shall be able to manually change the lead/lag sequence.

Hot Water Distribution Pump Failure: If the lead start/stop relay is enabled and the current switch status is off for more than 30 seconds (adj.), the BAS controller shall announce a hot water pump failure alarm to the BAS workstation and starts the lag pump. When a pump failure exists, lead/lag automation shall be disabled and the currently running pump becomes the lead pump. Once the problem has been corrected, the operator shall be able to clear the alarm failure from the BAS controller or BAS workstation. This action shall re-enable the lead/lag sequence.

Freeze Protection: When the outdoor air temperature falls below 35.0 deg. F (adj.), the hot water distribution pump shall operate continuously to provide hot water circulation to all associated hot water coils. If the hot water supply temperature falls below 130.0 deg. F (adj.) during unoccupied periods, the boiler sequence shall be enabled to safeguard against low water temperature and boiler condensation.

Air Handling Unit Sequence of Operations

Building Automation System Interface: The Building Automation System (BAS) shall send the controller Occupied Bypass, Morning Warm-up/Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Optimal Start: The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode: During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and supply fan. The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Pre-Cool Mode: During optimal start, if the space temperature is above the occupied cooling setpoint, pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling. The outside air damper shall remain closed. When the space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Optimal Stop: The BAS shall monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller shall maintain the space temperature to the space temperature offset setpoint. Outside air damper shall remain enabled to provide minimum ventilation.

Occupied Bypass: The BAS shall monitor the status of the "on" and "cancel" buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Heat/Cool Mode: When the space temperature rises above the occupied cooling setpoint the mode shall transition to cooling. When the space temperature falls below the occupied heating setpoint the mode shall transition to heating. When the space temperature is above the occupied cooling setpoint or below the occupied heating setpoint the mode shall remain in its last state. If the space temperature sensor fails the mode shall remain in its last state and an alarm shall be announced at the BAS. If the local and communicated setpoints fail the controller shall disable the supply fan and an alarm shall be announced at the BAS.

Mixed Air Low Limit: The initial damper opening rate shall be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper shall modulate to a position less than the minimum damper position if the mixed air temperature drops below 50.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm shall be announced at the BAS and the outside air damper shall return to the minimum position.

Freeze Protection: A hardwired, low limit temperature switch shall be electrically interlocked with the motor starter. If the low limit temperature switch is tripped 38.0 deg. F (adj.), the outside air damper shall close, all valves shall open to 100% (adjust per climate), all stages of DX cooling shall be disabled and an alarm shall be announced at the BAS. A manual reset of the low limit temperature switch shall be required to restart the fan.

Smoke Detector Shutdown: The unit shall shut down in response to a signal from either smoke detector indicating the presence of smoke. The smoke detectors shall be interlocked to the unit through the dry contacts of the smoke detectors. A manual reset of the smoke detectors shall be required to restart the unit.

High Condensate Level: The unit shall shut down in response to a signal from drain pan overflow sensor. Alarm shall be announced at the BAS. A manual reset shall be required to restart the unit.

Filter Status: A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes during normal operation a dirty filter alarm shall be announced at the BAS.

Exhaust Fan Sequence of Operations

Building Automation System Interface: The Building Automation System (BAS) shall enable/disable these units based on the same Time of Day schedule as the Air Handling Units.

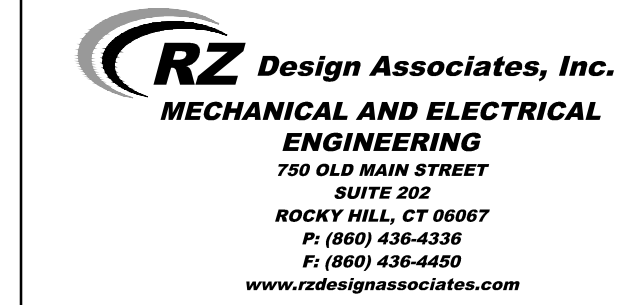
Occupied: The BMS will begin operation by commanding the isolation controls damper to open. Once the damper is proven open, via the damper end switch, the fan will start.

Un-Occupied: The BMS will command the isolation controls damper to close. The damper end switch will shut down the fan.

Fan Failure Alarm: The BMS will monitor the operation of the fan. If after 30 seconds of operation and no indication that the fan has begun operation the BMS will send a fan failure alarm to the BAS.

NEW BUILDING AUTOMATION CONTROLS (BAS)

- FURNISH AND INSTALL NEW TEMPERATURE CONTROLS AS MANUFACTURED BY TRANE, OR ACCEPTABLE EQUIVALENT BY JCI. CONTROLS SHALL BE WEB BASED WITH BACnet INTERFACE, ACCESSIBLE FROM ANY WIRELESS DEVICE.
- LIST OF EQUIPMENT TO BE CONTROLLED BY NEW BUILDING AUTOMATION SYSTEM (BAS):
 - NEW BOILERS B-1 & B-2 (RUN/STAND-BY)
 - EXITING HOT WATER PUMPS P-1 & P-2 (RUN/STAND-BY)
 - AIR HANDLING UNITS AHU-1, AHU-2 & AHU-3
 - CONDENSING UNITS CU-1, CU-2 & CU-3
- PROVIDE WALL MOUNTED THERMOSTATS WITH DISPLAY, AND MAXIMUM 2-DEGREE UP AND DOWN ADJUSTMENT. FULL TEMPERATURE CONTROL THRU BAS ONLY.
- AHU-1, AHU-2 & AHU-3
 - FURNISH AND INSTALL NEW CONDENSATE DRAIN OVERFLOW SENSORS, AND TIE IT BACK TO NEW BAS.
 - REPLACE ALL MOTORIZED DAMPERS, AND TIE IT BACK TO NEW BAS.
 - FURNISH AND INSTALL NEW DUCT SMOKE DETECTORS, AND TIE IT BACK TO NEW BAS.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING BETWEEN ALL INDOOR AND OUTDOOR UNITS. ALL CONTROLS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.



SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17 100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

Hunter Golf Course Clubhouse
688 Westfield Rd.
Meriden, CT 06450

DWG DATA

PROJECT NUMBER: 17-063
SUBMISSION DATE: 5/03/17
DRAWN: D.S.
REVIEWED: D.S.
SCALE: NONE

DWG TITLE

MECHANICAL CONTROLS

DWG #

M-3.1

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

MECHANICAL
IMPROVEMENTS

Hunter Golf Course
Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450

DWG DATA

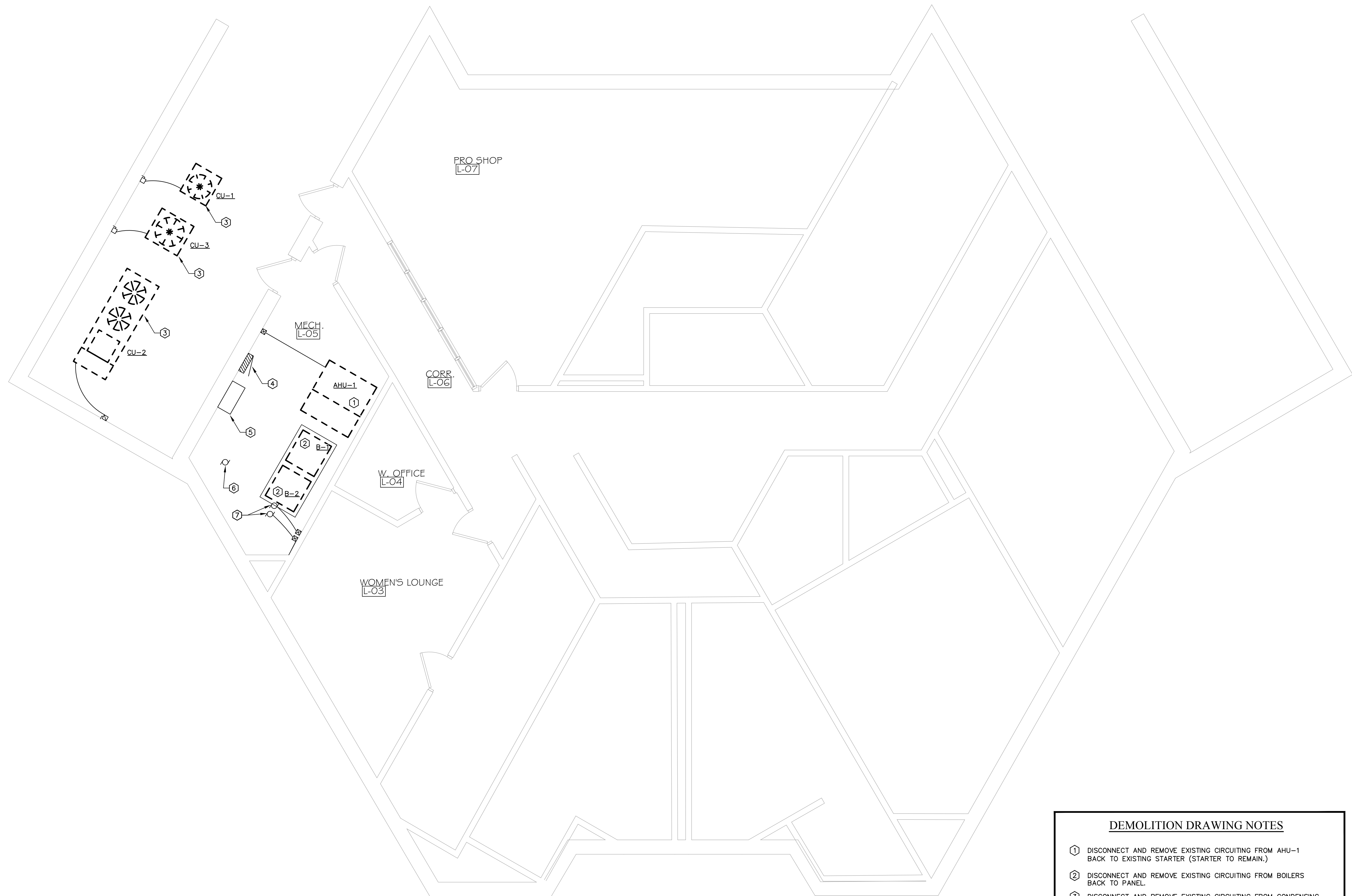
PROJECT NUMBER:	17-063
SUBMISSION DATE:	5/03/17
DRAWN:	DSL
REVIEWED:	DSL
SCALE:	1/4"=1'-0"

DWG TITLE

LOWER LEVEL
ELECTRICAL
DEMOLITION PLAN

DWG #

ED-1.1



1 LOWER LEVEL FLOOR PLAN
 ED-1.1 SCALE: 1/4"=1'-0"

DEMOLITION DRAWING NOTES

- ① DISCONNECT AND REMOVE EXISTING CIRCUITING FROM AHU-1 BACK TO EXISTING STARTER (STARTER TO REMAIN.)
- ② DISCONNECT AND REMOVE EXISTING CIRCUITING FROM BOILERS BACK TO PANEL.
- ③ DISCONNECT AND REMOVE EXISTING CIRCUITING FROM CONDENSING UNIT BACK TO DISCONNECT SWITCH (DISCONNECT TO REMAIN.)
- ④ EXISTING PANEL 'MDP' TO REMAIN.
- ⑤ EXISTING MAIN SWITCH AND CT TO REMAIN.
- ⑥ DISCONNECT EXISTING CIRCUIT FROM HOT WATER CIRCULATOR. RETAIN CIRCUIT FOR CONNECTION TO NEW.
- ⑦ DISCONNECT AND REMOVE EXISTING CIRCUITING FROM BOILER PUMPS BACK TO STARTERS (STARTERS TO REMAIN.)

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

**MECHANICAL
IMPROVEMENTS**

**Hunter Golf Course
Clubhouse
688 Westfield Rd.
Meriden, CT 06450**

DWG DATA

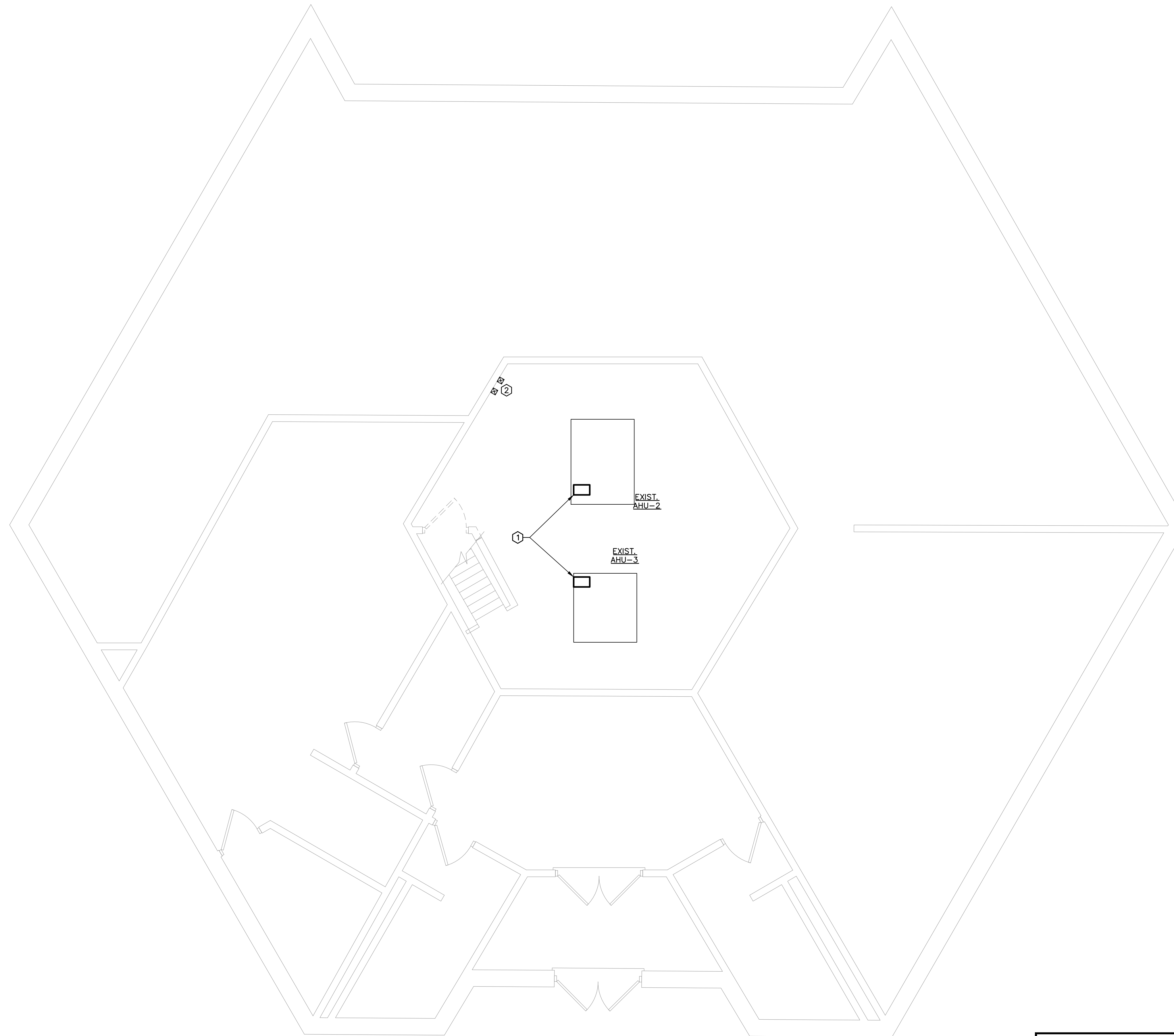
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SUBMISSION DATE:	5/03/17
DRAWN:	DSL
REVIEWED:	DSL
SCALE:	1/4"=1'-0"

DWG TITLE

**UPPER LEVEL/
FAN ROOM
ELECTRICAL
DEMOLITION PLAN**

DWG #

ED-1.2



1 UPPER LEVEL/FAN ROOM FLOOR PLAN
 ED-1.2 SCALE: 1/4"=1'-0"

DRAWING NOTES

- ① DISCONNECT EXISTING CIRCUIT FROM MOTOR PRIOR TO MOTOR REMOVAL. RETAIN CIRCUIT FOR RECONNECTION.
- ② EXISTING AHU-2 AND AHU-3 STARTERS AND CIRCUITS TO REMAIN.

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH
□	NON-FUSED DISCONNECT SWITCH
□	FUSED DISCONNECT SWITCH
⊞	MOTOR STARTER
⊞	ELECTRIC PANEL
—	BRANCH CIRCUIT WIRING
—	BRANCH CIRCUIT HOMERUN
C/B	CIRCUIT BREAKER

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

MECHANICAL IMPROVEMENTS

Hunter Golf Course Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450

DWG DATA

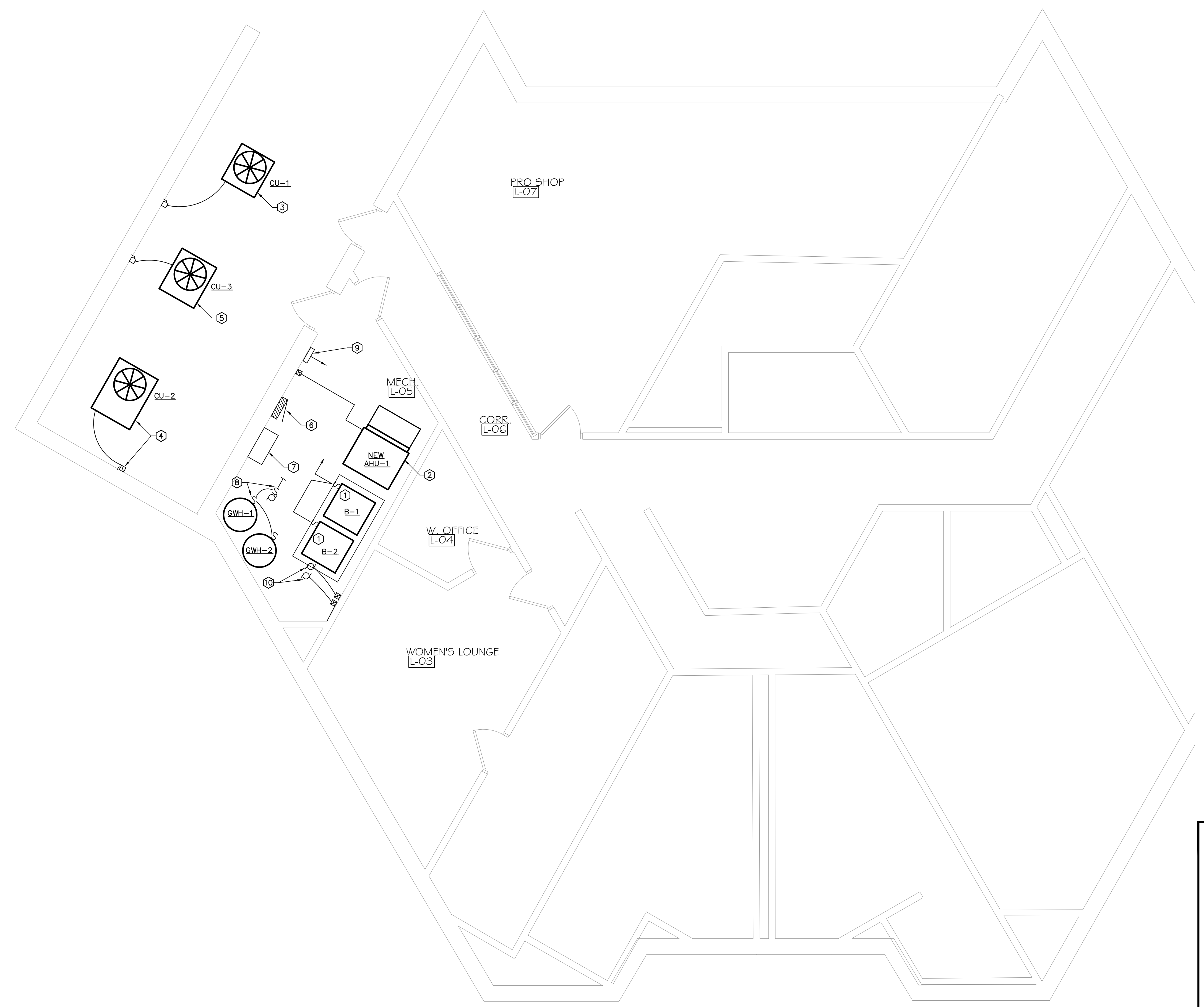
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SUBMISSION DATE:	5/03/17
DRAWN:	DSL
REVIEWED:	DSL
SCALE:	1/4"=1'-0"

DWG TITLE

LOWER LEVEL ELECTRICAL NEW WORK PLAN

DWG #

E-1.1



1 LOWER LEVEL FLOOR PLAN
 E-1.1 SCALE: 1/4"=1'-0"

- NEW WORK DRAWING NOTES**
- ① PROVIDE NEW CIRCUIT FOR NEW BOILERS (2#12+#12G) TO EXISTING SPARE 20A-1P C/B IN PANEL 'MDP.' PROVIDE DISCONNECTING SWITCH AT EACH BOILER.
 - ② PROVIDE NEW CIRCUIT FOR NEW AHU-1 (2#12+#12G) FROM EXISTING STARTER. PROVIDE NEW OVERLOADS IN EXISTING STARTER FOR NEW AHU MOTOR (PER NEC 430.42.)
 - ③ NEW CIRCUIT FROM EXISTING DISCONNECT SWITCH TO NEW CU-1, (3#10+ #10G~3/4"C.)
 - ④ NEW CIRCUIT FROM EXISTING DISCONNECT SWITCH TO NEW CU-2, (3#6+ #8G~1"C.) PROVIDE NEW 70A FUSES IN DISCONNECT.
 - ⑤ NEW CIRCUIT FROM EXISTING DISCONNECT SWITCH TO NEW CU-3, (3#8+ #10G~3/4"C.)
 - ⑥ EXISTING PANEL 'MDP' TO REMAIN.
 - ⑦ EXISTING MAIN SWITCH AND CT TO REMAIN.
 - ⑧ RECONNECT EXISTING CIRCUIT TO NEW CIRCULATOR, AND EXTEND CIRCUIT TO NEW WATER HEATERS.
 - ⑨ TEMPERATURE CONTROL PANEL (SEE MECH DWGS.) ROUTE 2#12+ #12G~3/4"C TO NEW 20A-1P C/B IN PANEL 'MDP.'
 - ⑩ PROVIDE NEW CIRCUITS FOR NEW BOILER PUMPS (2#12+ #12G) FROM EXISTING STARTERS. PROVIDE NEW OVERLOADS IN EXISTING STARTERS FOR NEW PUMP MOTORS (PER NEC 430.42.)

SEAL

CONSULTANTS

SUBMISSION HISTORY

05/03/17	100% CD

JOB INFO

MECHANICAL
IMPROVEMENTS

Hunter Golf Course
Clubhouse
 688 Westfield Rd.
 Meriden, CT 06450

DWG DATA

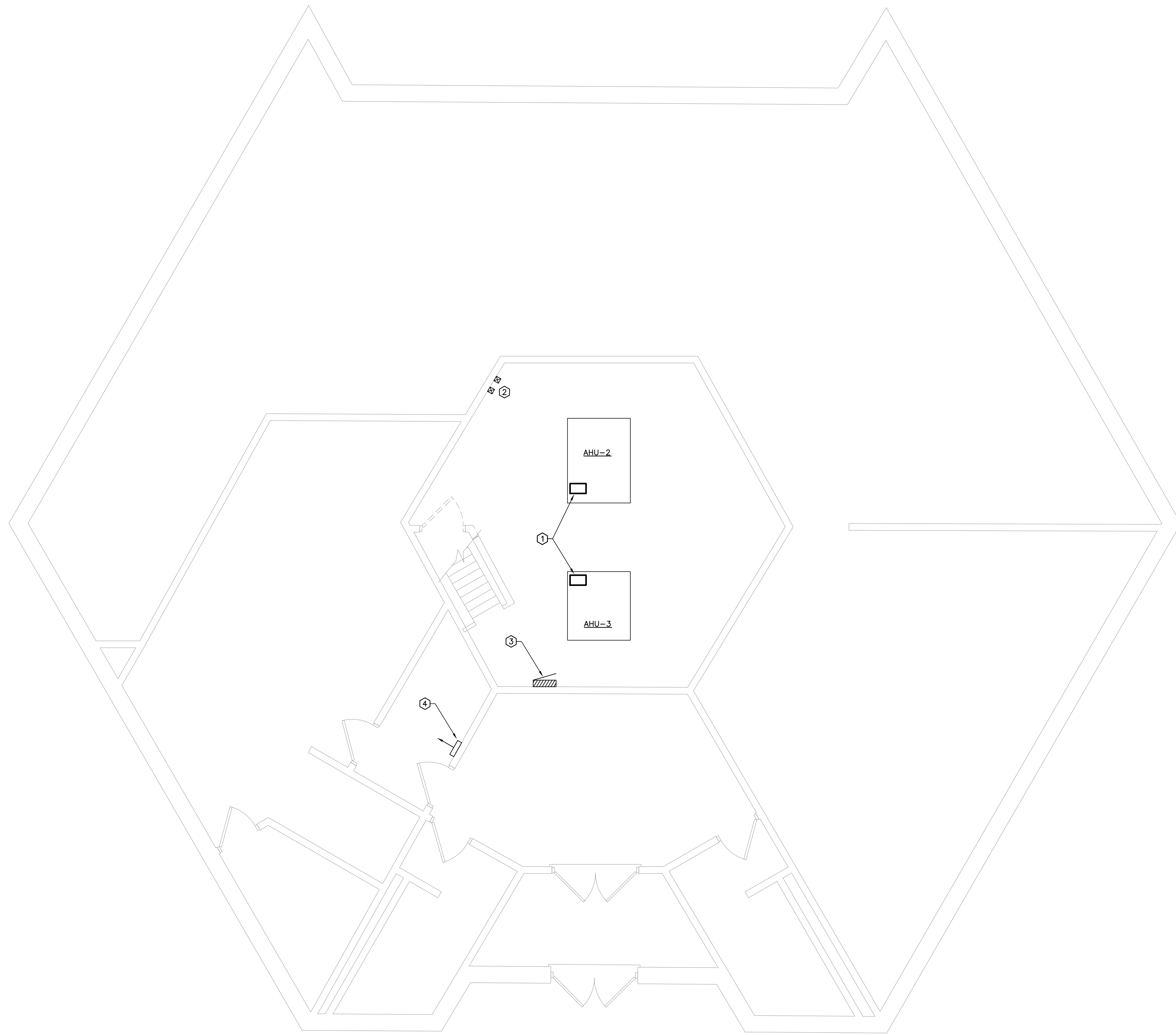
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SUBMISSION DATE:	5/03/17
DRAWN:	DSL
REVIEWED:	DSL
SCALE:	1/4"=1'-0"

DWG TITLE

**UPPER LEVEL/
 FAN ROOM
 ELECTRICAL
 NEW WORK PLAN**

DWG #

E-1.2



1 UPPER LEVEL/FAN ROOM FLOOR PLAN
 E-1.2 SCALE: 1/4"=1'-0"

- NEW WORK DRAWING NOTES**
- ① RECONNECT EXISTING CIRCUIT TO NEW AHU MOTOR.
 - ② PROVIDE NEW OVERLOADS IN EXISTING STARTERS FOR NEW AHU MOTORS (PER NEC 430.42.)
 - ③ EXISTING ATTIC PANEL TO REMAIN.
 - ④ TEMPERATURE CONTROL PANEL (SEE MECH DWGS.) ROUTE 2#12+ #12G~3/4" C TO NEW 20A-1P C/B IN ATTIC PANEL.

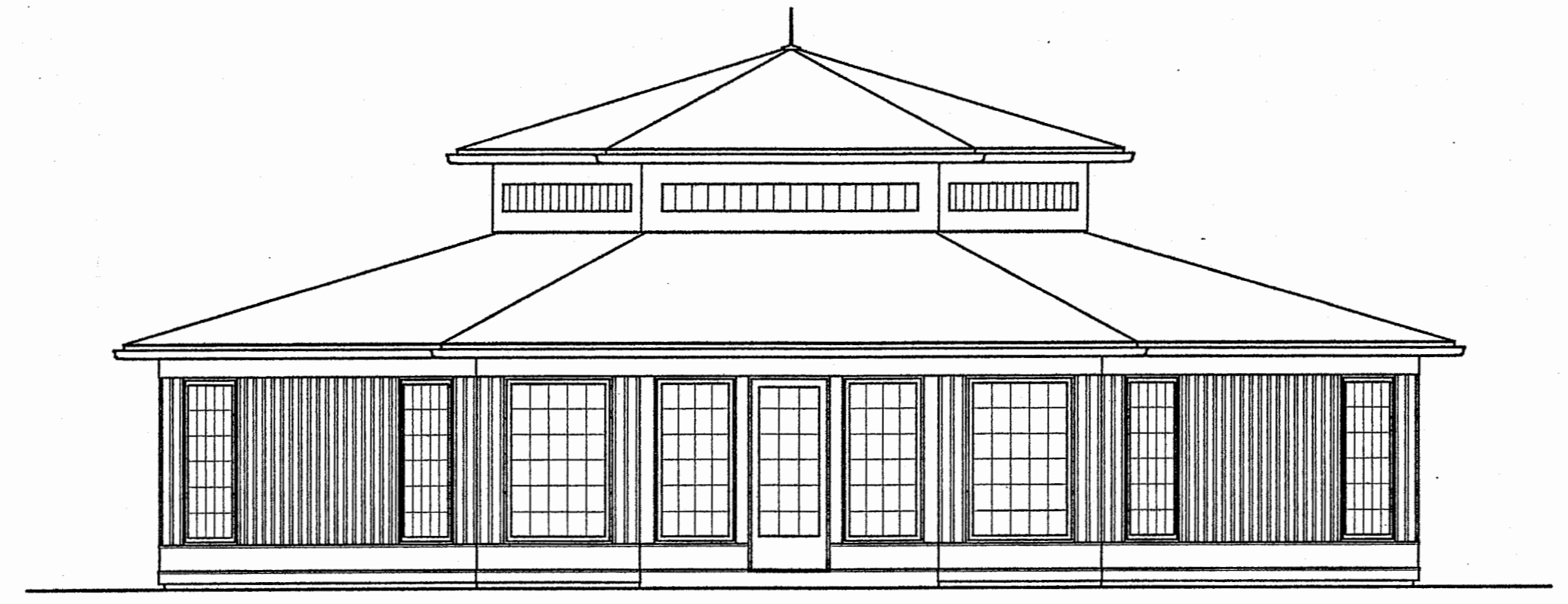
NOTES

GENERAL: 1. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE & OTHER APPLICABLE BUILDING CODES. 2. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS PRIOR TO STARTING WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FOR LISTING AND/OR CORRECTION BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED. 3. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS & PAY ALL REQUIRED FEES. 4. THE OWNER RESERVES THE RIGHT TO REJECT ANY OR ALL WORK AND MAY CHOOSE NOT TO INCLUDE ANY PARTS OF THE PROJECT. 5. THE CONTRACTOR SHALL REMOVE & DISPOSE OF ANY CONSTRUCTION DEBRIS AND/OR HAZARDOUS MATERIALS IN A LEGAL MANNER. 6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY. 7. THE CONTRACTOR SHALL PROTECT ALL AREAS TO REMAIN FROM DAMAGE DURING HIS OPERATIONS. ANY DAMAGE SHALL BE CORRECTED TO THE OWNERS SATISFACTION AT THE CONTRACTORS EXPENSE. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SHORING & BRACING REQUIRED TO MAINTAIN THE STRUCTURAL STABILITY OF THE BUILDING DURING CONSTRUCTION. 9. ALL SPECIFIED PRODUCTS SHALL BE STORED AND INSTALLED AS PER MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS. 10. THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY THE LOCATION OF ANY UNDERGROUND UTILITIES THAT MAY BE IN THE AREA OF CONSTRUCTION BEFORE STARTING WORK. 11. ALL CONTRACTORS SHALL CARRY APPROPRIATE INSURANCE, INCLUDING LIABILITY AND WORKMENS COMPENSATION. 12. ALL WORK SHALL BE PERFORMED IN THE BEST AND MOST PROFESSIONAL MANNER BY EXPERIENCED MECHANICS, SKILLED IN THEIR RESPECTIVE TRADES. 13. ALL WORK SHALL BE WARRANTED FOR ONE YEAR FROM THE DATE OF THE CERTIFICATE OF OCCUPANCY. 14. ALL PLUMBING, HEATING, VENTILATING, AIR CONDITIONING AND ELECTRICAL WORK IS TO BE PERFORMED ON A DESIGN/BUILD BASIS. THE CONTRACTOR FOR EACH TRADE IS RESPONSIBLE FOR ALL EQUIPMENT REQUIREMENTS AND SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES. IT IS INTENDED THAT CONTRACTORS PROVIDE ALL APPURTUS, EQUIPMENT AND FITTINGS WHETHER OR NOT INDICATED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTORS SHALL BE RESPONSIBLE FOR AND PAY FOR ALL REQUIRED TESTS AND PERMITS. 15. THE HVAC SYSTEM SHALL MAINTAIN ALL INTERIOR SPACES AT 72 F WHEN THE TEMPERATURE OUTSIDE IS 0 OR 100 F AT 50 % RELATIVE HUMIDITY.

ABBREVIATIONS

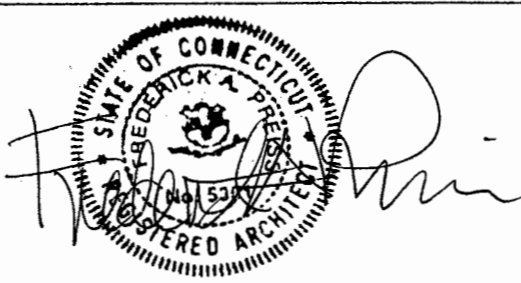
Table with columns for abbreviations and their corresponding full names. Includes categories like AFF (Above Finished Floor), ADJ (Adjacent), ADT (Adjustable), etc.

PROJECT TITLE



HUNTER MEMORIAL GOLF COURSE PRO-SHOP

Meriden Connecticut



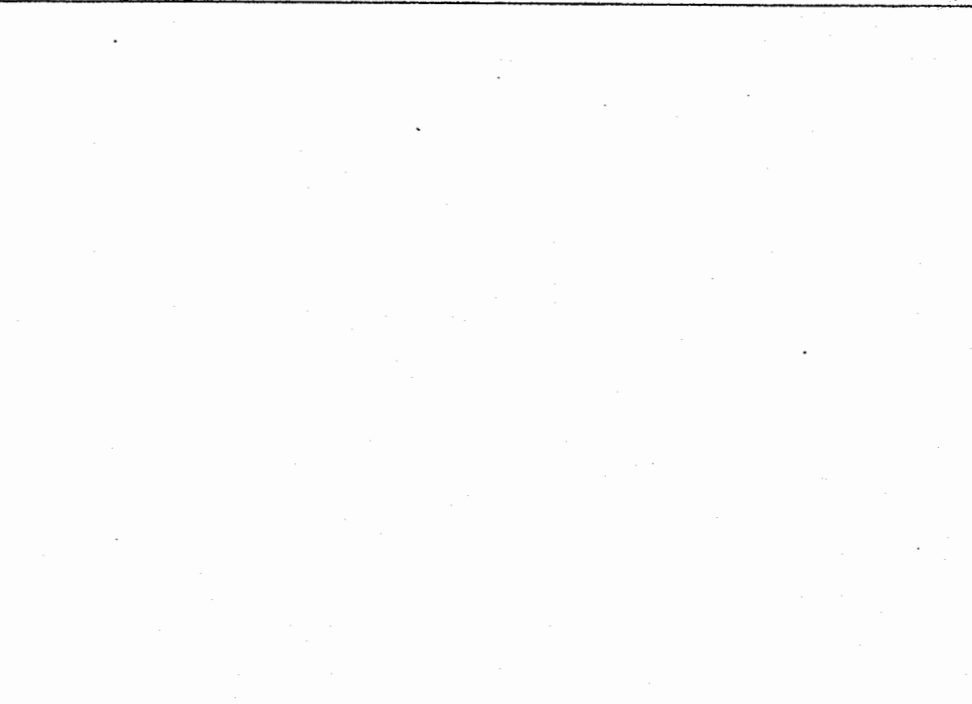
Architects Planners Interior Designers
Preiss Breisemeister P.C.
65 Broad Street
Stamford, CT 06901

Fuss & O'Neill Design Build Services, LLC
146 Hartford Road
Manchester, CT 06040-5921

DRAWING LIST

Table listing drawing titles and their corresponding sheet numbers: COVER (G-1), CODES, ZONING, NOTES, LEGENDS, ABBREVIATIONS & LOCATION MAP (G-1), FOUNDATION PLAN (A-1), FIRST FLOOR PLAN (A-2), etc.

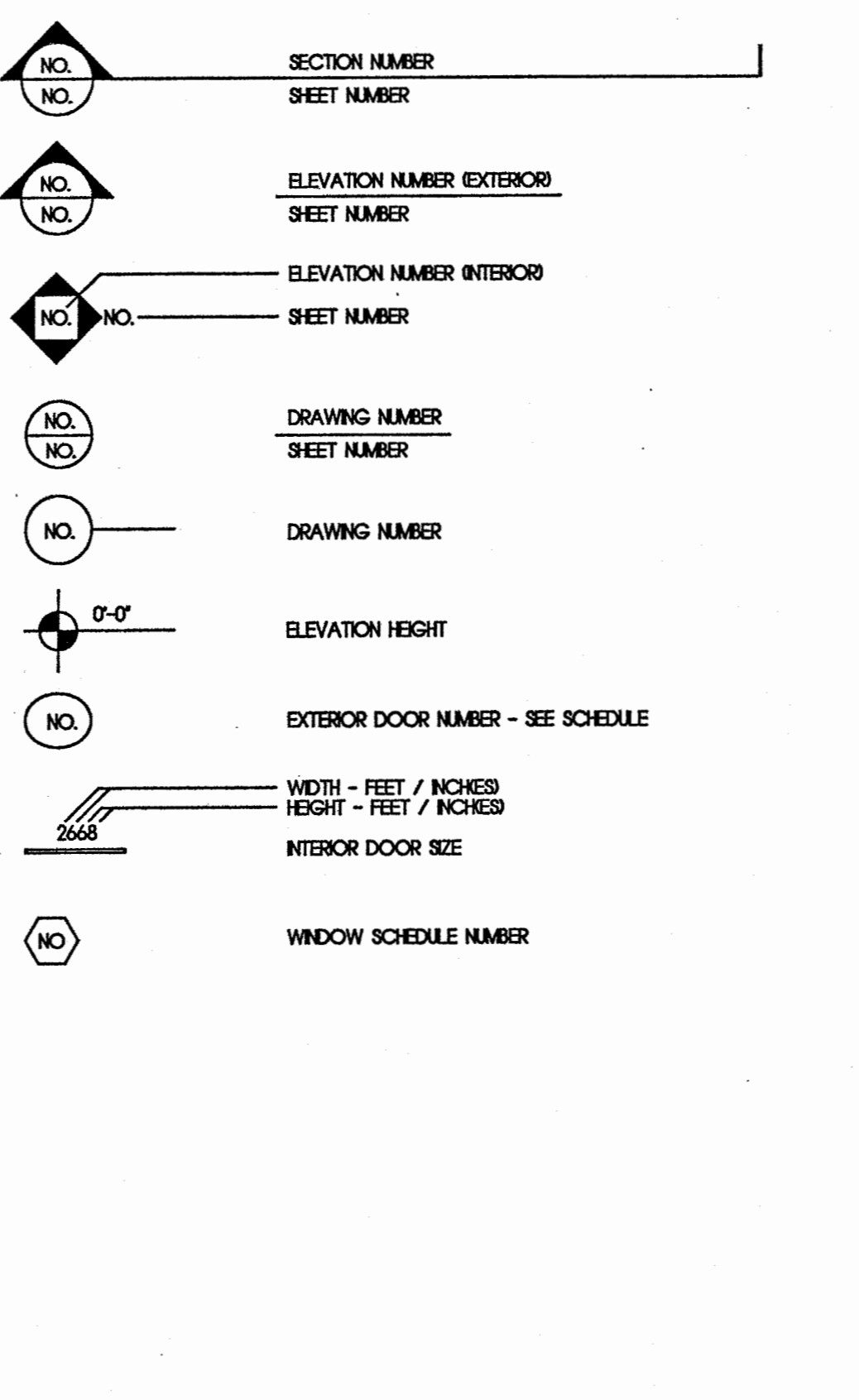
LOCATION MAP



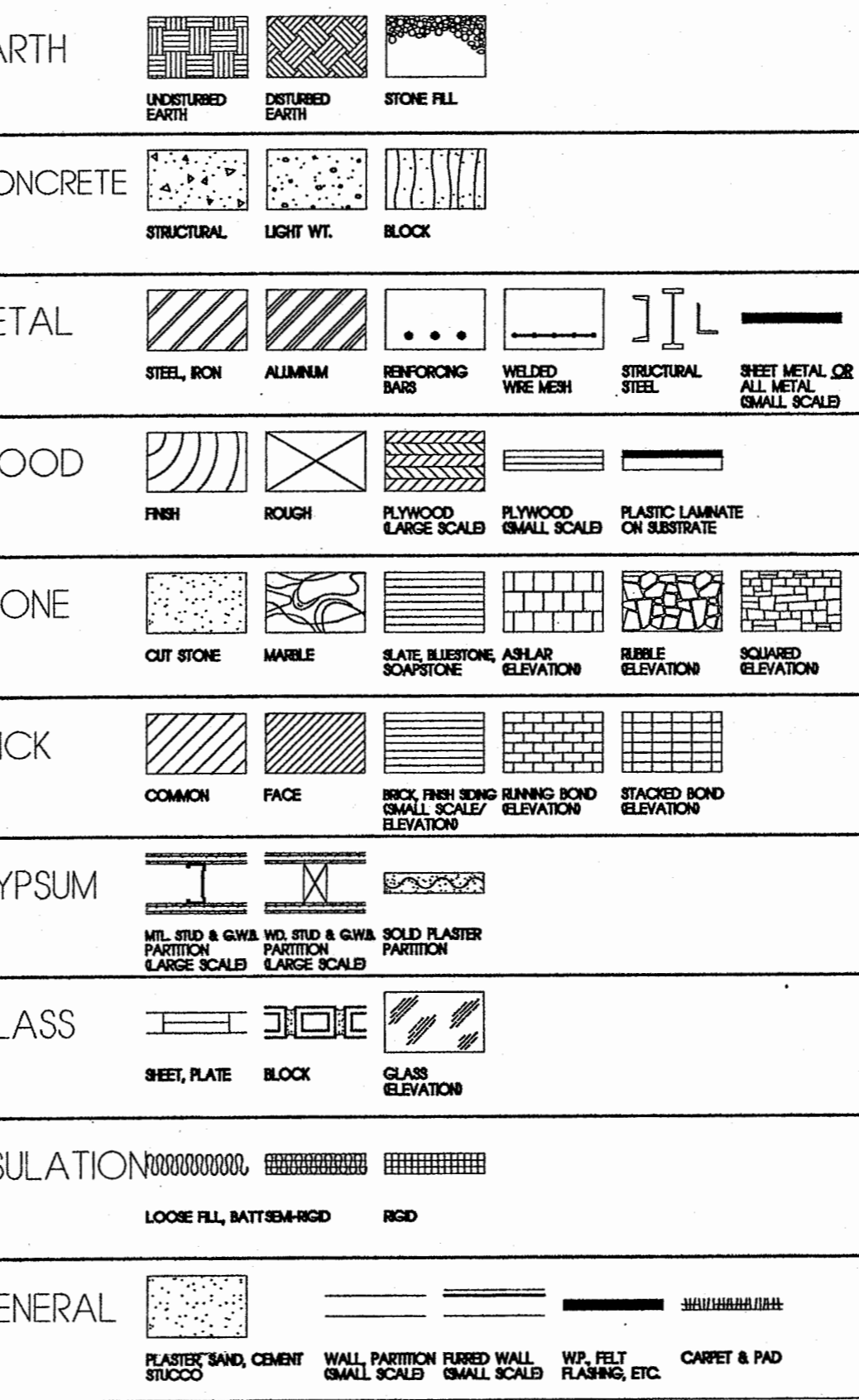
CODE SUMMARY

Table summarizing applicable codes and standards: ADDRESS (Westfield Road, Meriden, CT), APPLICABLE CODES (BOCA NATIONAL BUILDING CODE 1996, CONNECTICUT SUPPLEMENT TO THE BUILDING CODE 1999), BUILDING INFORMATION FORM (1996 STATE BUILDING CODE), etc.

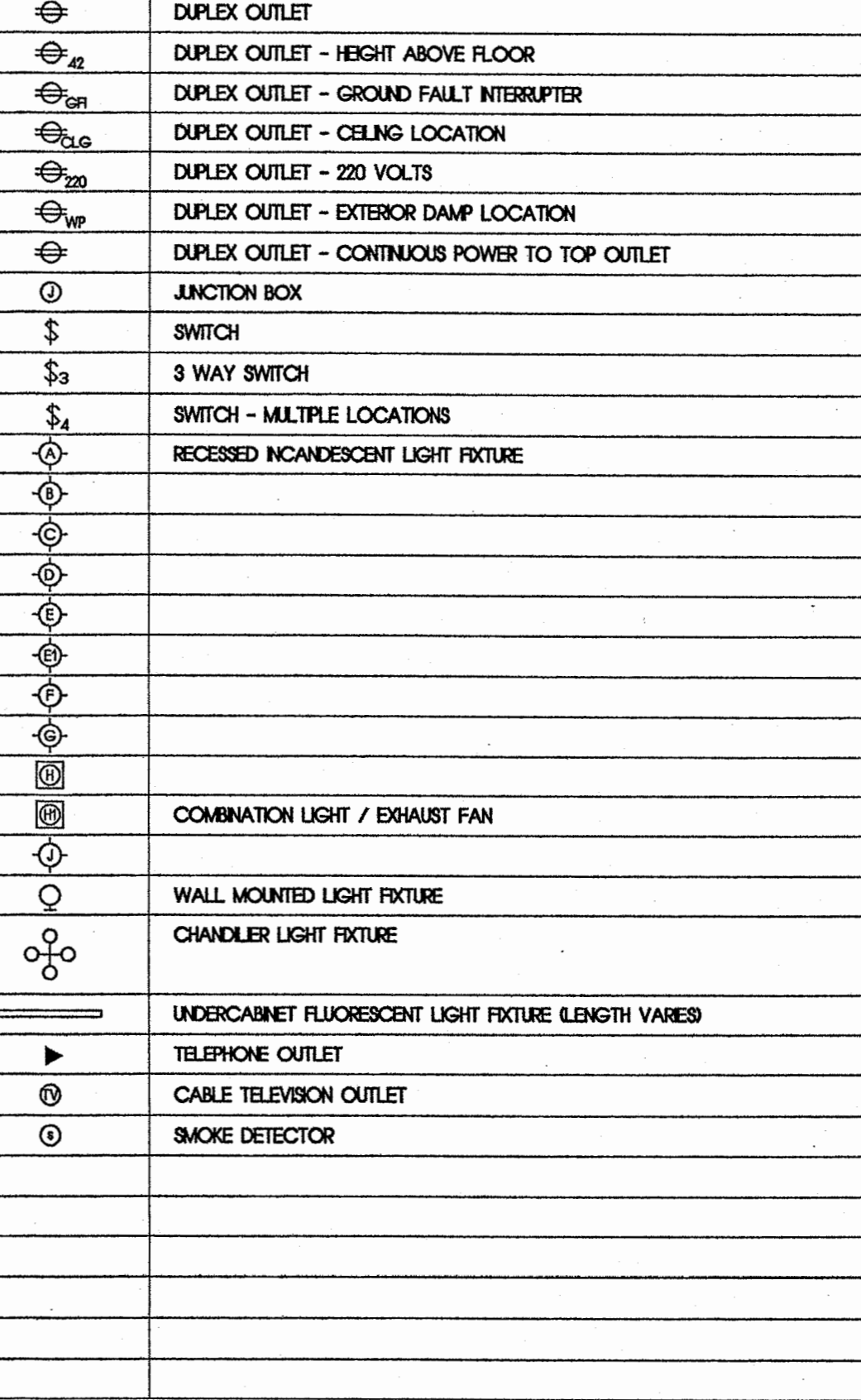
ARCH. SYMBOL LEGEND



MATERIAL LEGEND



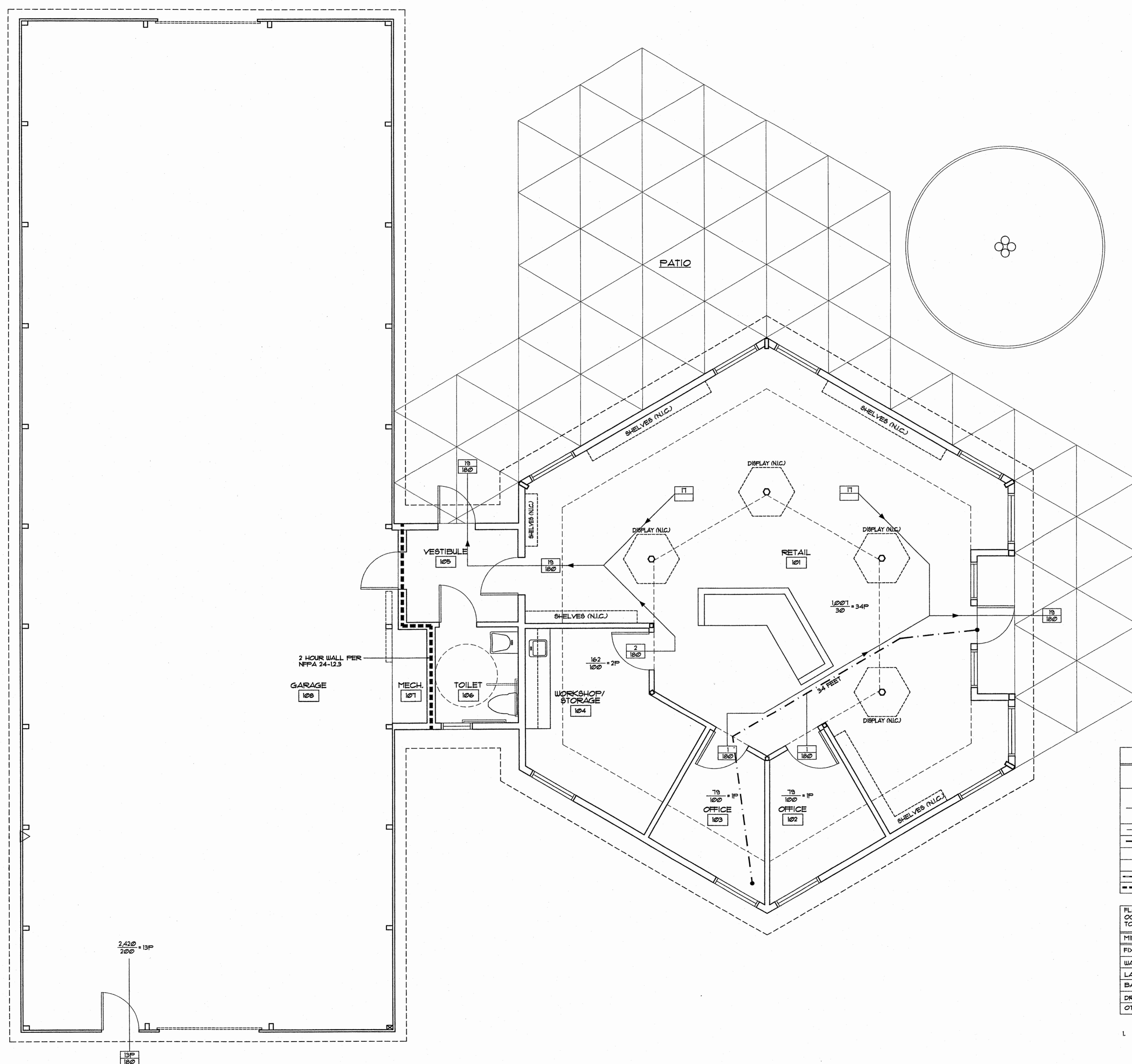
ELECTRICAL LEGEND



Notes: 1. See Code Analysis Plan on sheet G-1 for egress requirements. 2. Minimum width of unobstructed aisle of 44 inches leading to exits shall be maintained. 3. Maximum length of exit access travel is 200 feet. 4. The emergency power system shall have a power source to operate the following equipment: (a) Emergency lighting.

Energy Conservation Table with columns for Category, Status or Requirement, and Code Reference. Lists requirements for MN Wall, MN Roof, and MN Unheated Space.

Notes: 1. REFER TO PLANNING AND ZONING APPLICATION FOR MORE INFORMATION. 2. HEIGHT TO HIGHEST ELEVATION.



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No.	Date	Issue
1	12/15/01	ISSUED FOR PERMIT

No.	Date	Revision
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Architects Planners Interior Designers

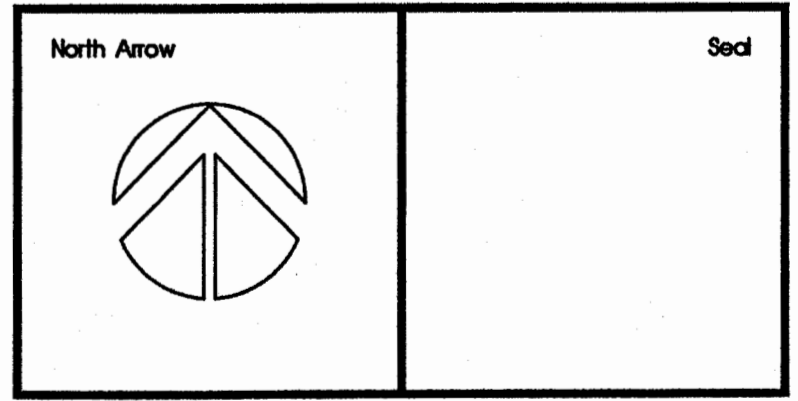
**Preiss
Breismeister
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Project Title
**HUNTER MEMORIAL GOLF
COURSE PRO-SHOP**
**Westfield Road
Meriden Connecticut**



LEGEND

	ACTUAL NUMBER OF EGRESS OCCUPANTS
	MAXIMUM NUMBER OF EGRESS OCCUPANTS
	AREA OF SPACE
	RESULTANT NUMBER OF OCCUPANTS
	OCCUPANCY AREA ALLOWANCE
	PATH OF TRAVEL
	LENGTH OF EXIT ACCESS TRAVEL
	WALL MOUNTED EXIT SIGN
	CEILING MOUNTED EXIT SIGN
	NON RATED SMOKE PARTITION
	2 HOUR PARTITION

FLOOR AREA: 3,924 SF.
 OCCUPANCY: B, 5-1
 TOTAL OCCUPANCY: 51

MINIMUM NUMBER OF PLUMBING FACILITIES

FIXTURE TYPE	REQUIRED	PROVIDED
WATER CLOSETS (1 PER 500)	1	1
LAVATORIES (1 PER 150)	1	1
BATHTUBS / SHOWERS	-	-
DRINKING FOUNTAINS (1 PER 1000)	1	SEE NOTE 1
OTHERS (1 SERVICE SINK)	1	1

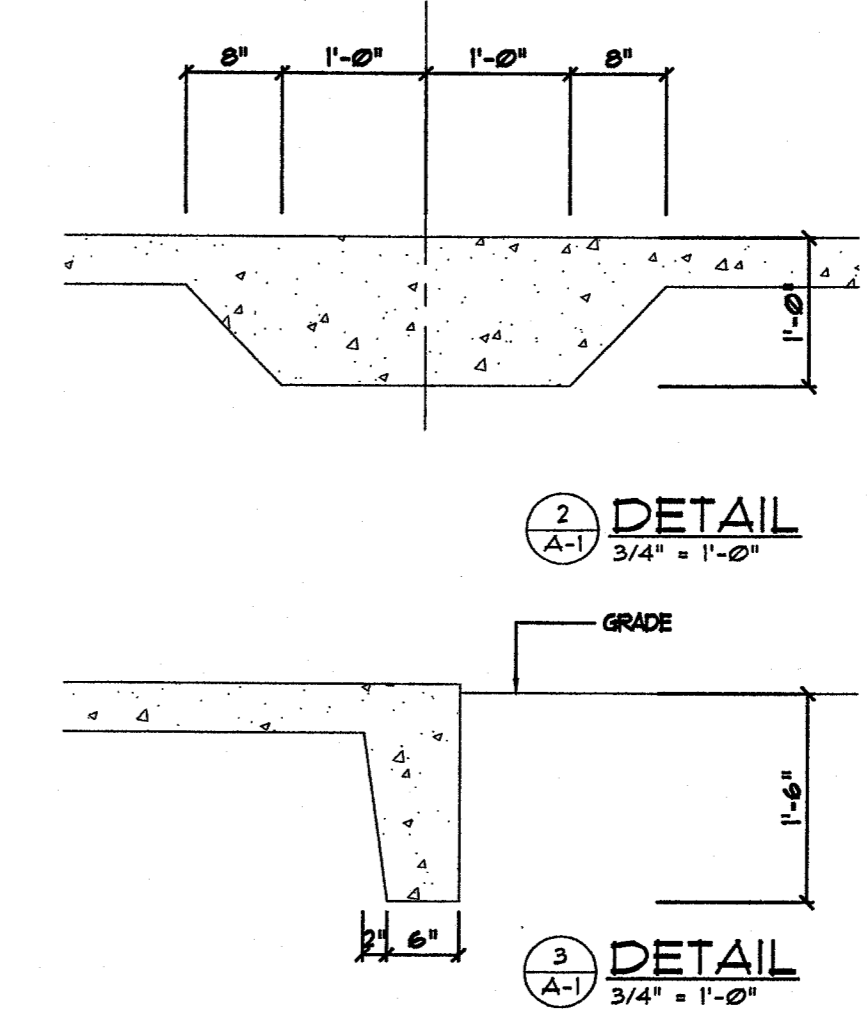
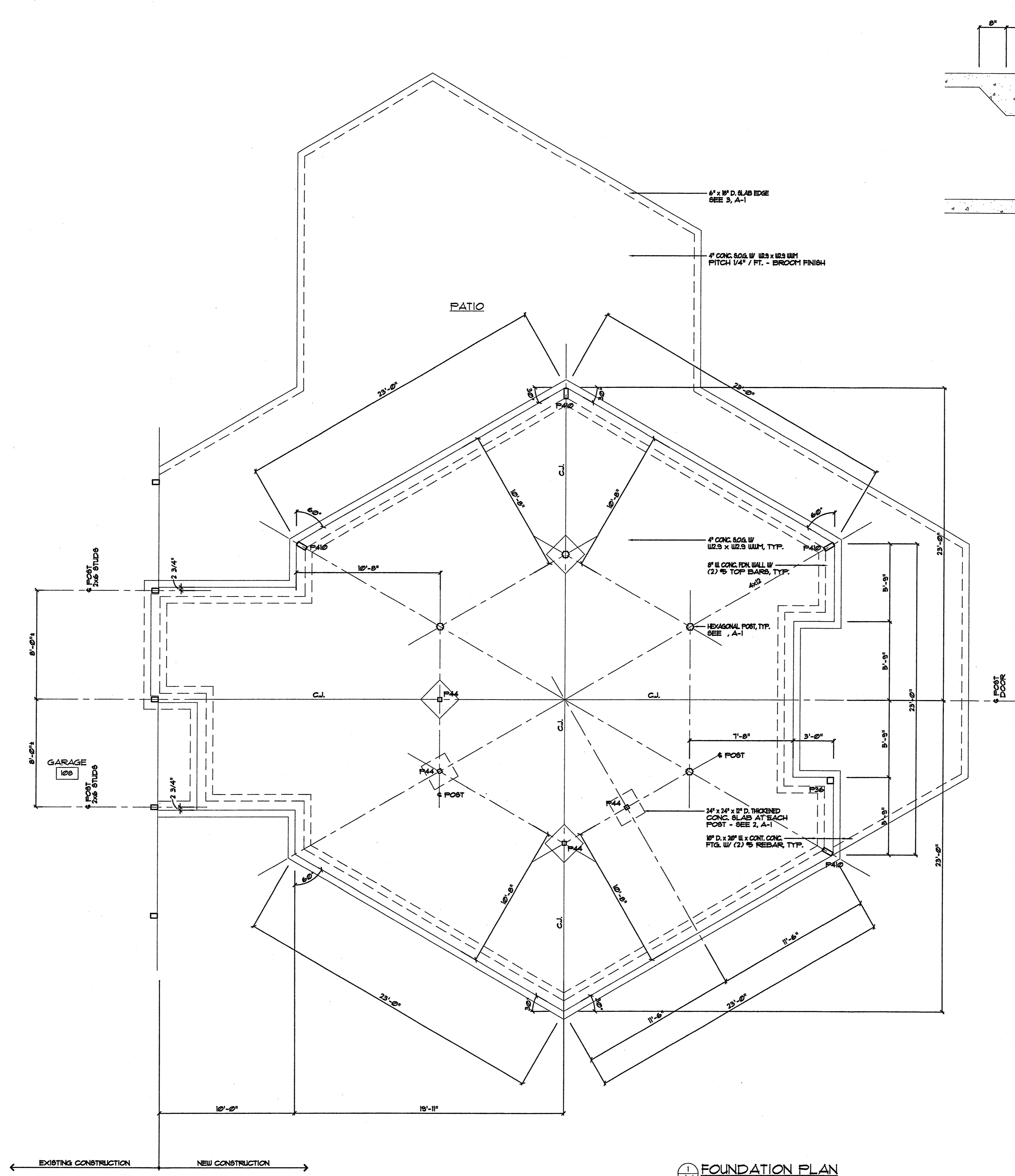
NOTES:
 1. BOTTLED WATER PROVIDED

Drawing Title
CODE ANALYSIS PLAN

Drawn By _____
 Checked By _____
 Project Number **12101**
 Scale **1/4" = 1'-0" U.O.N.**
 Date **12/15/01**
 Drawing Number _____

File No: x:\d\current\golf\gf-code

G-1



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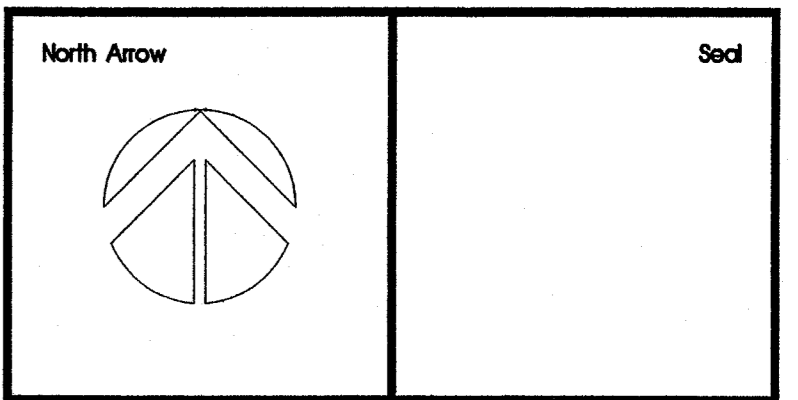
No.	Date	Issue
1	12/15/01	ISSUED FOR PERMIT

No.	Date	Revision
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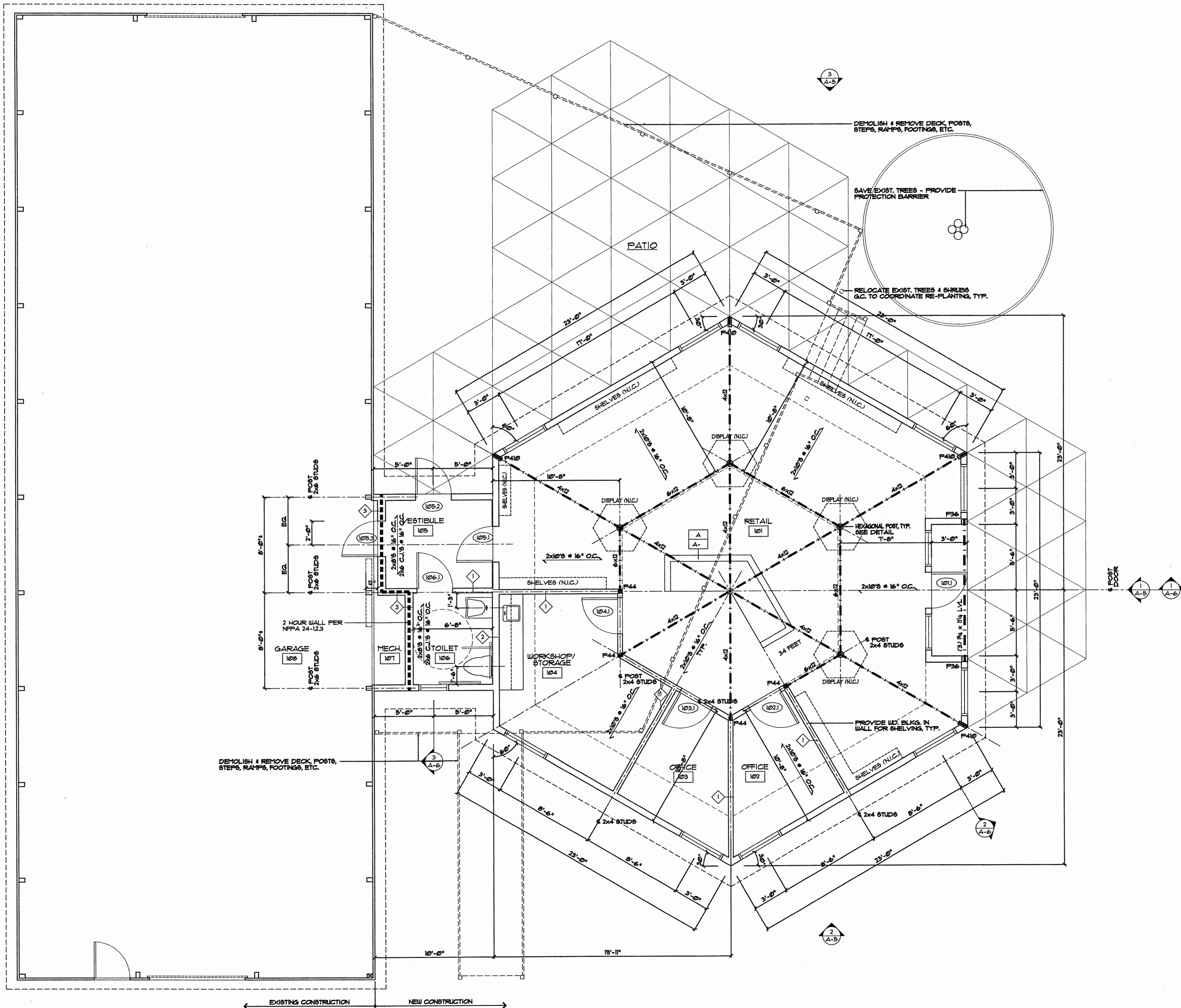
Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
 Westfield Road
 Meriden Connecticut



Drawing Title
FOUNDATION PLAN

Drawn By _____
 Checked By _____
 Project Number 121201
 Scale 1/4" = 1'-0" U.C.N.
 Date 12/15/01
 Drawing Number _____

1 FOUNDATION PLAN
 A-1 1/4" = 1'-0"



1 FLOOR PLAN
1/4" = 1'-0"

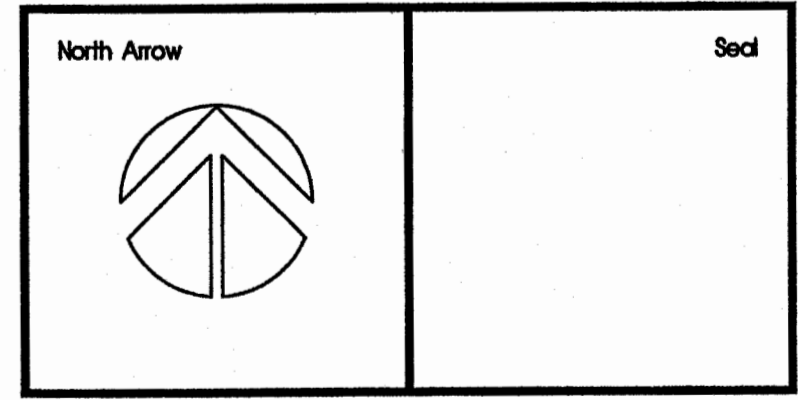
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No.	Date	Revision

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Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
Westfield Road
Meriden Connecticut



Drawing Title
FIRST FLOOR PLAN
Drawn By: _____
Checked By: _____
Project Number: 12101
Scale: 1/4" = 1'-0" U.S.N.
Date: 12/15/01
Drawing Number: _____

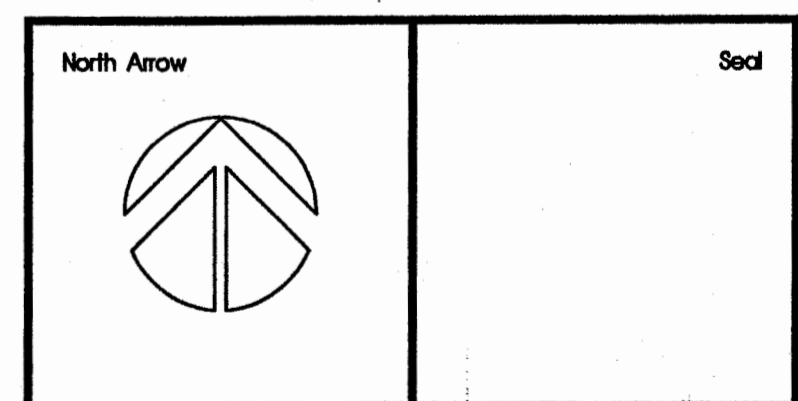
NOTE
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No.	Date	Issue
1	12/15/12	ISSUED FOR PERMIT
No.	Date	Revision

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Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
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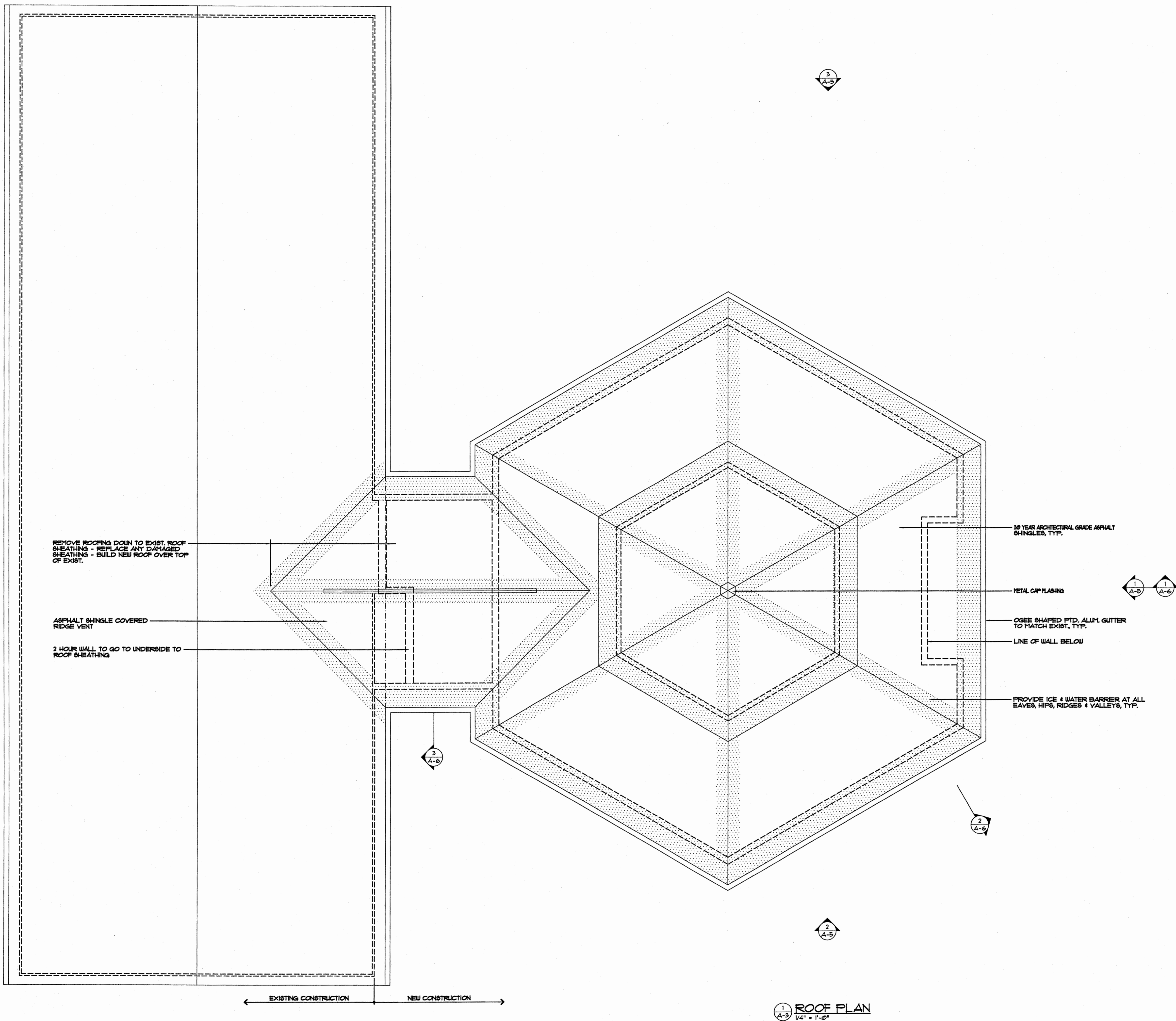


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ROOF PLAN

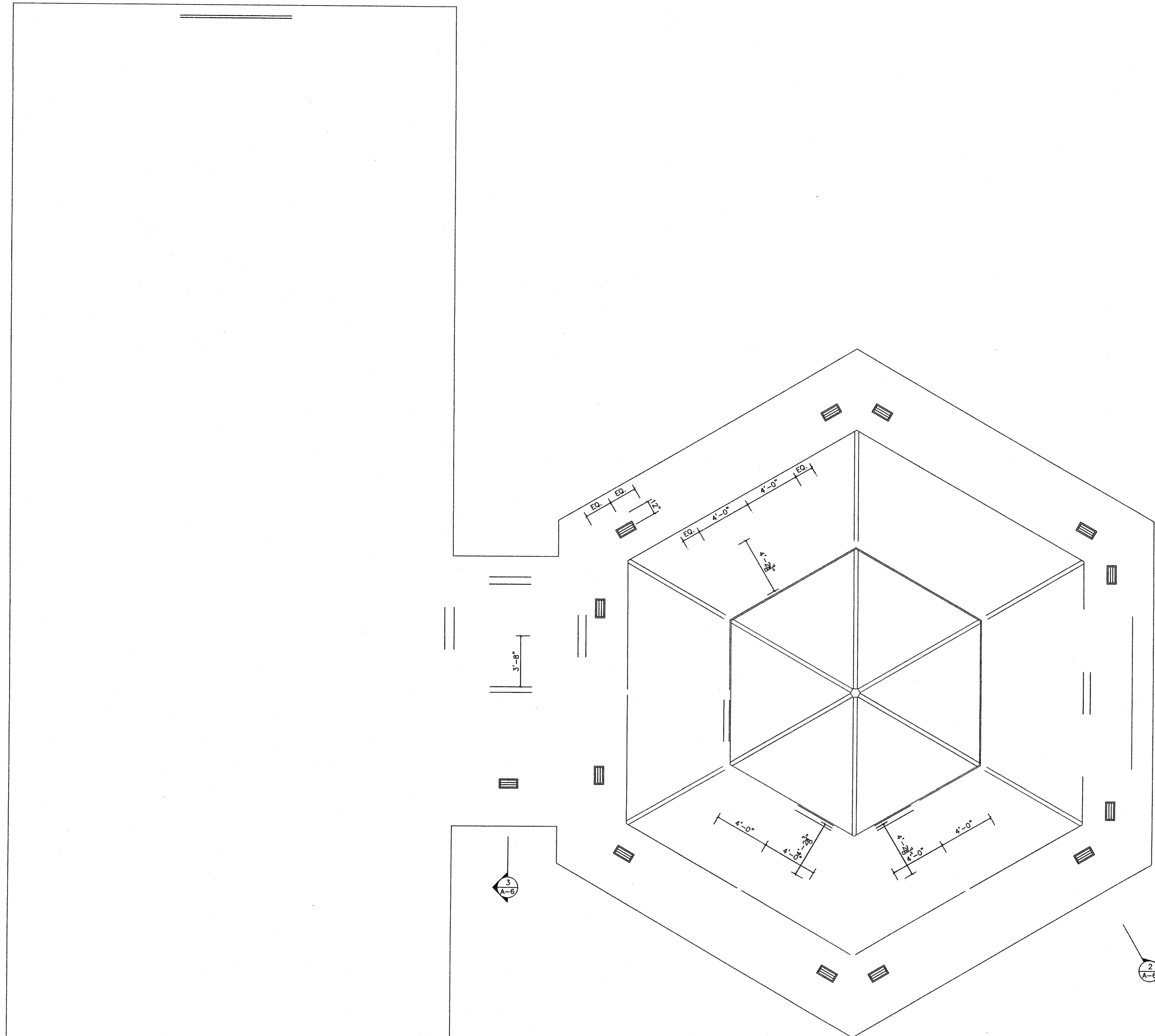
Drawn By _____
 Checked By _____
 Project Number 12121
 Scale 1/4" = 1'-0" U.O.N.
 Date 12/15/12
 Drawing Number _____

File No: x:\af\current\golf\12-roof

A-3



1
 (A-3)
 ROOF PLAN
 1/4" = 1'-0"



1
2-4 REFLECTED CEILING PLAN
1/4" = 1'-0"

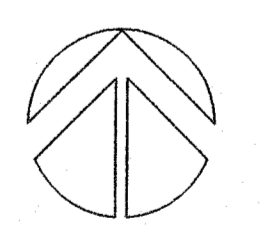
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No.	Date	Issue
1	12/15/08	ISSUED FOR PERMIT
No.	Date	Revision

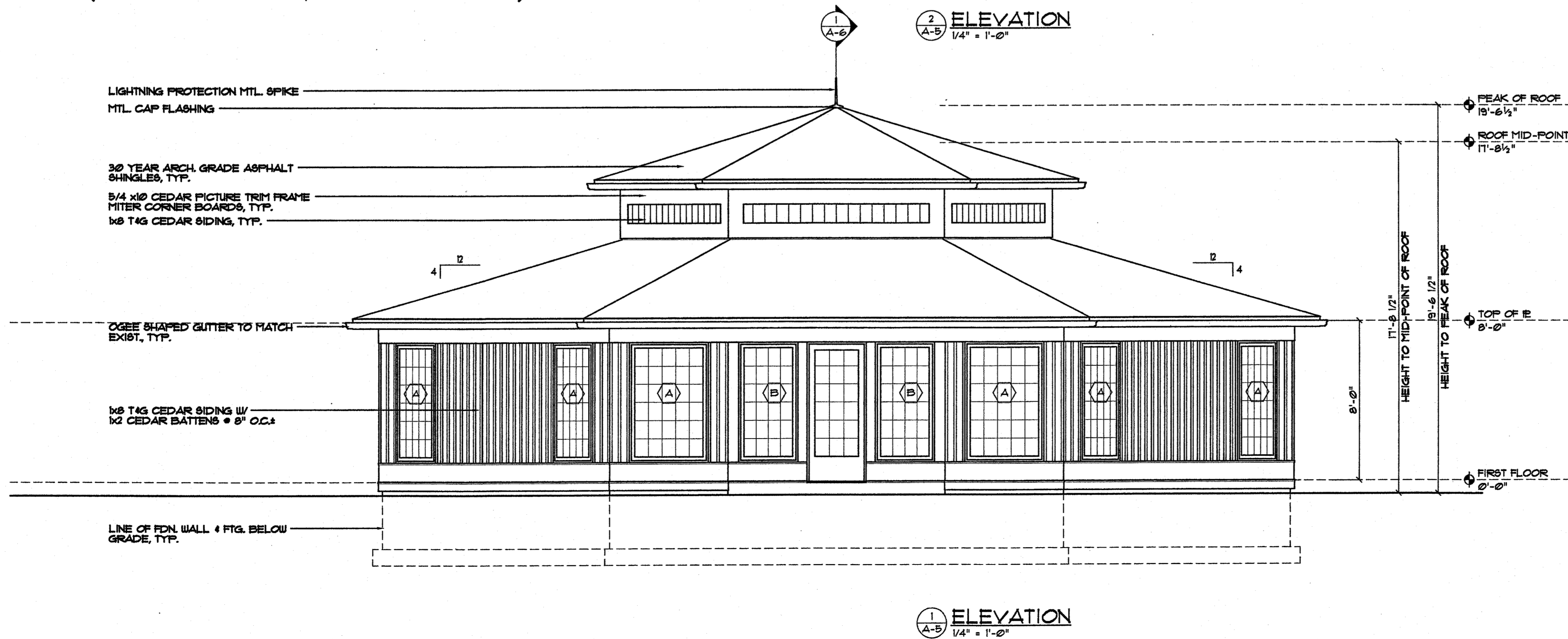
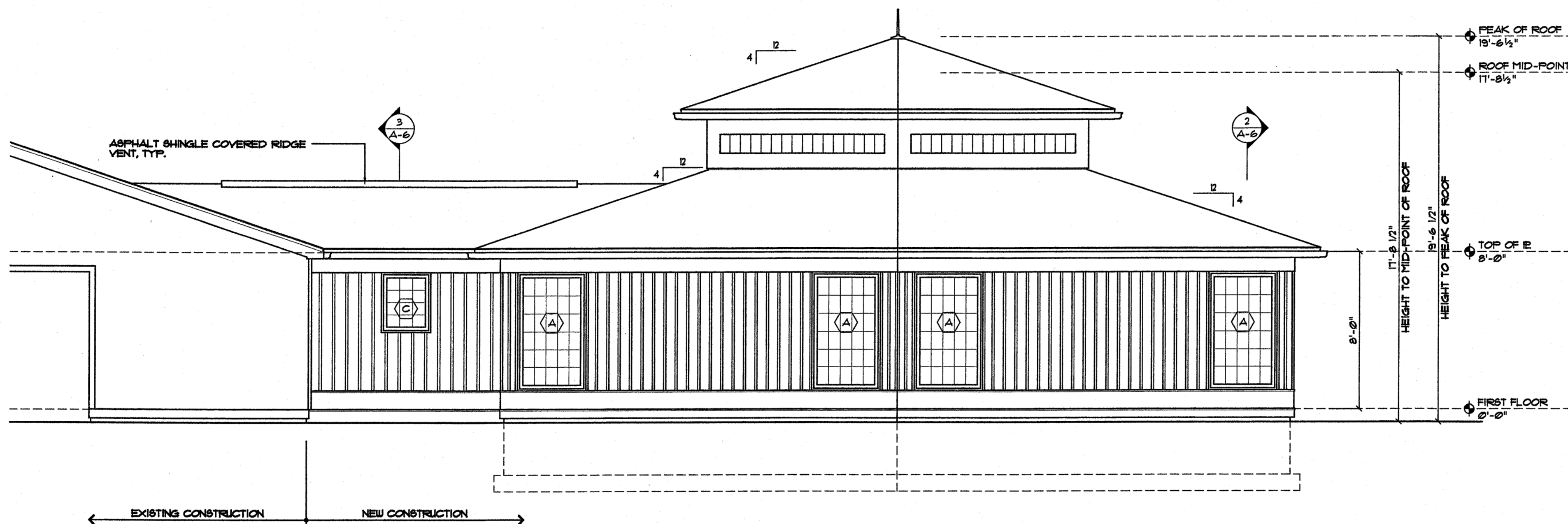
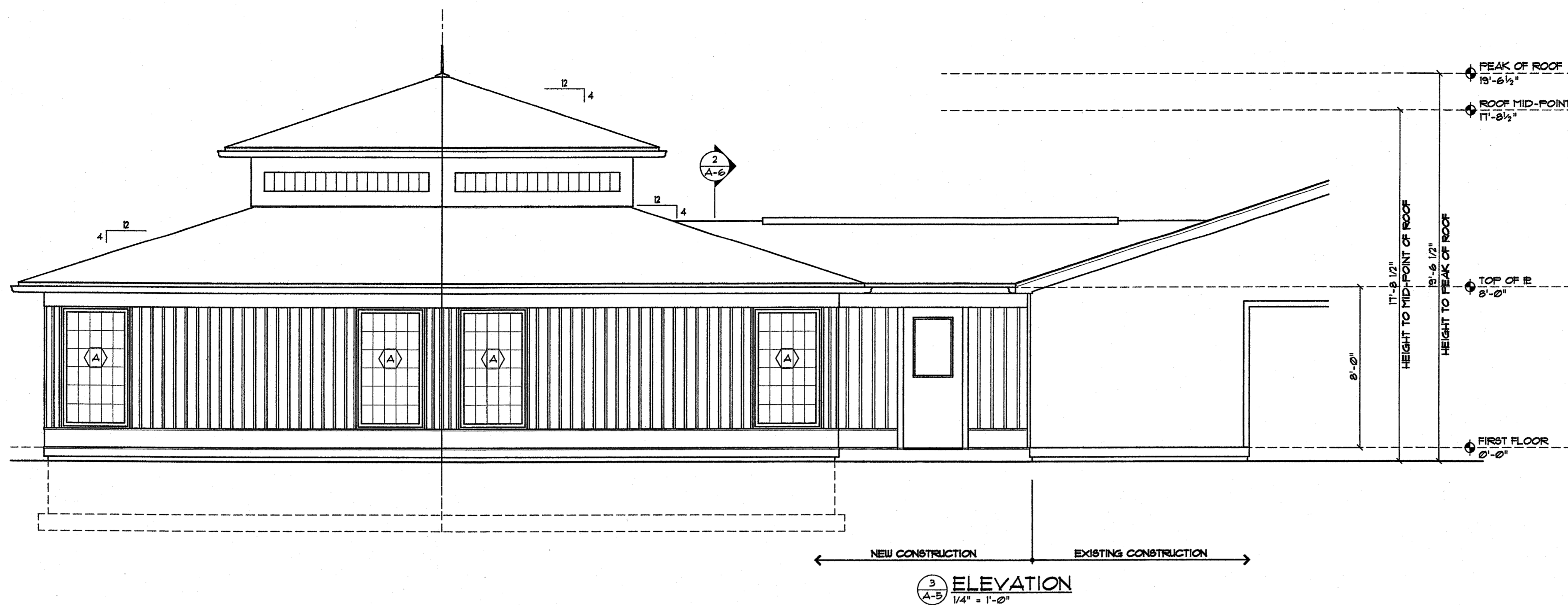
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Project Title
**HUNTER MEMORIAL GOLF
 COURSE PRO-SHOP**
 Westfield Road
 Meriden Connecticut

North Arrow 	Seal
------------------------------------------------------------------------------------------------------	------

Drawing Title
REFLECTED CEILING PLAN
 Drawn By _____
 Checked By _____
 Project Number 721.01
 Scale 1/4" = 1'-0" U.O.
 Date 12/15/08
 Drawing Number _____



LEADERS

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No.	Date	Issue
1	12/19/01	ISSUED FOR PERMIT

No.	Date	Revision
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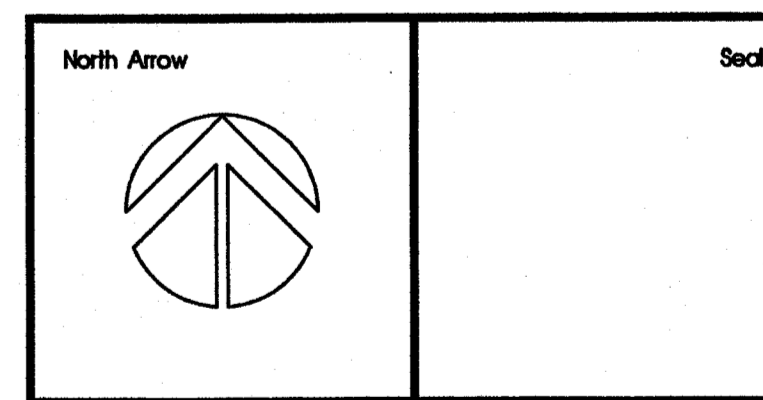
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Breismeister
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Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
Westfield Road
Meriden Connecticut



Drawing Title
ELEVATIONS

Drawn By _____
Checked By _____
Project Number T21201
Scale 1/4" = 1'-0" U.S.C.
Date 12/19/01
Drawing Number _____

File No: x:\d\current\golf\05-elev

A-5

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No.	Date	Revision

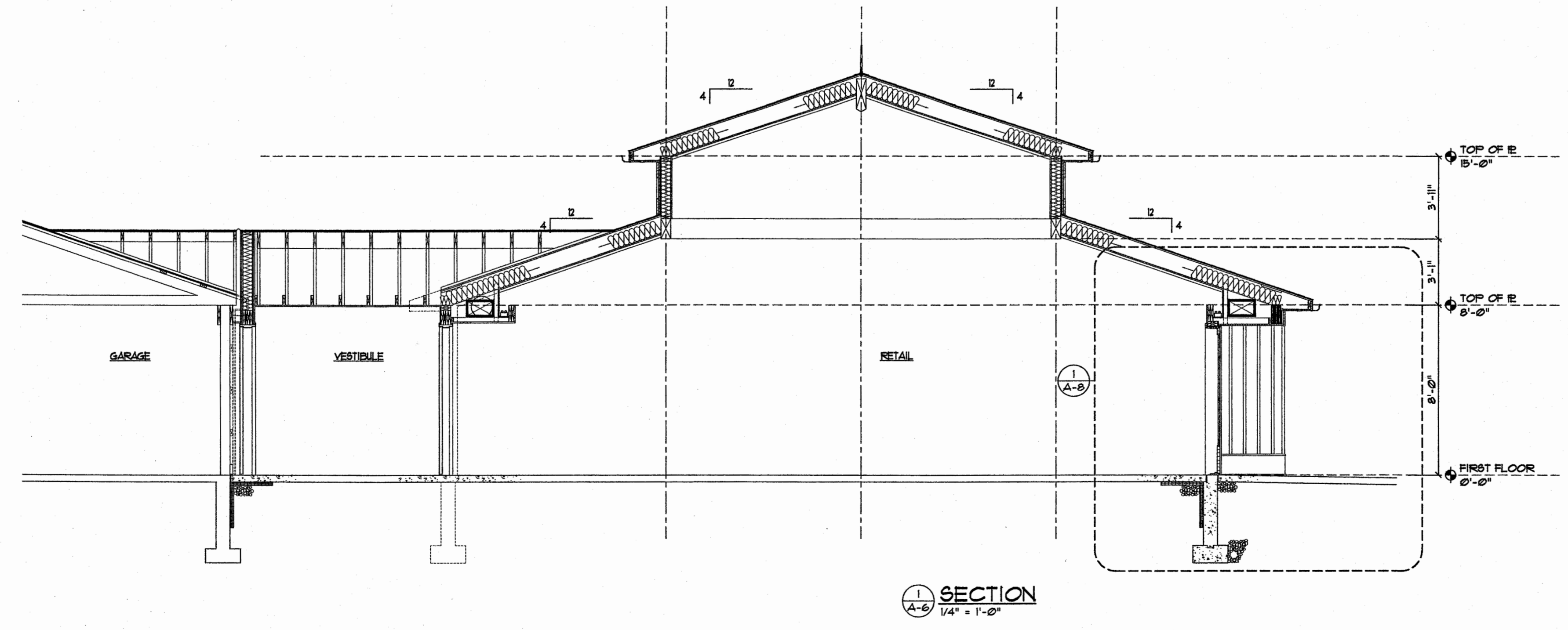
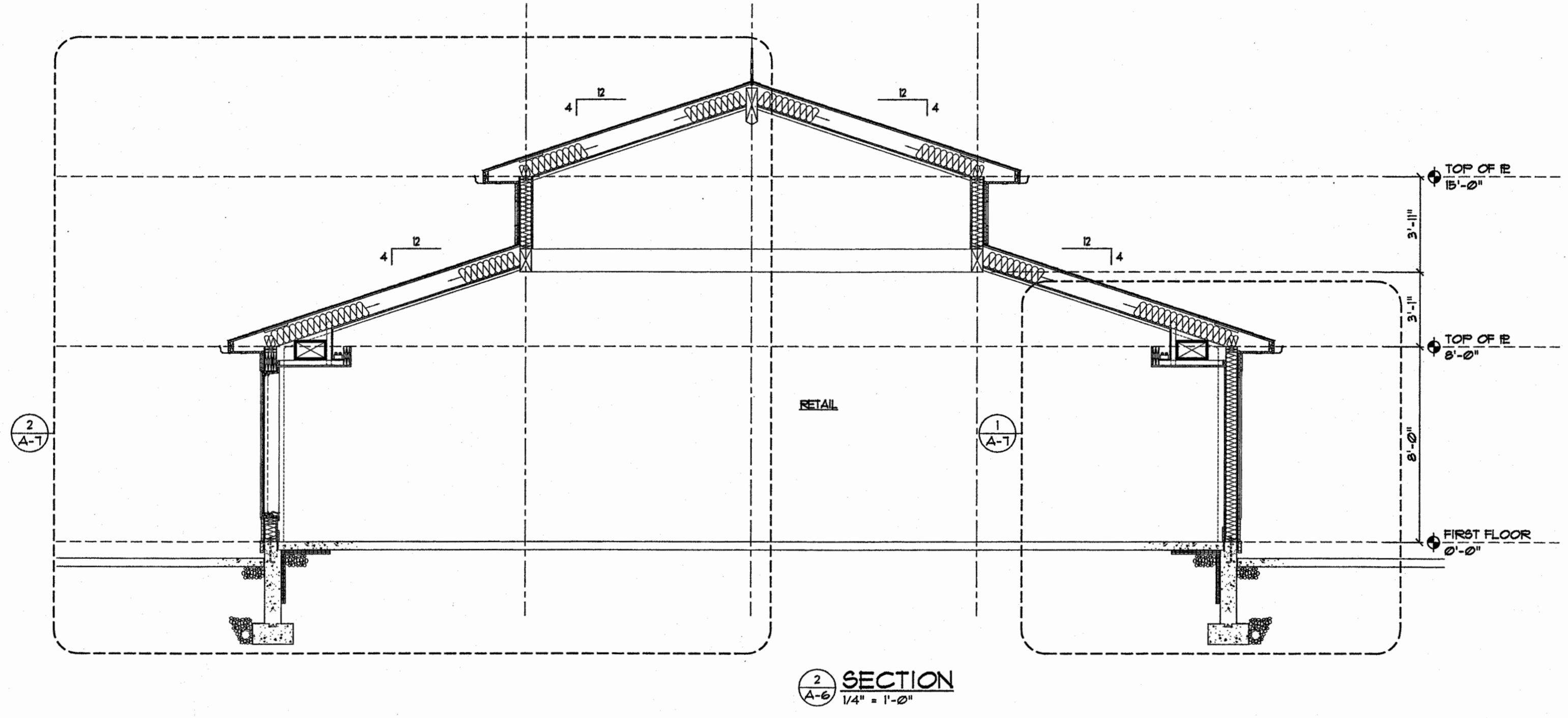
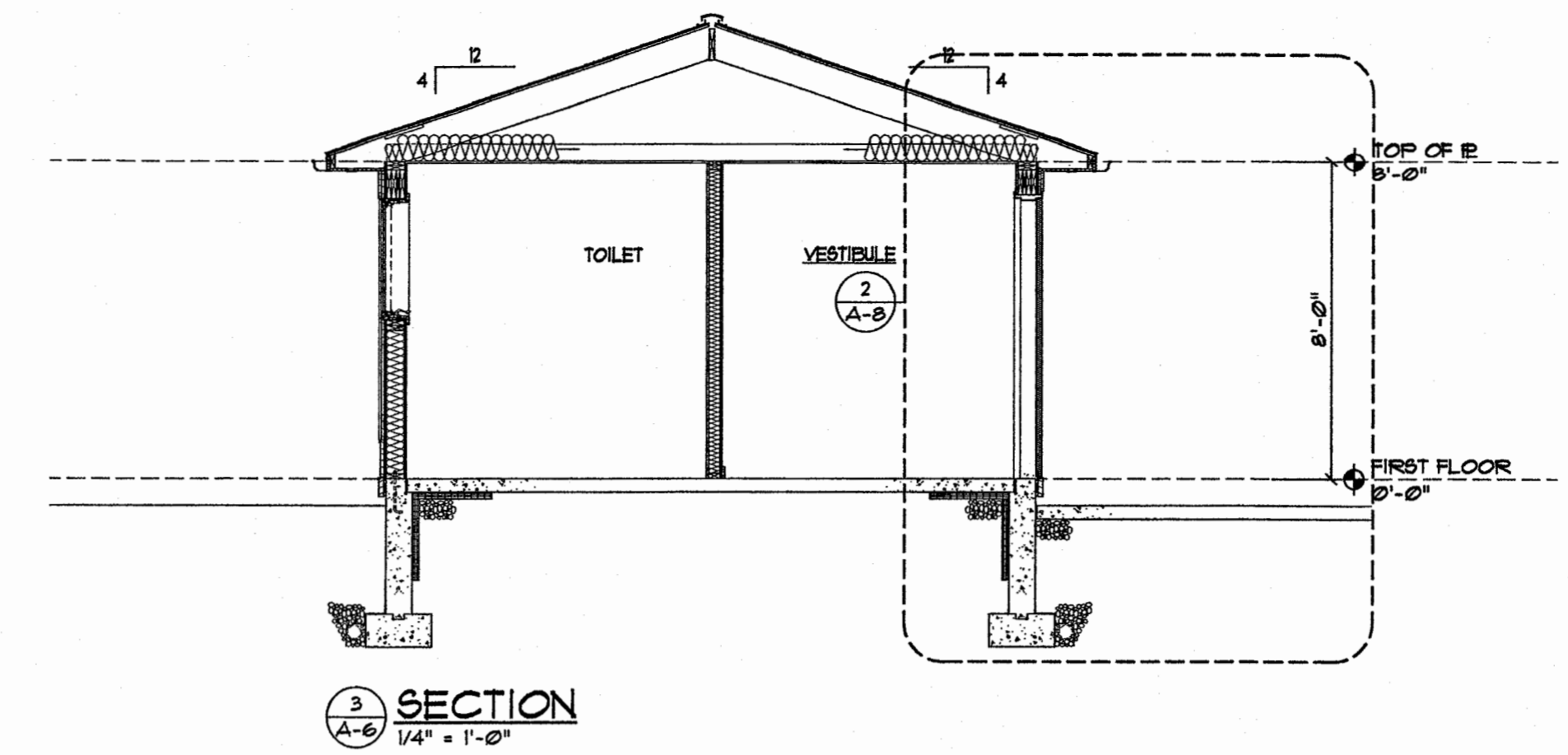
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Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
 Westfield Road
 Meriden Connecticut

North Arrow	Sect
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Drawing Title
SECTIONS
 Drawn By _____
 Checked By _____
 Project Number 121201
 Scale 1/4" = 1'-0" U.C.N.
 Date 12/15/01
 Drawing Number _____



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No.	Date	Issue
1	12/15/07	ISSUED FOR PERMIT
No.	Date	Revision

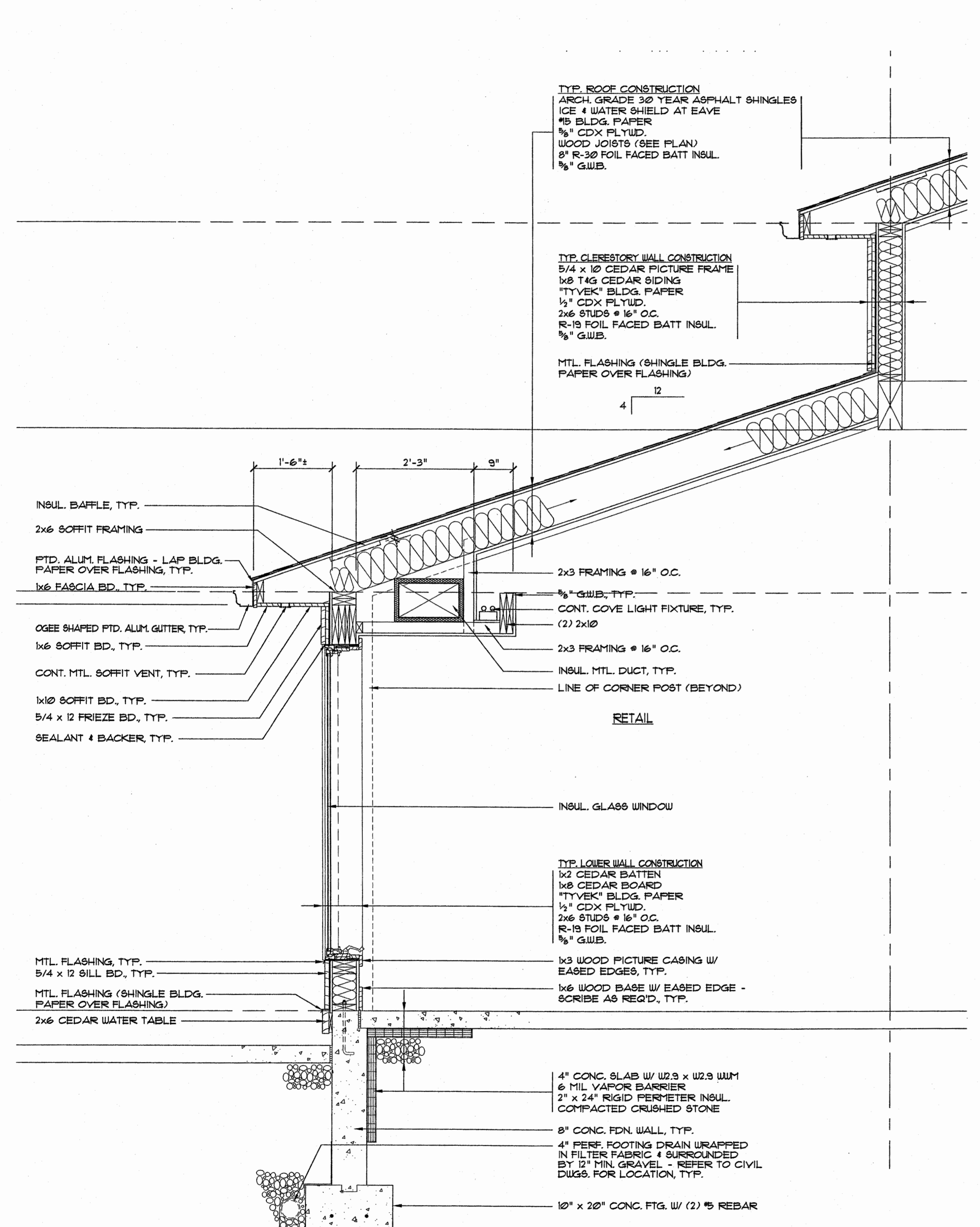
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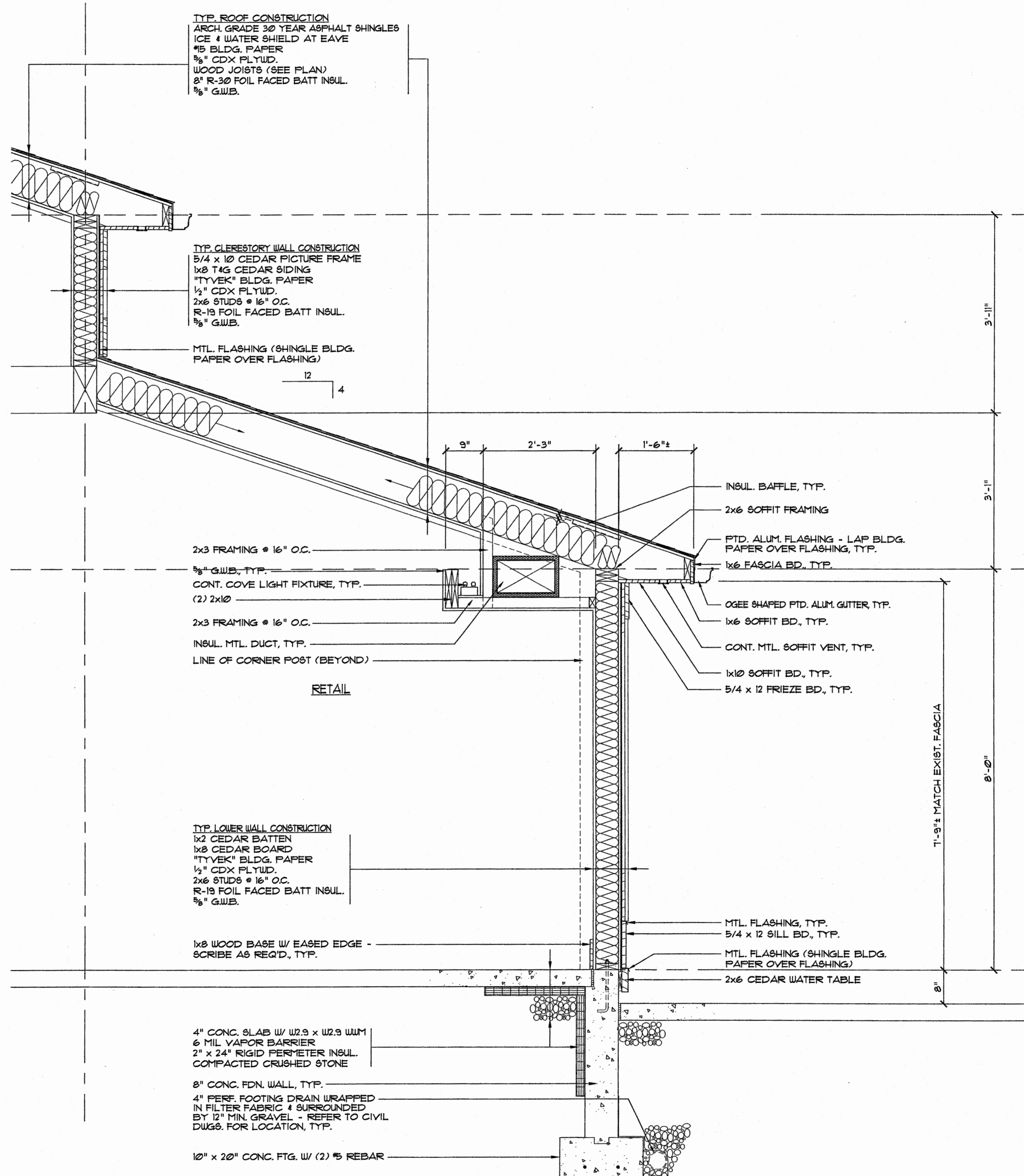
Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
 Westfield Road
 Meriden Connecticut

North Arrow
 Scale
 Date

Drawing Title
WALL SECTIONS
 Drawn By
 Checked By
 Project Number
 Scale
 Date
 Drawing Number



2 WALL SECTION
 3/4" = 1'-0"



1 WALL SECTION
 3/4" = 1'-0"

CONNECTOR SCHEDULE			
LOCATION	MANUFACTURER	MFR. NO.	REMARKS
4x4 POST BASE TO CONCRETE	SIMPSON STRONG-TIE	CB44	
4x10 POST BASE TO CONCRETE	SIMPSON STRONG-TIE	CB48	
4x4 POST CAP TO 4x12 GIRDER	SIMPSON STRONG-TIE	ECC44	ROTATE STRAPS 90°
4x10 POST CAP TO 4x12 GIRDER	SIMPSON STRONG-TIE	ECC44	
RAFTERS TO TOP PLATES TO STUDS	SIMPSON STRONG-TIE	H2	
RAFTERS TO GIRDER	SIMPSON STRONG-TIE	L990	2 PER RAFTER
HEXAGONAL POST CAP TO 6x12 GIRDER	SIMPSON STRONG-TIE	A66	TOP & BOTTOM OF GIRDER

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No.	Date	Issue
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No.	Date	Revision
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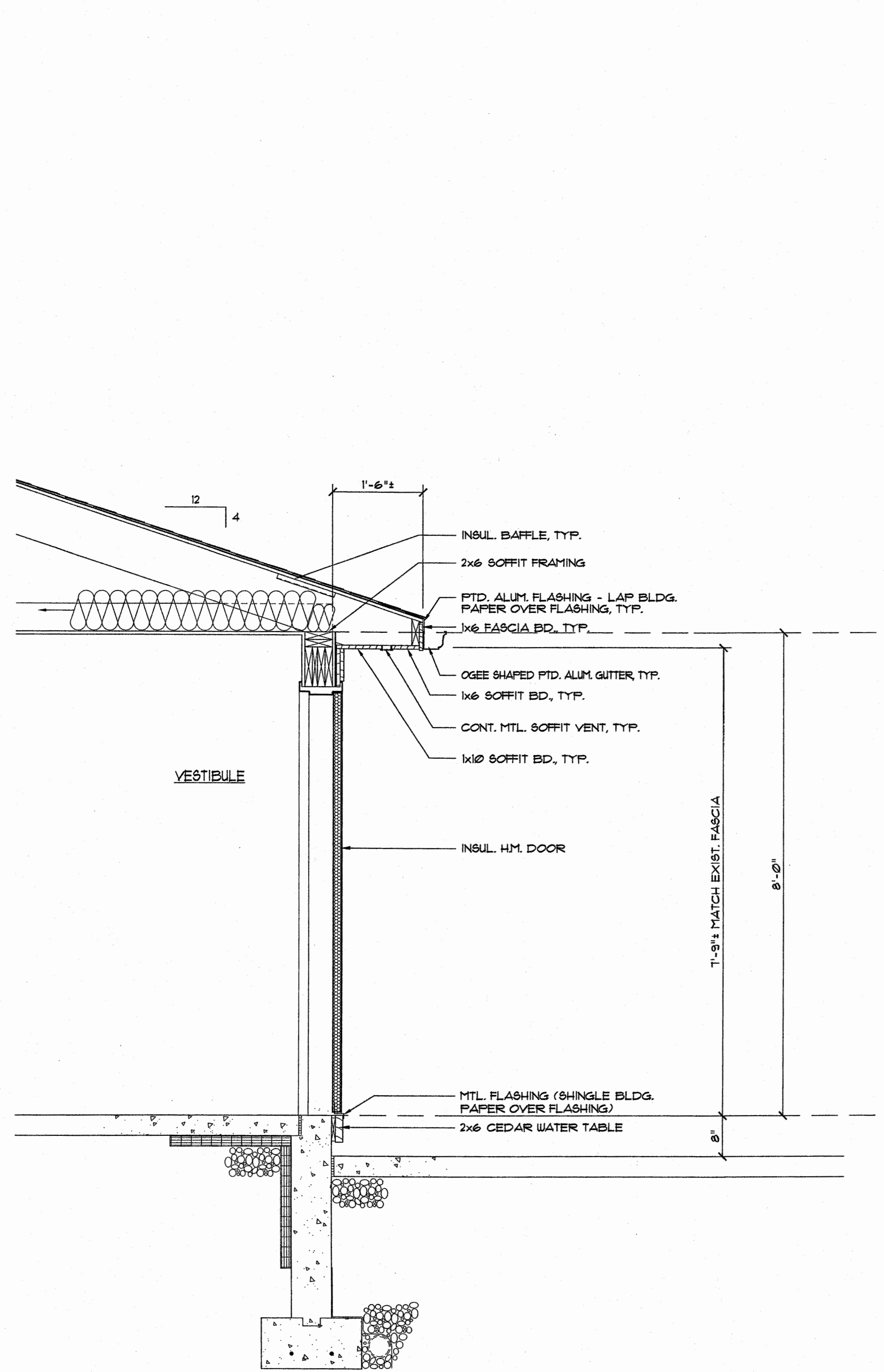
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 FAX: (860) 246-6318
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Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
 Westfield Road
 Meriden Connecticut

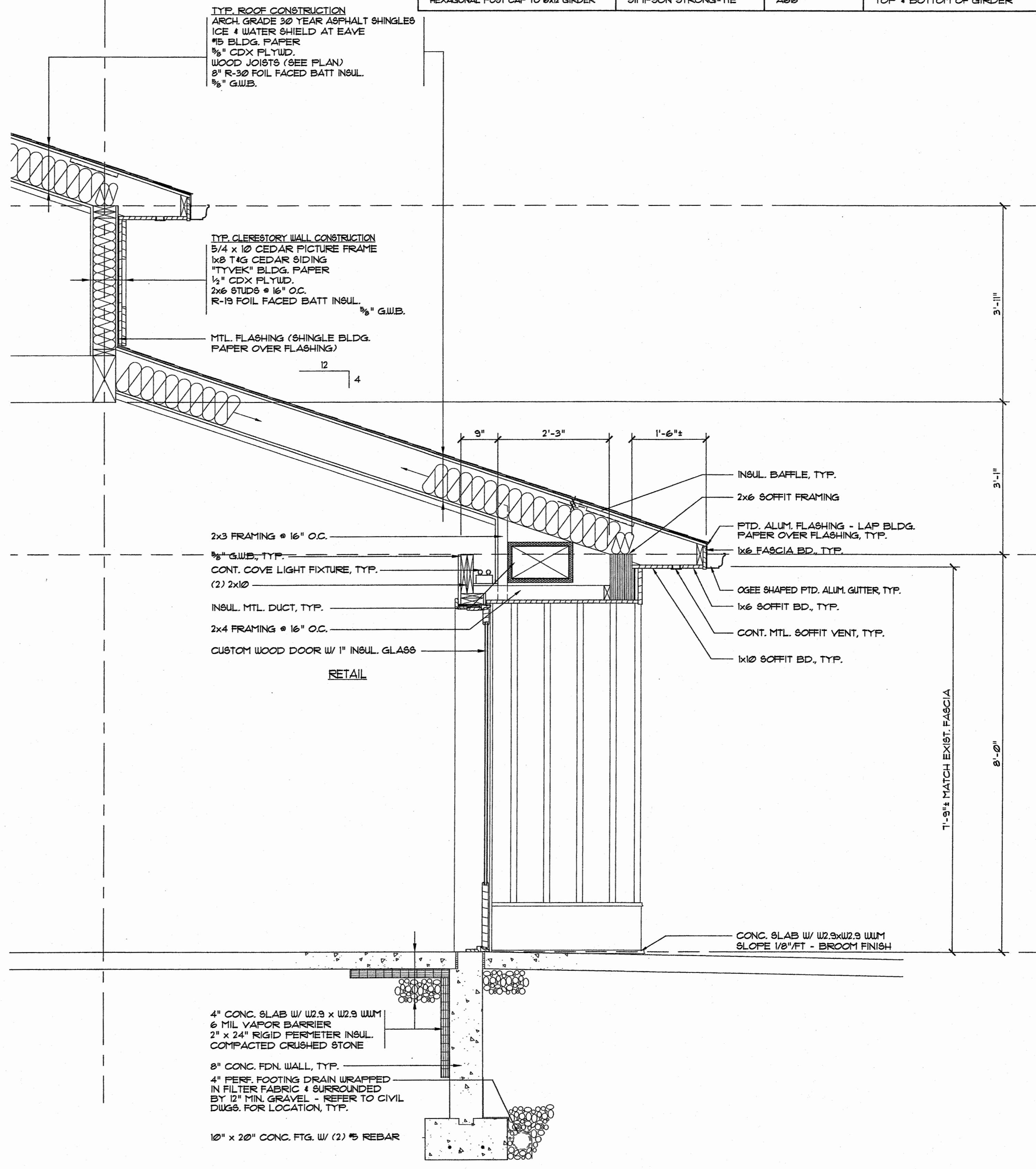
North Arrow
 Scale
 1/4" = 1'-0"

Drawing Title
WALL SECTIONS
 Drawn By
 Checked By
 Project Number
 Scale
 Date
 Drawing Number

File No: x:\d\current\golf\08-details
A-8



2 WALL SECTION
 3/4" = 1'-0"



1 WALL SECTION
 3/4" = 1'-0"

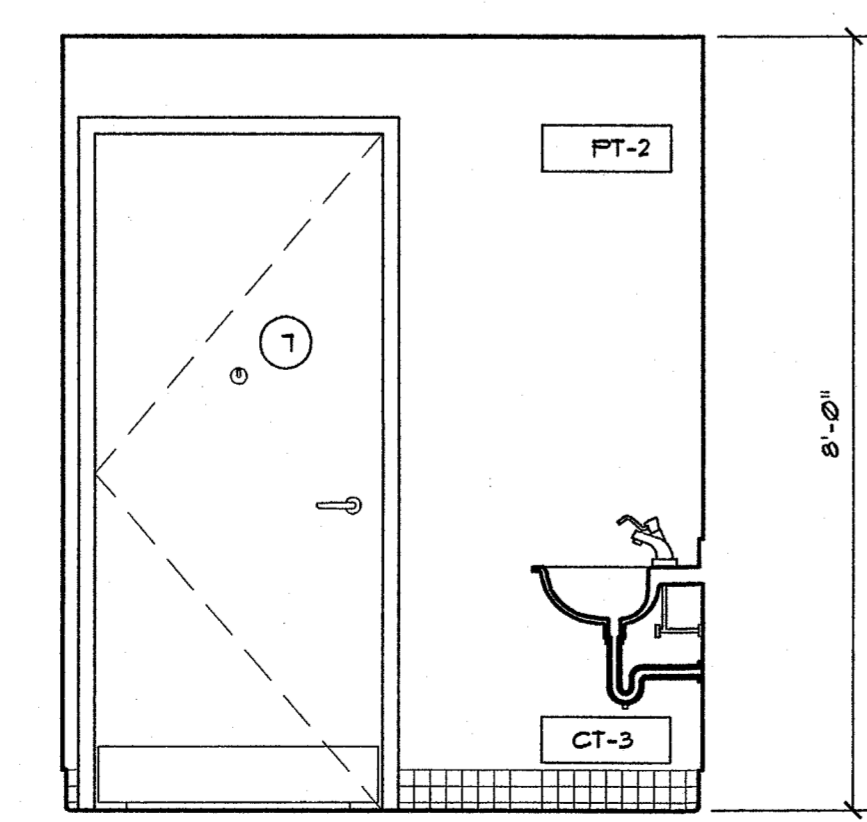
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No.	Date	Issue
1	12/15/21	ISSUED FOR PERMIT
No.	Date	Revision

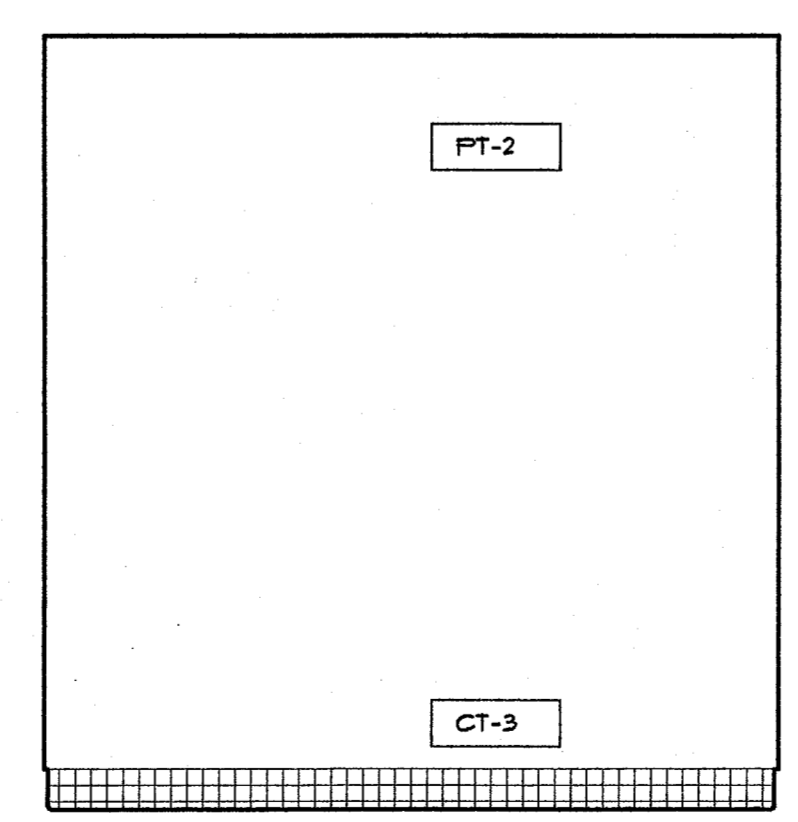
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 Stamford, CT 06901
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 FAX (203) 357-7818
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 Manchester, CT 06040-5921
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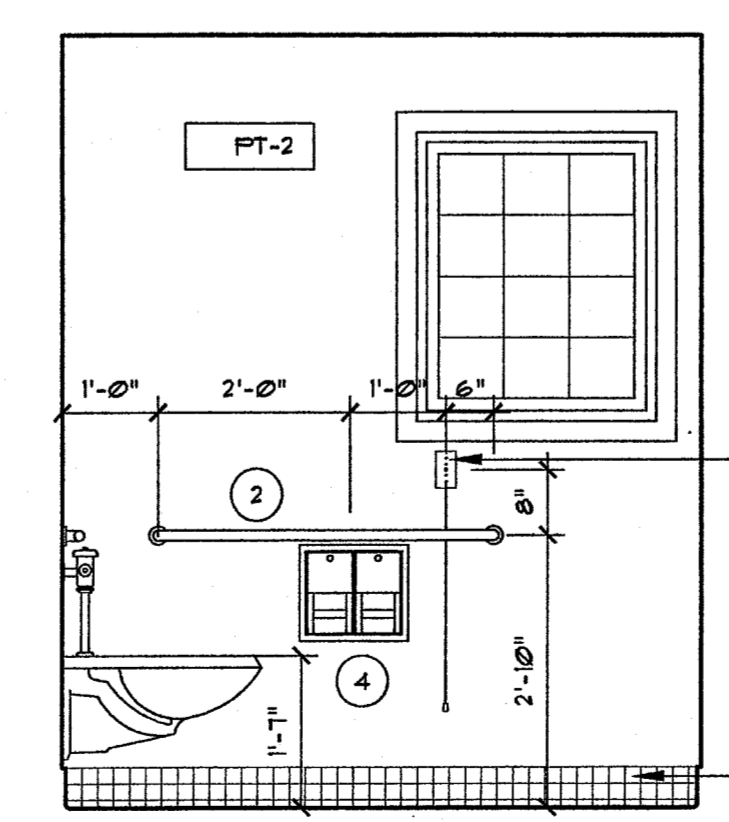
ACCESSORY SCHEDULE	
①	36" LONG GRAB BAR
②	42" LONG GRAB BAR
③	30" LONG SWING-UP GRAB BAR
④	PAPER TOWEL DISPENSER
⑤	COMBINATION PAPER TOWEL DISPENSER / DISPOSAL
⑥	18" WIDE x 36" HIGH MIRROR
⑦	COAT HOOK



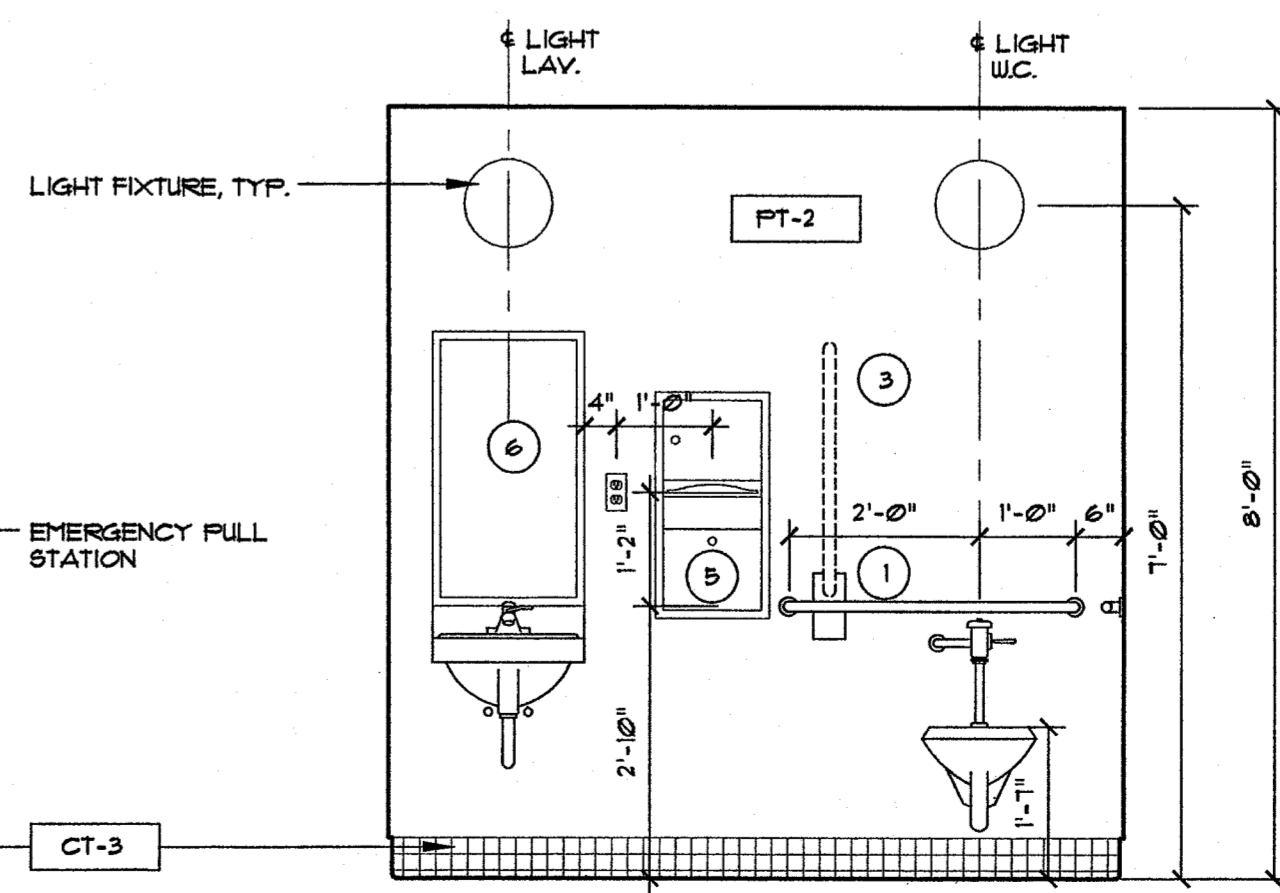
④ TOILET ELEVATION
 A 1/2" = 1'-0"



③ TOILET ELEVATION
 A 1/2" = 1'-0"



② TOILET ELEVATION
 A 1/2" = 1'-0"



① TOILET ELEVATION
 A 1/2" = 1'-0"

Project Title
HUNTER MEMORIAL GOLF COURSE PRO-SHOP
 Westfield Road
 Meriden Connecticut

North Arrow
 Sect

Drawing Title
INTERIOR ELEVATIONS
 Drawn By _____
 Checked By _____
 Project Number 12121
 Scale 1/2" = 1'-0" UCLN
 Date 12/15/21
 Drawing Number

FINISH SCHEDULE

WALL KEY
N
E
S
W

LINE NO.	RM. NO.	ROOM NAME	FLOOR MAT.	FLOOR BASE	WALL								TRM	REMARKS	
					FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.			FIN.
101	RETAL	CPT-1	WB-1	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-3	GWB	VARIES	- STAIN EXPOSED WOOD BEAMS SLOPED CEILING
102	OFFICE	CPT-1	WB-1	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-3	GWB	VARIES	- STAIN EXPOSED WOOD BEAMS SLOPED CEILING
103	OFFICE	CPT-1	WB-1	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-3	GWB	VARIES	- STAIN EXPOSED WOOD BEAMS SLOPED CEILING
104	WORKSHOP/STORAGE	VCT-1	WB-1	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-3	GWB	VARIES	- STAIN EXPOSED WOOD BEAMS SLOPED CEILING
105	VESTIBLE	VCT-1	WB-1	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-3	GWB	8'-0"	-
106	TOILET	CT-1/CT-2	CT-3	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-3	GWB	8'-0"	-
107	MECL	CONC.	WB-1	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-3	GWB	8'-0"	-
108	GARAGE	CONC.	-	EXST.	WD	EXST.	WD	EXST.	WD	EXST.	WD	EXST.	WD	VARIES	- EXST. FINISHES TO REMAIN

FINISH ABBREVIATIONS

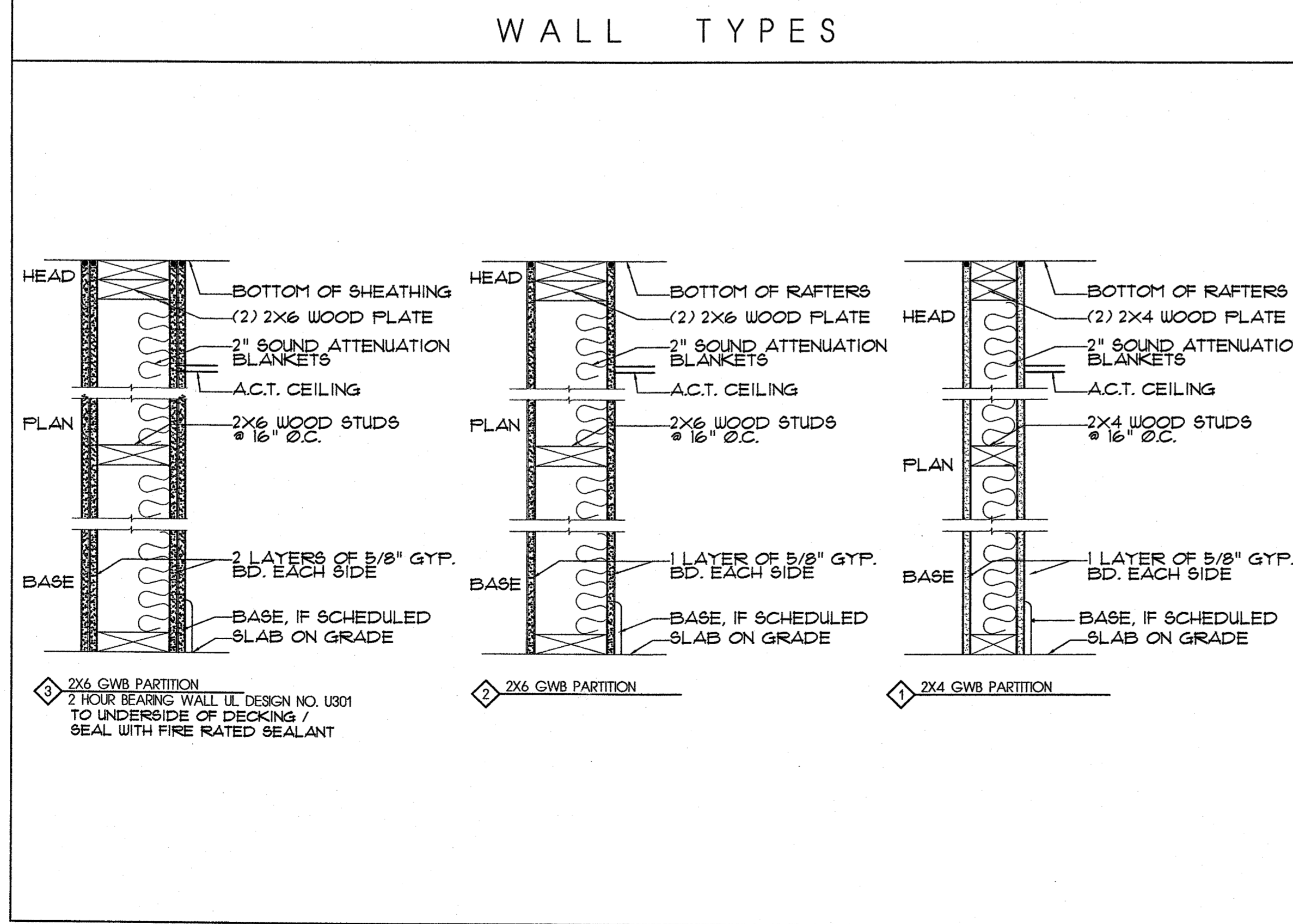
ACT	ACOUSTIC CEILING TILE
CONC	CONCRETE (STAR FLOOR - PAINTED / ALL OTHER FLOORS - SEALED)
CPT	CARPET
CT	CERAMIC TILE
GL	GLASS (SEE ELEVATIONS)
PL	PLASTIC LAMINATE
PT	PANT
QT	QUARRY TILE
RB	RUBBER TILE FLOORING & TREADS
RF	RESINOUS FLOORING
SC	STEEL SECURITY CEILING
ST	STONE (MARBLE TILE 15' x 15' x 3/4")
VB	VINYL COVE BASE
VCT	VINYL COMPOSITION TILE
WC	VINYL WALL COVERING
WD	WOOD (STAINED)

ROOM FINISH PT-X
ROOM FINISH WC-X

ROOM FINISH PT-X
ROOM FINISH PT-Y

MATERIAL LIST

ITEM	DESCRIPTION	ITEM	DESCRIPTION
CARPET	CPT-1 KARASTAN PATTERN: ADRONACK • ADK COLOR: # 7H CRANE MOUNTAIN WOVEN VELVET 30X DUFONT ANTRON LEGACY 30 OZ. WEIGHT	PAINT	PT-1 BENJAMIN MOORE PUTNAM IVORY • HC-39 (EGG SHELL)
CERAMIC TILE	CT-1 AMERICAN OLEAN 2' x 2' x 1/4" CERAMIC MOSAIC QUICKLAYER • 31 (FIELD)	PT-2 BENJAMIN MOORE BUNNY GRAY • Z124-50 (EGG SHELL)	
CT-2 AMERICAN OLEAN 2' x 2' x 1/4" CERAMIC MOSAIC DARK ASPEN • A02 (ACCENT BORDER - 2" WIDE / 2" WIDE FROM BASE)	PT-3 BENJAMIN MOORE MONTEREY WHITE • HC-27 (FLAT)		
CT-3 AMERICAN OLEAN 2' x 2' x 1/4" CERAMIC MOSAIC (BASE TRIM • MT-6) DARK ASPEN • A02	STAIN	STN-1 BENJAMIN MOORE PUTNAM IVORY • HC-39 (EGG SHELL)	
CERAMIC TILE NOTES: a. ALL TILE WORK TO HAVE 1/8" GROUT JOINTS. b. GROUT SHALL BE SELECTED BY ARCHITECT. c. PROVIDE INTERIOR & EXTERIOR CORNER COVE BASE TRIM TO MATCH & COORDINATE WITH CT-3.	BLINDS / SHADES	BL-1 LEVOLOR RIVERA 7" MINI BLINDS COLOR: WHITE	
VINYL COMPOSITION TILE	VCT-1 CONGOLEUM XXXX TILES TO BE QUARTER TURNED	HARDWARE	ALL HARDWARE TO BE STAINLESS STEEL #4 SATIN FINISH
WOOD BASE	WB-1 1 x 6 RED OAK WITH EASED EDGE STAIN WITH STN-1	MISCELLANEOUS ITEMS	ENTRY MAT.
VINYL BASE	VB-1 JOHNSONITE 1/8" CB-44 SANDALWOOD STRAIGHT FOR CARPET / COVERED FOR VINYL COMPOSITION TILES	FINISH NOTES: 1. SEE FLOOR PLANS, INTERIOR ELEVATIONS & REFLECTED CEILING PLAN DRAWINGS FOR MATERIAL LOCATIONS. 2. THE CONTRACTOR SHALL PREPARE ALL SUBSTRATES PER MANUFACTURERS BEFORE APPLYING FINISHES. 3. ALL INTERIOR HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED WITH PAINT TO MATCH THE ROOM ON EACH SIDE OF THE DOOR, UNLESS OTHERWISE NOTED (SEE DETAILS ABOVE). 4. ALL EXTERIOR WINDOWS SHALL HAVE BLINDS. 5. ALL FLOOR SURFACE TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR, UNLESS OTHERWISE NOTED. 6. FEATHER AS REQUIRED TO ENSURE SMOOTH TRANSITION BETWEEN DIS-SIMILAR FINISHES. 7. PROVIDE SILICONE SEALANT AT THE JUNCTURES OF WALLS, CABINETS & FIXTURES. 8. REFER TO GLASS SCHEDULE FOR GLASS TYPES (GL-#)	
PLASTIC LAMINATE	PL1 NEVAMAR XXXX ALL HORIZONTAL & VERTICAL SURFACES		



DOOR SCHEDULE

LINE NO.	LOCATION	DOOR	HAND	TYPE	GLASS	SIZE			DOOR FIN.	DOOR MAT.	FRAME DETAIL			LBL	HDWR	REMARKS	
						W	H	T			FIN.	MAT.	HEAD				JAMB
1011	RETAL	EXTERIOR	LH	A		3'-0"	7'-0"	1-3/4"	PTD	WD	PTD	HM	1 A-8	5	1		
1021	RETAL	OFFICE	LH	B		3'-0"	7'-0"	1-3/4"	STN-1	WD	PTD	HM	1	1	1	2	
1031	RETAL	OFFICE	RH	B		3'-0"	7'-0"	1-3/4"	STN-1	WD	PTD	HM	1	1	1	2	
1041	RETAL	WORKSHOP	RH	B		3'-0"	7'-0"	1-3/4"	STN-1	WD	PTD	HM	1	1	2	2	
1051	RETAL	VESTIBLE	LH	C	GL-2	3'-0"	7'-0"	1-3/4"	PTD	HM	PTD	HM	2	2	2	3	
1052	VESTIBLE	EXTERIOR	LH	C	GL-1	3'-0"	7'-0"	1-3/4"	PTD	HM	PTD	HM	2, A-8	5	1		
1053	VESTIBLE	GARAGE	LH	B	GL-3	3'-0"	7'-0"	1-3/4"	PTD	HM	PTD	HM	3	3	3	90	100 SQ. IN. GLASS LITE
1061	TOILET	VESTIBLE	RH	B		3'-0"	7'-0"	1-3/4"	PTD	HM	PTD	HM	1	1	4	4	

DOOR TYPES

A CUSTOM GLASS

B FLUSH

C HALF GLASS

D VENT

GLASS TYPES

TYPE	DESCRIPTION	REMARKS
GL-1	1" INSULATED CLEAR TEMPERED	1/4" CLEAR TEMPERED 1/2" AIR SPACE 1/4" CLEAR TEMPERED LO E COATING ON #3 SURFACE
GL-2	1/4" CLEAR TEMPERED	
GL-3	1/4" POLISHED WIRE	

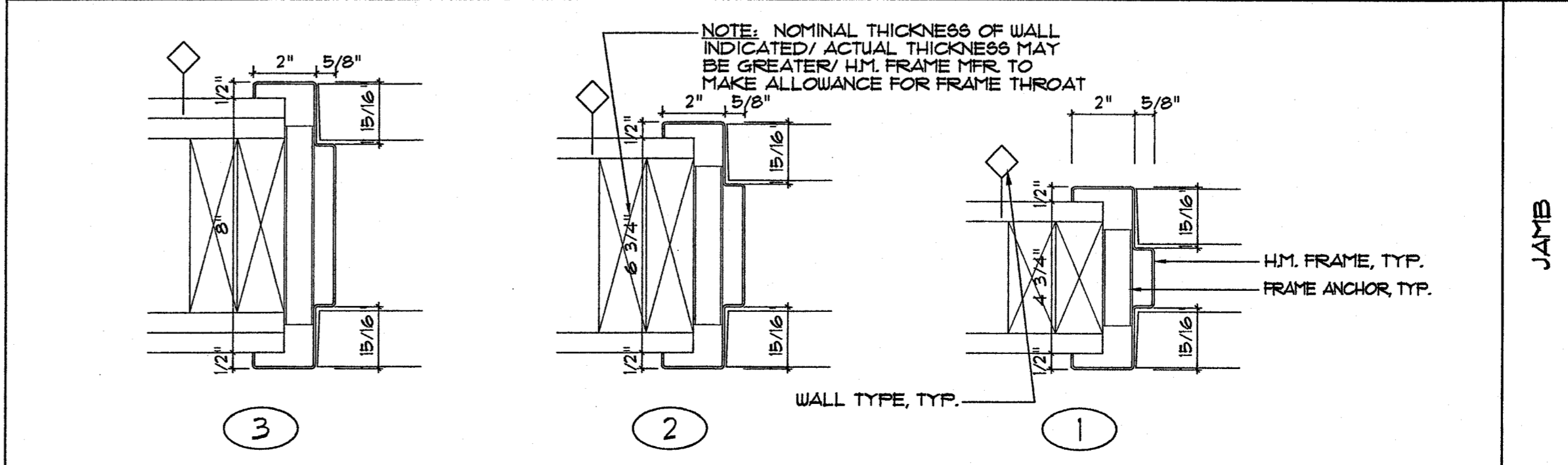
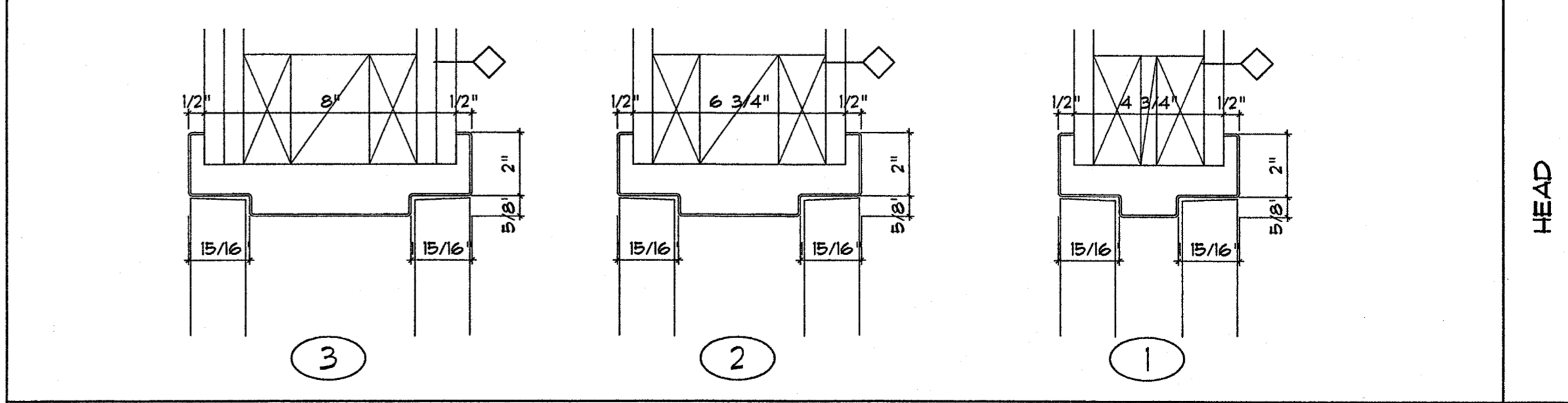
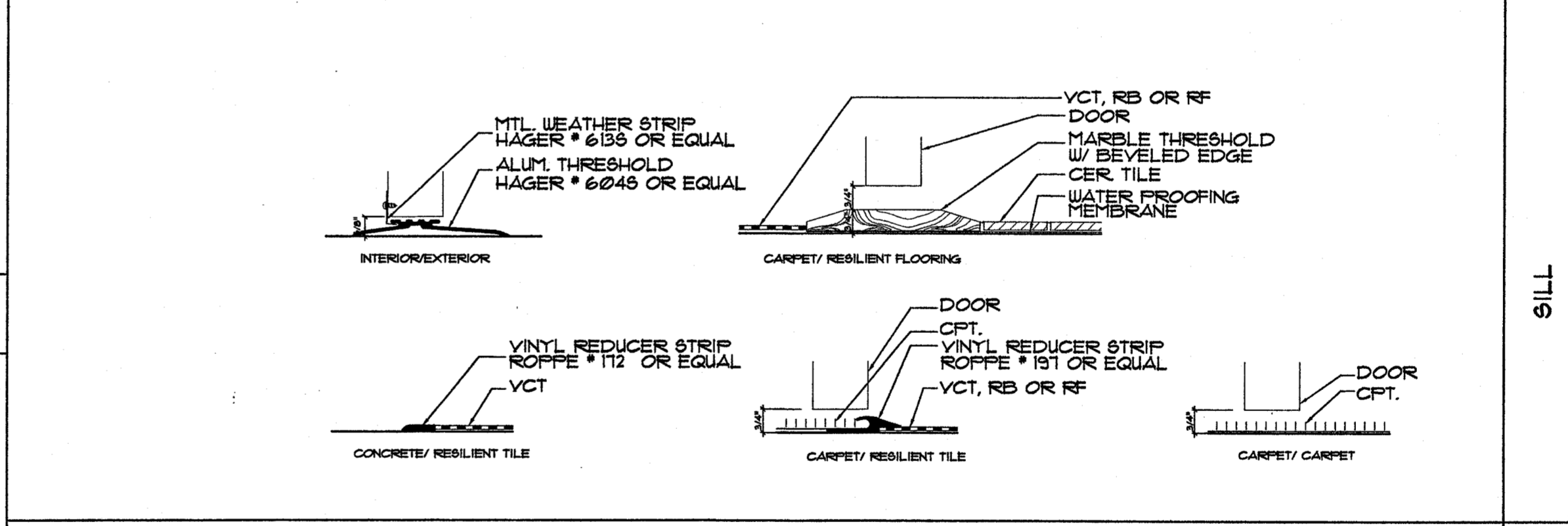
HARDWARE SETS

SET #1	SET #2	SET #3	SET #4
1 1/2" PAR BUTTS 1 CLOSER 1 LOCK LEVER SET W/ DEAD BOLT 3 SILENCERS 1 THRESHOLD	1 1/2" PAR BUTTS 1 LATCH LEVER SET 3 SILENCERS 1 FLOOR STOP	1 1/2" PAR BUTTS 1 LATCH LEVER PASSAGE SET 3 SILENCERS	1 1/2" PAR BUTTS 1 PRIVACY LEVER SET 3 SILENCERS 1 WALL STOP 1 CLOSER

WINDOW SCHEDULE

NO.	MANUF.	CAT. NO.	TYPE	FRAME SIZE (W X H)	REMARKS
A	PEACHTREE	F4872	PICTURE	4'-0" x 6'-0"	
B	PEACHTREE	F3672	PICTURE	3'-0" x 6'-0"	
C	PEACHTREE	C3036-LH	CASEMENT	2'-6" x 3'-0"	

WINDOW NOTES:
1. ALL WINDOWS ARE PEACHTREE AERL SERIES.
2. VERIFY ROUGH OPENING OF WINDOWS WITH MANUFACTURER.
3. ALL WINDOWS TO HAVE MANUFACTURER'S STANDARD THICKNESS INSULATING GLASS WITH LOW E COATING AND ARGON GAS.



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Architects Planners Interior Designers

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Breiemeister
P.C.**

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EMAIL: www.fussandoneill.com

Project Title

**HUNTER MEMORIAL GOLF
COURSE PRO-SHOP**

**Westfield Road
Meriden Connecticut**

North Arrow

Scale

Drawing Title

**SCHEDULES, DOOR & WALL
TYPES**

Drawn By _____
Checked By _____
Project Number 12121
Scale AS NOTED
Date 12/15/21
Drawing Number _____

A-10

File No: x:\current\golf\archd

scale 1"=20'
date
drawn
checked
approved



CARLIN-POZZI-CHIN ARCHITECTS, P.C.
THREE LINCOLN STREET
NEW HAVEN, CONNECTICUT

ARE PLANTINGS INCL?
Contract area

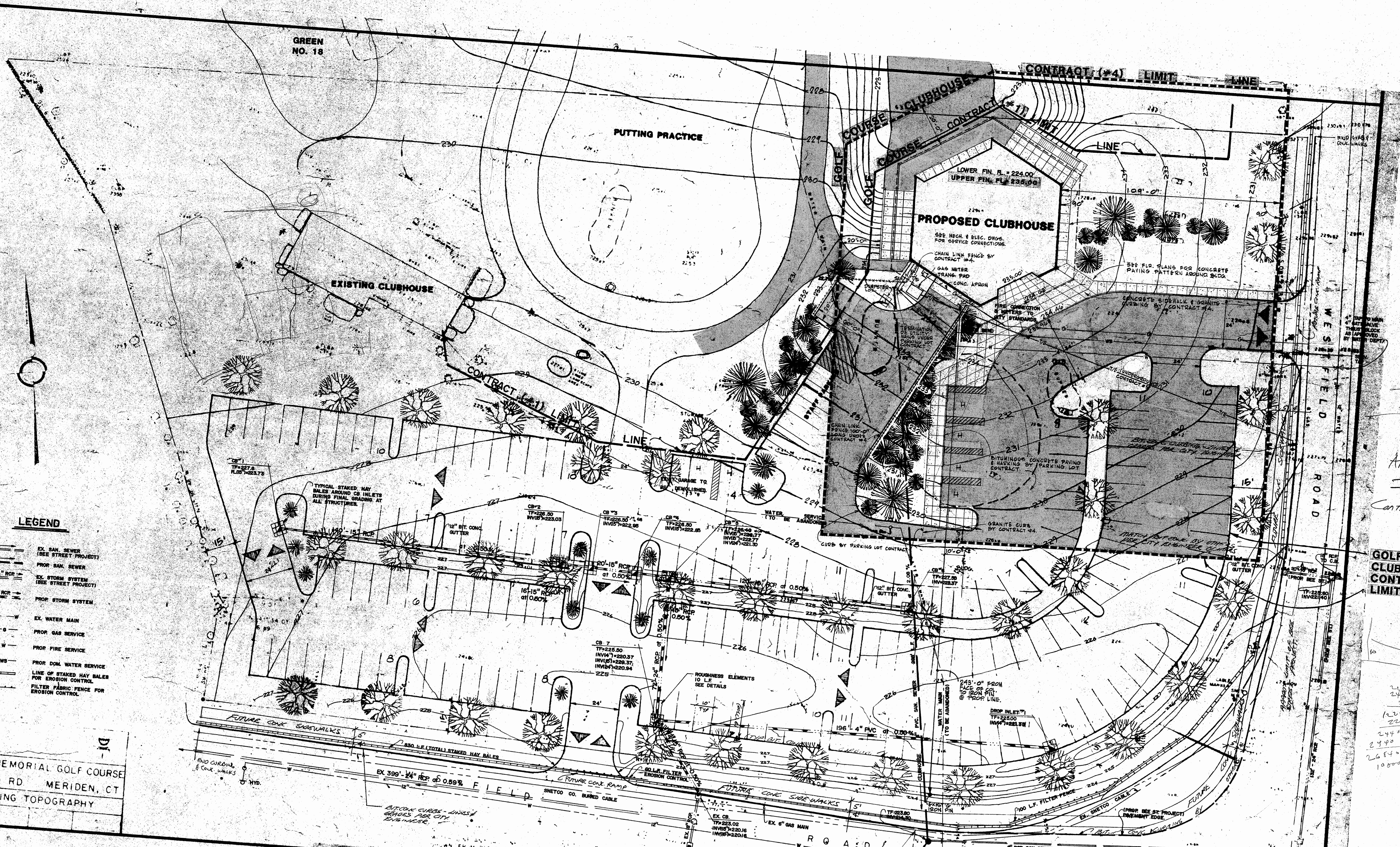
GOLF COURSE CLUBHOUSE CONTRACT (#4) LIMIT LINE

22
26
12.0
22.0
244.0
244.0
244.0
10000

CLUBHOUSE
HUNTER MEMORIAL GOLF COURSE
CONTRACT NO. 4
CITY OF MERIDEN, CONNECTICUT

SITE PLAN

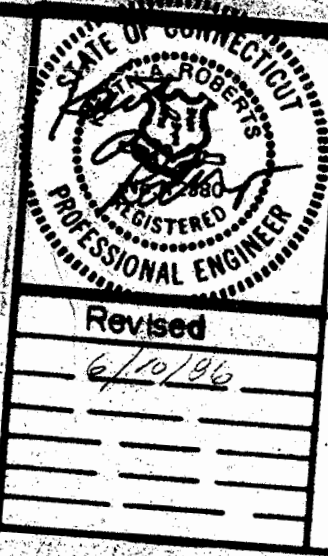
1



LEGEND

- 6" PVC EX. SAN. SEWER (SEE STREET PROJECT)
- 6" PVC PROP. SAN. SEWER
- 24" RCP EX. STORM SYSTEM (SEE STREET PROJECT)
- 18" RCP PROP. STORM SYSTEM
- EX. WATER MAIN
- PROP. GAS SERVICE
- PROP. FIRE SERVICE
- PROP. DOM. WATER SERVICE
- LINE OF STAKES MAY BE ALIAS FOR EROSION CONTROL
- FILTER FABRIC FENCE FOR EROSION CONTROL

HUNTER MEMORIAL GOLF COURSE
WESTFIELD RD MERIDEN, CT
EXISTING TOPOGRAPHY



SITE PLAN
HUNTER MEMORIAL GOLF COURSE
MERIDEN, CONN.
K. A. ROBERTS & ASSOC.
PROFESSIONAL ENGINEERS
34 TIMBERLEA DR.
MERIDEN, CT. 06450 (203) 634-7635, or (203) 237-5799

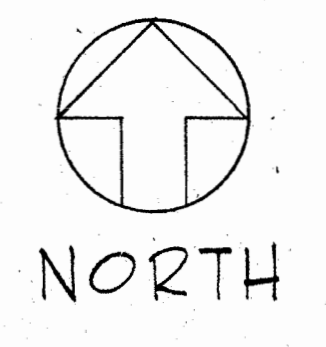
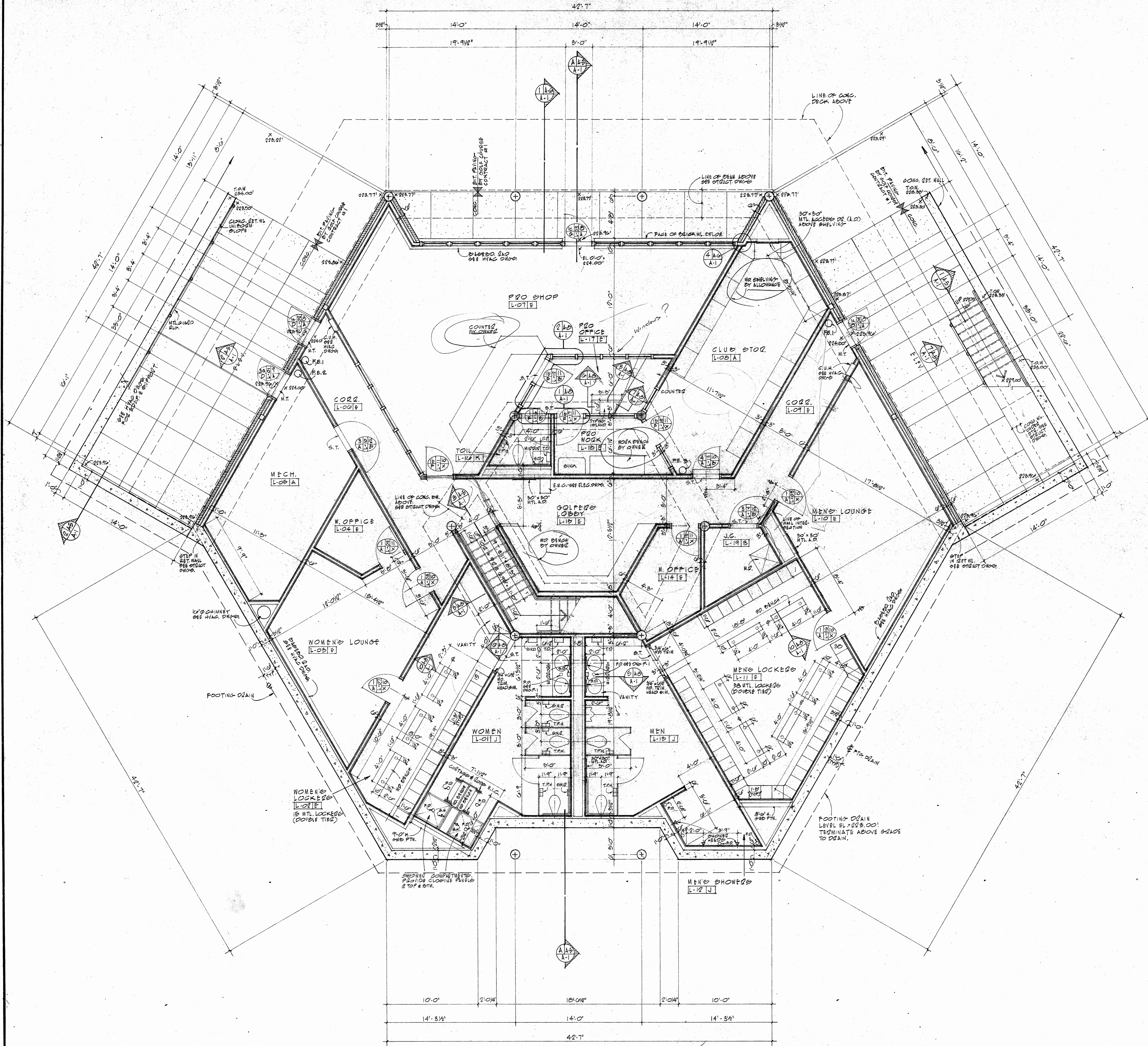
DATE: MAY, 1986
Design by: [Signature]
Chk'd by: KAR
Comm No. 8617
Sheet No. 1 of 2

PARKING COUNT

STANDARD	170 (9 19)
STAFF	8 (9 19)
H'CAP.	6 (15 19)
TOTAL	184 CARS

SITE PLAN SCALE: 1"=20'
PROPOSED CLUBHOUSE
HUNTER MEMORIAL GOLF COURSE
CARLIN - POZZI - CHIN, ARCHITECTS P.C.
17 APRIL 86

NOTE:
--- CONTRACT LIMITS OF CLUBHOUSE CONTRACT.
ADJUST LIMITS AS REQ'D FOR COORDINATION
OF SITE GRADING, PAVING, LANDSCAPING & UTILITIES.
BITUMINOUS PAVING
ALL PLANTING & PAVING & GRADING BY OTHERS,
EXCEPT WHERE OTHERWISE NOTED.



drawing no.	A-1
LOWER LEVEL FLOOR PLAN	
CLUBHOUSE HUNTER MEMORIAL GOLF COURSE CONTRACT NO. 4 CITY OF MERIDEN, CONNECTICUT	
CARLIN POZZI-CHIN ARCHITECTS, P.C. THREE LINCOLN STREET NEW HAVEN, CONNECTICUT	
scale	1/4" = 1'-0"
drawn	checked
date	approved
no.	date description