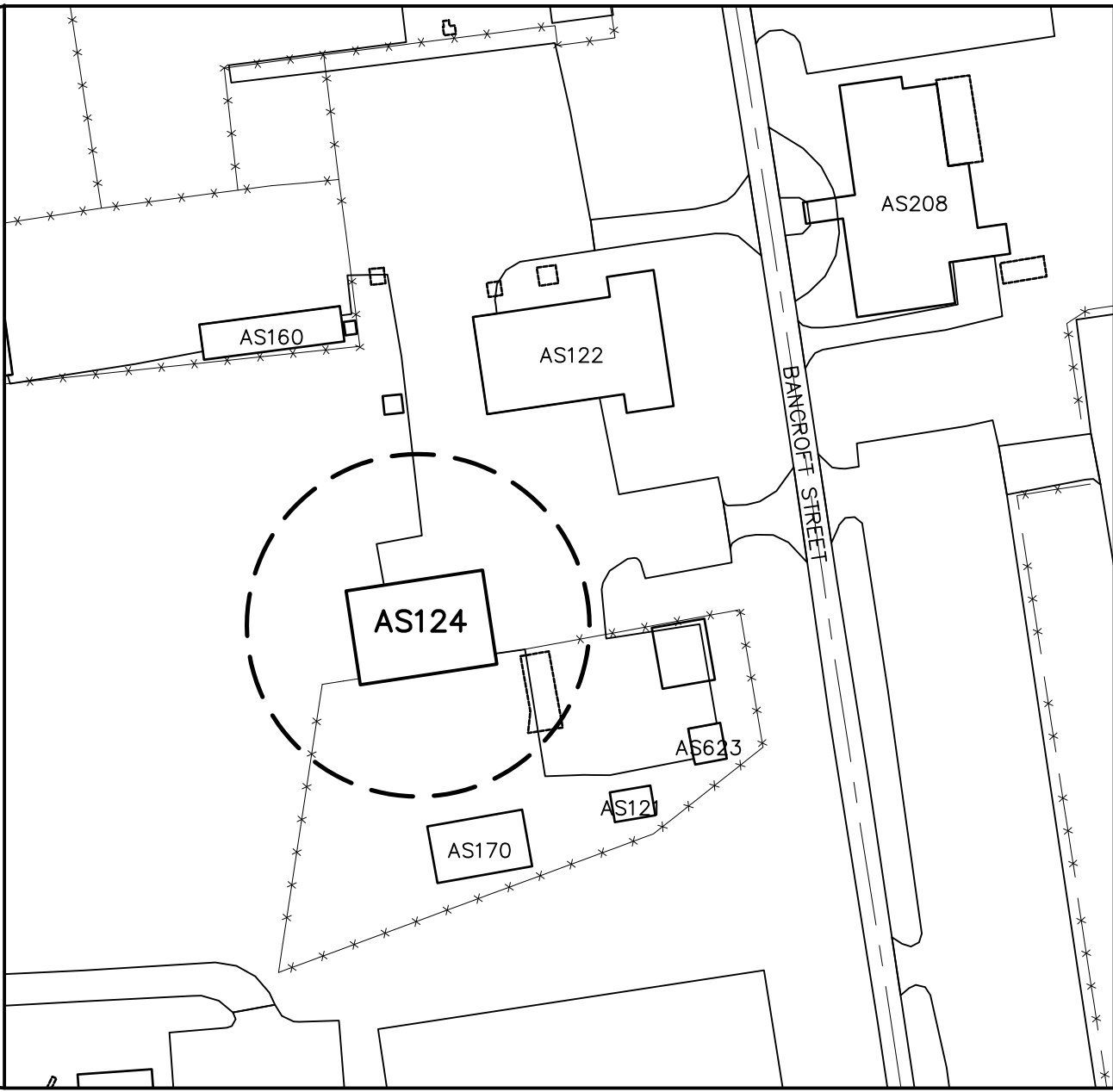
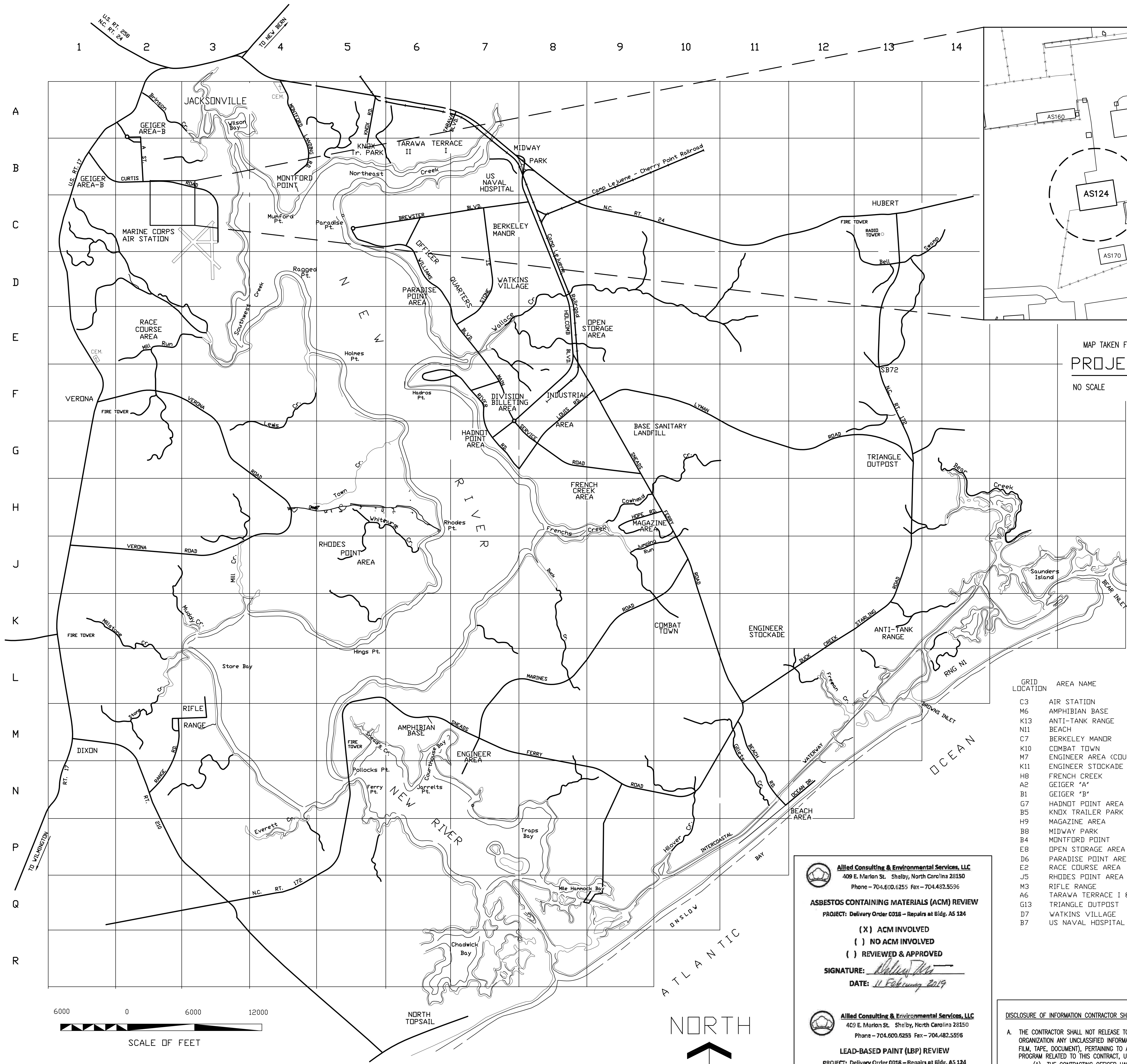
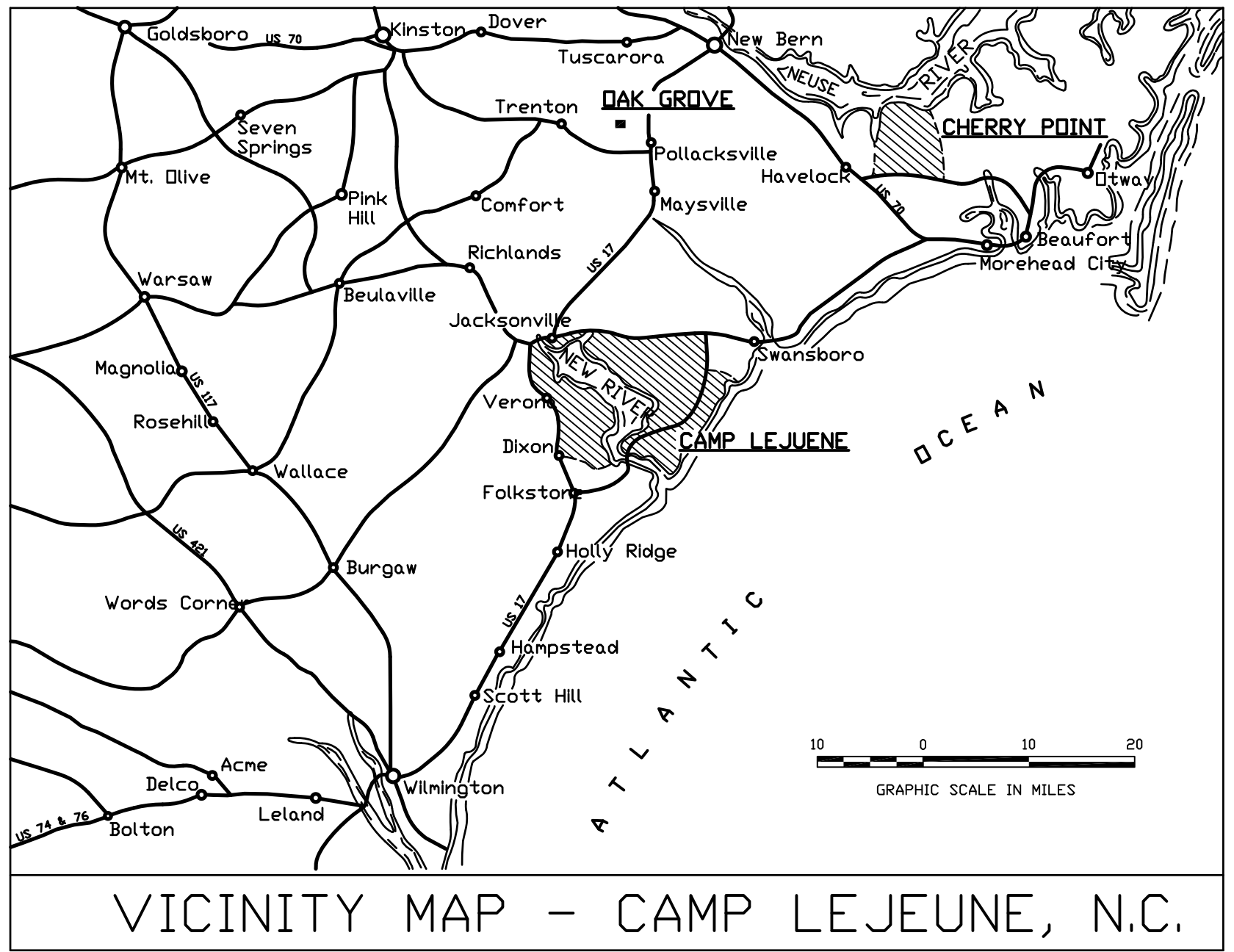


REVISIONS			
SYN.		DATE	APPROVED



MAP TAKEN FROM THE BOTTOM RIGHT OF GRID B2
PROJECT AREA MAP
 NO SCALE



LIST OF DRAWINGS

- 60024409 T-1 LOCATION MAPS & GENERAL NOTES
- 60024410 LS-1 LIFE SAFETY LEGEND AND NOTES
- 60024411 LS-2 LIFE SAFETY FLOOR PLAN
- 60024412 H-1 HAZARDOUS MATERIAL PLAN
- 60024413 C-1 SITE PLAN EXISTING CONDITIONS AND DEMOLITION
- 60024414 C-2 SITE LAYOUT & GRADING PLAN
- 60024415 C-3 DETAILS
- 60024416 A-1 EXISTING CONDITIONS PLAN
- 60024417 A-2 RENOVATED CONDITIONS PLAN
- 60024418 A-3 DOOR & FINISH SCHEDULES
- 60024419 A-4 ELEVATIONS
- 60024420 A-5 CEILING PLANS
- 60024421 A-6 ROOF PLANS
- 60024422 A-7 GENERAL BUILDING SECTIONS
- 60024423 A-8 DETAIL SECTIONS
- 60024424 A-9 DETAIL SECTIONS
- 60024425 A-10 DETAIL SECTIONS
- 60024426 P-1 SCHEDULES, LEGEND ABBREVIATIONS AND LOADS
- 60024427 P-2 PLUMBING DEMOLITION FLOOR PLAN
- 60024428 P-3 PLUMBING PLANS AND RISER DIAGRAMS
- 60024429 M-1 MECHANICAL NOTES, SCHEDULES, ABBREVIATIONS AND LEGEND
- 60024430 M-2 MECHANICAL HVAC PLAN
- 60024431 M-3 MECHANICAL DETAILS
- 60024432 E-1 ELECTRICAL LEGEND, SUMMARIES
- 60024433 E-2 ELECTRICAL NOTES
- 60024434 E-3 ELECTRICAL RISER DIAGRAMS
- 60024435 E-4 ELECTRICAL DETAILS
- 60024436 E-5 ELECTRICAL POLE DETAILS
- 60024437 E-6 ELECTRICAL PANEL SCHEDULES
- 60024438 E-7 ELECTRICAL LIGHTING SCHEDULES & DETAILS
- 60024439 E-8 TELECOMMUNICATION RISER AND DETAILS
- 60024440 E-9 ELECTRICAL DEMOLITION FLOOR PLAN
- 60024441 E-10 ELECTRICAL POWER FLOOR PLAN
- 60024442 E-11 ELECTRICAL LIGHTING FLOOR PLAN

GRID LOCATION	AREA NAME
C3	AIR STATION
M6	AMPHIBIAN BASE
K13	ANTI-TANK RANGE
N11	BEACH
C7	BERKELEY MANOR
K10	COMBAT TOWN
M7	ENGINEER AREA (COURTHOUSE BAY)
K11	ENGINEER STOCKADE
H8	FRENCH CREEK
A2	GEIGER "A"
B1	GEIGER "B"
G1	HADNOT POINT AREA
B5	KNOX TRAILER PARK
H9	MAGAZINE AREA
B8	MIDWAY PARK
B4	MONTFORD POINT
E8	OPEN STORAGE AREA
D6	PARADISE POINT AREA
E2	RACE COURSE AREA
J5	RHODES POINT AREA
M3	RIFLE RANGE
A6	TARAWA TERRACE I & II
G13	TRIANGLE OUTPOST
D7	WATKINS VILLAGE
B7	US NAVAL HOSPITAL

Allied Consulting & Environmental Services, LLC
 409 E. Marion St. Shelby, North Carolina 28150
 Phone - 704.600.6255 Fax - 704.482.5596

ASBESTOS CONTAINING MATERIALS (ACM) REVIEW
 PROJECT: Delivery Order 0018 - Repairs at Bldg. AS 124

(X) ACM INVOLVED
 () NO ACM INVOLVED
 () REVIEWED & APPROVED

SIGNATURE: *[Signature]*
 DATE: 11 February 2019

Allied Consulting & Environmental Services, LLC
 409 E. Marion St. Shelby, North Carolina 28150
 Phone - 704.600.6255 Fax - 704.482.5596

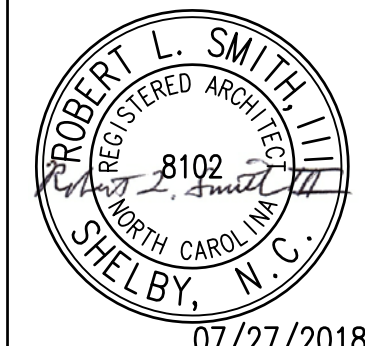
LEAD-BASED PAINT (LBP) REVIEW
 PROJECT: Delivery Order 0018 - Repairs at Bldg. AS 124

(X) LBP INVOLVED
 () NO LBP INVOLVED
 () REVIEWED & APPROVED

SIGNATURE: *[Signature]*
 DATE: 11 February 2019

DISCLOSURE OF INFORMATION CONTRACTOR SHALL COMPLY AS FOLLOWS:

- THE CONTRACTOR SHALL NOT RELEASE TO ANYONE OUTSIDE THE CONTRACTOR'S ORGANIZATION ANY UNCLASSIFIED INFORMATION, REGARDLESS OF MEDIUM (E.G., FILM, TAPE, DOCUMENT), PERTAINING TO ANY PART OF THIS CONTRACT OR ANY PROGRAM RELATED TO THIS CONTRACT, UNLESS:
 - THE CONTRACTING OFFICER HAS GIVEN PRIOR WRITTEN APPROVAL; OR
 - THE INFORMATION IS OTHERWISE IN THE PUBLIC DOMAIN BEFORE THE DATE OF RELEASE.
- REQUESTS FOR APPROVAL SHALL IDENTIFY THE SPECIFIC INFORMATION TO BE RELEASED, THE MEDIUM TO BE USED, AND THE PURPOSE FOR THE RELEASE. THE CONTRACTOR SHALL SUBMIT ITS REQUEST TO THE CONTRACTING OFFICER AT LEAST 45 DAYS BEFORE THE PROPOSED DATE OF RELEASE.
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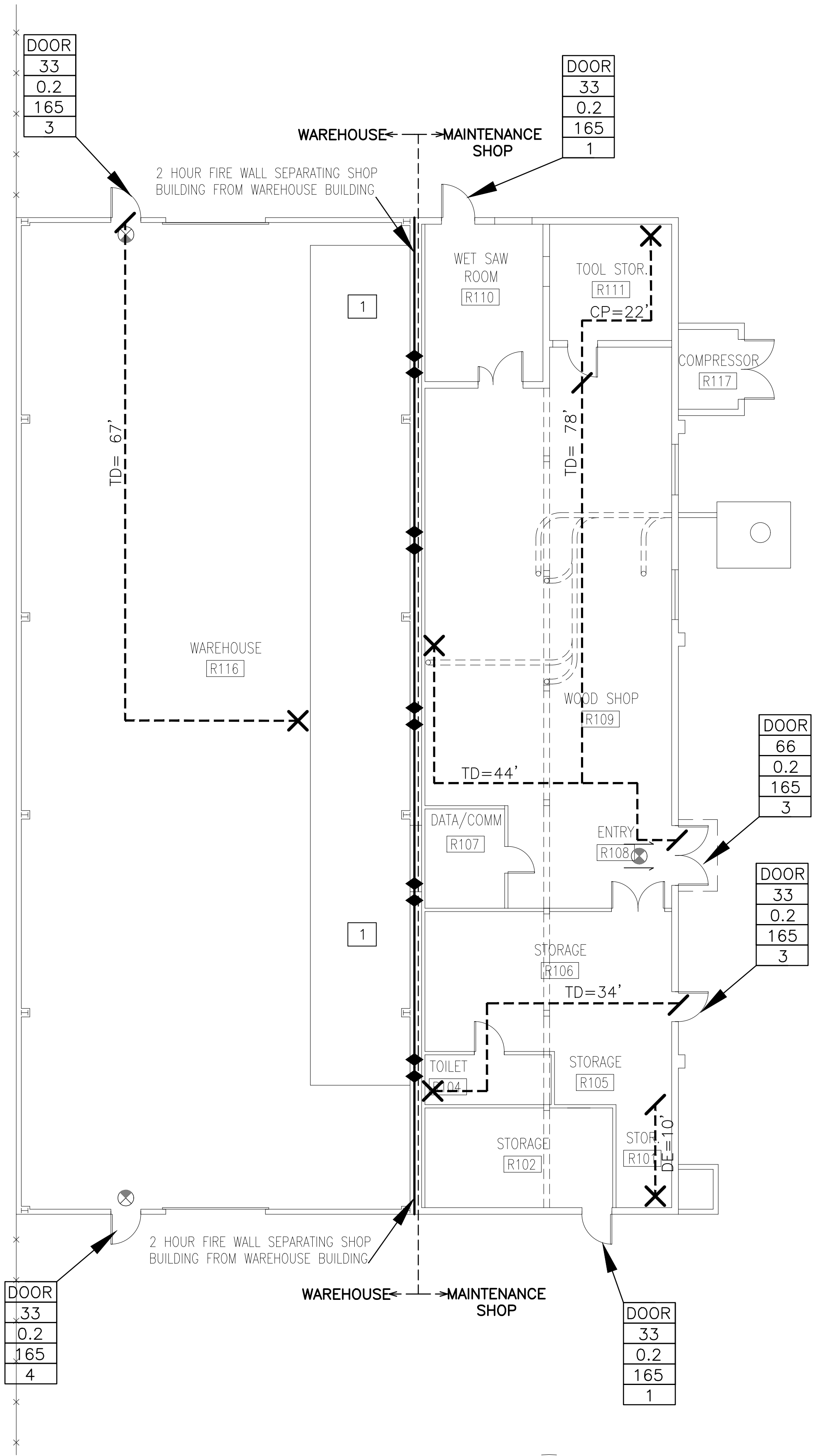
SHEET TITLE: LOCATION MAPS, DRAWING LIST, NOTES		T-1	
TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. Robert L. Smith, III DR. Steven C. Fender CHK. Robert L. Smith, III SUBMITTED BY: DESIGN DR. T.H. Burton, P.E.		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
APPROVED:	DATE:	SIZE: F	CODE IDENT. NO. 80091
SATISFACTORY TO:	DATE:	NAVFAC DRAWING NO. 60024409	
		SCALE: NOTED	SPEC. 05-17-0075
		SHEET 1 OF 34	

LOCATION MAP - U. S. MARINE CORPS BASE - CAMP LEJEUNE, N.C.

REVISIONS			
SYM.		DATE	APPROVED

SHEET NOTES:	
1.	REFERENCE LS-1 FOR CODE ANALYSIS AND LEGEND.

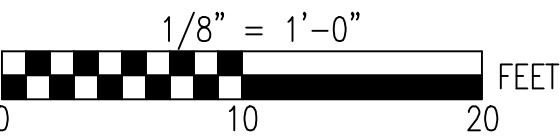
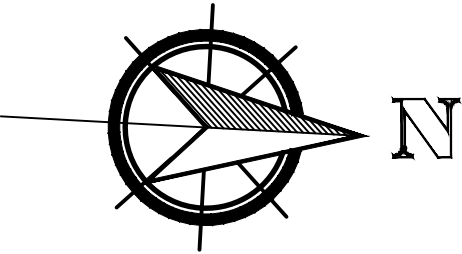
KEY NOTES:	
1	SHELF STORAGE



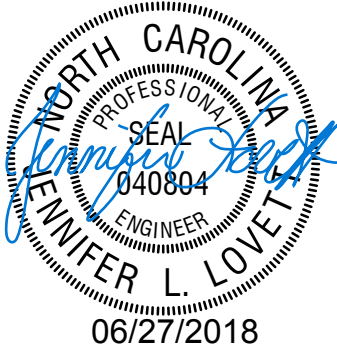
LIFE SAFETY FLOOR PLAN

1/8" = 1'-0"

1
LS -2



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

LIFE SAFETY FLOOR PLAN		LS-2	
Lovett Consultants 4455 Morris Park Dr. Suite 10 Mint Hill, NC 28227 Ph: 704.545.8500 Fax: 704.545.5483 Fire Protection & Building Code Specialists NC Firm License No. F-0596		TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		DES. Jennifer L. Lovett DR. Adam N. Pienkny CHK. Gregorio M. Meso SUBMITTED BY: DESIGN DIR. APPROVED: DATE SATISFACTORY TO: DATE	
		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
SIZE F CODE IDENT. NO. 80091 SCALE: NOTED		NAVAFAC DRAWING NO. 60024411 CONST. CONTR. NO. N40085-17-B-0075 SPEC. 05-17-0075	
		SHEET 3 OF 34	

REVISIONS		
SYN.	DATE	APPROVED

LEAD BASED PAINT SURFACES (LBP) NOTES

THE FOLLOWING SURFACES HAVE BEEN DETERMINED TO HAVE LEAD OR LEAD BASED PAINT (LBP) OR ARE ASSUMED TO CONTAIN LBP BASED ON THE SAMPLE AREAS TESTED. SEE TESTING REPORTS INCLUDED IN PROJECT SPECIFICATIONS.

- A EXTERIOR PAINT AT WINDOWS, DOOR FRAMES, BOLLARDS - OFF-WHITE, WHITE & YELLOW
APPROXIMATE QUANTITY = SEE PLANS (WINDOWS ARE ALREADY INDICATED WITH NOTE 5)
- B INTERIOR PAINT ON WALL IN AREA E103 - WOOD - OFF-WHITE
APPROXIMATE QUANTITY = 100 SF
- C INTERIOR PAINT ON WALLS AREA E103 - GYPSUM BOARD - WHITE
AREAS E105, E106 & E109
APPROXIMATE QUANTITY = 3,200 SF
- D INTERIOR PAINT ON DOOR FRAME & TRIM AT AREA E112 - OFF-WHITE & PEACH
APPROXIMATE QUANTITY = 1 DOOR

DUE TO THE AGE OF THE BUILDING, IN ADDITION TO THE SPECIFIC ITEMS NOTED, TAKE PRECAUTIONS WHEN DISTURBING PAINTED SURFACES THE SAME AS IF SURFACE MIGHT HAVE LBP. TAKE PRECAUTIONS WHENEVER WORK ACTIVITIES WILL CREATE A PAINT DUST.

NOTE THAT PAINT COLORS LISTED ABOVE ARE THOSE VISIBLE AND ARE LISTED FOR CONVENIENCE ONLY. THE ACTUAL LAYER CONTAINING LBP MAY BE BELOW THE VISIBLE LAYER OF PAINT.

ASBESTOS CONTAINING MATERIALS (ACM)
NOTES INDICATED ON PLAN

THE FOLLOWING MATERIALS HAVE BEEN DETERMINED TO CONTAIN ASBESTOS OR ARE ASSUMED TO CONTAIN ASBESTOS PER THE AVAILABLE DATA AND IN ACCORDANCE WITH APPLICABLE REGULATIONS. LOCATIONS AND QUANTITIES ARE APPROXIMATE. SEE TESTING REPORTS INCLUDED IN PROJECT SPECIFICATIONS.

- 1 INTERIOR VCT FLOOR TILE - VARIOUS COLORS
12"x12" AND 9"x9" TILE AND RELATED MASTIC
APPROXIMATE QUANTITY = 800 SQUARE FEET
- 2 WALL AT WATER FOUNTAIN - TRANSITE PANEL - BESIDE AREA E112
WALL BETWEEN AREAS E110 & E111 - TRANSITE PANEL APPLIED
TO WALL IN AREA E110
WALLS IN AREA E114 - TRANSITE WALL PANELS
APPROXIMATE QUANTITY = 580 SQUARE FEET
- 3 TRANSITE CEILING PANELS - AREAS E110, E111, E112, E113, & E114
APPROXIMATE QUANTITY = 620 SQUARE FEET
- 4 INTERIOR DEBRIS FROM TRANSITE, ROOFING MATERIAL, & PIPE
INSULATION - MEZZANINE AREA FLOOR AREA AND RELATED
APPROXIMATE QUANTITY = 320 SQUARE FEET
- 5 WINDOW GLAZING MATERIAL INTERIOR/EXTERIOR - ALL WINDOWS
APPROXIMATE QUANTITY = 13 WINDOWS
- 6 SILVER ROOF COATING APPLIED TO METAL ROOF PANELS
APPROXIMATE QUANTITY = 4,400 SQUARE FEET
ROOF COATING DEBRIS/COATING ON SINGLE PLY ROOF
APPROXIMATE QUANTITY = 2,500 SQUARE FEET

ROOF, MAIN FLOOR, AND ROOF WERE TESTED FOR ACM. CERTAIN INFERENCES HAVE BEEN MADE TO MAKE THE SCOPE OF ACM REMOVAL AS COMPLETE AS POSSIBLE. IF CONTRACTOR ENCOUNTERS MATERIALS THAT ARE SUSPECT ACM THAT ARE NOT IDICATED HEREIN OR IN THE AVAILABLE REPORTS, CONTACT CONTRACTING OFFICER BEFORE PROCEEDING.

ACM ABATEMENT AND LBP REMOVAL NOTES

ACM: REMOVE ACM ENTIRELY. IT IS GOVERNMENT'S INTENT THAT THE BUILDING IS ASBESTOS FREE AT COMPLETION OF PROJECT. DISPOSE OF PROPERLY.

LBP: WHERE WORK IN PROJECT DISTURBS SURFACES WITH LBP OR WHERE ITEMS WITH LBP ARE TO BE REMOVED, TAKE PRECAUTIONS AS SPECIFIED, AS REQUIRED FOR WORKER AND OCCUPANT SAFETY, AND AS REQUIRED BY APPLICABLE REGULATIONS AND AGENCIES HAVING JURISDICTION. ITEMS AND MATERIALS TO BE REMOVED THAT ARE IDENTIFIED TO HAVE LBP SHALL BE REMOVED INTACT OR AS UNITS AND PROPERLY DISPOSED. LBP IN GOOD CONDITION ON SURFACES THAT ARE NOT DISTURBED OR REMOVED MAY REMAIN.

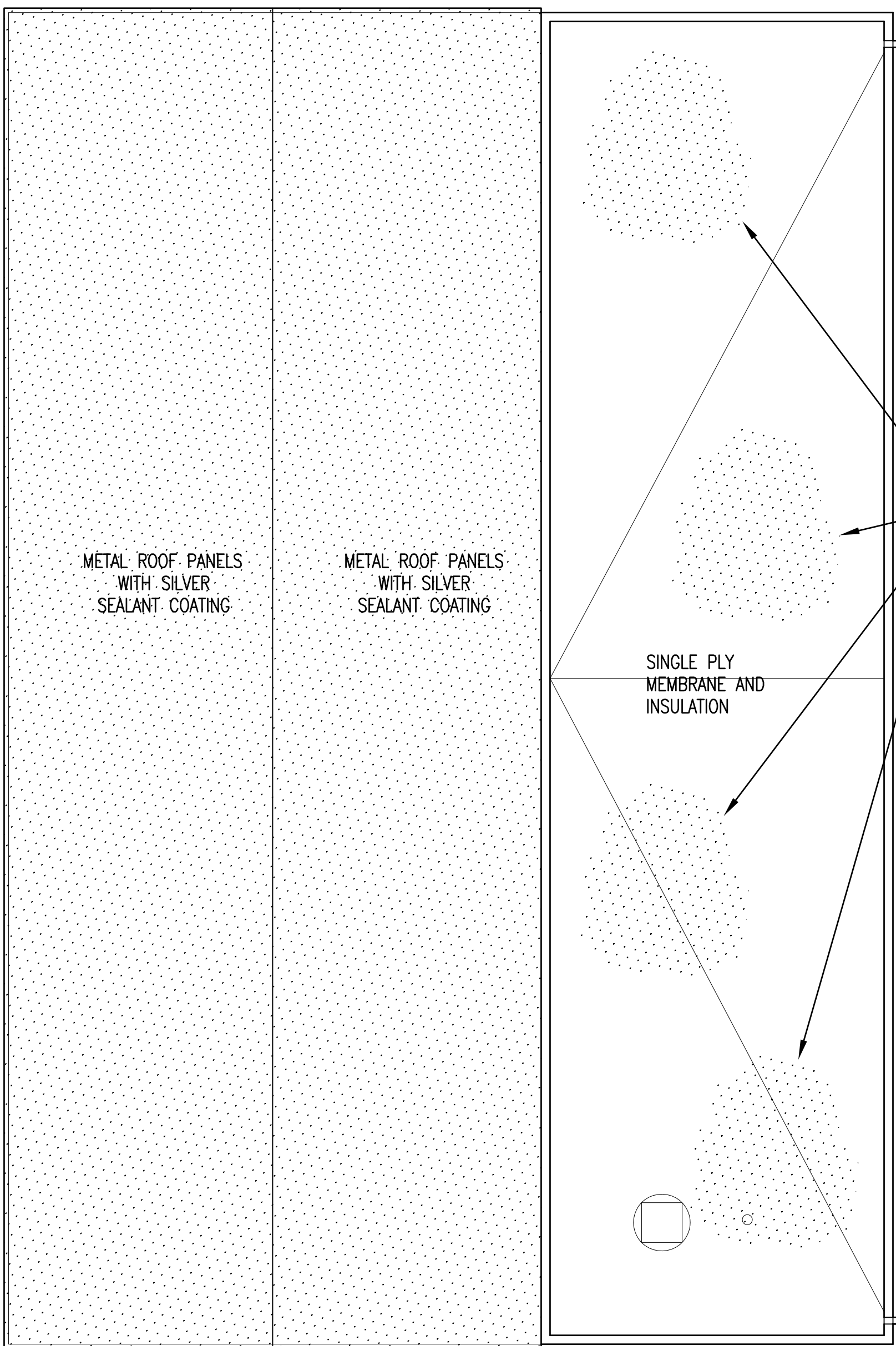
ACM & LBP: INFORMATION SHOWN ON DRAWINGS IS AN INTERPRETATION OF THE TESTING DATA AVAILABLE. QUANTITIES SHOWN MAY VARY FROM REPORT DOCUMENTS. CONTRACTORS ARE REQUIRED TO REVIEW REPORTS PROVIDED AND VERIFY THE CONCLUSIONS SHOWN THEREIN OR TO DRAW THEIR OWN CONCLUSIONS BASED ON THE REPORTS AND THEIR OWN KNOWLEDGE AND EXPERIENCE. NO ADJUSTMENTS WILL BE MADE FOR COSTS THAT COULD HAVE BEEN DETERMINED FROM REPORTS, DRAWINGS, AND OTHER AVAILABLE INFORMATION.

PCB & MERCURY REMOVAL NOTES

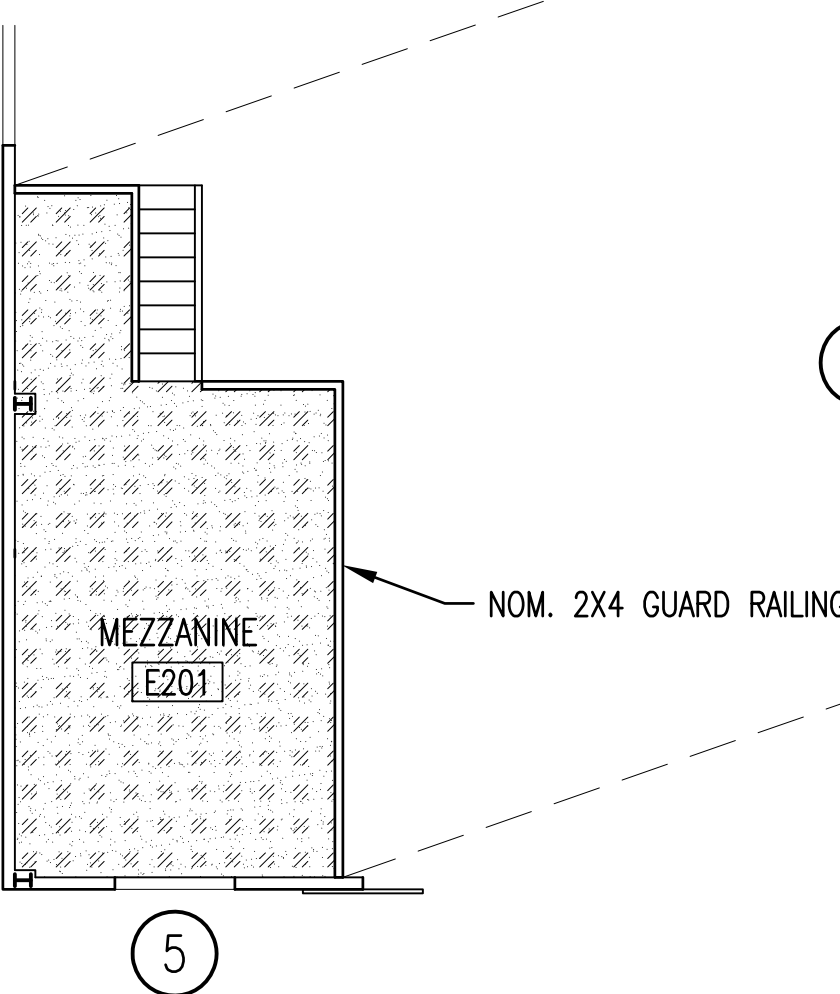
REFERENCE ELECTRICAL AND MECHANICAL SHEETS INDICATING REMOVAL OF FLUORESCENT LIGHT FIXTURES AND HEATING THERMOSTATS. THE BALLASTS SHALL BE TREATED AS CONTAINING PCB AND THE LAMPS AS CONTAINING MERCURY. THERMOSTATS SHALL BE TREATED AS CONTAINING MERCURY. BALLASTS, LAMPS, AND THERMOSTATS SHALL BE DISPOSED OF ACCORDING TO SPECIFICATIONS AND BASE ENVIRONMENTAL MANAGEMENT DIVISION GUIDELINES.

GENERAL HAZARDOUS MATERIALS DRAWING NOTE

HAZARDOUS MATERIALS PLANS ARE NOT INTENDED TO BE AN ALL INCLUSIVE REPRESENTATION OF THE SCOPE OF HAZARDOUS MATERIALS. REFER TO OTHER DRAWINGS TO BETTER UNDERSTAND THE BUILDING AND SCOPE OF MATERIALS.

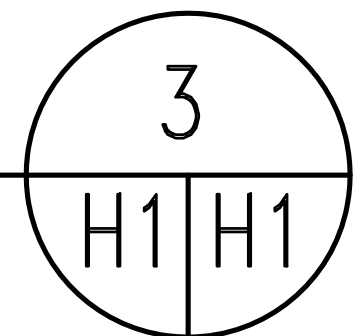


GENERAL LOCATIONS OF ACM ON SINGLE PLY ROOF - INFORMATION IS BASED ON BASE ACM RECORDS - EXACT AREAS OF ACM ON SINGLE PLY ROOF TO BE DETERMINED IN FIELD - STATED QUANTITY CALCULATED TO INCLUDE AND EXCEED THE ANTICIPATED QUANTITY



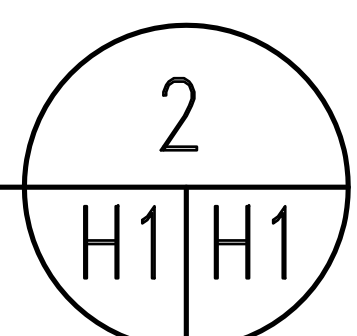
HAZARDOUS MATERIALS
ROOF AS124

1/8" = 1'-0"



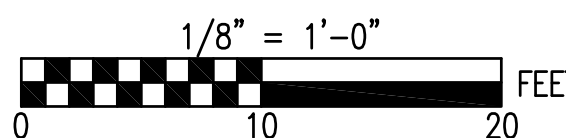
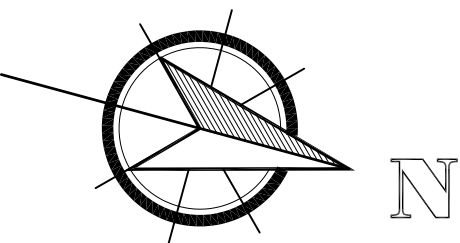
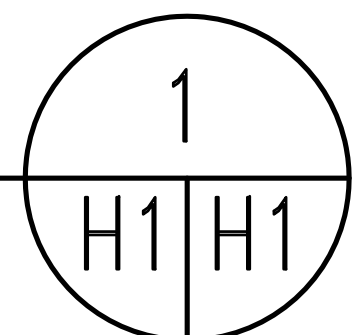
HAZARDOUS MATERIALS
UPPER LEVEL AS124

1/8" = 1'-0"



HAZARDOUS MATERIALS
MAIN FLOOR PLAN AS124

1/8" = 1'-0"



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE: HAZARDOUS MATERIALS PLAN		H-1	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
	DES. Robert L. Smith, III		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
	DR. Steven C. Fender			
	CHK. Robert L. Smith, III			
	SUBMITTED BY:			
DESIGN DIR. T.H. Burton, P.E.		NAVFAC DRAWING NO. 60024412		
APPROVED:		DATE	SIZE F	CODE IDENT. NO. 80091
SATISFACTORY TO:		DATE	SCALE: NOTED	SPEC. 05-17-0075
				SHEET 4 OF 34

REVISIONS			
SYM	DEQ COMMENTS	DATE	APPROVED
1		10/17/17	JKA

CIVIL LEGEND		
EXISTING	DESCRIPTION	NEW
○ CO	SANITARY SEWER CLEAN OUT	
⊙	SANITARY SEWER MANHOLE	
⊕	FIRE HYDRANT	
⊕	WATER VALVE	
⊕	PV	
⊕	TELEPHONE PEDESTAL	
⊕	UTILITY POLE	
⊕	LIGHT POLE	
⊕	GLY WIRE	
— S —	SANITARY SEWER	
— W —	DOMESTIC WATER	
— UGE —	UNDERGROUND ELECTRICAL	
— UGC —	UNDERGROUND COMMUNICATIONS	
— OHE —	OVERHEAD ELECTRICAL	
— G —	UNDERGROUND GAS (PROPANE)	
— D —	STORM DRAIN PIPE	
—	DITCH/SWALE	
▬	BITUMINOUS CONCRETE PAVEMENT	▬
▬	CONCRETE	▬
▬	GRAVEL	▬
× 5.00	SPOT ELEVATIONS	+ XX.XX
---	CONTOUR LINES	
⊕	TREE/TREE LINE	
⊕	DEMOLITION ITEMS	⊕
⊕	SURVEY CONTROL	⊕

ABBREVIATIONS	
A/C	AIR CONDITIONER
CL, C/L	CENTER LINE
C.I.	CAST IRON
CF	CUBIC FOOT/FEET
DCL	DITCH CENTERLINE
DI	DROP INLET/DUCTILE IRON (PIPE)
DI	DIA
ELEV	ELEVATION
EX	EXISTING
FTE	FINISH FLOOR ELEVATION
INV	INVERT
LBS	POUNDS
MAX	MAXIMUM
MAN	MANHOLE
MIN	MINIMUM
NC DOT	NORTH CAROLINA
OHE	OVERHEAD ELECTRIC
OC	ON CENTER
RCP	REINFORCED CONCRETE PIPE
SMH	SANITARY SEWER MANHOLE
TBM	TEMPORARY BENCHMARK
TYP	TYPICAL
&	AND
±	PLUS OR MINUS
%	PERCENT

GENERAL CONSTRUCTION NOTES:

- THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION.
- PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
- ALL EXISTING VEGETATED AREAS DISTURBED DURING CONSTRUCTION MUST BE REVEGETATED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN, SEE DETAIL B, SHEET C-3.

DEMOLITION KEYNOTES (THIS SHEET):

- SAW-CUT AND REMOVE EXISTING ASPHALT PAVEMENT.
- WATER JET PIPES AND DROP INLETS TO REMOVE DEBRIS AND SEDIMENT AND RESTORE FLOW.
- COMPRESSOR SHED TO BE REMOVED - SEE ARCHITECTURAL PLANS.
- STEAM PIT TO BE MODIFIED - SEE MECHANICAL PLANS.

DISCLOSURE OF INFORMATION

THE CONTRACTOR SHALL COMPLY AS FOLLOWS:

- A. THE CONTRACTOR SHALL NOT RELEASE TO ANYONE OUTSIDE THE CONTRACTOR'S ORGANIZATION ANY UNCLASSIFIED INFORMATION, REGARDLESS OF THE MEDIUM (E.G. FILM, TAPE, DOCUMENT), PERTAINING TO ANY PART OF THIS CONTRACT OR ANY PROGRAM RELATED TO THIS CONTRACT, UNLESS
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SHEET TITLE:

SITE PLAN-EXISTING CONDITIONS AND DEMOLITION

C-1

TALLEY & SMITH ARCHITECTURE INC.
P.O. BOX 518 SHELBY, NC 28151-0518
409 EAST MARION ST. SHELBY, NC 28150

DES. J. K. AVOLIS, P.E.

DR. MSP / WFF

CHK. J. C. AVOLIS, P.E.

SUBMITTED BY:

DESIGN DIR. T. H. BURTON

APPROVED: PWD OR OICC

SATISFACTORY TO:

DEPARTMENT OF THE NAVY
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

INTERIOR/EXTERIOR
REPAIRS BLDG. AS124
CAMP LEJEUNE, NORTH CAROLINA

CODE IDENT. NO.
F 80091

SCALE: NOTED

NAVFAC DRAWING NO.
60024413

CONSTR. CONTR. NO. N40085-17-B-0075

SPEC. 05-17-0075

SHEET 5 OF 34

A
C-1 C-1
SITE PLAN-EXISTING CONDITIONS AND DEMOLITION
SCALE: 1" = 10'

NC GRID NAD 2011
VERTICAL DATUM: NAVD 1988

NOTE:
ENGINEERING SURVEYING COMPLETED BY AVOLIS ENGINEERING, PA.
SITE HORIZONTAL AND VERTICAL CONTROL ESTABLISHED BY GASKINS LAND SURVEYING, PA.

10 0 5 10 20
GRAPHIC SCALE: 1" = 10'

SITE MAPPING AND SITE DESIGN BY:
AVOLIS ENGINEERING, P.A.
P.O. BOX 18544
NEW BERN, NC 28561
(252) 633-0068
LICENSE NO. C-0706



REVISIONS			
SYM	DEQ COMMENTS	DATE	APPROVED
1		10/17/17	JKA

GENERAL CONSTRUCTION NOTES:

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- PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
- ALL EXISTING VEGETATED AREAS DISTURBED DURING CONSTRUCTION MUST BE REVEGETATED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN, SEE DETAIL B, SHEET C-3.
- GRADE EVENLY BETWEEN SPOT ELEVATIONS SHOWN.

SITework KEYNOTES (THIS SHEET):

- 1 ASPHALT PAVEMENT - SEE DETAIL A, SHEET C-3.
- 2 NEW COMPRESSOR ROOM - SEE ARCHITECTURAL PLANS.

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 2. THE INFORMATION IS OTHERWISE IN THE PUBLIC DOMAIN BEFORE THE DATE OF RELEASE.
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SHEET TITLE:

SITE LAYOUT & GRADING PLAN

C-2

TALLEY & SMITH ARCHITECTURE INC.
P.O. BOX 518 SHELBY, NC 28151-0518
409 EAST MARION ST. SHELBY, NC 28150

DEPARTMENT OF THE NAVY MARINE FACILITIES ENGINEERING COMMAND
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

DES. J. K. AVOLIS, P.E.

DR. MSP / WFF

CHK. J. C. AVOLIS, P.E.

SUBMITTED BY:

DESIGN DIR. T. H. BURTON

APPROVED: PMO OR OICC

SATISFACTORY TO:

DATE

DATE

SCALE: NOTED

SPEC. 05-17-0075

SIZE

CODE IDENT. NO.

F 80091

NAVFAC DRAWING NO.

60024414

CONSTR. CONTR. NO. N40085-17-B-0075

SHEET 6 OF 34

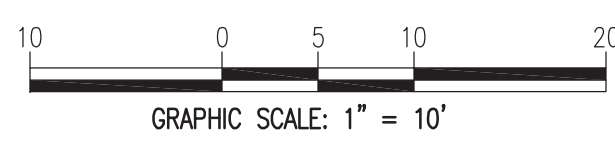


SITE MAPPING AND SITE DESIGN BY:

AVOLIS ENGINEERING, P.A.

P.O. BOX 18544
NEW BERN, NC 28561

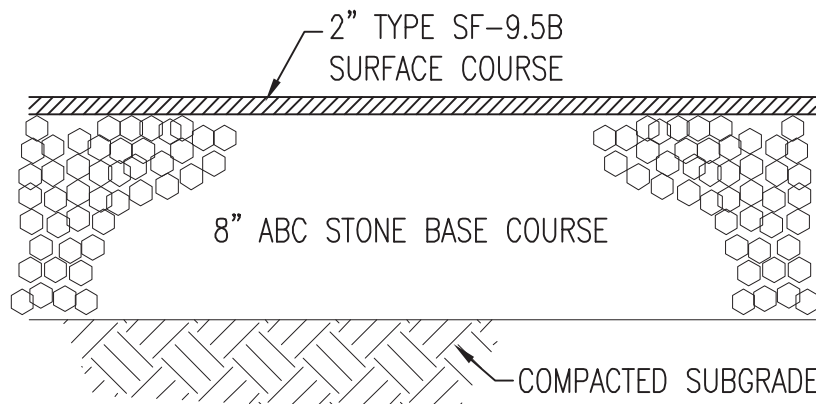
(252) 633-0068 LICENSE NO. C-0706



A SITE LAYOUT & GRADING PLAN
C-2 | C-2
SCALE: 1" = 10'

NC GRID MAD 2011
VERTICAL DATUM: NAVD 1988

REVISIONS			
SYM		DATE	APPROVED



A
C-2 | C-3

PAVEMENT SECTION
NOT TO SCALE

TEMPORARY VEGETATIVE SEEDING (PRIOR TO ESTABLISHING PERMANENT VEGETATION)	
AFTER COMPLETION OF GRADING ACTIVITIES AND THE CONSTRUCTION OF SWALES, ALL EXPOSED AREAS SHALL BE SEED TO THE FOLLOWING SPECIFICATIONS:	
SEED BED	
LIME	1-1/2 TON PER ACRE
FERTILIZER	1/2-TON PER ACRE
SEED	
RYE GRAIN	50 LBS PER ACRE
TALL FESCUE	100 LBS PER ACRE
SUPPLEMENTAL SEED	
WAY THROUGH AUGUST	
CENTPEDE	5 LBS PER ACRE
PROCEDURE	
STRAW MULCH SHALL BE APPLIED AT A RATE WHICH WILL INSURE APPROXIMATELY 75% COVERAGE OF THE SEEDED AREA. THE STRAW AND SOWN SEED WILL BE LIGHTLY DISCED INTO THE BED TO GIVE IT FURTHER RESISTANCE TO BLOWING AND WASHING.	
THE CONTRACTOR SHALL GUARANTEE A FULL STAND OF GRASS OVER THE ENTIRE DISTURBED AREA. IF NECESSARY THE CONTRACTOR WILL WET DOWN THE AREAS TO ASSIST IN SEED GERMINATION OR AID IN GROWTH IN TIMES OF EXCESSIVELY DRY WEATHER. A STAND OF GRASS WILL BE CONSIDERED ACCEPTABLE WHEN THE ENTIRE STAND OF GRASS IS AT LEAST FOUR INCHES HIGH AND HAS ACHIEVED AT LEAST 95% COVERAGE OF DISTURBED AREAS. RESEEDING WILL BE REQUIRED AS NECESSARY BY THE CONTRACTOR TO OBTAIN THE SPECIFIED STAND OF GRASS.	
PERMANENT VEGETATION	
ALL DISTURBED AREAS NOT COVERED WITH BUILDINGS, PAVEMENTS, OR OTHER IMPERMEABLE SURFACES SHALL BE SOODED AS THE FINAL/PERMANENT VEGETATION.	
SPECIAL SEEDING NOTE:	
CUT & FILL SLOPES WILL, WITHIN 7 CALENDAR DAYS DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED AND PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.	

B
C-1 | C-3

VEGETATION PLAN
NOT TO SCALE

DISCLOSURE OF INFORMATION
THE CONTRACTOR SHALL COMPLY AS FOLLOWS:
A. THE CONTRACTOR SHALL NOT RELEASE TO ANYONE OUTSIDE THE CONTRACTOR'S ORGANIZATION ANY UNCLASSIFIED INFORMATION, REGARDLESS OF THE MEDIUM (E.G. FILM, TAPE, DOCUMENT), PERTAINING TO ANY PART OF THIS CONTRACT OR ANY PROGRAM RELATED TO THIS CONTRACT, UNLESS
1. THE CONTRACTING OFFICER HAS GIVEN PRIOR WRITTEN APPROVAL; OR
2. THE INFORMATION IS OTHERWISE IN THE PUBLIC DOMAIN BEFORE THE DATE OF RELEASE.
B. REQUESTS FOR APPROVAL SHALL IDENTIFY THE SPECIFIC INFORMATION TO BE RELEASED, THE MEDIUM TO BE USED, AND THE PURPOSE FOR THE RELEASE. THE CONTRACTOR SHALL SUBMIT ITS REQUEST TO THE CONTRACTING OFFICER AT LEAST 45 DAYS BEFORE THE PROPOSED DATE OF RELEASE.
C. THE CONTRACTOR AGREES TO INCLUDE A SIMILAR REQUIREMENT IN EACH SUBCONTRACT UNDER THIS CONTRACT. SUBCONTRACTORS SHALL SUBMIT REQUESTS FOR AUTHORIZATION TO RELEASE THROUGH THE PRIME CONTRACTOR TO THE CONTRACTING OFFICER.

SHEET TITLE:		C-3	
TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. J. K. AVOLIS, P.E.		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
DR. MSP / WFF		NAVFAC DRAWING NO. 60024415	
CHK. J. C. AVOLIS, P.E.		CONSTR. CONTR. NO. N40085-17-B-0075	
SUBMITTED BY:		F 80091	
DESIGN DIR. T. H. BURTON		SHEET 7 OF 34	
APPROVED: PWO OR OICC		SCALE: NOTED	
SATISFACTORY TO:		SPEC. 05-17-0075	

SITE, MAPPING AND SITE DESIGN BY:

AVOLIS ENGINEERING, P.A.
P.O. BOX 18564
NEW BERN, NC 28561
(252) 633-0068

PROJECT #17035
LICENSE NO. C-0706



GENERAL NOTES:

- DIMENSIONS ON PLANS ARE APPROXIMATE. VERIFY DIMENSIONS ON JOB.
- NOTING CONVENTION ON PLANS AND DETAILS: ON PLANS AND DETAILS TITLED AS "EXISTING CONDITIONS," ITEMS SHOWN AND NOTED ARE EXISTING UNLESS SPECIFICALLY INDICATED OTHERWISE. ON PLANS AND DETAILS TITLED AS "NEW" OR "RENOVATED CONDITIONS," ITEMS SHOWN AND NOTED ARE NEW OR ALTERED UNLESS SPECIFICALLY INDICATED OTHERWISE. TO DETERMINE FULL EXTENT OF WORK REQUIRED, COMPARE EXISTING CONDITIONS PLANS AND DETAILS TO NEW OR RENOVATED CONDITIONS PLANS AND DETAILS.
- THE WORDS "PAINT", "PAINTING", "REPAINT", OR "REFINISH" CARRY WITH THEM THE CONNOTATION THAT SURFACE PREPARATION, PRIMING (OR STAINING) AND NUMBER OF COATS OF PAINT (OR CLEAR FINISH) DESCRIBED IN THE SPECIFICATIONS ARE REQUIRED.
- PAIN COLORS SHALL BE AS STATED IN THE "INTERIOR COLOR SCHEDULE" INCLUDED IN THESE DRAWINGS. IF COLOR IS NOT STATED, COLOR SHALL BE SAME AS EXISTING. CONTRACTING OFFICER RESERVES THE RIGHT TO MAKE FINAL COLOR SELECTIONS.
- CAULKING/SEALANT IS REQUIRED AT ALL LOCATIONS PRESENTLY HAVING OR NORMALLY REQUIRING CAULKING/SEALANT INCLUDING BUT NOT NECESSARILY LIMITED TO: DOORS, WINDOWS, LOUVERS, VENTS, AND MASONRY CONTROL AND EXPANSION JOINTS.
- WHERE NEW WORK IS REQUIRED THAT WILL REPLACE EXISTING MATERIALS THE NEW WORK SHALL MATCH THE EXISTING AS CLOSELY AS POSSIBLE.
- CONDITIONS, DETAILS, AND AREAS OF WORK SHOWN ON THESE DRAWINGS ARE BASED ON FIELD INVESTIGATIONS AND SHOULD REPRESENT CURRENT CONDITIONS. IF CONDITIONS ARE ENCOUNTERED THAT ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, IMMEDIATELY NOTIFY CONTRACTING OFFICER OF SUCH CONDITIONS PRIOR TO PROCEEDING WITH WORK IN THE AREA IN QUESTION. MINOR VARIATIONS WITH LITTLE IMPACT ON THE SCOPE OF WORK SHALL NOT BE CONSIDERED SIGNIFICANT.
- WHERE AN ITEM OR FEATURE IS SHOWN ON DRAWINGS THAT DEPICT EXISTING CONDITIONS, AND SUCH ITEM OR FEATURE IS NOT SHOWN ON DRAWINGS THAT DEPICT NEW OR ALTERED CONDITIONS, IT IS INFERRED THAT THE ITEM OR FEATURE IS TO BE REMOVED AS PART OF THIS WORK AND ALL SURFACES DISTURBED ARE TO BE NEATLY REPAIRED AND PATCHED TO MATCH EXISTING UNLESS INDICATED OTHERWISE. INCLUDE SUCH WORK IN BID PRICE.
- WHERE AN ITEM OR FEATURE IS TO BE REMOVED THE REQUIREMENT FOR REMOVAL INCLUDES THAT ALL RELATED APPURTENANCES ALSO BE REMOVED UNLESS INDICATED OTHERWISE. FOR EXAMPLE, WHERE AN EXISTING DOOR AND FRAME ARE TO BE REMOVED, THE HARDWARE, THRESHOLD, STOPS, ETC. ARE ALSO TO BE REMOVED.
- FOR EACH ACTIVITY THAT INVOLVES DISTURBANCE TO AN EXISTING SURFACE OR SURFACES, THE ACTIVITY CARRIES WITH IT THE STIPULATION THAT ALL DISTURBED SURFACES BE NEATLY REPAIRED AND PATCHED TO MATCH EXISTING. FOR EXAMPLE, WHERE INTERIOR PARTITIONS ARE REMOVED IT IS REQUIRED THAT ANY DISTURBED WALL, FLOOR, CEILING, TRIMS, BASE, ETC. THAT REMAINS BE NEATLY REPAIRED AND PATCHED TO MATCH EXISTING.
- IF EXISTING MATERIALS CANNOT BE REPAIRED AND PATCHED, NEW MATERIALS SHALL BE PROVIDED. WHERE NEW MATERIALS ARE REQUIRED TO BE BUILT INTO THE EXISTING STRUCTURE OR MATERIALS, OR BUILT ADJOINING EXISTING STRUCTURE OR MATERIALS, THE TEXTURE AND FINISH OF THE NEW MATERIAL SHALL MATCH THE EXISTING AND SHALL BE NEATLY BLENDED INTO THE EXISTING. ALIGN NEW MASONRY JOINTING, VERTICAL OR HORIZONTAL LINES, METAL WALL PANELS, ETC. WITH EXISTING.
- HOLES AND OTHER DAMAGE CAUSED BY TEMPORARY INSTALLATIONS, BARRIERS, ETC. SHALL BE REPAIRED IN A MANNER COMPATIBLE WITH AND EQUAL TO EXISTING CONDITIONS.
- WHERE NEW WORK IS REQUIRED AND DRAWINGS AND SPECIFICATIONS ARE NOT SPECIFIC AS TO TYPE AND QUALITY OF WORK, PROVIDE TYPE AND QUALITY EQUAL TO OR BETTER THAN CORRESPONDING WORK ON EXISTING BUILDING. IN THE ABSENCE OF ANY CORRESPONDING WORK ON EXISTING BUILDING, PROVIDE FIRST QUALITY INDUSTRY STANDARD COMPATIBLE TO EXISTING BUILDING. CONTRACTING OFFICER SHALL MAKE FINAL DETERMINATION OF WHETHER OR NOT CONTRACTOR'S PROPOSED WORK COMPLIES.
- GOVERNMENT WILL REMOVE INTERIOR BUILDING CONTENTS. GOVERNMENT WILL MOVE STORAGE UNITS AND EQUIPMENT A MINIMUM OF 10' AWAY FROM EXTERIOR PERIMETER OF BUILDING.

EXISTING CONDITIONS
MEZZANINE FLOOR PLAN AS124

1/8" = 1'-0"

2
A1/A1

EXISTING CONDITIONS
FLOOR PLAN AS124

1/8" = 1'-0"

1
A1/A1

REVISIONS

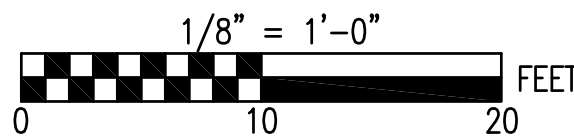
SYMBOL	DATE	APPROVED

GENERAL NOTES ON THIS SHEET:

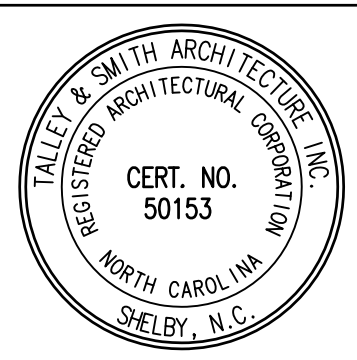

- REMOVE SLIDING DOORS FROM BUILDING. SEE RENOVATED FLOOR PLAN FOR NEW DOORS.
- REMOVE GYPSUM BOARD AND PLYWOOD WALL AND CEILING FINISHES COMPLETE - SEE FINISHED SCHEDULE.
- REMOVE INTERIOR AND EXTERIOR DOORS, FRAMES AND HARDWARE FROM THE BUILDING. SEE DOOR SCHEDULE FOR MATERIAL TYPES.
- REMOVE WINDOWS FROM BUILDING - SEE DETAIL 1/A1/A8.
- SEVERAL SOIL MONITORING WELLS ARE LOCATED AROUND THE PERIMETER OF THE SITE. THESE MONITORING WELLS ARE TO REMAIN IN PLACE - PRESERVE AND PROTECT.
- GOVERNMENT SHALL REMOVE BUILDING CONTENTS.

NUMBERED NOTES ON THIS SHEET:

- REMOVE COMPRESSOR SHED BUILT OF WOOD STUDS WITH PLYWOOD AND CONCRETE SLAB. REMOVE COMPRESSOR AND STORE IN SAFE LOCATION.
- REMOVE CHAIN LINK FENCE BACK FROM BUILDING AS REQUIRED TO COMPLETE WORK.
- REMOVE IN-FILLED WOOD WALL TO CREATE A MASONRY DOOR OPENING.
- REMOVE CANOPY FROM BUILDING.
- REMOVE INTERIOR AND EXTERIOR DUST COLLECTION PIPING. STORE IN A SAFE LOCATION AND REINSTALL AT THE APPROPRIATE TIME.
- WORK TO THE EXISTING EXTERIOR DUST COLLECTION SYSTEM IS NOT IN THIS CONTRACT.
- REMOVE SECTIONS OF WOOD STUD AND GYPSUM BARD WALL INDICATED BY THE HATCH.

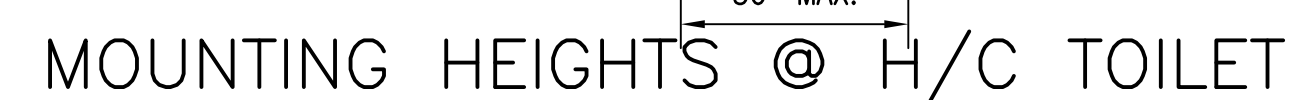


SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE: EXISTING CONDITIONS PLAN		A-1	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150 DES. Robert L. Smith, III DR. Steven C. Fender CHK. Robert L. Smith, III SUBMITTED BY: DESIGN DIR. T.H. Burton, P.E.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
	APPROVED:	DATE	SIZE F	CODE IDENT. NO. 80091
	SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC. 05-17-0075
			NAVFAC DRAWING NO. 600244-16	SHEET 8 OF 34

GENERAL NOTES ON THIS SHEET:

1. PROVIDE OVER HEAD ROLLING DOORS (OHRD). SEE RENOVATED FLOOR PLAN FOR NEW DOORS.
2. PROVIDE GYPSUM BOARD AND PLYWOOD WALL AND CEILING FINISHES. SEE RENOVATED FINISH SCHEDULE.
3. PROVIDE INTERIOR AND EXTERIOR DOORS, FRAMES AND HARDWARE. SEE DOOR SCHEDULE FOR MATERIAL TYPES.
4. PROVIDE WINDOWS - SEE DETAIL 1/A2/A9. WINDOWS WILL NOT BE PUT BACK INTO THE METAL BUILDING PORTION OF THE BUILDING.
5. SEVERAL SOIL MONITORING WELLS ARE LOCATED AROUND THE PERIMETER OF THE SITE. THESE MONITORING WELLS ARE TO REMAIN IN PLACE - PRESERVE AND PROTECT.



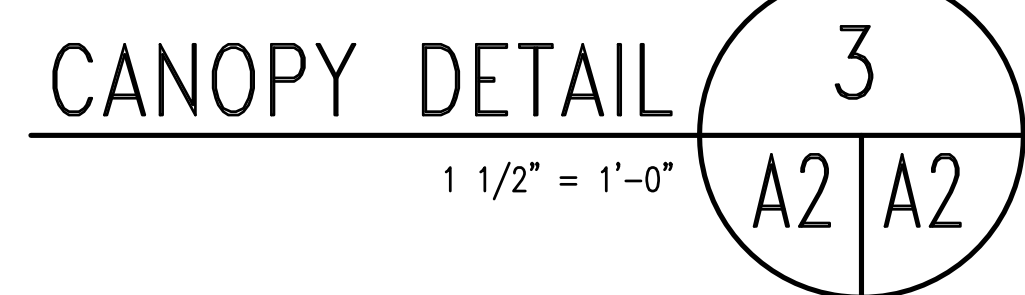
TOILET ACCESSORY MOUNTING HEIGHTS

COUNTER BRACKET DETAIL

NOT TO SCALE

2A
A2 A2

LAVATORY ELEVATION $\frac{2}{A2 | A2}$
 $1/4" = 1'-0"$


$$1/4^n = 1'-0^n$$

$$1 \frac{1}{2}'' = 1'-0''$$

-
- Architectural floor plan of a building with various rooms and annotations. The plan includes a large Warehouse (R116) on the left, a central corridor, and several smaller rooms on the right: Wet Saw Room (R110), Tool Stor. (R111), Wood Shop (R109), Data/Comm (R107), Entry (R108), Storage (R106), Storage (R105), Storage (R102), Stor. (R101), Toilet (R104), and Compressor (R117). The plan also shows exterior features like OHRD #1 and #2, and a 2-hour fire wall separating the shop building from the warehouse building. Annotations include dimensions, room numbers, and a note about the government installing a storage rack system. A legend on the right lists items 1 through 13.
- GENERAL**
- PROV PLAN
 - PROV SEE
 - PROV DOOR
 - PROV PUT
 - SEVE OF T PRES
- NUMBER**
- PRO REN
 - PRO APP
 - IN-1
 - PRO
 - REIN APP
 - WOR THIS
 - IN-1 EXH
 - IN-1
 - NOM ANCH 2/A
 - PRO
 - IN-1
 - GRO RATA PRO
 - PRO
- 40'-0"
- 26'-5"
- 100'-0"
- OHRD #2
- OHRD #1
- WAREHOUSE R116
- WET SAW ROOM R110
- TOOL STOR. R111
- WOOD SHOP R109
- DATA/COMM R107
- ENTRY R108
- STORAGE R106
- STORAGE R105
- STOR. R101
- TOILET R104
- COMPRESSOR R117
- 2 HOUR FIRE WALL SEPARATING SHOP BUILDING FROM WAREHOUSE BUILDING (12)
- GOVERNMENT SHALL RE-INSTALL STORAGE RACK SYSTEM AT APPROPRIATE TIME
- STEAM PIT - FILL WITH GRAVEL AND PROVIDE 4" CONCRETE SLAB CAP TO CLOSE - 3,500 PSI WITH #4 REBAR AT 12" O.C. EACH WAY
- 2 HOUR FIRE WALL SEPARATING SHOP BUILDING FROM WAREHOUSE BUILDING (12)

RENOVATED CONDITIONS
FLOOR PLAN AS124


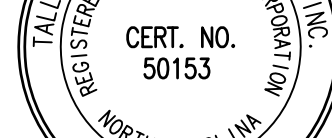
$$1/8'' = 1'-0'$$

$\frac{1}{8}" = 1'-0"$



0 10 20 FEET

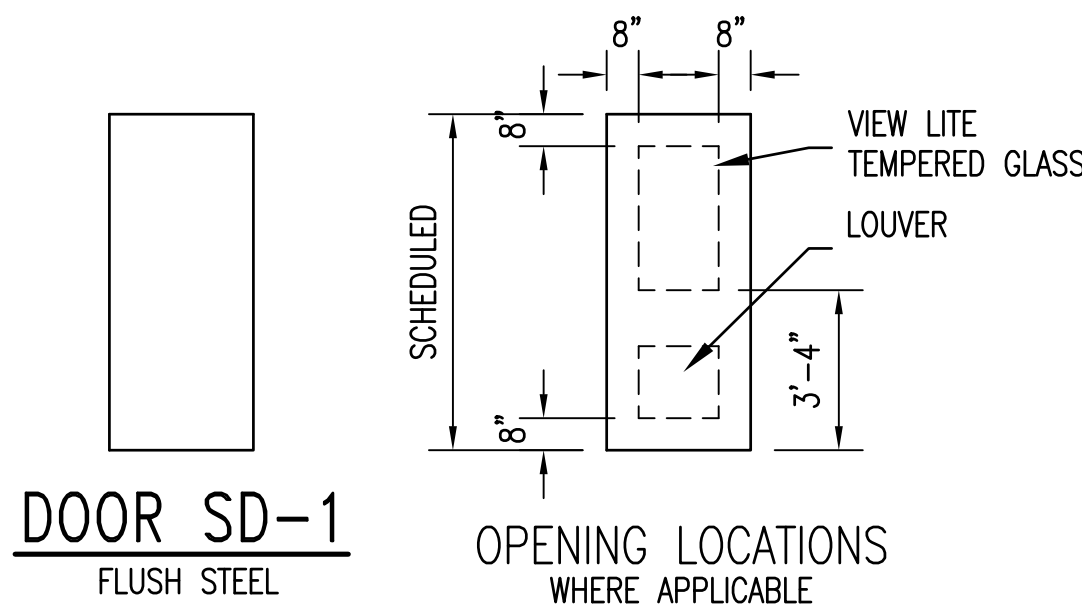
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE: RENOVATED CONDITIONS PLAN		A-2
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		
	DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA
	DES. Robert L. Smith, III DR. Steven C. Fender CHK. Robert L. Smith, III SUBMITTED BY: DESIGN DIR. T.H. Burton, P.E.		
07/27/2018	APPROVED:	DATE:	SIZE: F CODE IDENT. NO. 80091 NAVFAC DRAWING NO. 60024417
	SATISFACTORY TO:	DATE:	CONST. CONTR. NO. N40085-17-0075 SHEET 9 OF 34

EXISTING FINISH SCHEDULE BUILDING AS4141										100		SEE THIS SYMBOL ON FLOOR PLANS FOR CORRESPONDING ROOM NUMBER									
ROOM NO.	ROOM NAME	FLOOR				BASE		WALL				CEILING				CEILING HT.	REMARKS	ROOM NO.			
		CONCRETE	12" X 12" VCT	2" X 2" CERAMIC TILE	9" X 9" VCT	PLYWOOD	NONE	WOOD		CMU	GYPSUM BOARD	METAL BUILDING STRUCTURE	TRANSITE PANELS		PLYWOOD	METAL BUILDING STRUCTURE	TRANSITE PANELS			EXISTING CONDITIONS FINISH NOTE: REMOVE EXISTING APPLIED FINISHES THROUGHOUT THE BUILDING. EXISTING MASONRY WALLS REMAIN UNLESS INDICATED OTHERWISE.	
E101	STORAGE	•	•				•	•		•	•				•				8'-9"		E101
E102	STORAGE	•					•	•		•	•				•				8'-9"		E102
E103	STORAGE	•					•	•		•	•				•				8'-9"		E103
E104	TOILET			•											•				8'-9"		E104
E105	STORAGE		•					•							•				8'-9"		E105
E106	STORAGE		•					•							•				8'-9"		E106
E107	STORAGE	•						•		•	•				•				8'-9"		E107
E108	ENTRY	•					•			•	•				•				8'-9"		E108
E109	WOOD SHOP	•					•	•		•	•				•				8'-9"		E109
E110	STORAGE	•						•		•			•			•			8'-9"		E110
E111	TOOL STORAGE	•						•		•						•	•		8'-9"		E111
E112	OFFICE		•					•			•		•			•	•		8'-9"		E112
E113	STORAGE			•				•								•	•		8'-9"		E113
E114	STORAGE	•						•					•				•		8'-9"		E114
E115	STORAGE	•					•				•				•		•		8'-9"		E115
E116	WAREHOUSE	•					•					•			•				8'-9"		E116
E201	MEZZANINE					•	•						•		•						E201

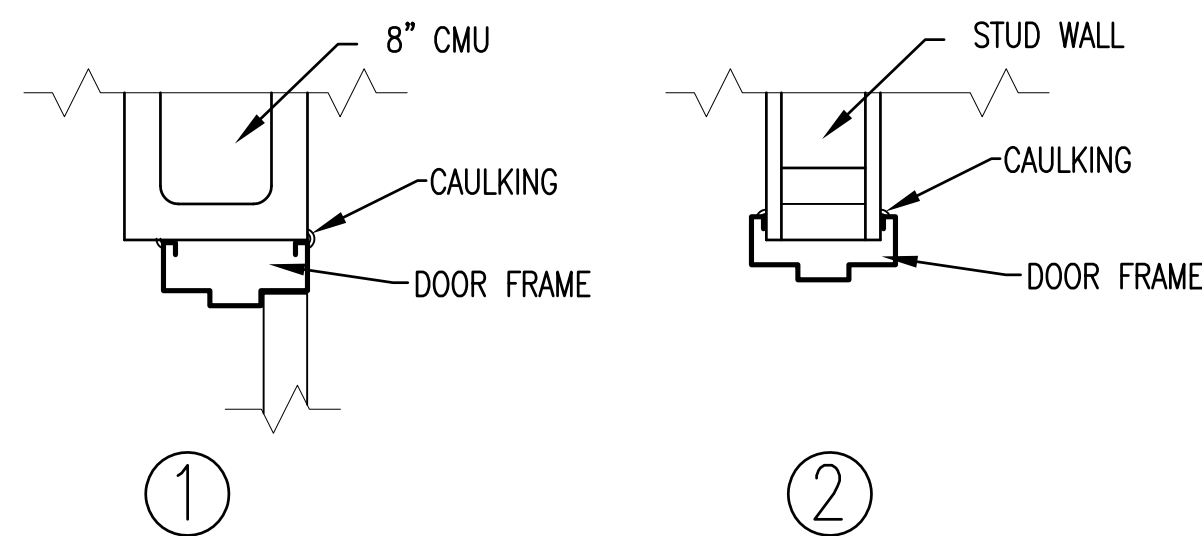
RENOVATED FINISH SCHEDULE BUILDING AS4141													100		SEE THIS SYMBOL ON FLOOR PLANS FOR CORRESPONDING ROOM NUMBER			
ROOM NO.	ROOM NAME	FLOOR				BASE			WALL			CEILING			CEILING HT.	REMARKS	ROOM NO.	
		CONCRETE CLEANED & SEALED	RESINOUS EPOXY FLOORING				4" COVED RUBBER	NONE		CMU (PAINTED)	WATER RESISTANT GYPSUM BRD	3/4" T & G PLYWOOD	METAL BUILDING STRUCTURE	1/2" PLYWOOD WITH BATTENS	METAL BUILDING STRUCTURE		RENOVATED CONDITIONS FINISH NOTE: PROVIDE APPLIED FINISHES AS INDICATED IN RENOVATED FINISH SCHEDULE. COMPARE EXISTING AND RENOVATED CONDITIONS PLANS FOR NEW WALLS. PAINT ALL GYPSUM, CMU AND PLYWOOD FINISHES.	
R101	STORAGE	•					•			•	•			•			8'-9"	R101
R102	STORAGE						•			•	•			•			8'-9"	R102
R104	TOILET		•				•				•			•			8'-9"	R104
R105	STORAGE	•					•				•	•		•			8'-9"	R105
R106	STORAGE	•					•				•			•			8'-9"	R106
R107	DATA/COMM	•					•				•			•			8'-9"	R107
R108	ENTRY	•					•			•				•			8'-9"	R108
R109	WOOD SHOP	•					•				•			•			8'-9"	R109
R110	STORAGE	•					•							•			8'-9"	R110
R111	TOOL STORAGE	•					•			•				•			8'-9"	R111
R116	WAREHOUSE	•						•					•	•				R116

SEE INTERIOR CONDITIONS NEW COLOR SCHEDULE ON SHEET A3 FOR MORE FINISH INFORMATION.



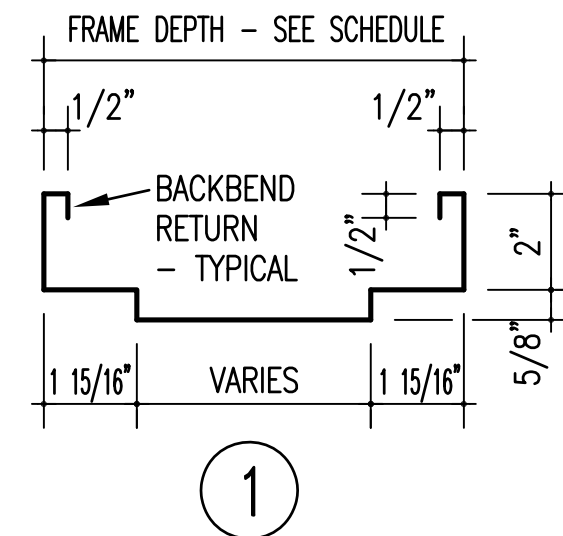
DOOR TYPES

1/4" = 1'-0"



DOOR FRAME POSITIONING DETAILS

1 1/2" = 1'-0"

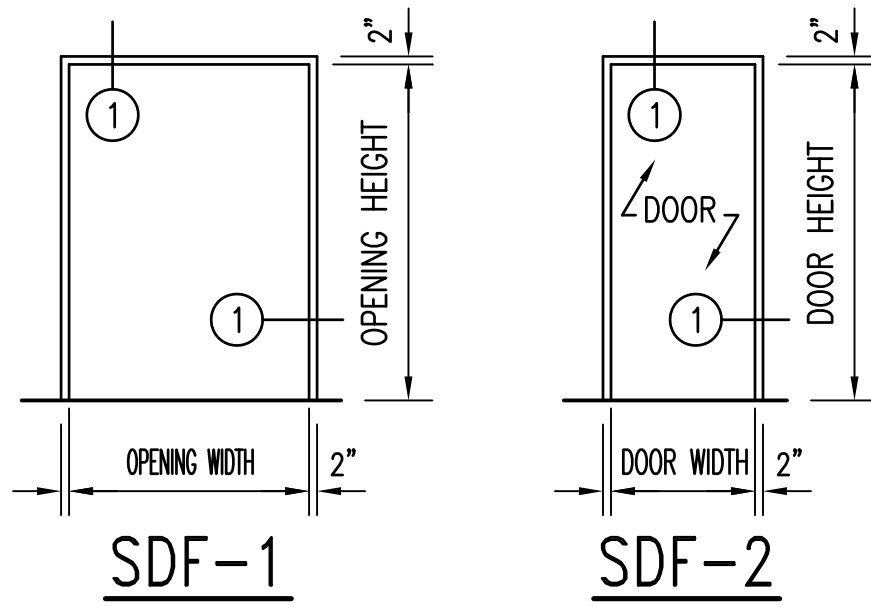


FRAME SECTIONS

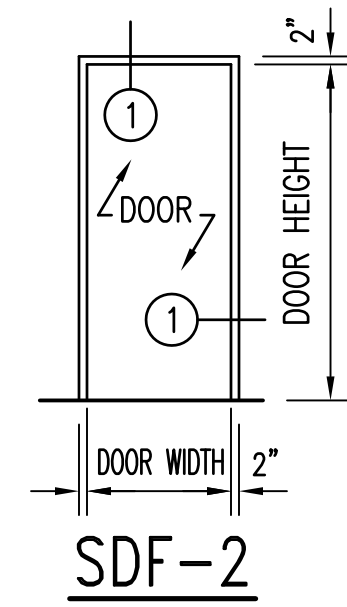
3" = 1'-0" NOTE THAT BACKBEND RETURNS ARE REQUIRED ON ALL FRAMES.

NEW CONDITIONS INTERIOR COLOR SCHEDULE BLDG AS4141					COLORS INDICATED IN THIS SCHEDULE ARE BASED ON BASE COLOR SCHEME "A". EQUAL MANUFACTURERS TO THOSE SCHEDULED ARE ACCEPTABLE.				
UNLESS NOTED AS "NO CHANGE" PROVIDE NEW FINISH OR FINISH WORK AS SCHEDULED.									
FLOOR	BASE	WALLS	CEILING	STEEL DOORS & FRAMES					
EPOXY FLOOR FINISH - STONE HARD, STONTEC, SANTA CRUZ	4" COVED RUBBER IN PAINTED AREAS - ARMSTRONG, 60, JET BLACK	PAINT GYPSUM BOARD, PLYWOOD AND MASONRY WALLS WALL - S-W, SW-7004, SNOWBOUND (EGGSHELL) TRIM - S-W, SW-7003, TOQUE WHITE (SEMI GLOSS) STEEL BUILDING STRUCTURE WALL - S-W, SW-7004, SNOWBOUND (SEMI GLOSS)	PLYWOOD (PAINT) - S-W, #7009, PEARLY WHITE, EGGSHELL EXPOSED STRUCTURE - S-W, SW-7004, SNOWBOUND (SEMI GLOSS)	INTERIOR, AND INTERIOR PORTION OF EXTERIOR, DOORS AND FRAMES S-W, SW - 7003, TOQUE WHITE (SEMI GLOSS) OR SW - 6005, FOLKSTONE					

EXTERIOR COLORS SHALL BE IN ACCORDANCE WITH "BEAP" REQUIREMENTS. CONTRACTOR CAN OBTAIN BEAP FROM CONTRACTING OFFICER.



SDF-1



SDF-2

DOOR FRAME TYPES

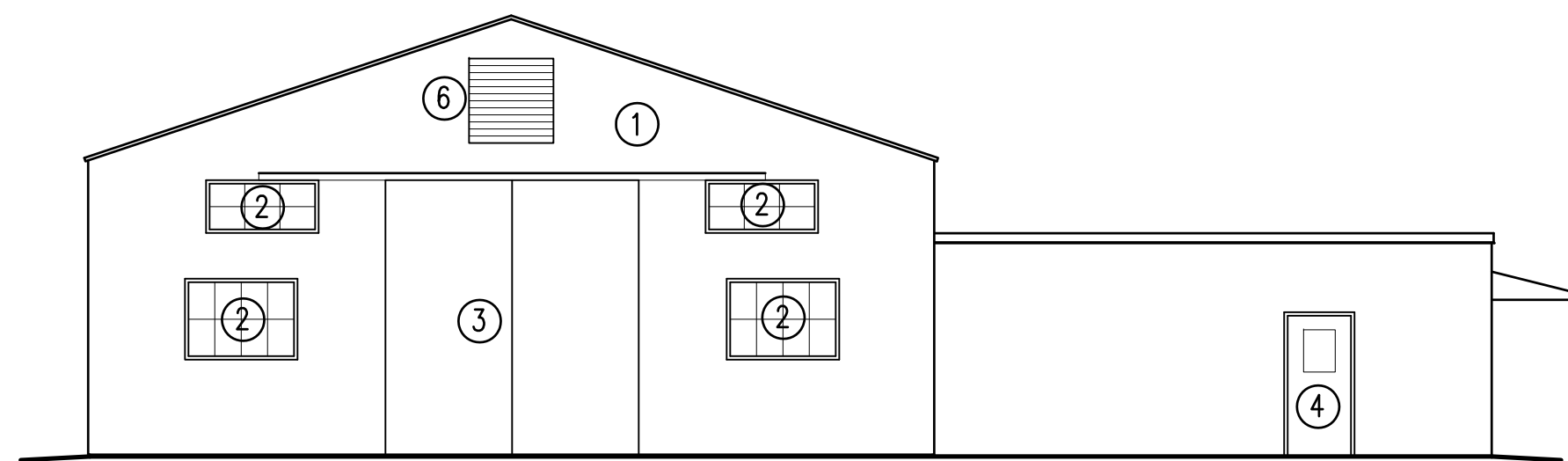
1/4" = 1'-0" SDF = STEEL DOOR FRAME

FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.

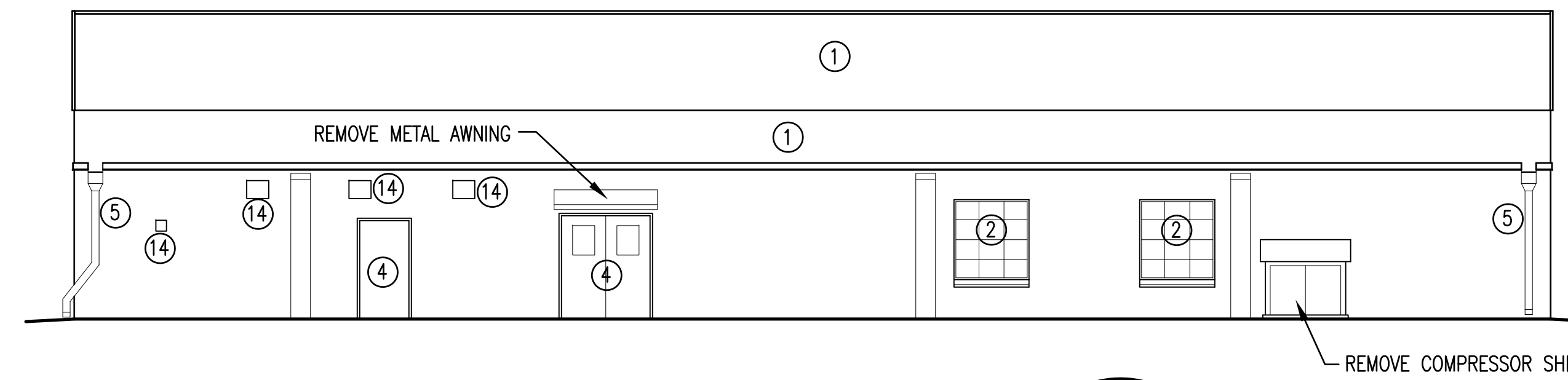
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE: DOOR & FINISH SCHEDULES		A-3	
	TAILEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. Robert L. Smith, III	DR. Steven C. Fender		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
CHK. Robert L. Smith, III	SUBMITTED BY: T.H. Burton, P.E.			
APPROVED:	DATE	SIZE F	CODE IDENT. NO. 80091	NAVFAC DRAWING NO. 60024418
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC. 05-17-0075	SHEET 10 OF 34

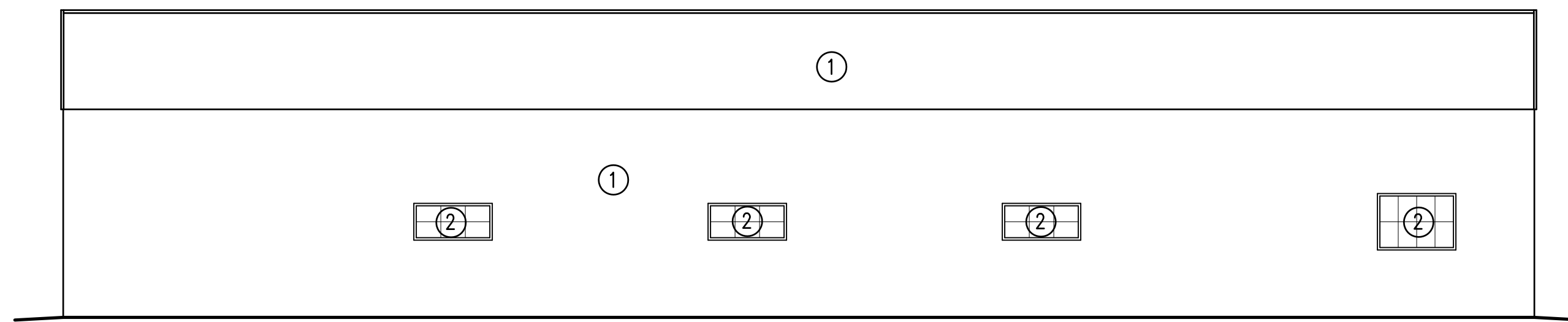
REVISIONS			
SYMBOL		DATE	APPROVED



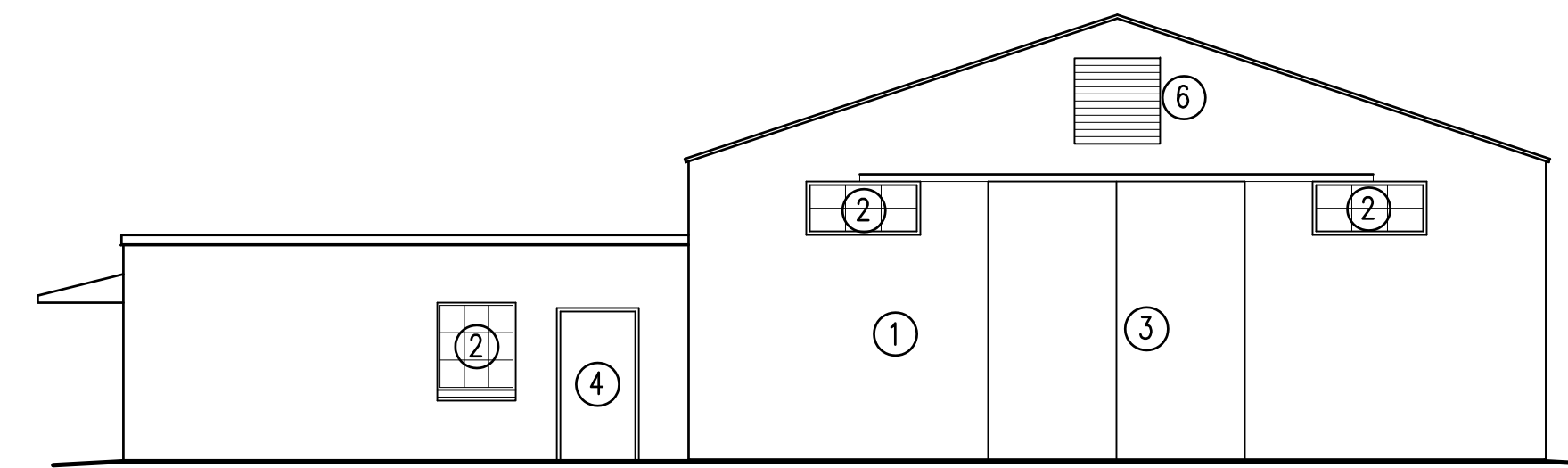
EXISTING ELEVATION 1
1/8" = 1'-0"



EXISTING ELEVATION 2
1/8" = 1'-0"

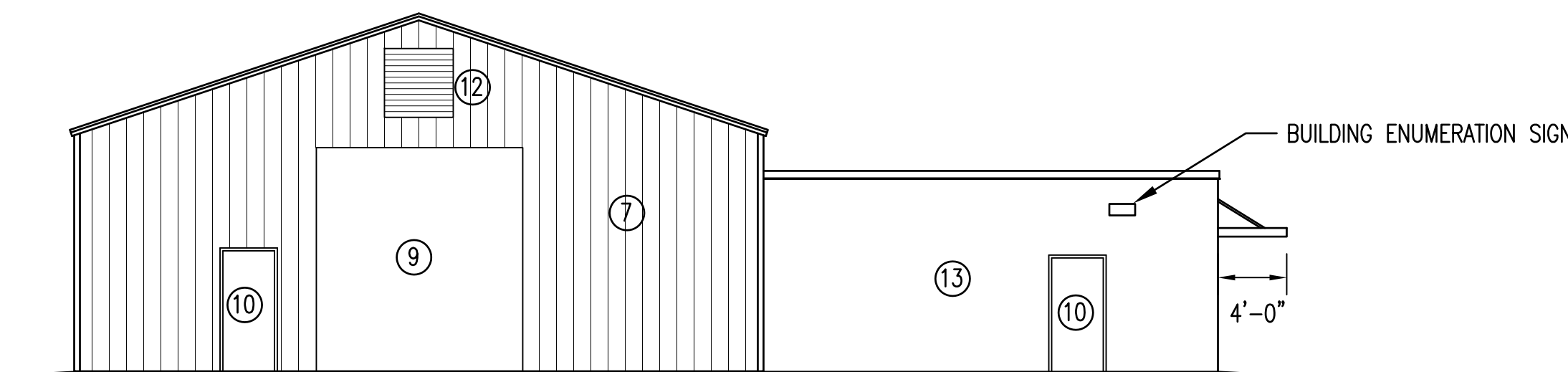


EXISTING ELEVATION 4
1/8" = 1'-0"

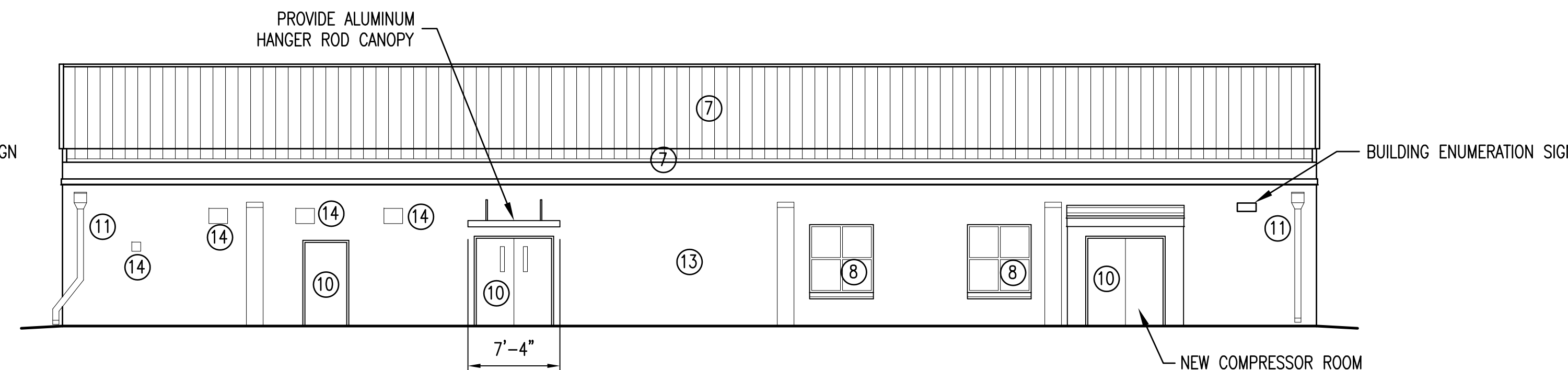


EXISTING ELEVATION 3
1/8" = 1'-0"

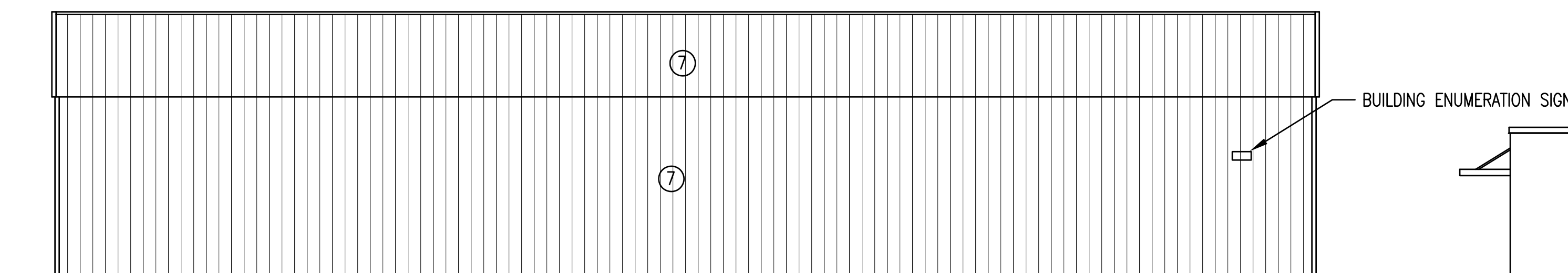
- NUMBERED NOTES ON THIS SHEET:
- REMOVE EXISTING METAL WALL AND ROOF PANELS.
 - REMOVE EXISTING WINDOW - SEE DETAIL 1/A1/A8.
 - REMOVE EXISTING SLIDING DOOR AND TRACK.
 - REMOVE EXISTING DOORS AND FRAMES.
 - REMOVE EXISTING LEADER HEAD AND DOWNSPOUT.
 - REMOVE EXISTING LOUVERS.
 - PROVIDE WALL AND STANDING SEAM ROOF PANELS - SEE DETAIL 2/A4/A7 FOR PANEL PROFILES.
 - PROVIDE WINDOW SEE DETAIL 1/A2/A9.
 - PROVIDE OVER HEAD ROLLING DOOR.
 - PROVIDE DOORS AND FRAMES.
 - PROVIDE LEADER HEAD AND DOWNSPOUT.
 - PROVIDE LOUVERS - SEE MECHANICAL SHEETS.
 - PAINT CMU WALLS.
 - REMOVE LOUVER AND WALL HOOD. INFILL OPENING WITH CMU TO MATCH THE EXISTING WALL. FILL MASONRY WHERE STEAM LINES ARE REMOVED - SEE MECHANICAL SHEETS.



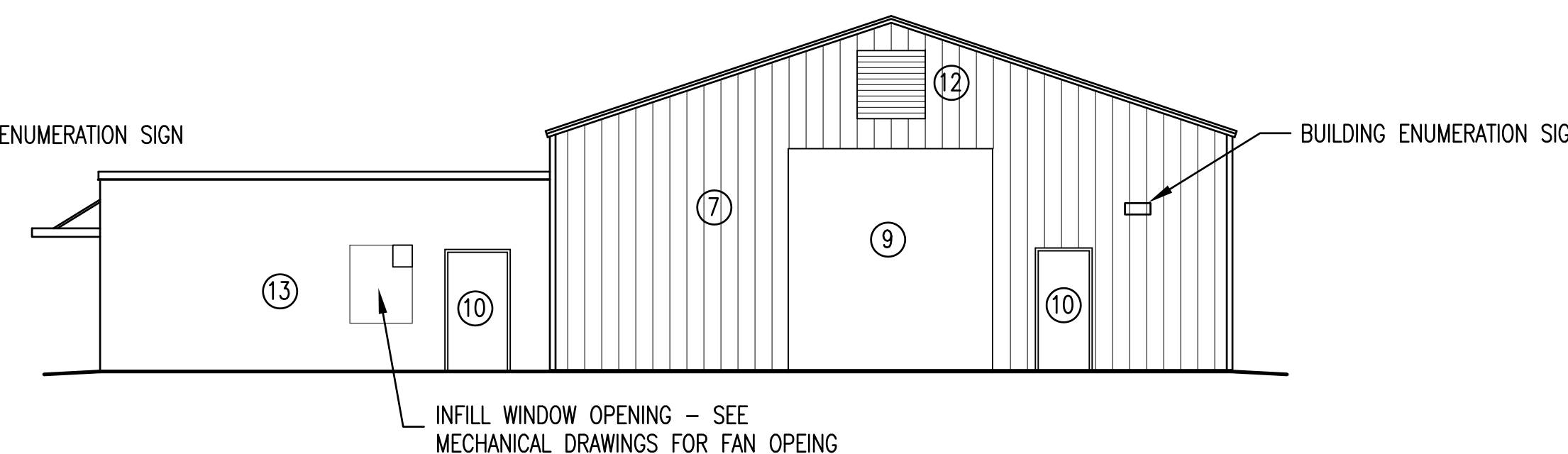
RENOVATED ELEVATION 1
1/8" = 1'-0"



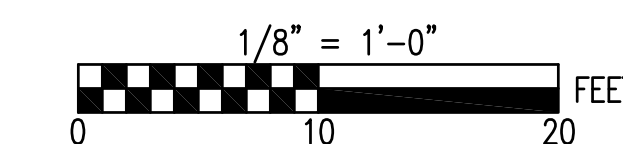
RENOVATED ELEVATION 2
1/8" = 1'-0"



RENOVATED ELEVATION 4
1/8" = 1'-0"



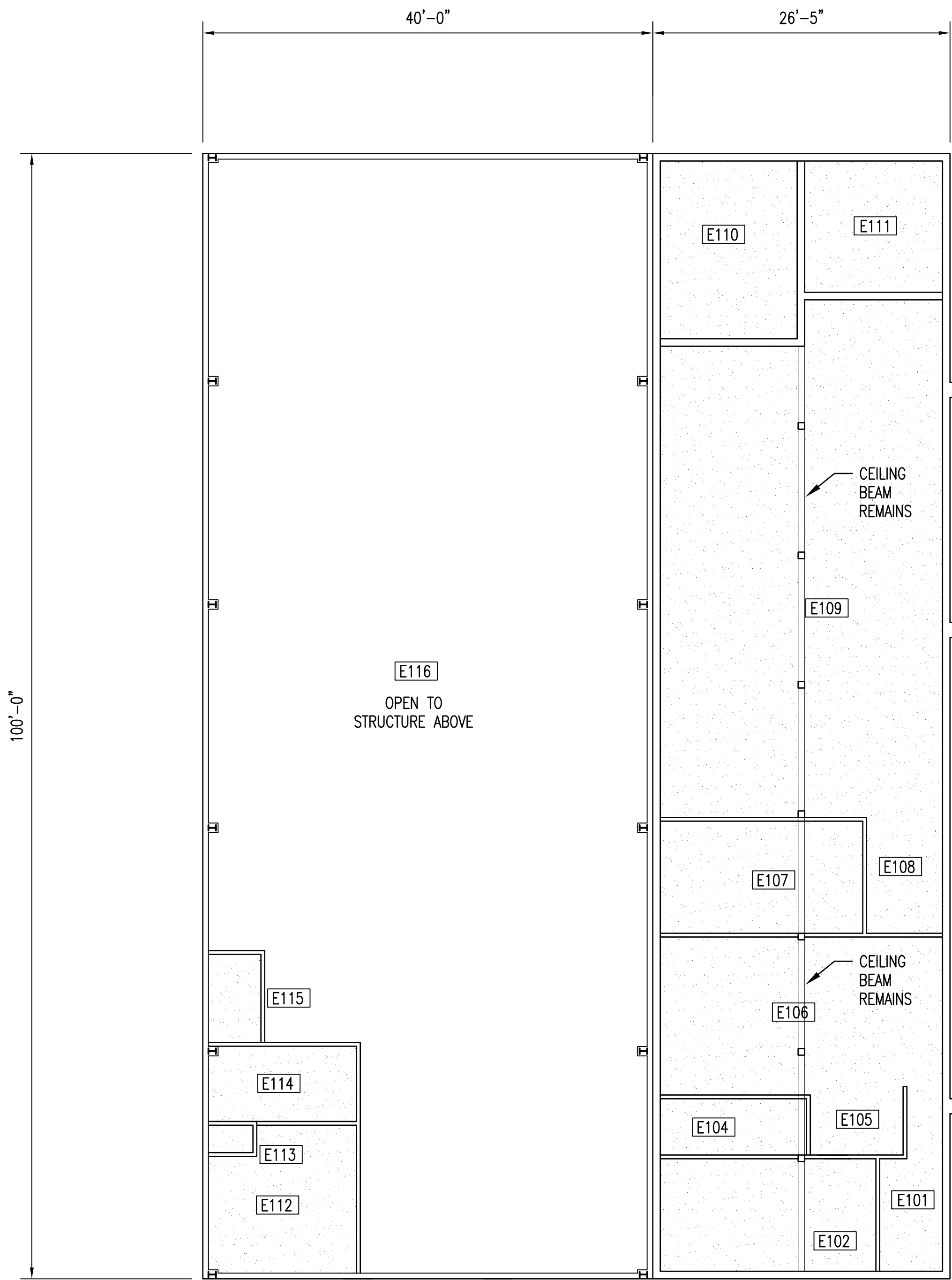
RENOVATED ELEVATION 3
1/8" = 1'-0"



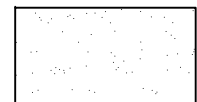
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE:		ELEVATIONS		A-4	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150 DES. Robert L. Smith, III DR. Steven C. Fender CHK. Robert L. Smith, III SUBMITTED BY: DESIGN DIR. T.H. Burton, P.E.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
APPROVED:		DATE	SIZE F	CODE IDENT. NO. 80091	NAVFAC DRAWING NO. 60024419	
SATISFACTORY TO:		DATE	CONST. CONTR. NO. N40085-17-B-0075		SHEET 11 OF 34	
SCALE: NOTED		SPEC: 05-17-0075				

REVISIONS			
SYMBOL		DATE	APPROVED

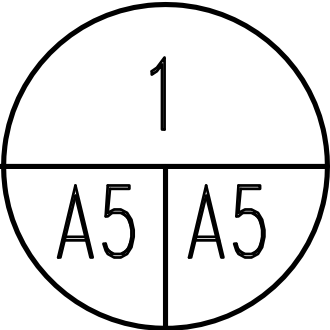


- GENERAL EXISTING NOTES:
- REMOVE EXISTING CEILING INDICATED
 - REMOVE EXISTING LIGHTS - SEE ELECTRICAL PLANS.
 - AREAS E112, E113, E114, AND E115 ARE TO BE REMOVED COMPLETELY

 PLYWOOD CEILINGS TO BE REMOVED

EXISTING CONDITIONS CEILING PLAN AS124

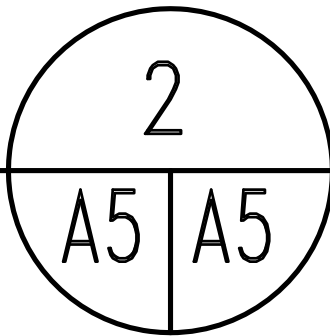
1/16" = 1'-0"



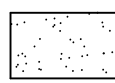
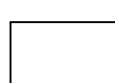

- GENERAL RENOVATED NOTES:
- PROVIDE CEILINGS INDICATED PER FINISH SCHEDULE SHEET A-3

RENOVATED CONDITIONS CEILING PLAN AS124

1/8" = 1'-0"

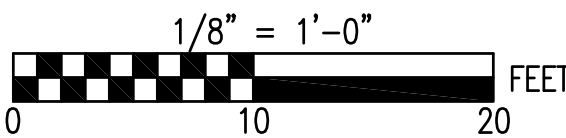


EXISTING CONDITIONS CEILING PLAN LEGEND



-  PLYWOOD CEILINGS WITH BATTENS
-  OPEN TO STRUCTURE
-  LIGHT FIXTURES
SEE ELECT. DWGS.

CEILING PLAN LEGEND

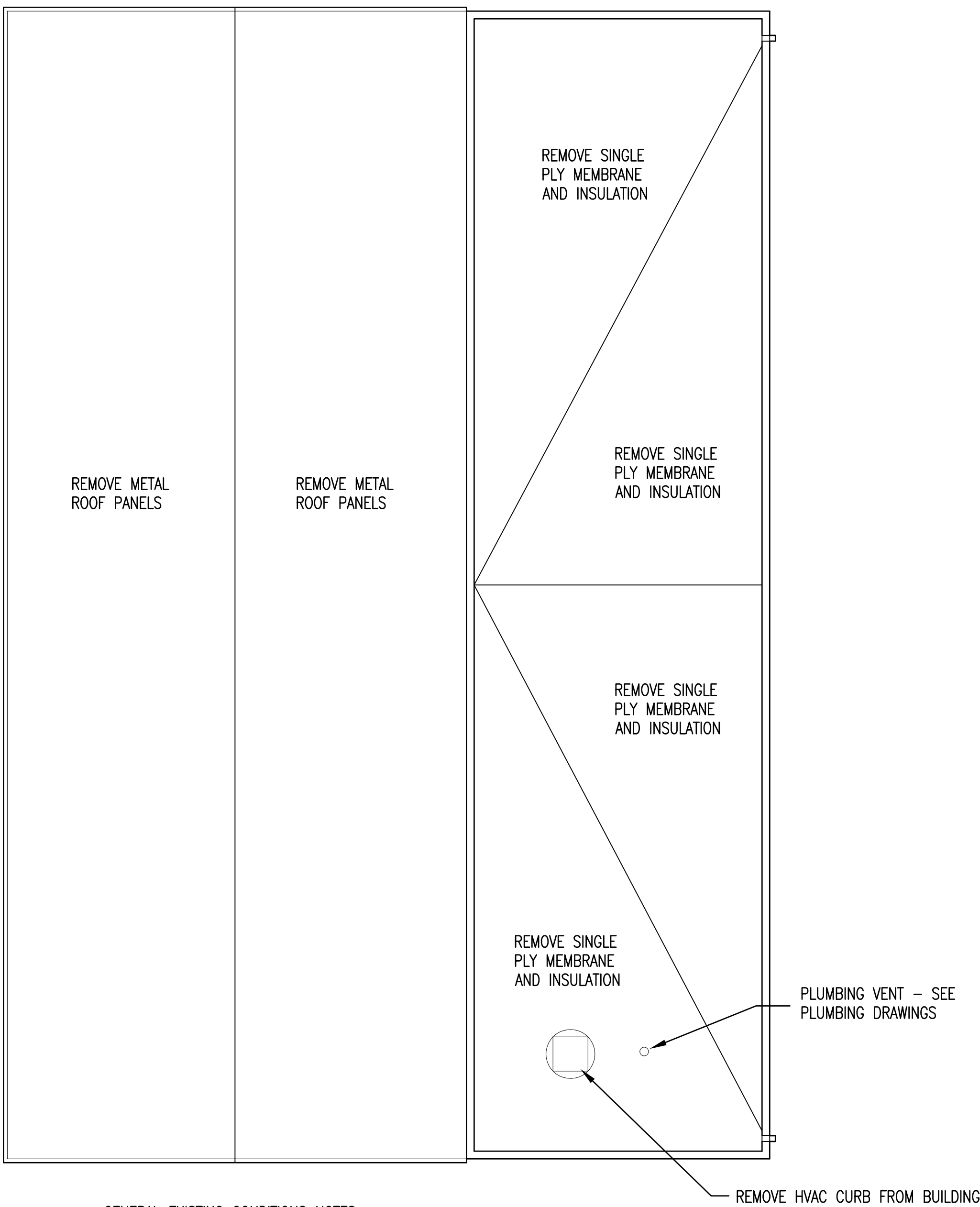
THE CEILING PLANS ARE INTENDED TO SHOW MAJOR CEILING COMPONENTS FOR COORDINATION OF ALL TRADES. NOT ALL CEILING COMPONENTS ARE SHOWN NOR DO ALL THE COMPONENTS SHOWN ON THE LEGEND NECESSARILY OCCUR ON THIS PROJECT. SEE ALL DRAWINGS FOR COMPONENTS THAT OCCUR ON THE CEILINGS.



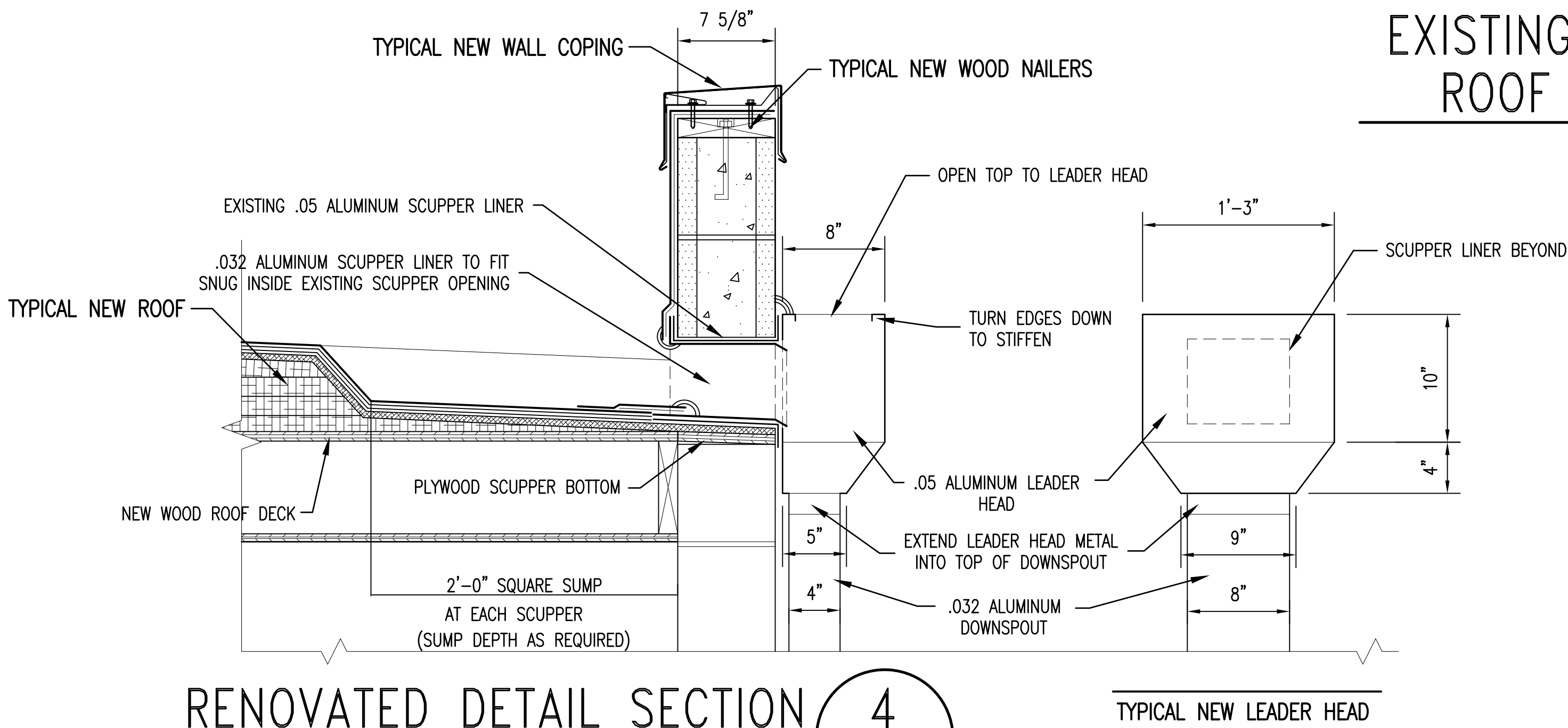
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

 TALLEY & SMITH ARCHITECTURE, INC. CERT. NO. 50153 NORTH CAROLINA SHELBY, N.C.	SHEET TITLE: CEILING PLANS		A-5	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150 DES. Robert L. Smith, III DR. Steven C. Fender CHK. Robert L. Smith, III SUBMITTED BY: DESIGN DIR. T.H. Burton, P.E.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
 ROBERT L. SMITH, III REGISTERED ARCHITECT NO. 8102 NORTH CAROLINA SHELBY, N.C. 07/27/2018	APPROVED:	DATE	SIZE F	CODE IDENT. NO. 80091
	SATISFACTORY TO:	DATE	SCALE: NOTED	NAVFAC DRAWING NO. 60024420
			SPEC. 05-17-0075	CONST. CONTR. NO. N40085-17-B-0075 SHEET 12 OF 34

REVISIONS			
SYMBOL		DATE	APPROVED



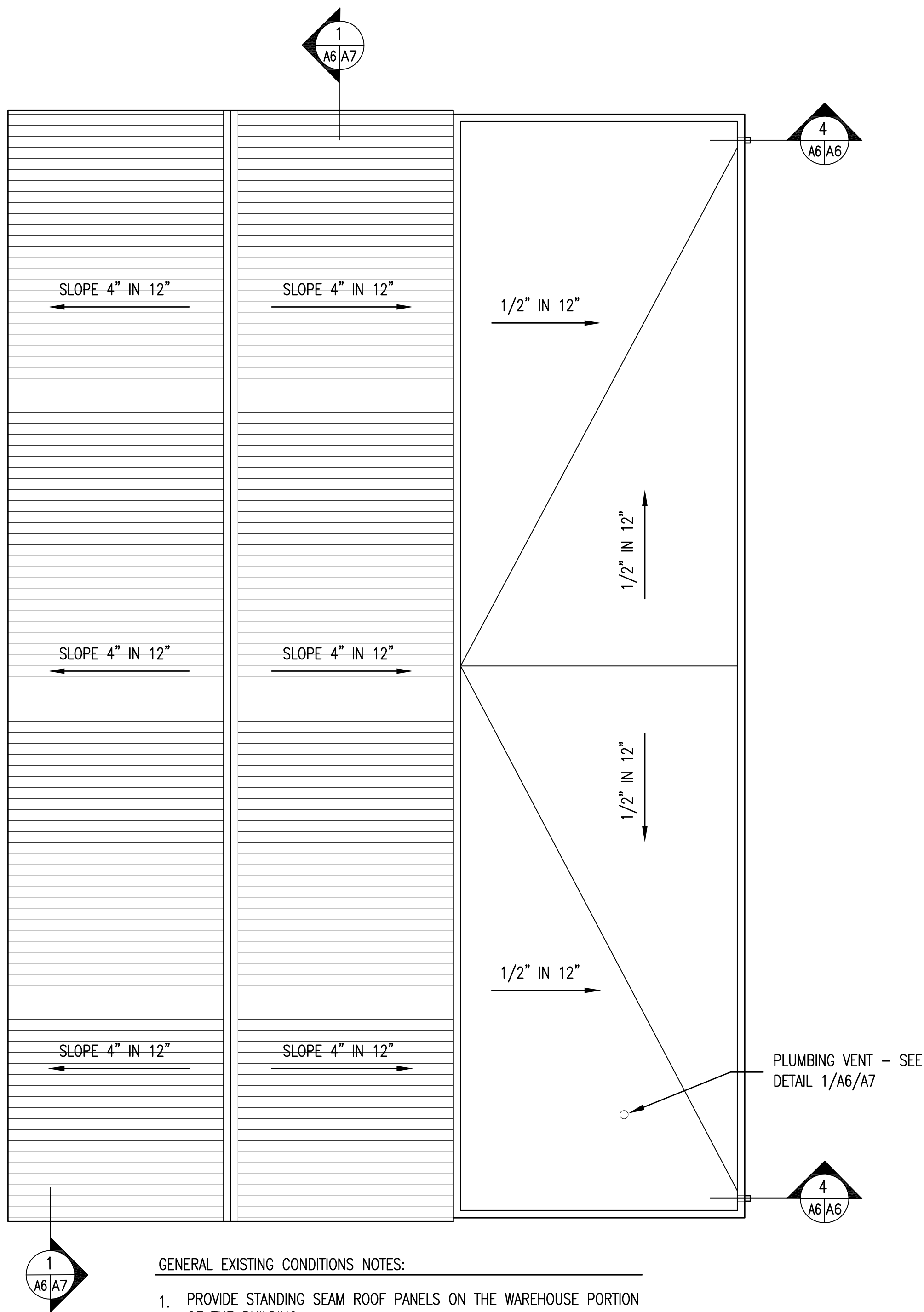
- GENERAL EXISTING CONDITIONS NOTES:
1. REMOVE METAL ROOF PANELS FROM WAREHOUSE PORTION OF THE BUILDING.
 2. REMOVE SINGLE PLY ROOF AND INSULATION FROM WOOD SHOP PORTION OF THE BUILDING.



EXISTING CONDITIONS
ROOF PLAN AS124

1/8" = 1'-0"

1
A6/A6

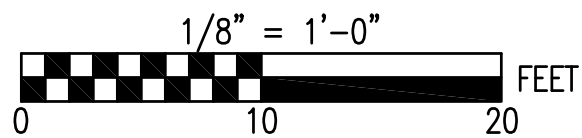


- GENERAL EXISTING CONDITIONS NOTES:
1. PROVIDE STANDING SEAM ROOF PANELS ON THE WAREHOUSE PORTION OF THE BUILDING.
 2. PROVIDE BUILT-UP ROOF SYSTEM ON THE WOOD SHOP PORTION OF THE BUILDING.
 3. SEE MECHANICAL PLANS FOR EXISTING ROOF CURBS THAT REMAIN AND ANY NEW ROOF OPENINGS.

RENOVATED CONDITIONS
ROOF PLAN AS124

1/8" = 1'-0"

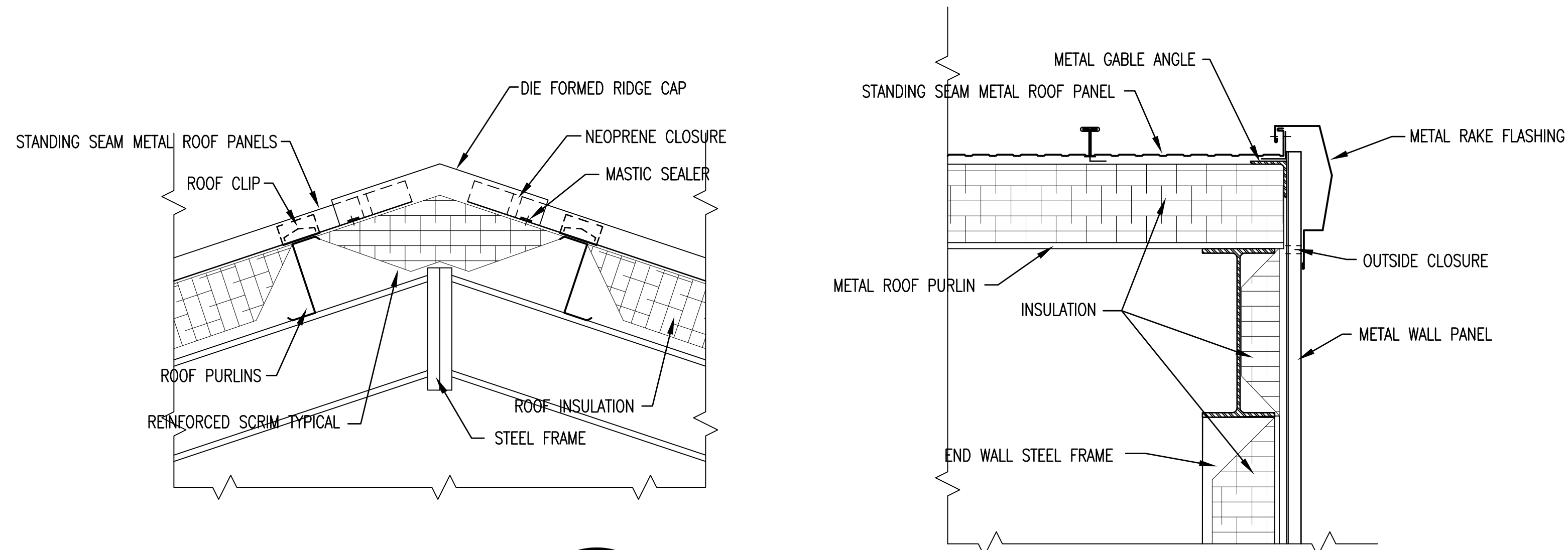
2
A6/A6



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

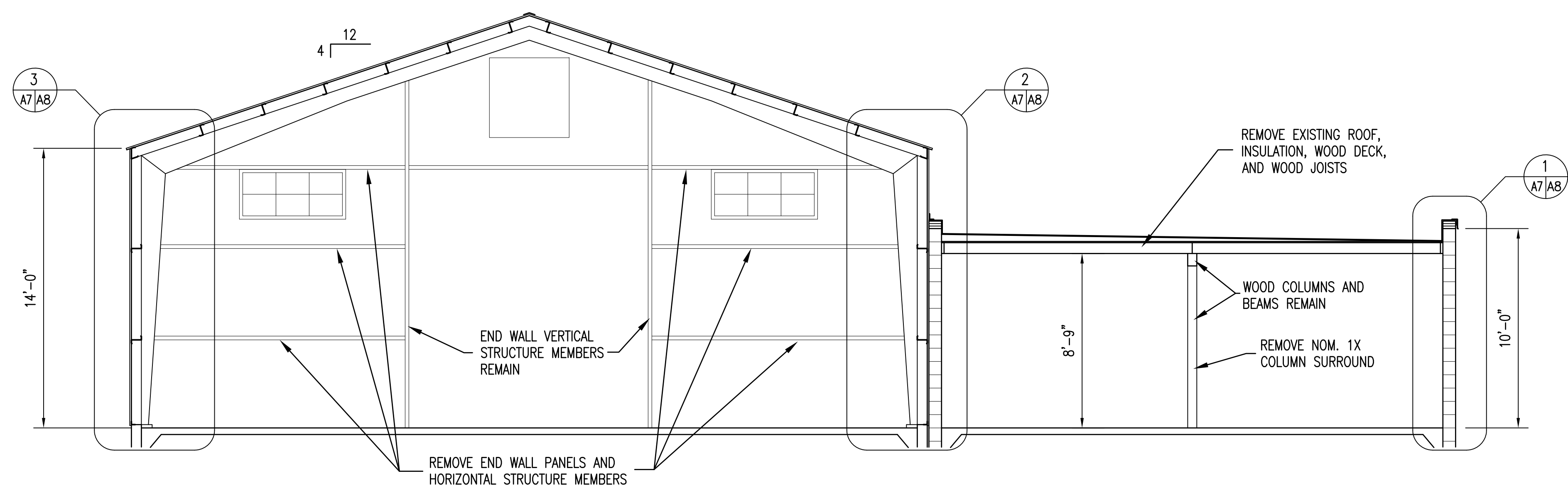
	SHEET TITLE:		ROOF PLANS		<p>A-6</p>
	<p>TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150</p>		<p>DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA</p>		
	DES. Robert L. Smith, III		INTERIOR/EXTERIOR		<p>NAVFAC DRAWING NO. 60024421</p>
	DR. Steven C. Fender		REPAIRS BLDG. AS124		
CHK. Robert L. Smith, III		CAMP LEJEUNE, NORTH CAROLINA			
SUBMITTED BY:		DESIGN DIR. T.H. Burton, P.E.			
APPROVED:		DATE	SIZE F	CODE IDENT. NO. 80091	
SATISFACTORY TO:		DATE	SCALE: NOTED	SPEC. 05-17-0075	SHEET 13 OF 34

REVISIONS			DATE	APPROVED
SYN.				

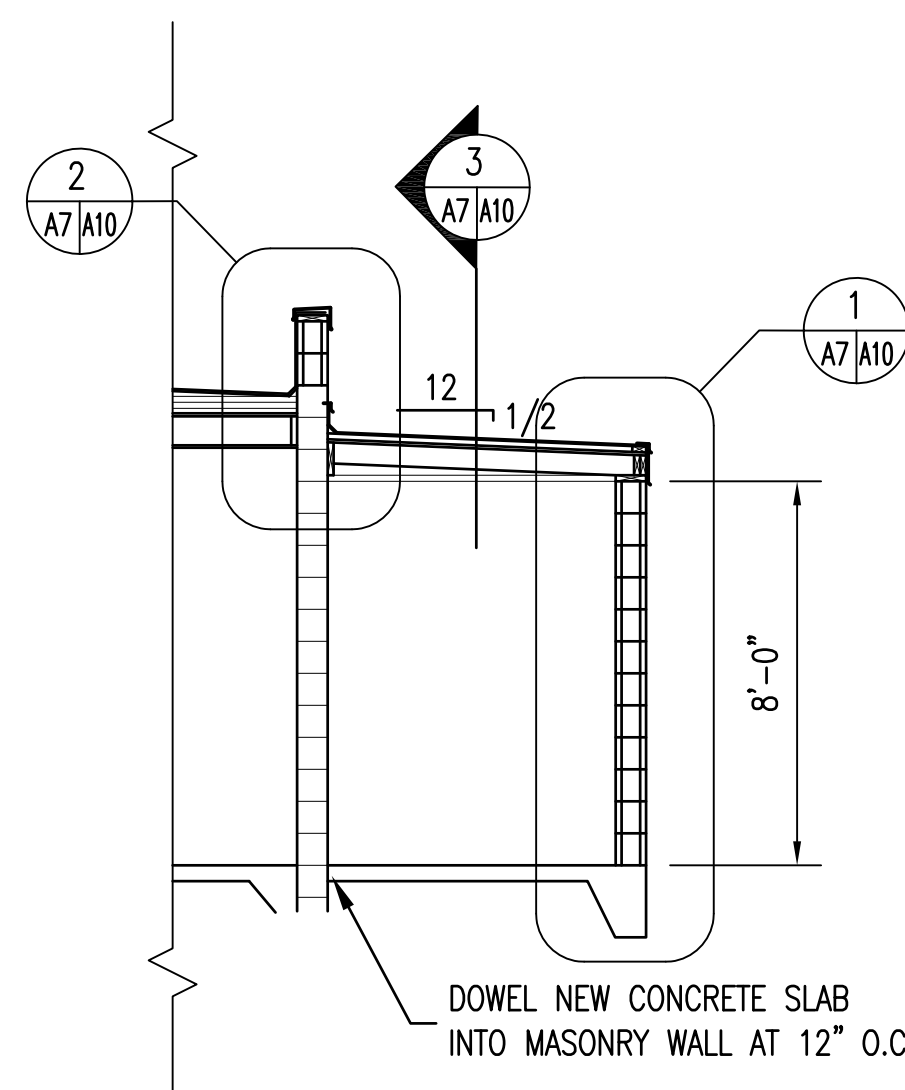


DETAIL SECTION 1
1 1/2" = 1'-0"

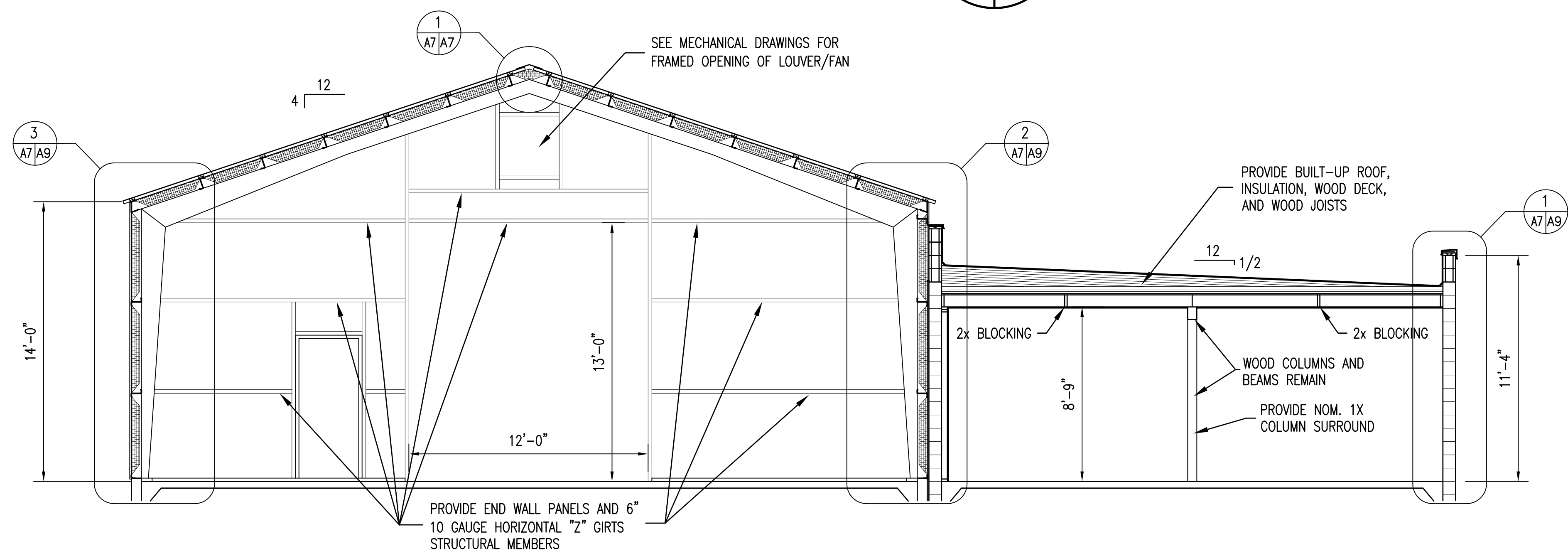
DETAIL SECTION 1
1 1/2" = 1'-0"



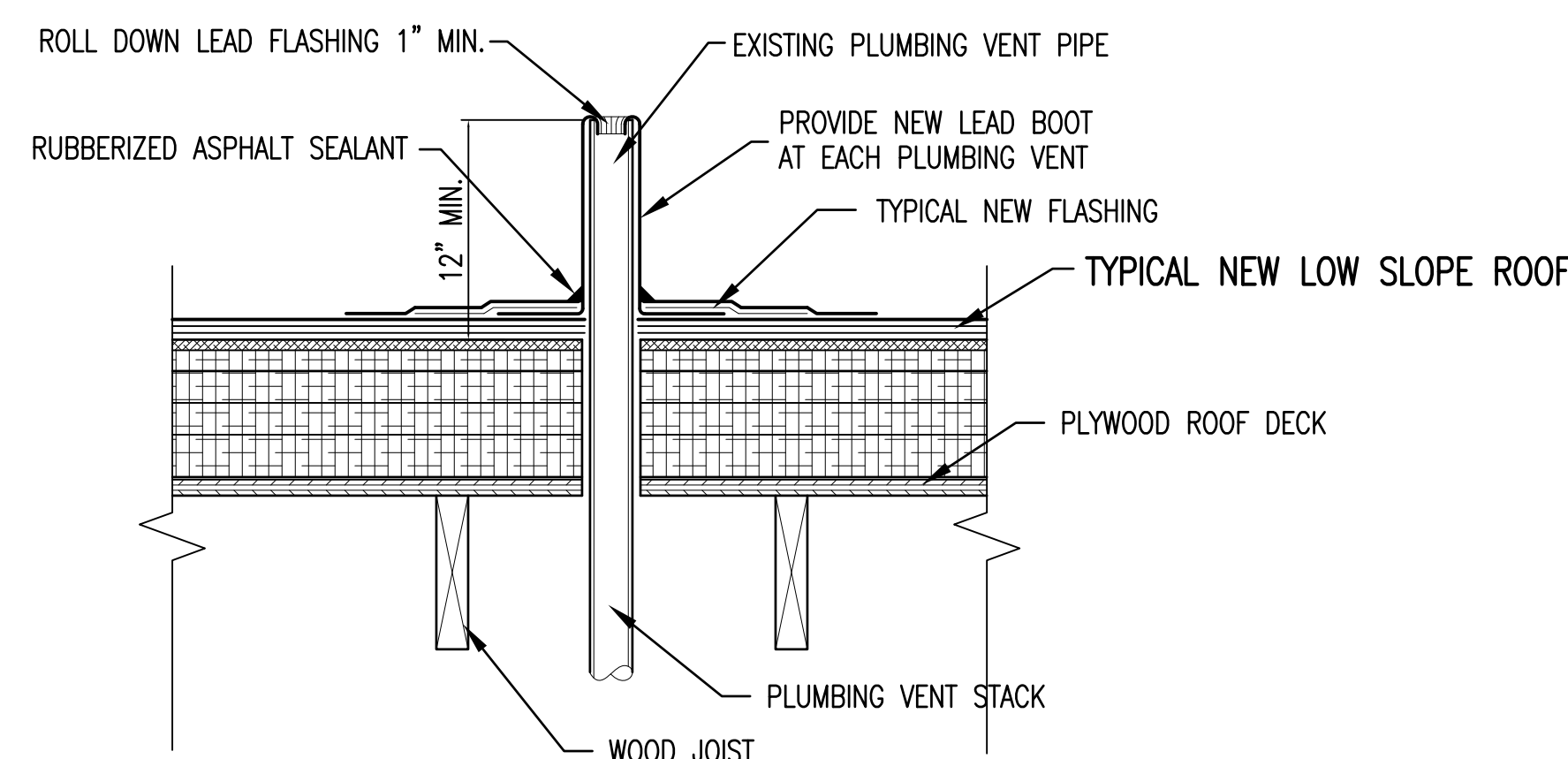
EXISTING BUILDING SECTION 1
1/4" = 1'-0"



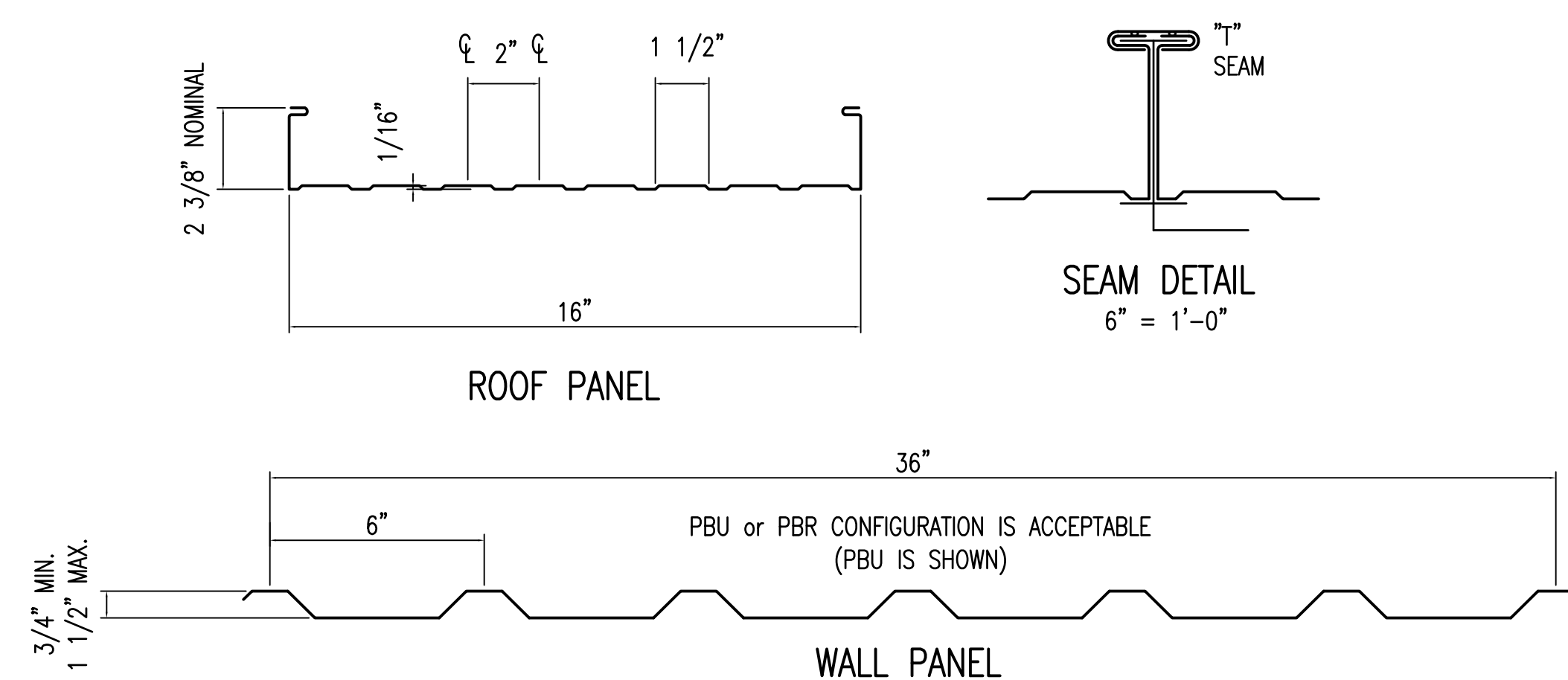
RENOVATED SECTION 2
1/4" = 1'-0"



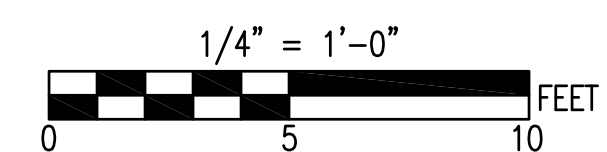
RENOVATED BUILDING SECTION 1
1/4" = 1'-0"



RENOVATED DETAIL SECTION 2
1 1/2" = 1'-0"



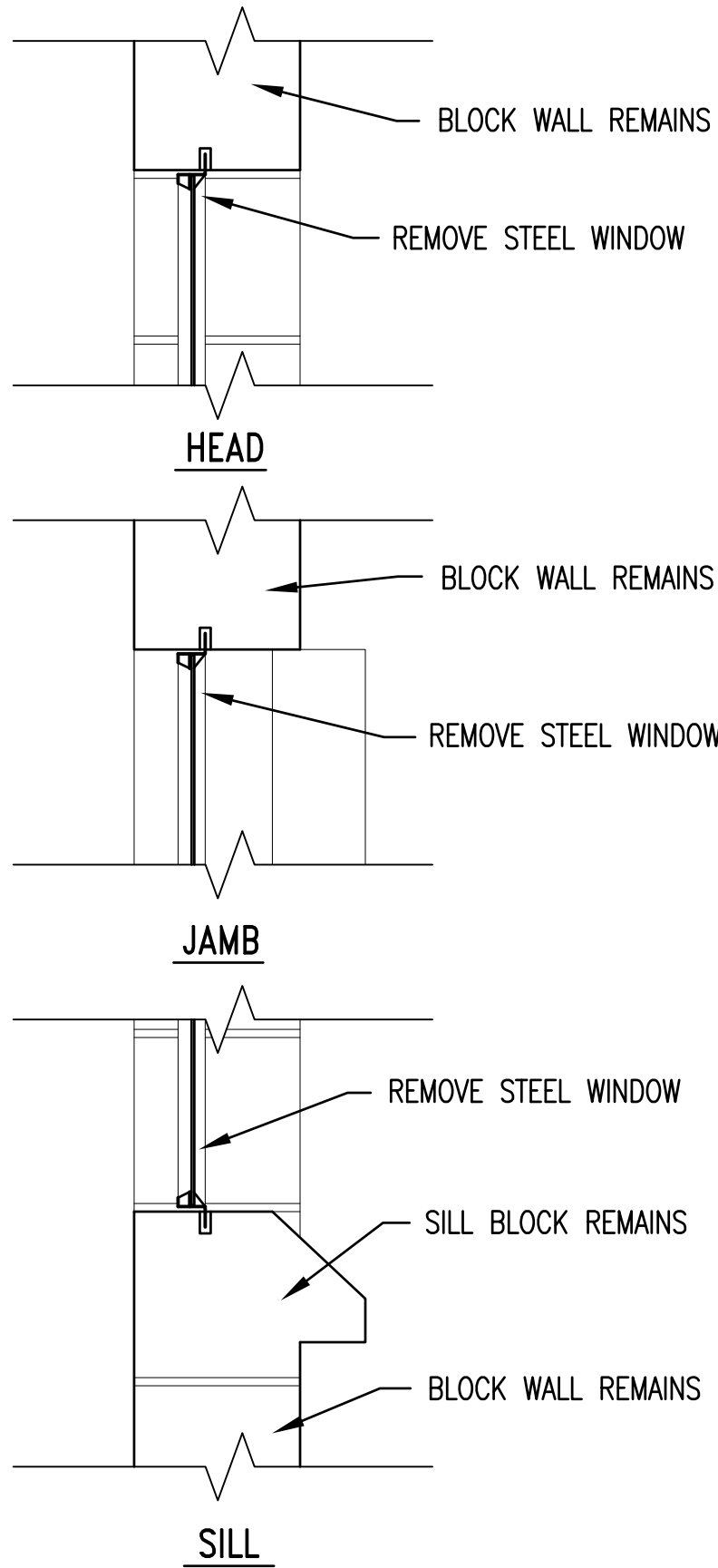
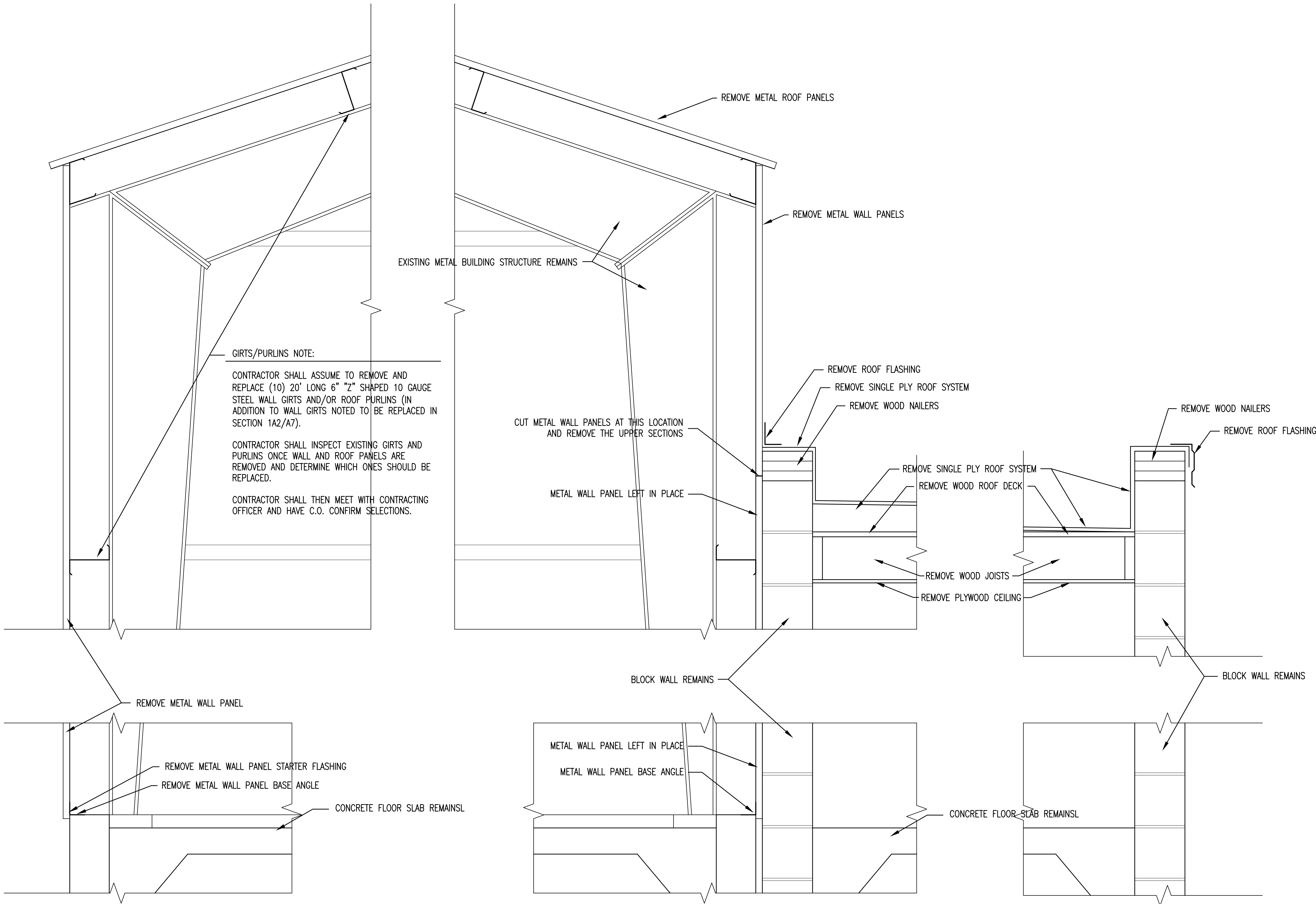
STANDING SEAM METAL ROOF SYSTEM
WALL PANEL
& COMPONENT CONFIGURATIONS 2
3" = 1'-0"



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE: GENERAL BUILDING SECTIONS		A-7	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150 DES. Robert L. Smith, III DR. Steven C. Fender CHK. Robert L. Smith, III SUBMITTED BY: DESIGN DIR. T.H. Burton, P.E. APPROVED: _____ DATE _____ SATISFACTORY TO: _____ DATE _____		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA CONST. CONTR. NO. N40085-17-B-0075 SHEET 14 OF 34	
		SIZE E1	CODE IDENT. NO. 80091	NAVFAC DRAWING NO. 60024422
SCALE: NOTED		SPEC: 05-17-0075		

REVISIONS			
SYMBOL	REVISIONS	DATE	APPROVED

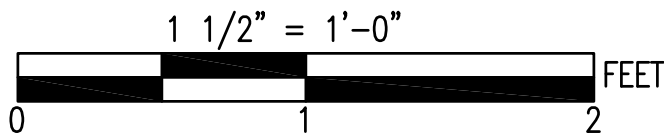


EXISTING DETAIL SECTION 3
1 1/2" = 1'-0" A7/A8

EXISTING DETAIL SECTION 2
1 1/2" = 1'-0" A7/A8

EXISTING DETAIL SECTION 1
1 1/2" = 1'-0" A7/A8

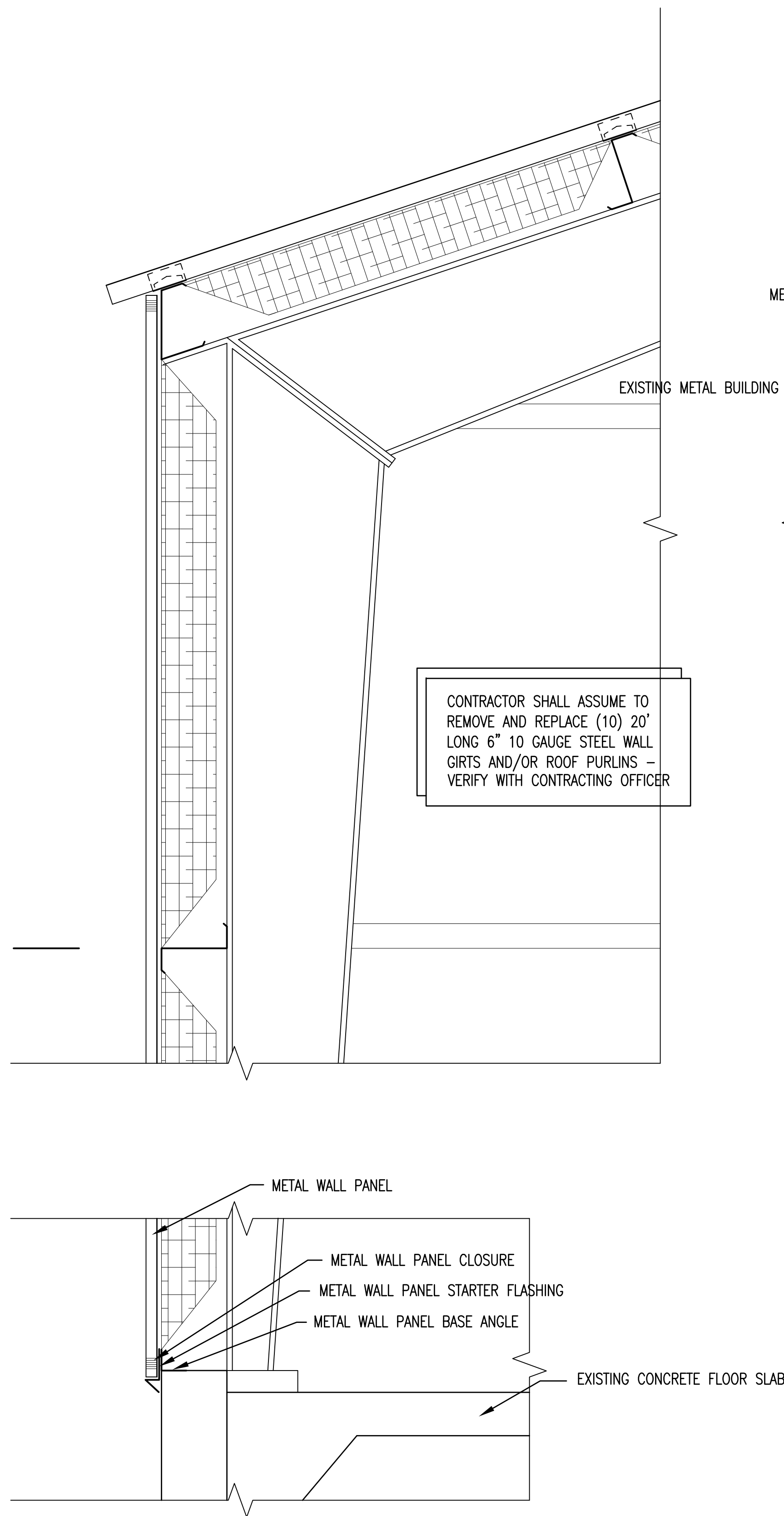
EXISTING WINDOW DETAIL 1
1 1/2" = 1'-0" A1/A8



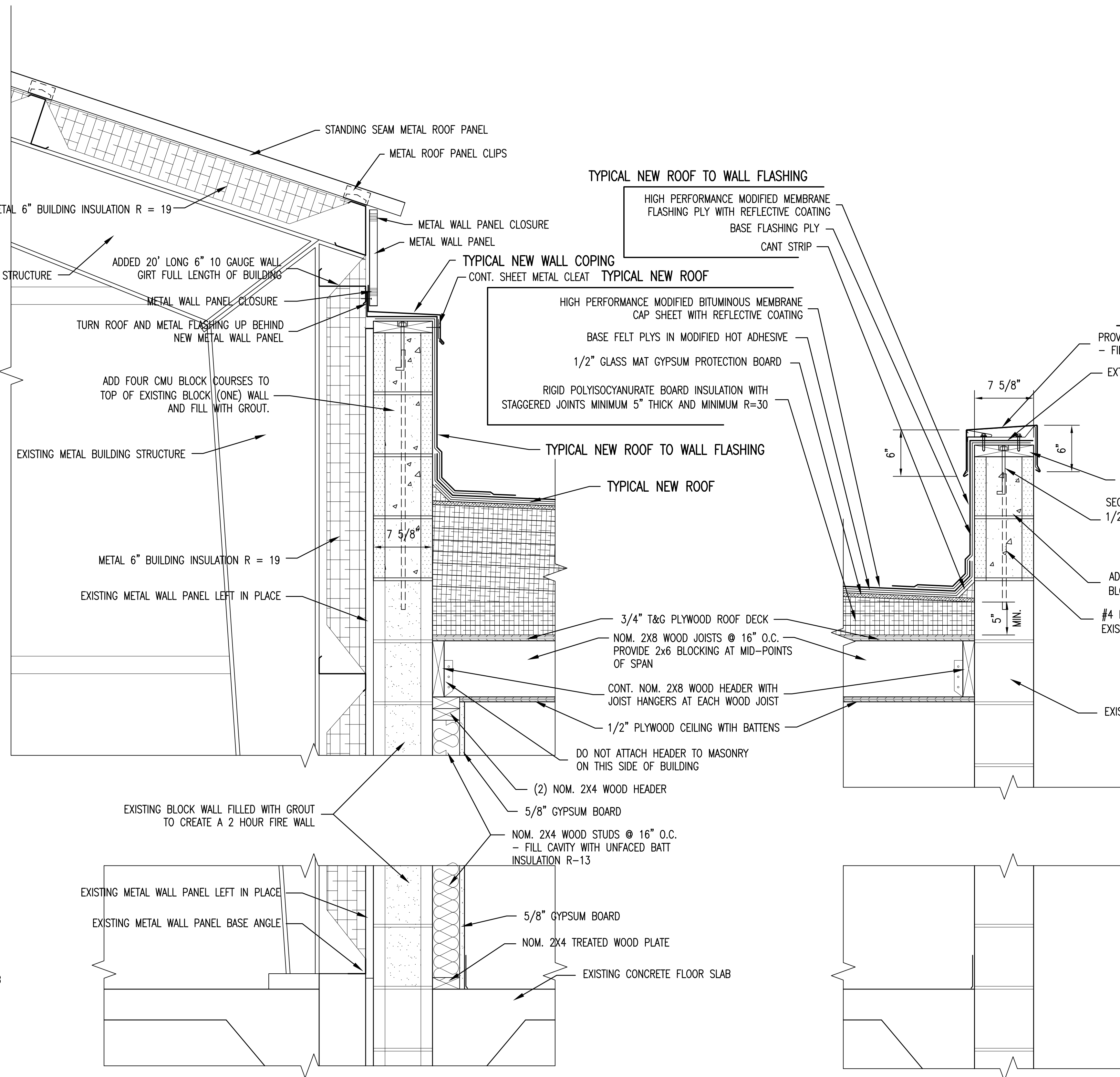
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE:		DETAIL SECTIONS		A-8
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		
	DES. Robert L. Smith, III	INTERIOR/EXTERIOR		NAVFAC DRAWING NO. 60024423	
	DR. Steven C. Fender	REPAIRS BLDG. AS124		CONST. CONTR. NO. N40085-17-B-0075	
	CHK. Robert L. Smith, III	CAMP LEJEUNE, NORTH CAROLINA		SHEET 15 OF 34	
	SUBMITTED BY: T.H. Burton, P.E.				
APPROVED:	DATE	SIZE E1	CODE IDENT. NO. 80091		
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC: 05-17-0075		

REVISIONS			
SYN.		DATE	APPROVED

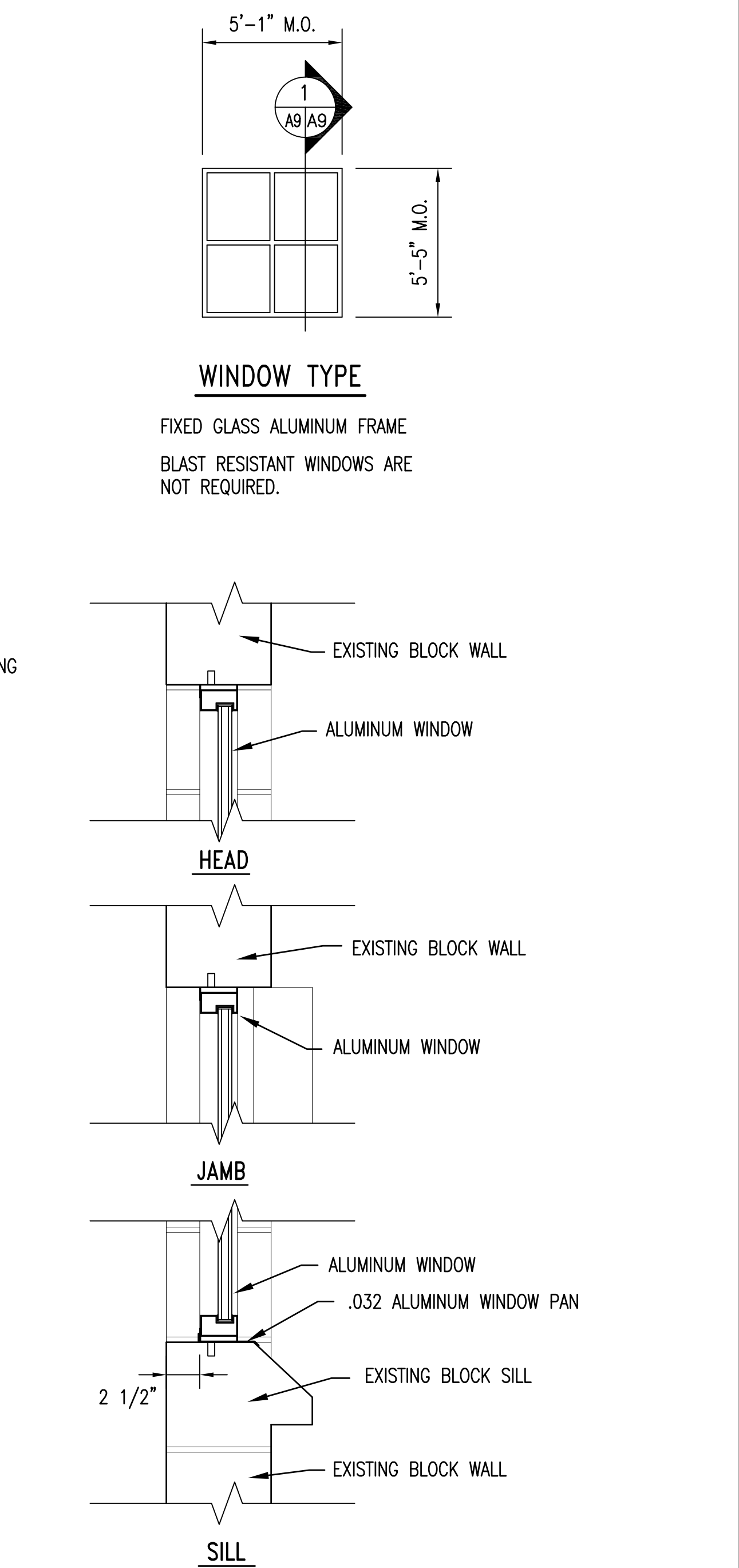


RENOVATED DETAIL SECTION 3
1 1/2" = 1'-0" A7/A9

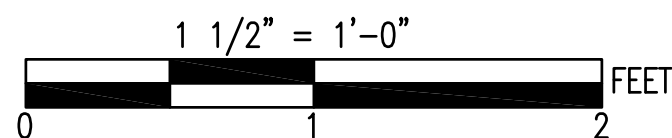


RENOVATED DETAIL SECTION 2
1 1/2" = 1'-0" A7/A9



RENOVATED DETAIL SECTION 1
1 1/2" = 1'-0" A7/A9



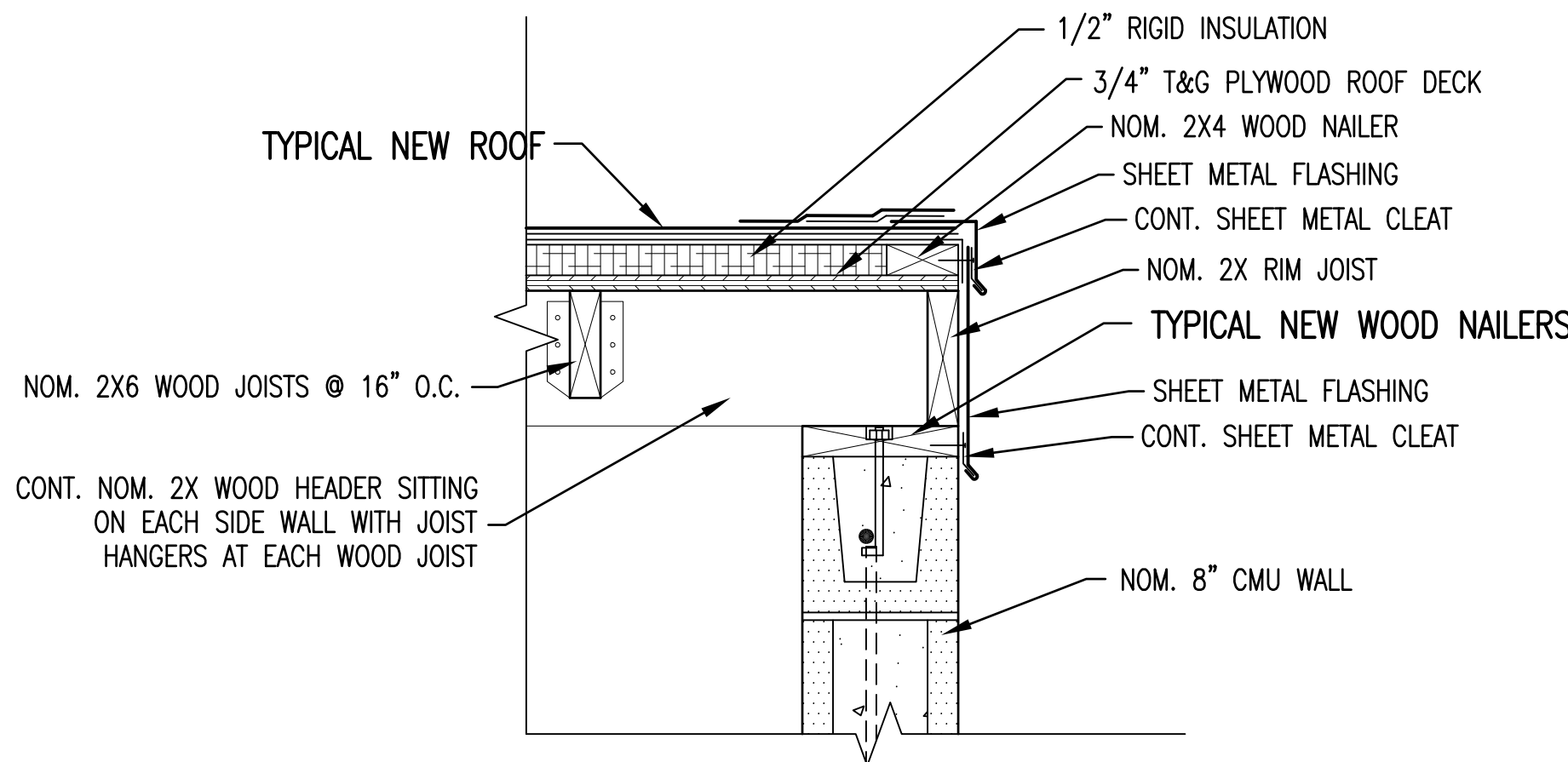
RENOVATED WINDOW DETAIL 1
1 1/2" = 1'-0" A2/A9
A9



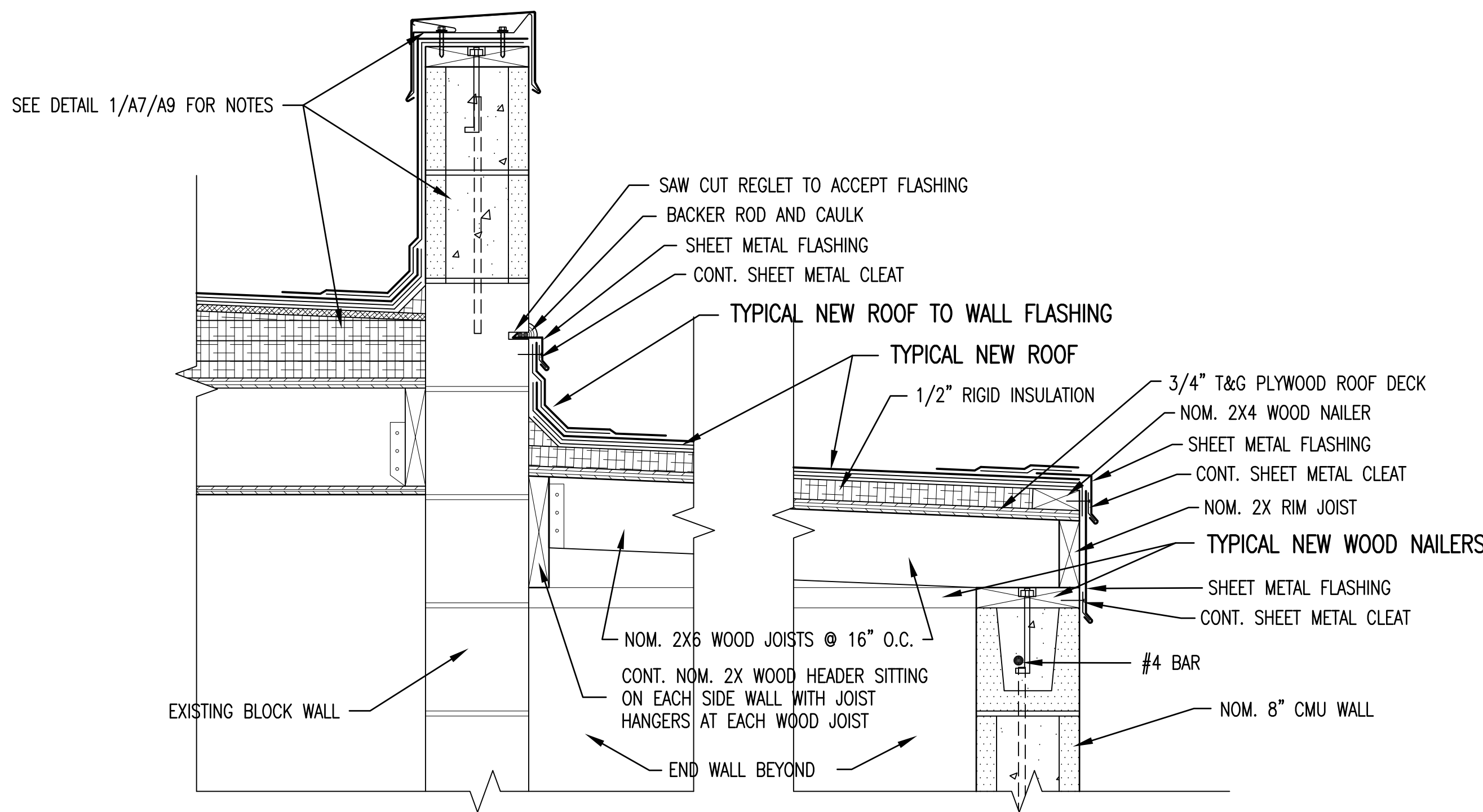
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

	SHEET TITLE: DETAIL SECTIONS		A-9	
TALLEY & SMITH ARCHITECTURE INC. CERT. NO. 50153 NORTH CAROLINA SHELBY, N.C.	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
	DES. Robert L. Smith, III		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
	DR. Steven C. Fender			
	CHK. Robert L. Smith, III			
	SUBMITTED BY:			
	DESIGN DIR. T.H. Burton, P.E.			
	APPROVED:	DATE	SIZE E1	CODE IDENT. NO. 80091
	SATISFACTORY TO:	DATE	NAVAC DRAWING NO. 60024424	
			CONST. CONTR. NO. N40085-17-B-0075	
07/27/2018			SCALE: NOTED	SPEC. 05-17-0075
			SHEET 16 OF 34	

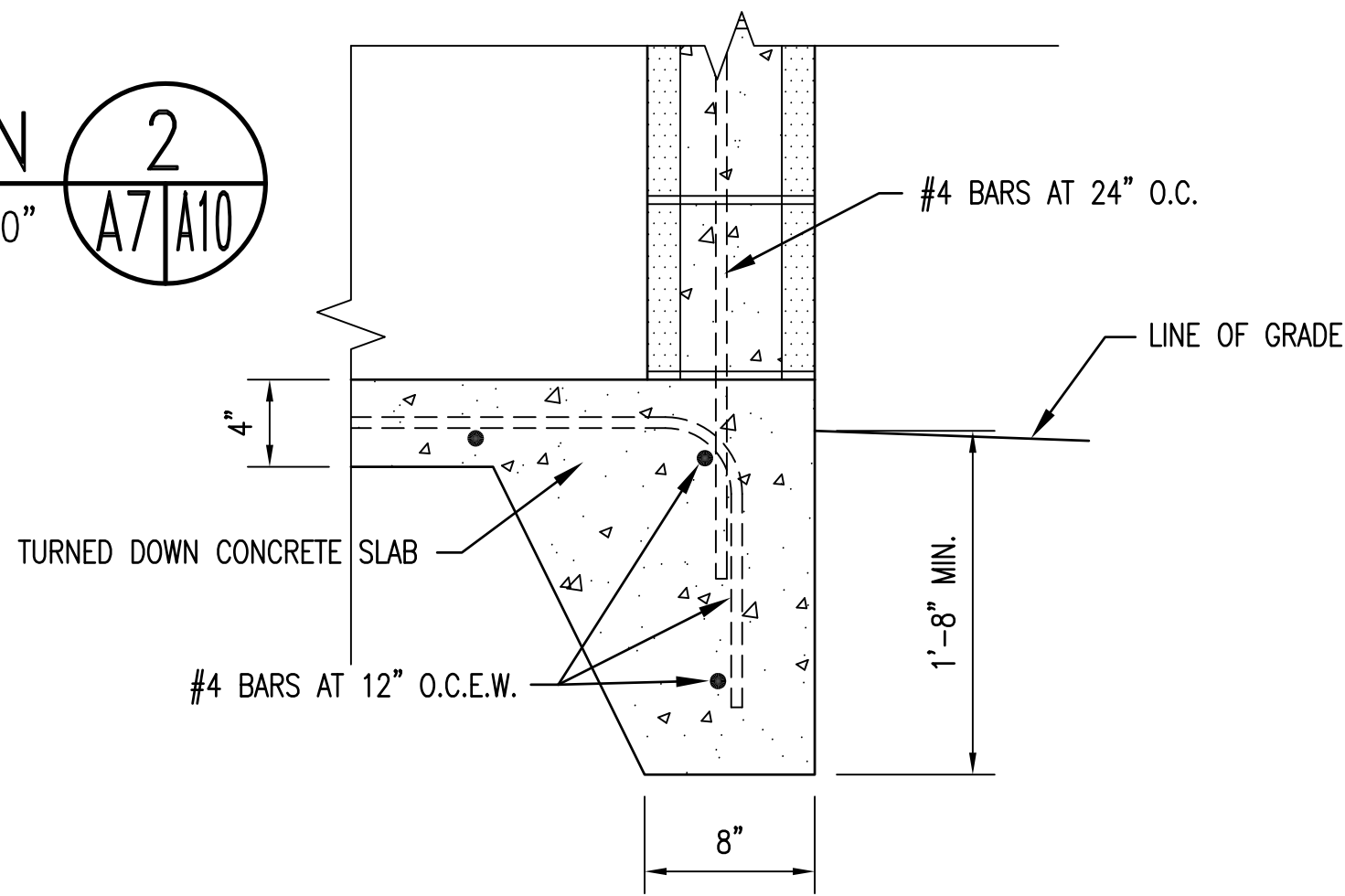
REVISIONS			
SYN.		DATE	APPROVED



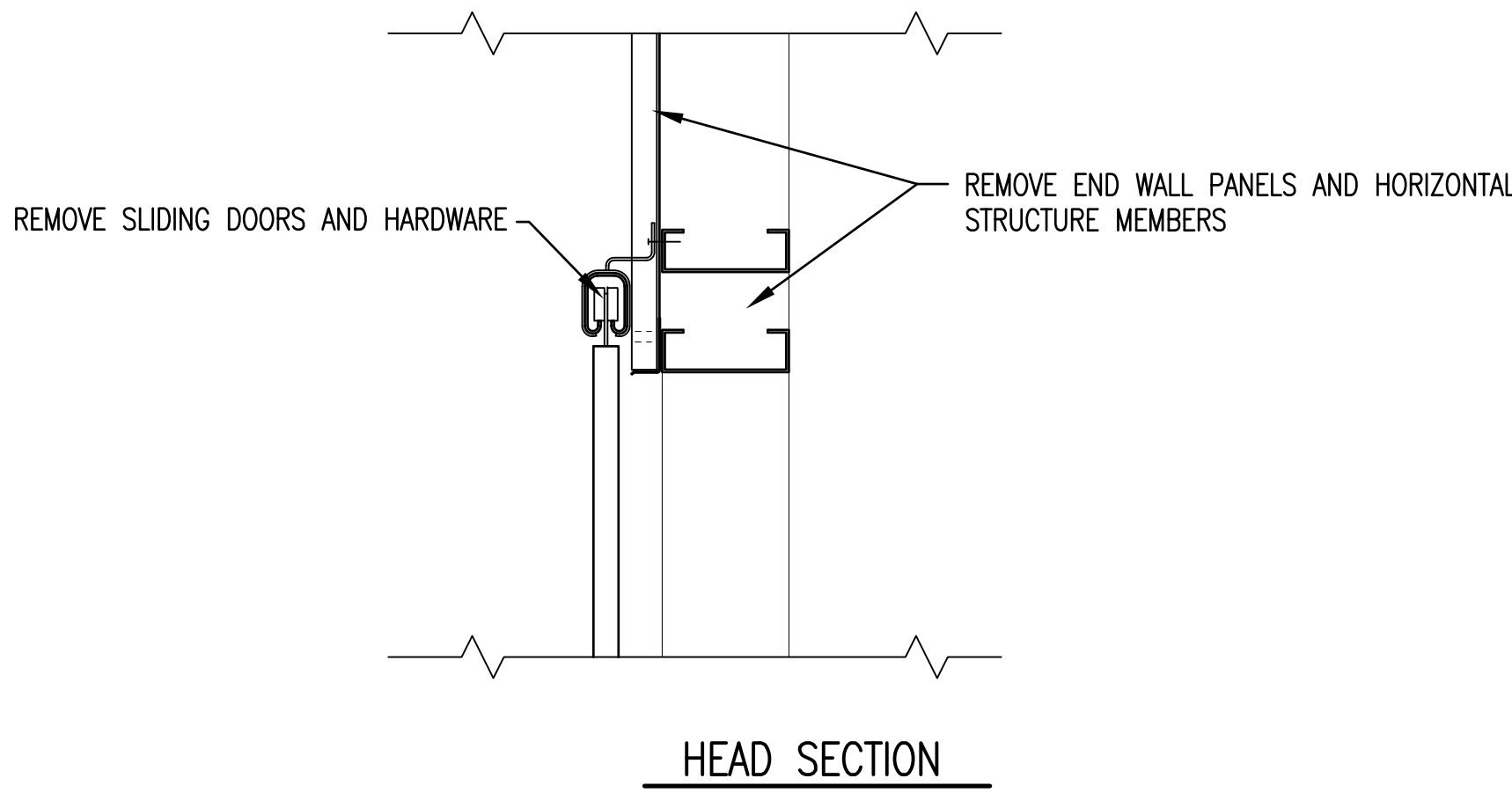
RENOVATED DETAIL SECTION 3
1 1/2" = 1'-0"



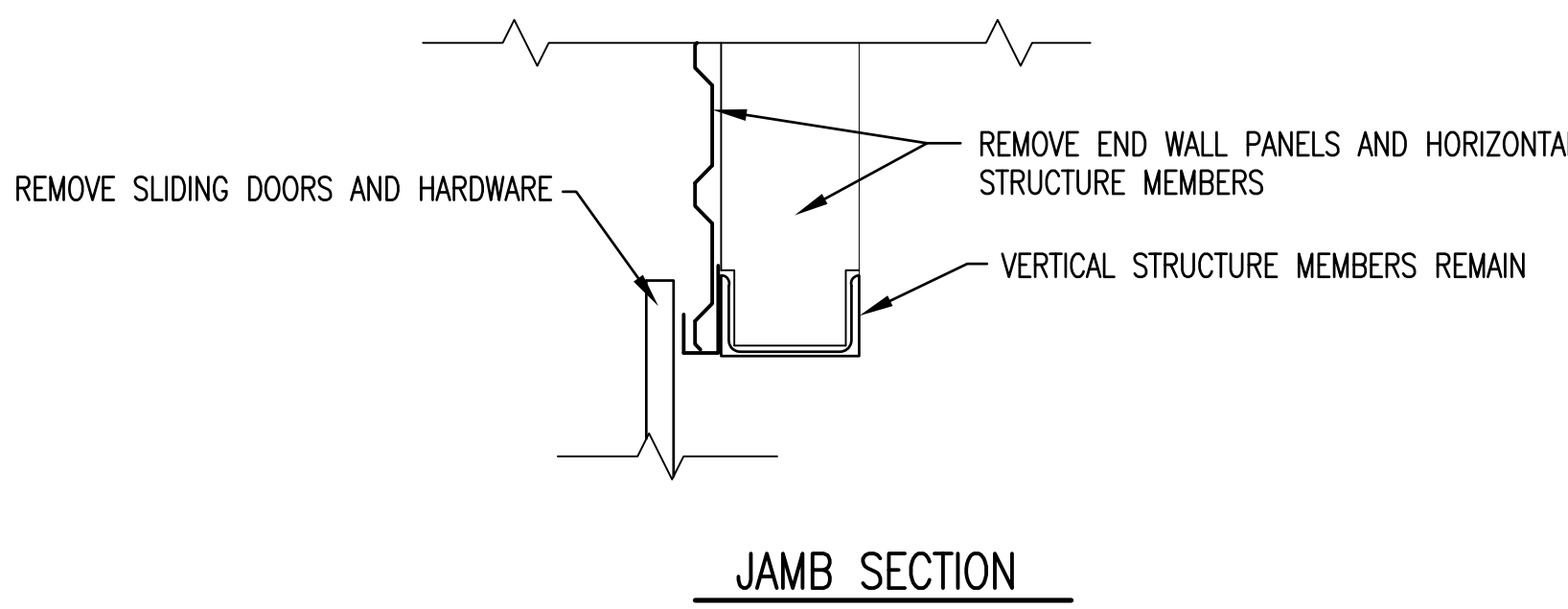
RENOVATED DETAIL SECTION 2
1 1/2" = 1'-0"



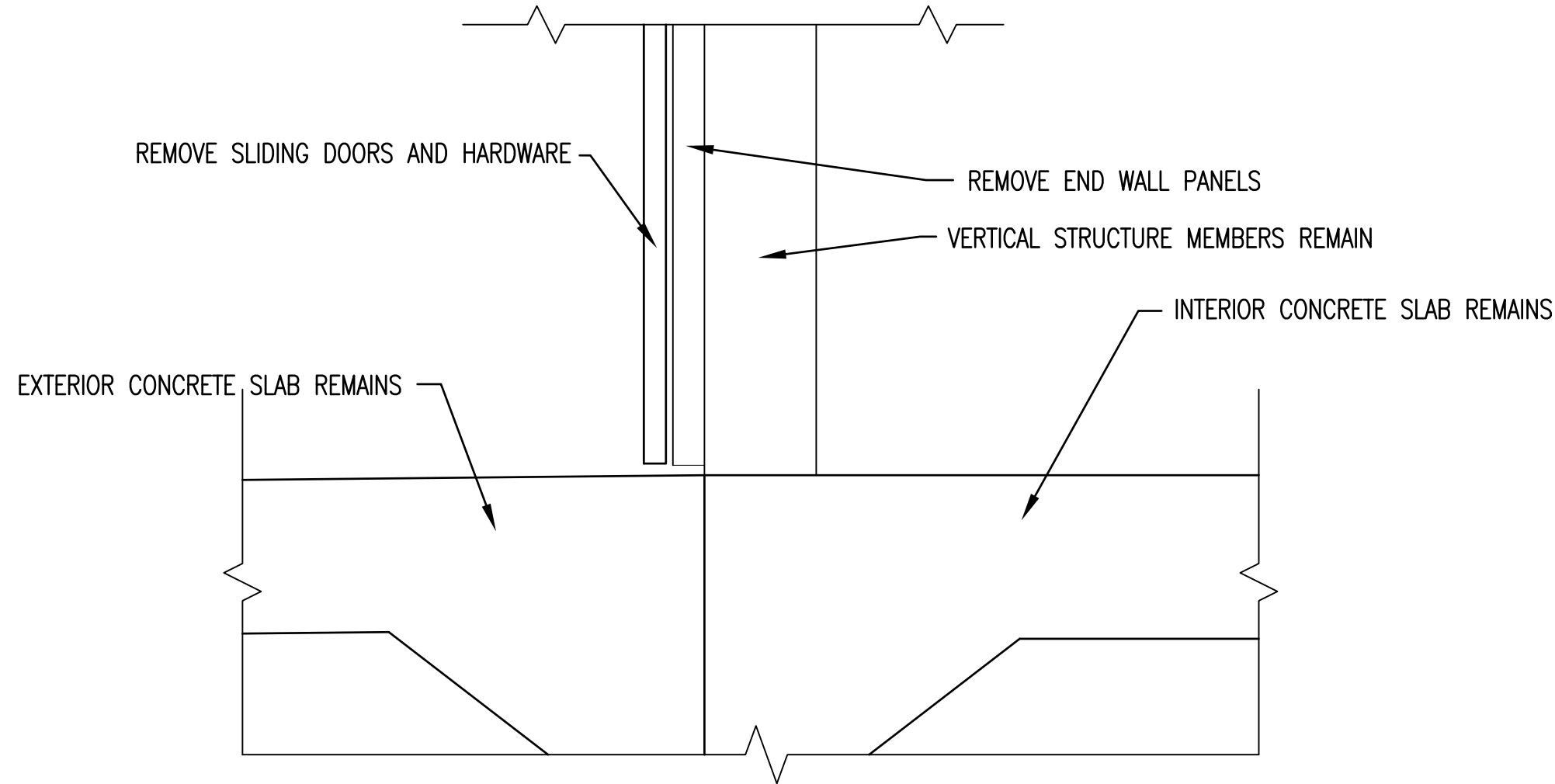
RENOVATED DETAIL SECTION 1
1 1/2" = 1'-0"



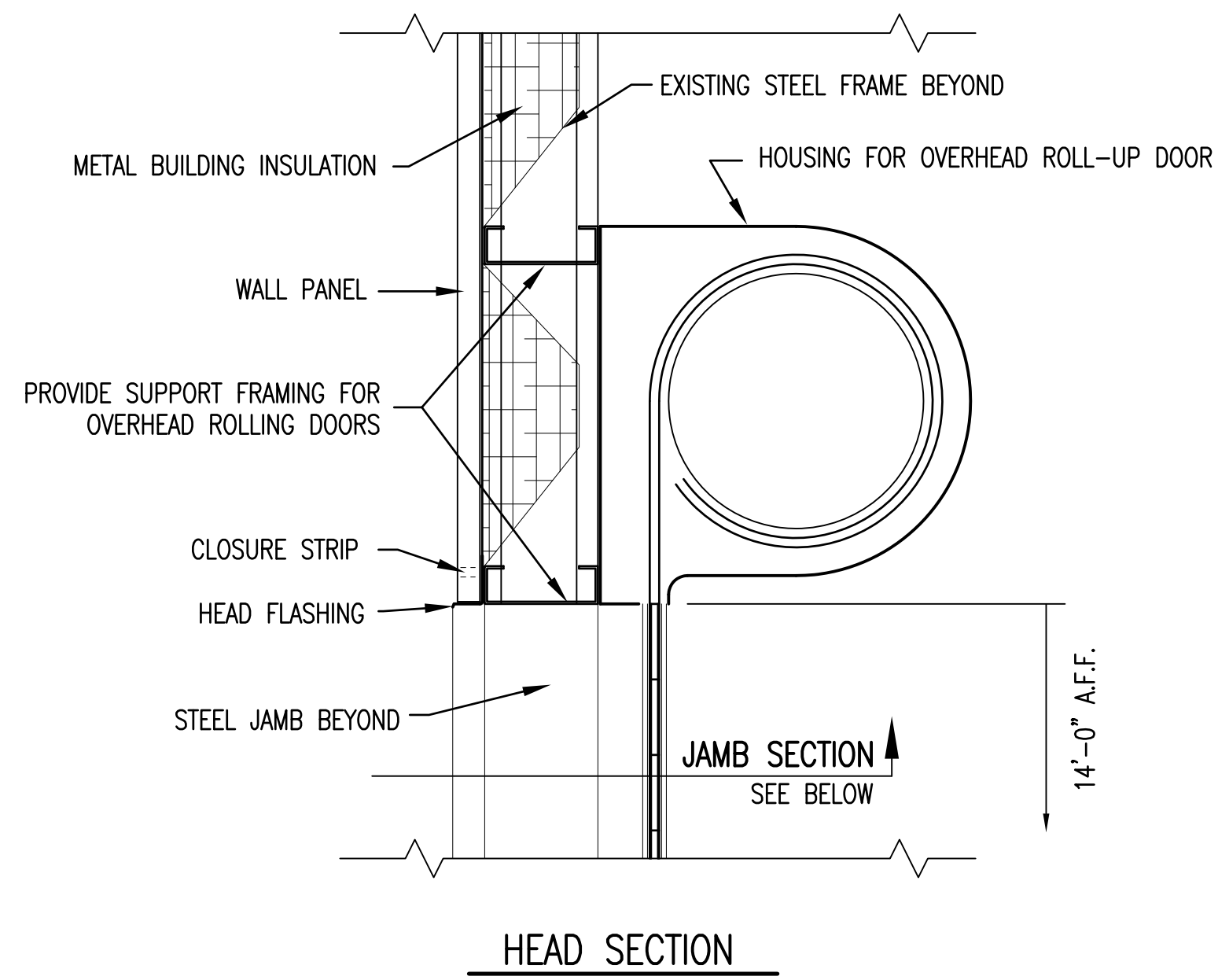
HEAD SECTION



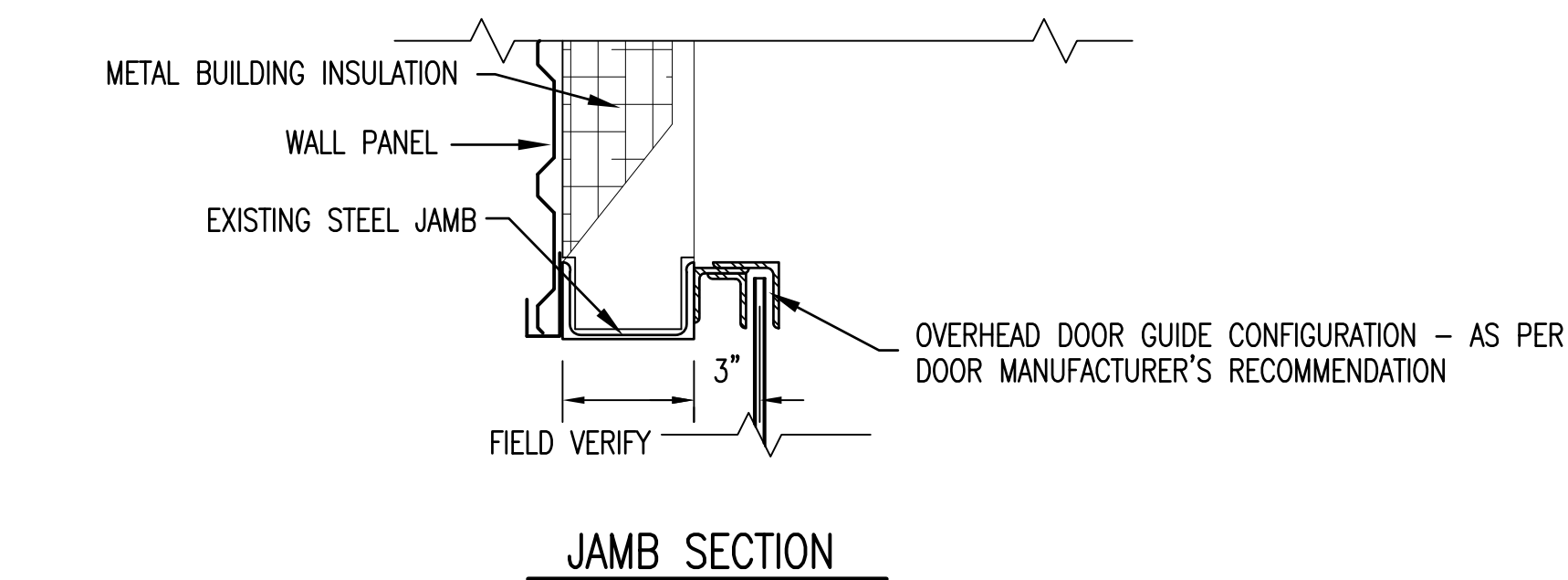
JAMB SECTION



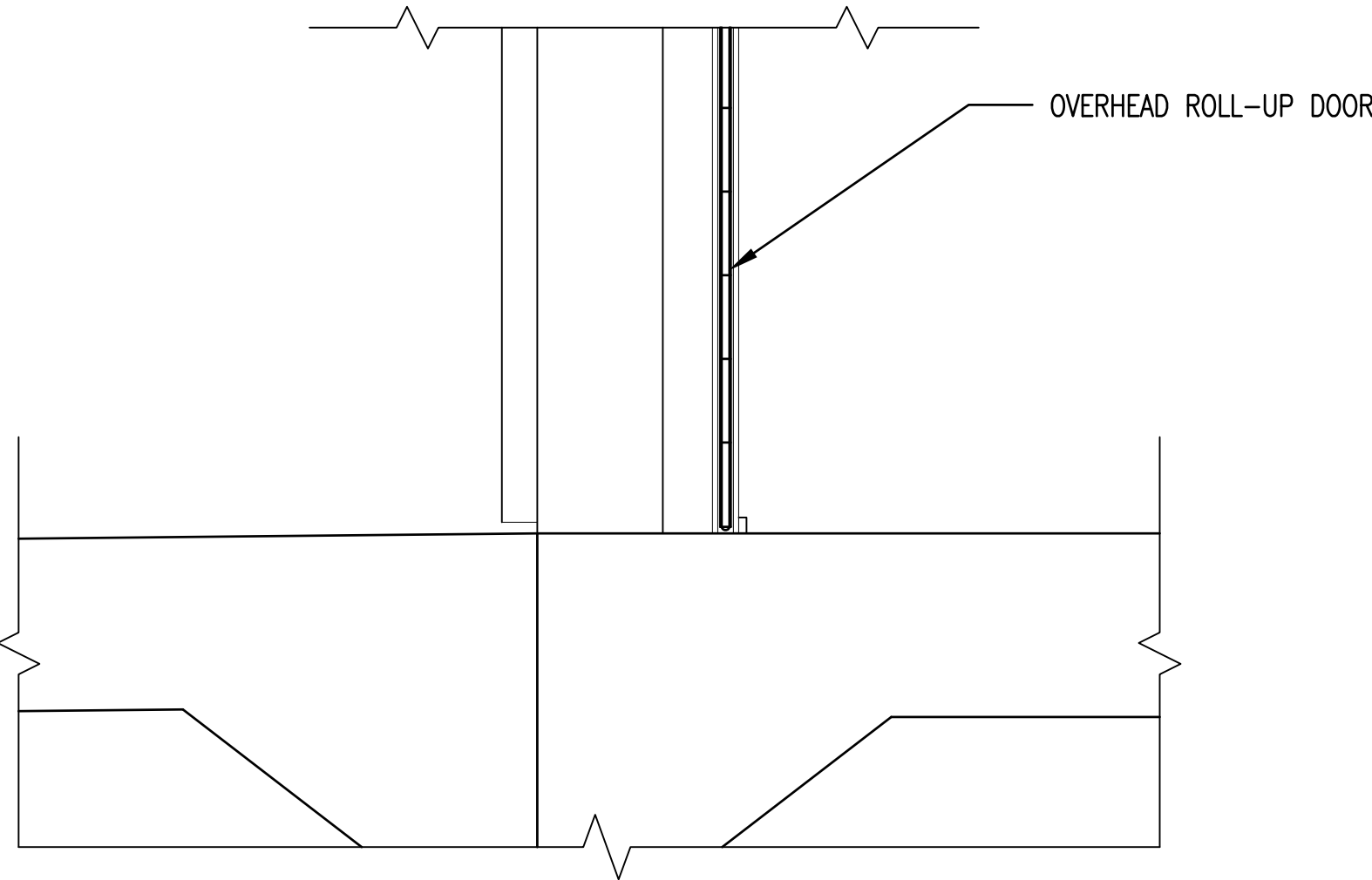
EXISTING DETAIL SECTION 1
1 1/2" = 1'-0"



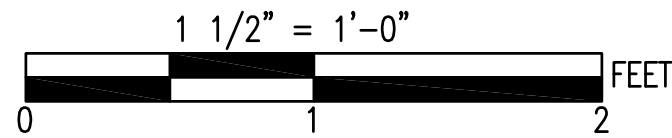
HEAD SECTION





JAMB SECTION



RENOVATED DETAIL SECTION 1
1 1/2" = 1'-0"

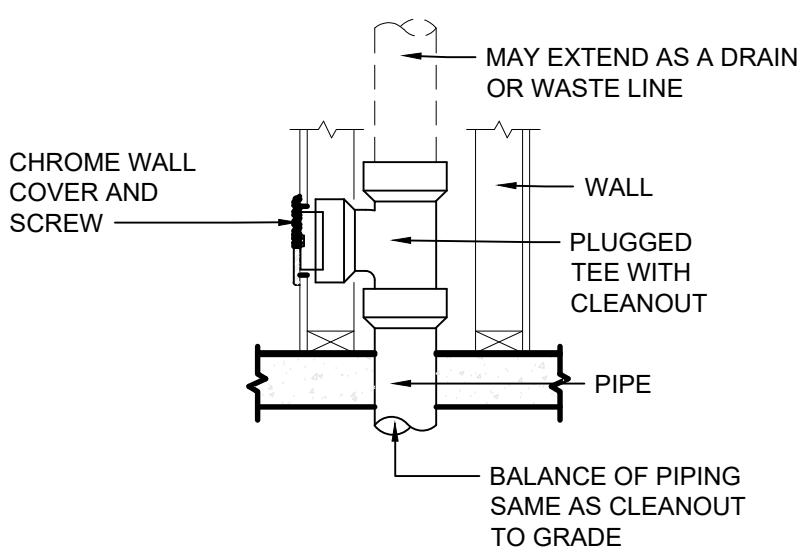


SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET T-1

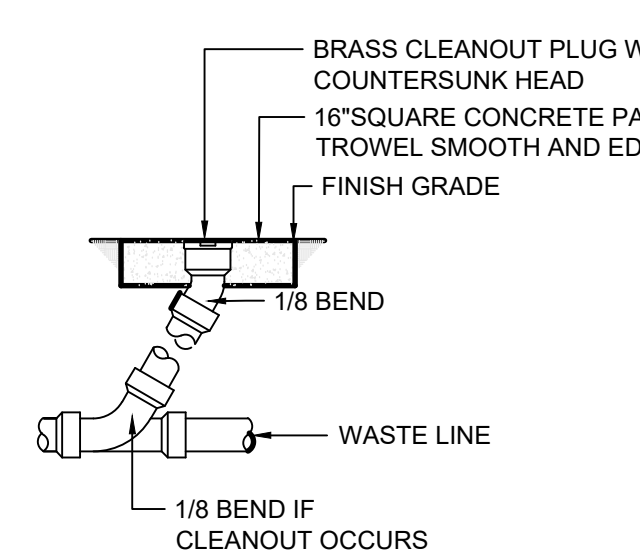
 TALLEY & SMITH ARCHITECTURE INC. CERT. NO. 50153 NORTH CAROLINA SHELBY, N.C.	SHEET TITLE:		DETAIL SECTIONS		A-10
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		
 ROBERT L. SMITH, III REGISTERED ARCHITECT NORTH CAROLINA SHELBY, N.C.	DES. Robert L. Smith, III		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA		NAVFAC DRAWING NO. 60024425
	DR. Steven C. Fender				
CHK. Robert L. Smith, III					
SUBMITTED BY:					
DESIGN DIR. T.H. Burton, P.E.					
APPROVED:		DATE	SIZE E1	CODE IDENT. NO. 80091	
SATISFACTORY TO:		DATE	SCALE: NOTED	SPEC. 05-17-0075	SHEET 17 OF 34

PLUMBING LEGEND

CA	COMPRESSED AIR PIPING
-----	DOMESTIC COLD WATER PIPING
-----	GAS PIPING (NAT. OR LP)
-----	SANITARY VENT PIPING
-----	SANITARY WASTE PIPING
-----	BACKFLOW PREVENTION DEVICE
-----	BALL VALVE
-----	EXTENT OF DEMOLITION
FD	FLOOR DRAIN
-----	GAS-REGULATOR VALVE
-----	SHUTOFF VALVE IN RISER
GCO	GRADE CLEANOUT
-----	HOSE BIBB
-----	WALL FAUCET
-----	PIPE ELBOW
-----	PIPE ELBOW DOWN
-----	PIPE ELBOW UP
-----	PIPE TEE
-----	PIPE TEE DOWN
-----	PIPE TEE UP
-----	DEMOLITION KEYED NOTE TAG
-----	NEW WORK KEYED NOTE
-----	POINT OF CONNECTION - NEW TO EXISTING
-----	PRESSURE REDUCING VALVE
WCO	WALL CLEANOUT
-----	SA WATER HAMMER ARRESTOR



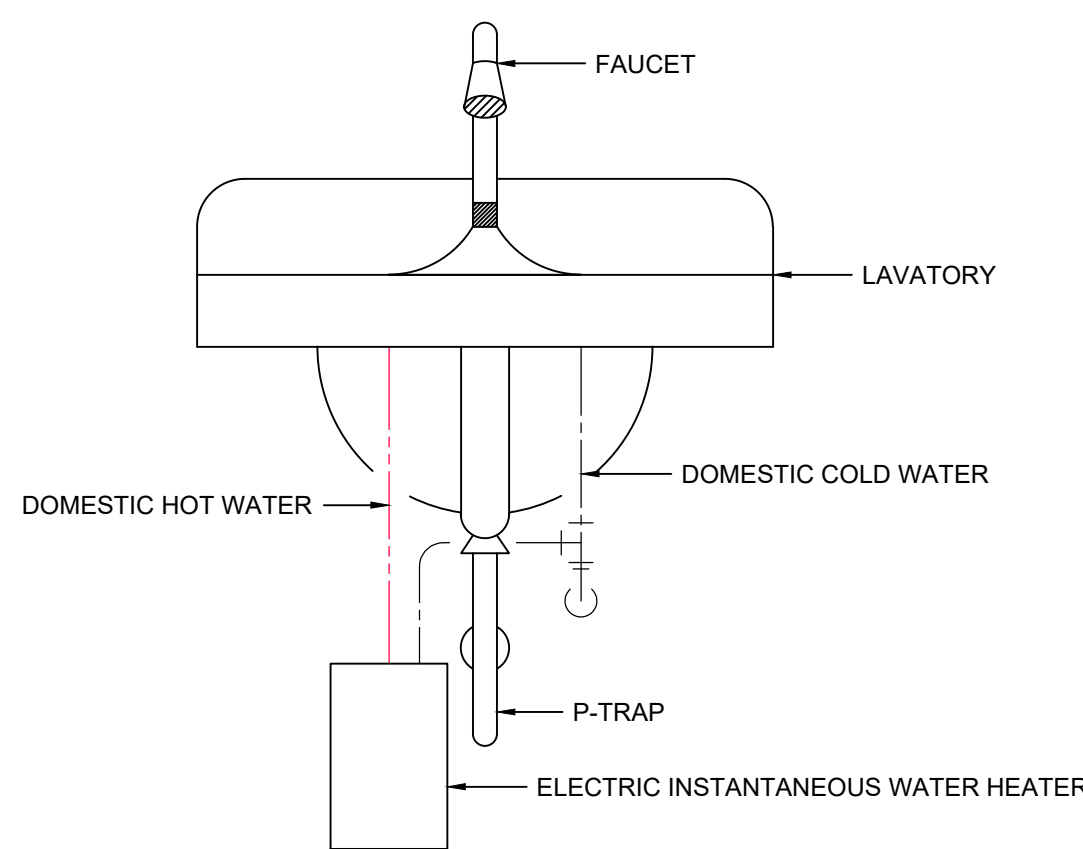
WALL CLEANOUT (WCO)



GRADE CLEANOUT (GCO)

1 CLEANOUT DETAILS

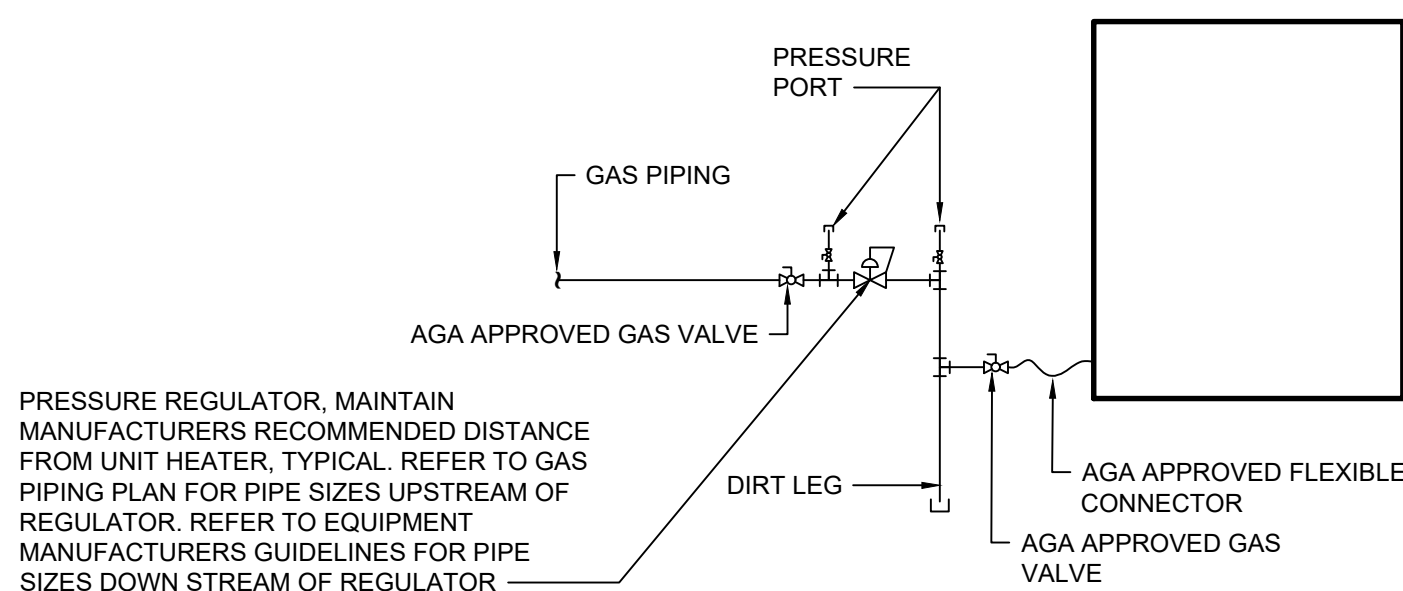
NOT TO SCALE



FLOOR

2 INSTANTANEOUS WATER HEATER DETAIL

NOT TO SCALE



3 GAS APPLINACE CONNECTION DETAIL

NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

DRAWING CODE	FIXTURE	DESCRIPTION	NOTES	PIPE SIZE	DCW	DHW	WASTE	VENT
WC1	FLUSH VALVE WATER CLOSET, FLOOR MTD., 1.6GPF	BOWL FLUSH VALVE SEAT 20x17 VITREOUS CHINA	16.5" HIGH BOWL, ELONGATED, V.C., 2-1/8" TRAPWAY, TOP SPUD 11.5" HIGH, 1.6GPF OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE, HEIGHT 17-19" AFF	3	1"	-	4"	2"
LAV1	COUNTERTOP LAVATORY, 0.5GPF	FAUCET DRAIN MIXING VALVE	4" CENTERSET, SINGLE LEVER HANDLE, SOLID BRASS CONSTRUCTION, CERAMIC CARTRIDGE, HIGH TEMP LIMIT STOP GRID STRAINER LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 90°F INSTALL ON HOT WATER SUPPLY, ASSE 1070	1,2,4	1/2"	1/2"	2"	2"
EW1	TANKLESS ELECTRIC WATER HEATER	FIXT	WALL MOUNTED TANKLESS WATER HEATER, 2.5kW, 208V/1PH		1/2"	1/2"	-	-
GCO	GRADE CLEANOUT	FIXT	C.I. BODY, RECESSED BRONZE PLUG.		-	-	MATCH	-
WCO	WALL CLEANOUT	FIXT	ROUND S/S ACCESS COVER & SCREW, RECESS BRONZE THRD. PLUG		-	-	MATCH	-
FD1	FLOOR DRAIN	FIXT	ADJUSTABLE, SCH. 40 HUB CONNECTION, ABS/PVC BASE ADAPTOR, NICKEL BRONZE CONDENSATE FUNNEL		-	-	MATCH	-
HB1	INTERIOR HOSE BIBB	FIXT	POLISHED CHROME, VACUUM BREAKER, WHEEL HANDLE, 3/4" HOSE THREAD		1/2"	-	-	-
WF1	EXTERIOR WALL FAUCET	FIXT	POWDER COATED, 3/4" HOSE THREAD, ANTI-SIPHON		3/4"	-	-	-
DCV	BACKFLOW PREVENTER	FIXT	DOUBLE CHECK VALVE, LEAD FREE		MATCH	-	-	-

NOTES

1. PROVIDE BRASS 1-1/2" TAILPIECE, CAST BRASS SLIP JOINT P-TRAP WITH CLEANOUT
2. COORDINATE WITH MILLWORK.
3. TRIP LEVER OR FLUSH HANDLE TO BE LOCATED ON WIDE SIDE OF STALL OR TOILET ROOM.
4. PROVIDE 1/2" IPS X 3/8" OD ANGLE BRASS STOP(S) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.

GAS LOAD SCHEDULE

FIXTURE TAG	DESCRIPTION	BTUH	RATING	QUANTITY	TOTAL
GUH01	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH02	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH03	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH04	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH05	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH06	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH07	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH08	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH09	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
GUH10	GAS-FIRED UNIT HEATER	30,000	1	1	30,000
TOTAL LOAD					300,000
BUILDING SERVICE GAS PRESSURE					2 psi

PLUMBING LOADS

WASTE (DRAINAGE FIXTURE UNITS)	5
WATER	20 GPM

PLUMBING ABBREVIATIONS

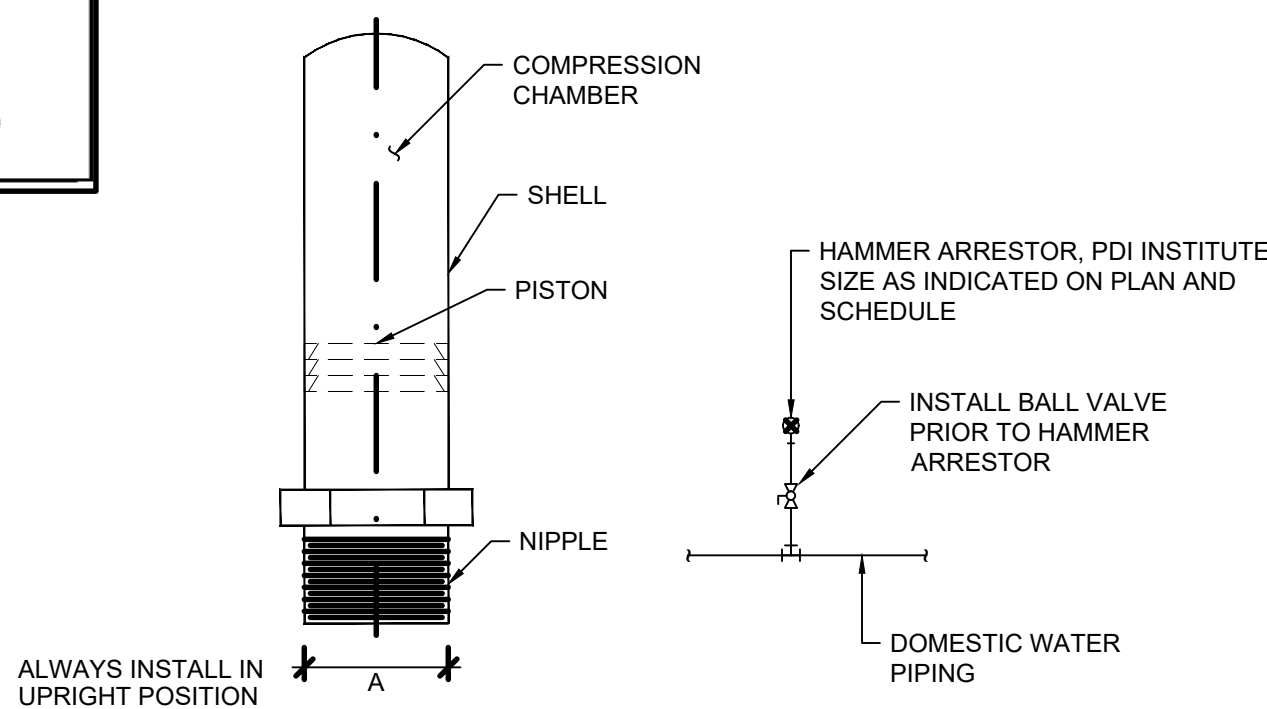
(X)	EXISTING
BRZ	BRONZE
CO	CLEANOUT
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
EW1	ELECTRIC WATER HEATER
FD	FLOOR DRAIN
GCO	GRADE CLEANOUT
GPF	GALLONS PER FLUSH
HB	HOSE BIBB
LAV	LAVATORY
NAT.	NATURAL GAS
O.F.L.C.	OPEN FRONT LESS COVER
SA	WATER HAMMER ARRESTOR
V	VENT
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WALL FAUCET

PLUMBING GENERAL NOTES

- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUIRED FOR PLUMBING SYSTEMS. LABOR AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYSTEMS SHOWN ON DIAGRAMATIC DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN THE PLUMBING INSTALLER UNLESS OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTALLATION. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES TO OBTAIN FULLY FUNCTIONING PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INsofar AS THEY APPLY:
INTERNATIONAL PLUMBING CODE
- SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COMPLETION AND FINAL INSPECTION.
- PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.
- COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADES. VERIFY ACTUAL BUILDING STRUCTURE PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, PIPING, ETC. AS REQUIRED TO PROPERLY INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRANGEMENT AND TO FACILITATE PROPER MAINTENANCE AND SERVICING OF EQUIPMENT.
- LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AGENCY WHERE REQUIRED.
- RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES
- BUILDINGS AND CONSTRUCTION:
 - BUILDING LAYOUT INDICATED IS DEVELOPED FROM EXISTING RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. VERIFY ALL EXISTING CONDITIONS AND ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
 - PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
 - DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM CONTRACTING OFFICER. PROVIDE CUTTING AND PATCHING FOR EXISTING FINISHES AS REQUIRED.
 - COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST ARRANGEMENTS AS REQUIRED TO ACCOMMODATE INTERFERENCES.

PLUMBING DEMOLITION NOTES

- THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUIREMENTS AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSORIES, ETC. MADE OBSOLETE BY THESE ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOWN, HOWEVER, THIS CONTRACTOR SHALL REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE CONTRACTING OFFICER. SURVEY THE AFFECTED AREAS BEFORE SUBMITTING A BID.
- ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED.
- THESE DRAWINGS ARE COMPILED BY THE CONTRACTING OFFICER FROM LIMITED FIELD VERIFICATION OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE PLUMBING CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITIONS AFFECTING HIS WORK.
- WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL REMAIN OR BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE CONTRACTING OFFICER IMMEDIATELY IF SUCH CONDITIONS ARE UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.
- PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN THEM IN OPERATION THROUGHOUT THE PROGRESS OF THE WORK. NOTIFY THE OWNER AND CONTRACTING OFFICER IN WRITING WHEN SHUTDOWNS ARE REQUIRED PRIOR TO ANY OUTAGE OF SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE CONTRACTING OFFICER, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN SERVICE.
- SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID. AS ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DEPICTED ON THE DRAWINGS AND SOME UNUSUAL CONDITIONS MAY EXIST.




JOSAM NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	A SIZE
7501-S	A	1-11	1/2
7502-S	B	12-32	3/4
7503-S	C	33-60	1
7504-S	D	61-113	1 1/4
7505-S	E	114-154	1 1/2
7506-S	F	155-330	2

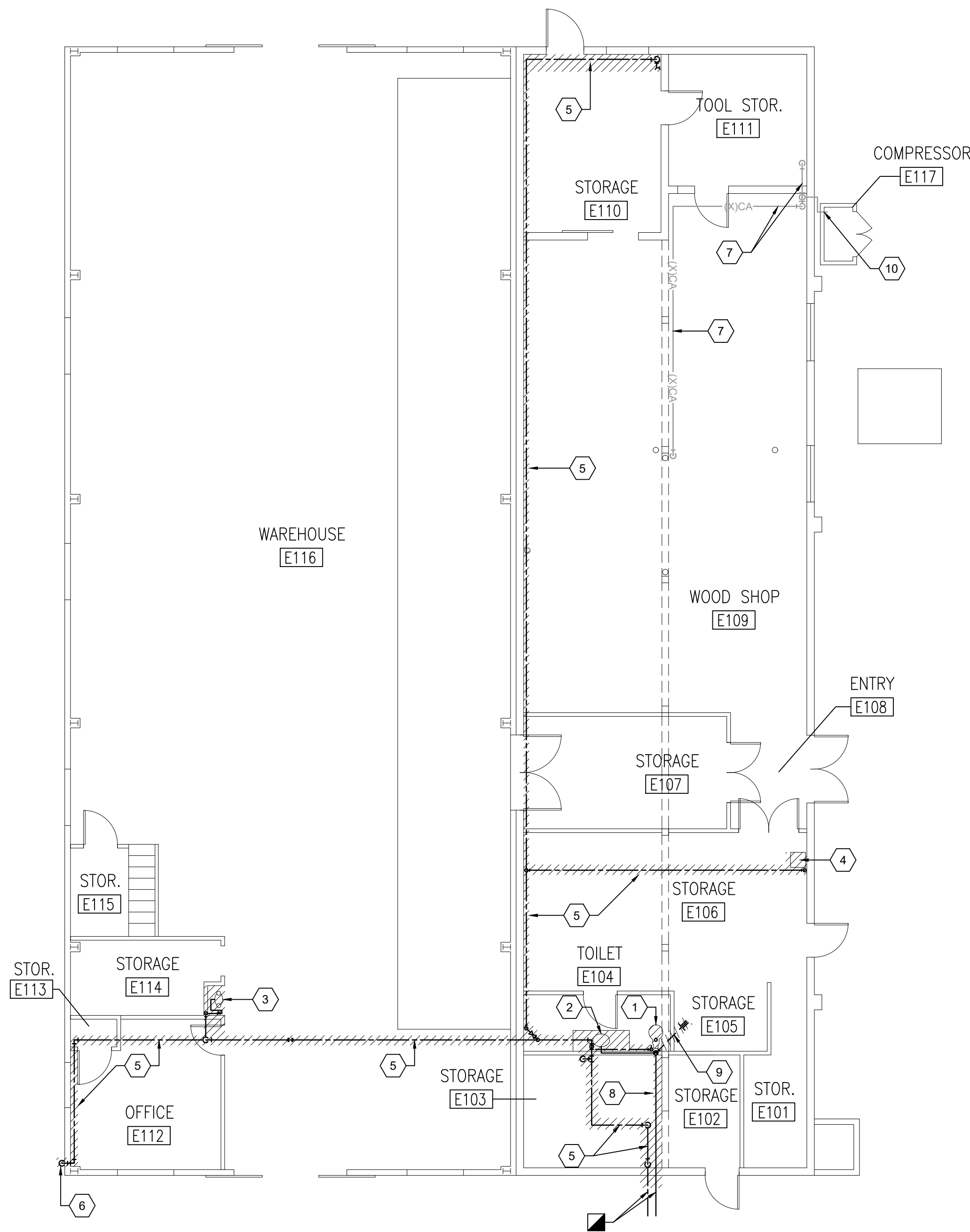
4 HAMMER ARRESTOR DETAIL AND SCHEDULE

NOT TO SCALE

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

<div>CBHF Engineers, PLLC</div> <div>2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfengineers.com</div> <div><small>Copyright 2018 State of North Carolina, P.L.L.C. NC-18-004</small></div>	SHEET TITLE: SCHEDULE, LEGEND, LOADS ABBREVIATIONS AND DETAILS		P-1		
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		
	DES. JBS		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA		
	DR. JBS				
	CHK. DMH				
	SUBMITTED BY:				
	DESIGN DIR. T H BURTON, PE				
	APPROVED:				
SATISFACTORY TO:		DATE	SIZE F	CODE IDENT. NO. 80091	NAVFAC DRAWING NO. 60024426
		DATE	SCALE: NOTED	SPEC. 05-17-0075	SHEET 18 OF 34
			CONST. CONTR. NO. N40085-17-D-0859		
JULY 27, 2018					

REVISIONS			
SYM.		DATE	APPROVED



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

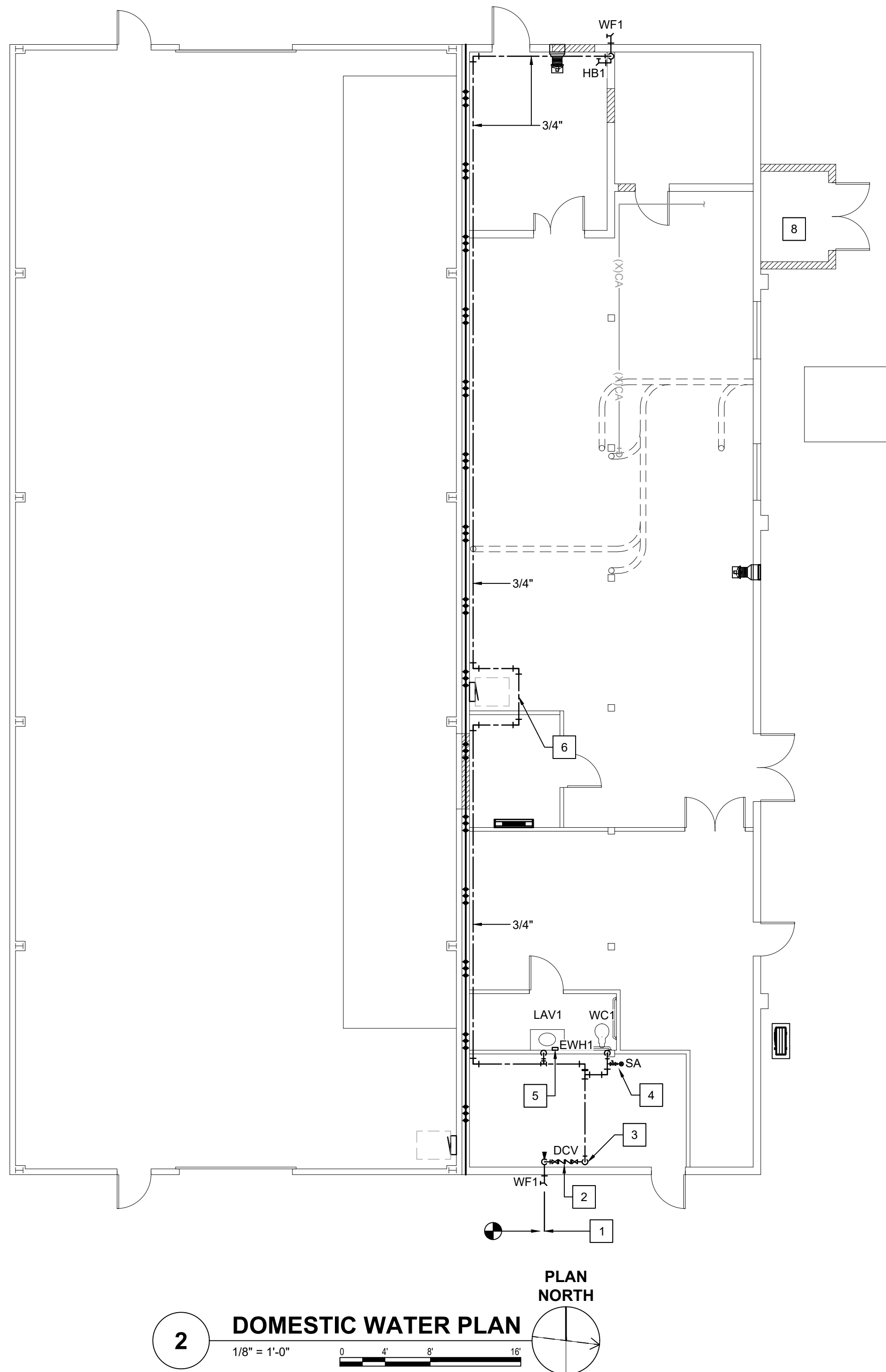
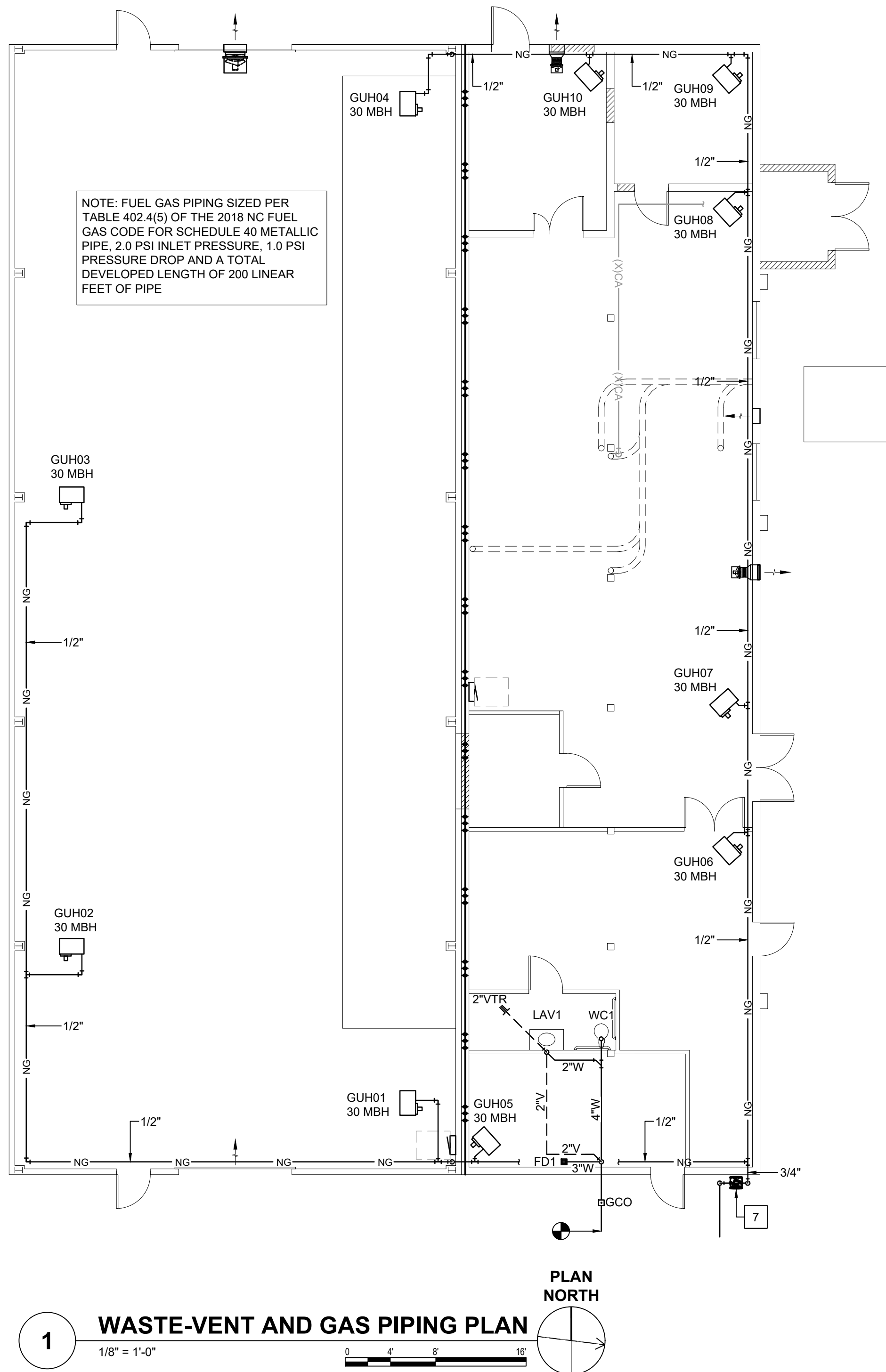
DEMOLITION KEYED NOTES

- 1 REMOVE AND PROPERLY DISPOSE OF (X) WATER CLOSET, FLUSH VALVE AND ASSOCIATED PIPING.
- 2 REMOVE AND PROPERLY DISPOSE OF (X) LAVATORY, FAUCET, TRIM AND ASSOCIATED PIPING.
- 3 REMOVE AND PROPERLY DISPOSE OF (X) EYEWASH/ SAFETY SHOWER ASSOCIATED PIPING.
- 4 REMOVE AND PROPERLY DISPOSE OF (X) WATER COOLER, TRIM AND ASSOCIATED PIPING.
- 5 REMOVE AND PROPERLY DISPOSE OF (X) DCW PIPING, VALVES AND ACCESSORIES COMPLETE.
- 6 CUT AND CAP (X) PIPING AT GRADE.
- 7 (X) COMPRESSED AIR PIPING TO BE PROTECTED AND REMAIN IN PLACE
- 8 REMOVE AND PROPERLY DISPOSE OF (X) SANITARY SEWER PIPING. CONTRACTOR TO VERIFY LOCATION OF PIPING.
- 9 REMOVE AND PROPERLY DISPOSE OF (X) VENT PIPING AND VENT THRU ROOF.
- 10 DISCONNECT (X) COMPRESSED AIR PIPING AT (X) AIR COMPRESSOR TO BE REMOVED DURING CONSTRUCTION.

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

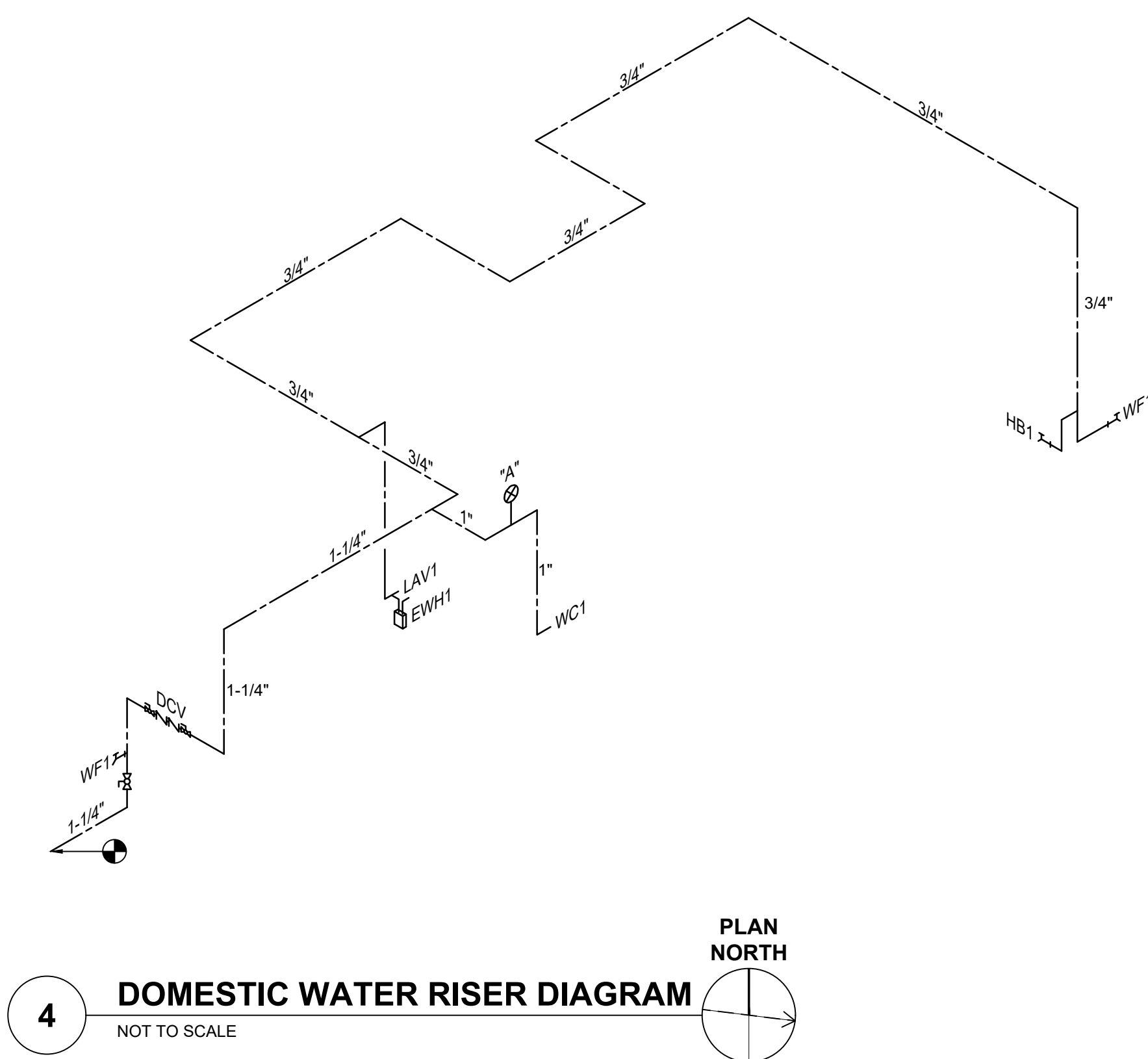
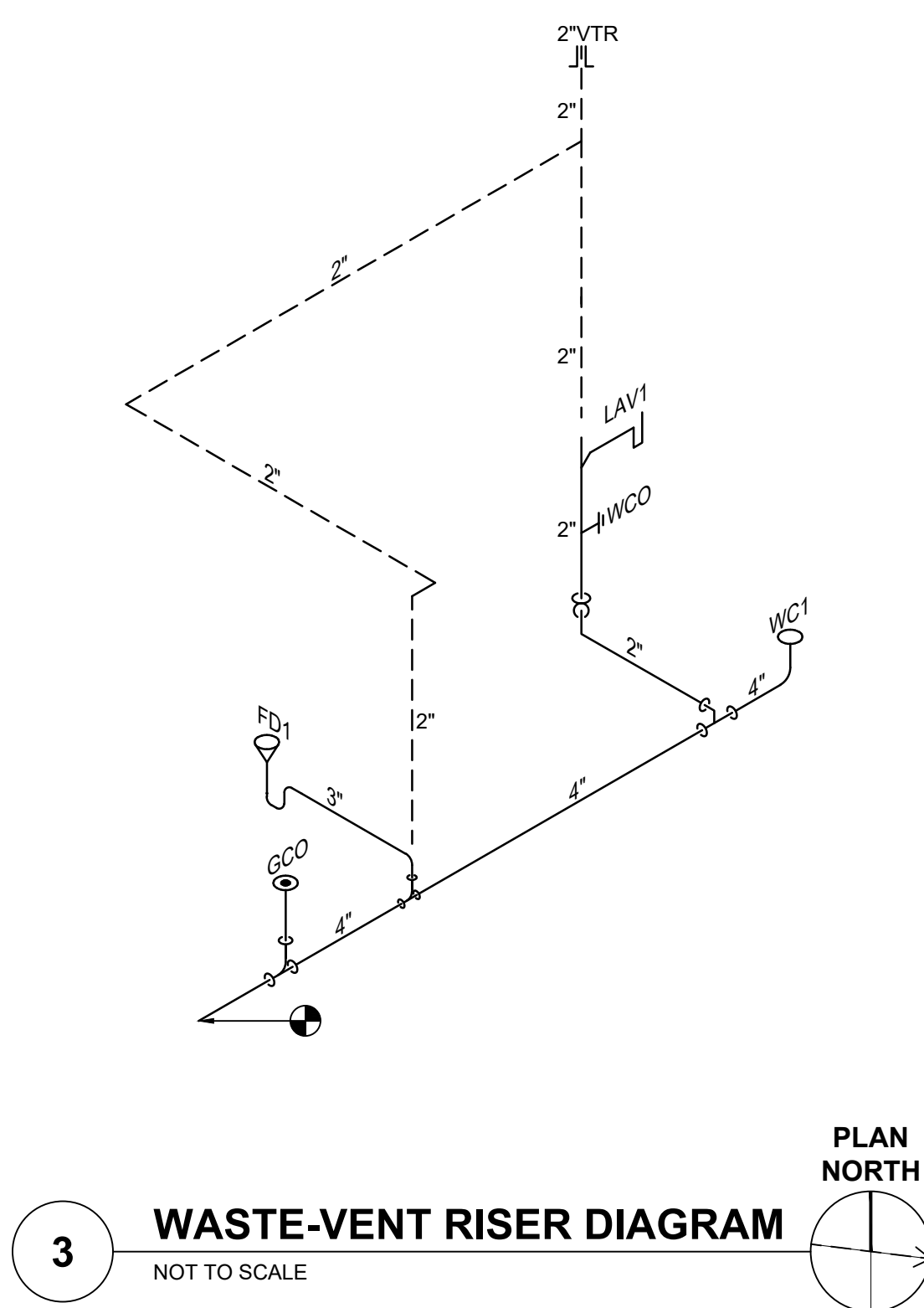
CBHF Engineers, PLLC 2246 Yeupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenigneers.com	SHEET TITLE: PLUMBING DEMOLITION FLOOR PLAN		P-2			
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARRION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
	DES. JBS	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA				
	DR. JBS					
	CHK. DMH					
	SUBMITTED BY:					
	DESIGN DIR. T H BURTON, PE					
	APPROVED:	DATE	SIZE F	CODE IDENT. NO. 80091		
	SATISFACTORY TO:	DATE	SCALE: NOTED	NAVFAC DRAWING NO. 60024427		
				CONST. CONTR. NO. N40085-17-D-0859		
JULY 27, 2018				SHEET 19 OF 34		

REVISIONS			
SYM.		DATE	APPROVED



CONSTRUCTION KEYED NOTES

1. INSTALL NEW 1-1/4" DCW SERVICE.
2. INSTALL NEW 1-1/4" RPZ BACKFLOW PREVENTER. PIPE DRAIN FROM BACKFLOW PREVENTER TO FLOOR DRAIN.
3. ROUTE 1-1/4" DCW PIPING UP ALONG WALL AND ROUTE OVERHEAD.
4. INSTALL HAMMER ARRESTOR ON SUPPLY LINE TO WATER CLOSET.
5. INSTALL INSTANTANEOUS WATER HEATER. SEE PLUMBING FIXTURE SCHEDULE.
6. OFFSET DCW PIPING SO AS NOT TO ROUTE OVER TOP OF ELECTRICAL PANEL.
7. GAS METER AND REGULATOR SIZED TO DELIVER 300 MBH @ 2PSI BY GAS SUPPLIER.
8. EXTEND AND RECONNECT COMPRESSED AIR PIPING TO (X) AIR COMPRESSOR IN NEW ENCLOSURE.



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yeupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfindengineers.com	SHEET TITLE: PLUMBING PLANS AND RISER DIAGRAMS		P-3			
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST HARRISON ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
	DES. JBS	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA				
	DR. JBS					
	CHK. DMH					
	SUBMITTED BY:					
	DESIGN DIR. T.H. BURTON, PE					
	APPROVED:	DATE	SIZE F	CODE IDENT. NO. 80091		
	SATISFACTORY TO:	DATE	SCALE: NOTED	NAVJAC DRAWING NO. 20024428		
			SPEC. 05-17-0075	CONST. CONTR. NO. N40085-17-D-0859 SHEET 20 OF 34		

ABBREVIATIONS

TERM	ABBREVIATION	TERM	ABBREVIATION
ABOVE FINISHED FLOOR	AFF	INDOOR UNIT	IDU
ABOVE GROUND	AG	IRON PIPE SIZE	IPS
ABOVE SEA LEVEL	ASL	KILOVOLT-AMP	KVA
ACROSS THE LINE	ACL	KILOWATT	KW
AIR ADMITTANCE VALVE	AAV	KILOWATT HOUR	KWH
AIR CONDITIONING (-ED)	AIR COND	LEAVING AIR TEMPERATURE	LAT
AIR HANDLING UNIT	AHU OH AH	LEAVING WATER TEMPERATURE	LWT
AIR FLOW MEASURING STATION	AFMA	LENGTH	LG
AMBIENT	AMB	LINEAR FEET	LF
AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI	LOW-PRESSURE STEAM	LPS
AMPERE (AMP, AMPS)	AMP	MAXIMUM	MAX
ANALOG INPUT	AI	MAXIMUM OVERCURRENT PROTECTION	MOCP
ANALOG OUTPUT	AO	MEDIUM-PRESSURE STEAM	MPS
AND	&	MILES PER HOUR	MPH
APPARATUS DEW POINT	ADP	MINIMUM	MIN.
APPROXIMATE	APPROX	MINIMUM CIRCUIT AMPERES	MCA
ARCHITECT	ARCH	MINUTE	MIN
ATMOSPHERE	ATM	MANUFACTURER	MFR
AVERAGE	AVG	MOTOR CONTROL CENTER	MCC
BRAKE HORSEPOWER	BHP	NOISE CRITERIA	NC
BROWN & SHARPE WIRE GAGE	B&S	NON-STANDARD PART LOAD	NPLV
BRITISH THERMAL UNIT	BTU	NORMALLY OPEN	NO
BRITISH THERMAL UNIT PER HOUR	BTUH	NORMALLY CLOSED	NC
1000 BRITISH THERMAL UNIT	MBH	NOT APPLICABLE	N/A
BUILDING	BLDG	NOT IN CONTRACT	N I C
BUILDING AUTOMATION SYSTEM	BAS	NOT TO SCALE	NTS
CELSIUS	°C	NUMBER	NO
CHILLED WATER RETURN	CHWR	ON CENTER	OC
CHILLED WATER SUPPLY	CHWS	OUNCE	OZ
COEFFICIENT, VALVE FLOW	CV	OUTDOOR UNIT	ODU
COEFFICIENT OF PERFORMANCE FACTOR	COP	OUTSIDE AIR	OA
COMPRESSOR	COMP	PACKAGE UNIT	PU
CONCRETE	CONC	PACKAGE TERMINAL AIR CONDITIONER	PTAC
CONDENSER (-ING, -ATION)	COND	PARTS PER MILLION	PPM
CONNECTION	CONN	PERCENT	%
CONTINUATION	CONT	PHASE	PH
COOLING LOAD	CLG LOAD	POUNDS	LBS
CUBIC FEET	CU FT	POUNDS PER SQUARE FOOT	PSF
CUBIC INCH	CU IN	POWER VENTILATOR	PV
CUBIC FEET PER MINUTE	CFM	PRESSURE	PRESS
CFM, STANDARD CONDITIONS	SCFM	PRESSURE REDUCING VALVE	PRV
DECIBEL	DB	PRESSURE SAFETY VALVE	PSV
DEGREE	DEG OR °	QUANTITY	QTY
DEDICATED OUTDOOR AIR SYSTEM	DOAS	RATED LOAD AMPS	RLA
DEGREES FAHRENHEIT	DEG. F	RECIRCULATE	RECIRC
DETAIL	DET	REDUCED PRESSURE BACKFLOW PREVENTER	RPZ
DEW-POINT TEMPERATURE	DPT	REFRIGERANT (12, 22, ETC.)	R22, R410
DIAMETER	DIA	REFRIGERANT LIQUID	RL
DIAMETER, INSIDE	ID	REFRIGERANT SUCTION	RS
DIAMETER, OUTSIDE	OD	REQUIRED	REQD OR REQ'D
DIFFERENCE OR DELTA	DIFF	RELATIVE HUMIDITY	RH
DIGITAL INPUT	DI	RETURN AIR	RA
DIGITAL OUTPUT	DO	REVOLUTIONS PER MINUTE	RPM
DOMESTIC HOT WATER	DHW	REVOLUTIONS PER SECOND	RPS
DOMESTIC HOT WATER RECIRCULATION	DHWR	ROOF VENTILATOR	RV
DRY-BULB TEMPERATURE	DBT	ROOF TOP UNIT	RTU
DUCTLESS SPLIT SYSTEM AIR HANDLER	DAH	SAFETY FACTOR	SF
DUCTLESS SPLIT SYSTEM HEAT PUMP	DHP	SEASONAL ENERGY EFFICIENCY RATIO	SEER
ENERGY EFFICIENCY RATING	ERR	SECOND	S
EFFICIENCY	EFF	SHADING COEFFICIENT	SC
ELECTRIC UNIT HEATER	EUH	SPECIFICATION	SPEC
ELEVATION	EL	SQUARE	SQ
ENTERING	ENT	STANDARD	STD
ENTERING WATER TEMPERATURE	EWI	STATIC PRESSURE	SP
ENTERING AIR TEMPERATURE	EAT	SUPPLY	SPLY
EXISTING	(X)	SUPPLY AIR	SA
EXTERNAL AMBIENT TEMPERATURE	EAT	TEMPERATURE	TEMP
EXTERNAL STATIC PRESSURE	ESP	TEMPERATURE DIFFERENCE	TD
EXHAUST AIR	EA	THERMOSTAT	T STAT
FACE VELOCITY	FVEL	TONS OF REFRIGERATION	TONS
FAHRENHEIT	°F	TO BE DETERMINED	TBD
FEET PER MINUTE	FPM	TOP OF STEEL	TOS
FEET PER SECOND	FPS	TOTAL DYNAMIC HEAD	TDH
FLOOR	FLR	TYPICAL	TYP
FOOT OR FEET	FT	U-FACTOR	U
FULL LOAD AMPS	FLA	UNDER GROUND	UG
GAGE OR GAUGE	GA	UNLESS OTHERWISE NOTED	UNO
GALLONS	GAL	UNIT HEATER - ELECTRIC	UH
GALLONS PER HOUR	GPH	VARIABLE AIR VOLUME	VAV
GALLONS PER MINUTE	GPM	VARIABLE FREQUENCY DRIVE	VFD
GALLONS PER DAY	GPD	VELOCITY	VEL
GAS UNIT HEATER	GUH	VENTILATION, VENT	VENT
GRAINS	GR	VENT THRU ROOF	VTR
HEAD	HD	VERTICAL	VERT
HEAT EXCHANGER	HX	VOLT	V
HEATING AND VENTILATION UNIT	HV	VOLT AMPERE	VA
HEATING, VENTILATION AND AIR CONDITIONING	HVAC	VOLUME	VOL
HEIGHT	HGT	WATER PRESSURE DROP	WPD
HERTZ	HZ	WATER GAUGE	WG
HIGH DENSITY POLYPROPYLENE	HDPE	WATT	W
HIGH-PRESSURE STEAM	HPS	WATT-HOUR	WH
HORSEPOWER, HEAT PUMP	HP	WITH	WT
HOT WATER COIL	HWC	WEIGHT	WT
HOUR(S)	HR	WET BULB	WB
HUMIDITY, RELATIVE	RH	YARD	YD
INTEGRATED PART LOAD VALUES	IPLV	YEAR	YR
INCH	IN.		
INCH OF WATER GAUGE	INWG		

NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

MECHANICAL LEGEND

	EMERGENCY GAS SHUT OFF
	THERMOSTAT/TEMP SENSOR
	DUCT SMOKE DETECTOR
	HEATING HOT WATER SUPPLY
	HEATING HOT WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	REFRIGERANT PIPING
	CONDENSATE PIPING
	CHEMICAL FEED SUPPLY
	CHEMICAL FEED RETURN
	EXISTING 1-HR RATED WALL
	FIRE DAMPER
	COMBINATION FIRE SMOKE DAMPER
	VOLUME DAMPER
	MOTORIZED DAMPER
	CIRCUIT SETTER
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	ELBOW SIDE
	ELBOW UP
	ELBOW DOWN
	45 DEGREE ELBOW SIDE
	45 DEGREE ELBOW DOWN
	45 DEGREE ELBOW UP
	TEE SIDE
	TEE BRANCH DOWN
	TEE END UP
	PUMP SIDE
	PUMP END
	BUTTERFLY VALVE SIDE
	GATE VALVE SIDE
	BALL VALVE SIDE
	CHECK VALVE SIDE
	TRIPLE DUTY VAVLE
	WELD NECK FLANGE SIDE
	WELD NECK FLANGE END
	SLIP ON FLANGE SIDE
	SLIP ON FLANGE END

MECHANICAL DEMOLITION NOTES

- THE MECHANICAL CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUIREMENTS AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL EQUIPMENT, DUCTWORK, SUPPORTS, CONTROLS, ACCESSORIES, ETC., AND MECHANICAL ITEMS MADE OBSOLETE BY THESE ALTERATIONS AS SHOWN IN THE MECHANICAL DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOWN, HOWEVER, THIS CONTRACTOR SHALL REMOVE ANY MECHANICAL WORK AS REQUIRED BY THE CONSTRUCTION.
- PREPARE A DEMOLITION PLAN AND SUBMIT PROPOSED DEMOLITION, AND REMOVAL PROCEDURES FOR APPROVAL BEFORE WORK IS STARTED. PLAN SHALL BE APPROVED BY CONTRACTING OFFICER PRIOR TO WORK BEGINNING. DO NOT BEGIN DEMOLITION UNTIL AUTHORIZATION IS RECEIVED FROM THE CONTRACTING OFFICER.
- BEFORE BEGINNING ANY DEMOLITION WORK, SURVEY THE SITE AND EXAMINE THE DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF THE WORK, RECORD EXISTING CONDITIONS IN THE PRESENCE OF THE CONTRACTING OFFICER SHOWING THE CONDITION OF STRUCTURES AND OTHER FACILITIES ADJACENT TO AREAS OF ALTERATION OR REMOVAL. PHOTOGRAPHS SIZED 4 INCH WILL BE ACCEPTABLE AS A RECORD OF EXISTING CONDITIONS, INCLUDE IN THE RECORD THE ELEVATION OF THE TOP OF FOUNDATION WALLS, FINISH FLOOR ELEVATIONS, POSSIBLE CONFLICTING ELECTRICAL CONDUITS, PLUMBING LINES, ALARMS SYSTEMS, THE LOCATION AND EXTENT OF EXISTING CRACKS AND OTHER DAMAGE AND DESCRIPTION OF SURFACE CONDITIONS THAT EXIST PRIOR TO BEFORE STARTING WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND DOCUMENT ALL REQUIRED OUTAGES WHICH WILL BE REQUIRED DURING THE COURSE OF WORK, AND TO NOTE THESE OUTAGES ON THE RECORD DOCUMENT. SUBMIT SURVEY RESULTS.
- EXCEPT FOR SALVAGED ITEMS, AND FOR MATERIALS OR EQUIPMENT SCHEDULED FOR SALVAGE, ALL MATERIALS AND EQUIPMENT REMOVED AND NOT REUSED OR SALVAGED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM GOVERNMENT PROPERTY. TITLE TO MATERIALS RESULTING FROM DEMOLITION AND DECONSTRUCTION, AND MATERIALS AND EQUIPMENT TO BE REMOVED, IS VESTED IN THE CONTRACTOR UPON APPROVAL BY THE CONTRACTING OFFICER OF THE CONTRACTOR'S DEMOLITION, DECONSTRUCTION, AND REMOVAL PROCEDURES, AND AUTHORIZATION BY THE CONTRACTING OFFICER TO BEGIN DEMOLITION AND DECONSTRUCTION. THE GOVERNMENT WILL NOT BE RESPONSIBLE FOR THE CONDITION OR LOSS OF, OR DAMAGE TO, SUCH PROPERTY AFTER CONTRACT AWARD, SHOWING FOR SALE OR SELLING MATERIALS AND EQUIPMENT ON SITE IS PROHIBITED.
- THESE DRAWINGS ARE COMPILED BY THE ENGINEER FROM THE OWNER'S RECORD DRAWINGS AND LIMITED FIELD VERIFICATION OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY ALL DUCTWORK, EQUIPMENT LOCATIONS, DIMENSIONS AND ALL FIELD CONDITIONS AFFECTING HIS WORK.
- WHERE MECHANICAL SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL REMAIN OR BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE CONTRACTING OFFICER IMMEDIATELY IF SUCH CONDITIONS ARE UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.
- DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY THE CONTRACTING OFFICER. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE GOVERNMENT EXCEPT WHEN APPROVED IN WRITING AND THEN ONLY AFTER TEMPORARY UTILITY SERVICES HAVE BEEN APPROVED AND PROVIDED. DO NOT BEGIN DEMOLITION OR DECONSTRUCTION WORK UNTIL ALL UTILITY DISCONNECTIONS HAVE BEEN MADE, SHUT OFF AND CAP UTILITIES FOR FUTURE USE AS INDICATED. TEMPORARY SERVICES INCLUDING BUILDING HEAT AND HEATING OF DOMESTIC WATER SHALL BE REQUIRED WHEN ANY INTERRUPTION OF SUCH SERVICES EXCEEDS 12 HOURS EXCEPT WHEN AUTHORIZED IN WRITING BY THE CONTRACTOR OFFICER.

GAS-FIRED UNIT HEATER SCHEDULE

DRAWING CODE	FUEL	TYPE	COMBUSTION / CONTROL	VENTING	GAS INPUT (BTUH)	OUTPUT (BTUH)	EFF. (%)	FLUE OUTLET (IN)	MIN. AIRFLOW (CFM)	MOTOR HP	RPM	V/PH/Hz	VOLTAJE (AMPS)	FLA (AMPS)	MCA (AMPS)	MOCP (AMPS)	MAX. MTG. HEIGHT (FT.)	NOTES	ACCESSORIES
GUH01-10	NATURAL GAS	FAN	COMBUSTION / CONTROL	VENTING	30,000	24,600	80	3	505	1/15	1550	120/1/60	3.7	4.625	15	10.0	1.2	A,B	

- NOTES:
- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
 - VENT IN ACCORDANCE WITH BUILDING CODE AND MANUFACTURER'S INSTRUCTIONS.

ACCESSORIES:

- SINGLE STAGE THERMOSTAT.
- AGA APPROVED REGULATOR, 2PSI TO 12".

LOUVER SCHEDULE

DRAWING CODE	TYPE	FRAME	DESCRIPTION	MATERIAL	LOUVER DEPTH (IN.)	SIZE (W x H) (IN.)	FRAME	SERVICE	AIRFLOW (CFM)	PERFORMANCE RATINGS FREE AREA (SF)	WATER PENETRATION (OZ./SF)	NOTES	ACCESSORIES
L1	FIXED	EXTERIOR FLANGE	HORIZONTAL, WIND-DRIVEN-RAIN-RESISTANT	ALUMINUM	5	16 X 16	STANDARD	INTAKE	175	0.83	-	1.2	A, B
L2	FIXED	EXTERIOR FLANGE	HORIZONTAL, WIND-DRIVEN-RAIN-RESISTANT	ALUMINUM	5	16 X 16	STANDARD	EXHAUST	175	0.83	-	1.2	A, B
L3	FIXED	EXTERIOR FLANGE	HORIZONTAL, WIND-DRIVEN-RAIN-RESISTANT	ALUMINUM	5	32 X 32	FLANGED	EXHAUST	1,200	2.72	-	1.2	A, B
L4	FIXED	EXTERIOR FLANGE	HORIZONTAL, WIND-DRIVEN-RAIN-RESISTANT	ALUMINUM	5	32 X 32	FLANGED	INTAKE	1,200	2.72	-	1.2	A, B
L5	FIXED	EXTERIOR FLANGE	HORIZONTAL, WIND-DRIVEN-RAIN-RESISTANT	ALUMINUM	5	16 X 16	STANDARD	EXHAUST	175	0.83	-	1.2	A, B
L6	FIXED	EXTERIOR FLANGE	HORIZONTAL, WIND-DRIVEN-RAIN-RESISTANT	ALUMINUM	5	16 X 16	STANDARD	EXHAUST	75	0.83	-	1.2	A, B

- NOTES:
- REFER TO SPECIFICATION 080100 - METAL WALL LOUVERS FOR ADDITIONAL INFORMATION.
 - FINISH AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLOR AND GLOSS.

ACCESSORIES:

- BIRD SCREENING (MATERIAL TO MATCH LOUVER MATERIAL).
- GRAVITY BACKDRAFT DAMPER, SEACOAST CONSTRUCTION.

DUCTLESS SPLIT SYSTEM SCHEDULE

DRAWING CODE	ARI COOLING 80/67/95	ARI HEATING 70/47	MIN SEER	MIN HSPF	INDOOR UNIT			OUTDOOR UNIT				REFRIGERANT PIPING				NOTES	ACCESSORIES
	TOTAL MIN (MBH)	TOTAL MAX (MBH)			FAN SA (CFM)	ELECTRICAL VOLTAGE (V/PH/Hz)	MCA (AMPS)	WEIGHT (LBS)	ELECTRICAL VOLTAGE (V/PH/Hz)	MCA (AMPS)	MOCP (AMPS)	WEIGHT (LBS)	MAXIMUM LENGTH (FT.)	MAXIMUM HEIGHT DIFFERENTIAL (FT.)			
(IDU) / (DDU) DAH01 / DHP01	10.00	9.00	10.90	17.0	9.0	170-399	208/1/60	1.4	22	208/1/60	12	15	73	65	40	1	A,B,C,D
NOTES:																	
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.																	
ACCESSORIES:																	
A. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTOR FROM OUTDOOR UNIT TO INDOOR UNIT.																	
B. SEACOAST COATING PROTECTION ON OUTDOOR UNIT.																	
C. CONCRETE PAD.																	
D. WIRED WALL-MOUNTED REMOTE CONTROLLER WITH VANDAL PROOF ENCLOSURE.																	

- NOTES:
- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

ACCESSORIES:

- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTOR FROM OUTDOOR UNIT TO INDOOR UNIT.
- SEACOAST COATING PROTECTION ON OUTDOOR UNIT.
- CONCRETE PAD.
- WIRED WALL-MOUNTED REMOTE CONTROLLER WITH VANDAL PROOF ENCLOSURE.

POWER VENTILATOR SCHEDULE

DRAWING CODE	FAN TYPE	SERVICE	CAPACITIES			ELECTRICAL			SONES	WEIGHT (LBS.)	NOTES	ACCESSORIES
			AIRFLOW (CFM)	ESP (IN. WG.)	DRIVE ARRANGEMENT	MOTOR RPM	MOTOR TYPE	V/PH/Hz				
PV01	PROPELLER FAN	EXHAUST	1,200	0.25	DIRECT	1,076	ECM	1/2 HP 120/160	10.4	64	1.2	A,B,C
PV02	PROPELLER FAN	EXHAUST	175	0.20	DIRECT	1,550	ECM	1/4 HP 120/160	6.3	25	1.2	A,B,C
PV03	PROPELLER FAN	EXHAUST	175	0.20	DIRECT	1,550	ECM	1/4 HP 120/160	6.3	25	1.2	A,B,C
PV04	IN-LINE CENTRIFUGAL FAN	EXHAUST	75	0.25	DIRECT	950	ECM	0.62A 120/160	4.6	30	1.2	B

- NOTES:
- REFER TO SPECIFICATION FOR FURTHER INFORMATION.
 - MOUNT AT ELEVATION INDICATED ON ARCHITECTURAL DRAWINGS.

ACCESSORIES:

- BIRDSCREEN.
- ON/OFF SWITCH LOCATED PER ELECTRICAL PLANS.
- WALL HOUSING FOR INTAKE SCREEN, FAN, BACKDRAFT DAMPER SPECIFIED WITH LOUVER AND LOUVER.

GRILLE SCHEDULE

DRAWING CODE	TYPE	SERVICE	NECK SIZE (IN.)	BRANCH CONN. SIZE (IN.)	MODULE SIZE (IN.)	MATERIAL	FINISH	MOUNTING	NOTES	ACCESSORIES
EG01	FIXED FACE GRILLE	EXHAUST	10X10	6"0	10X10	ALUMINUM	WHITE	WALL SURFACE	1.2	A

- NOTES:
- REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

2. DUCT BRANCH CONNECTION SIZE TO BE EQUAL TO THE NECK SIZE OF DIFFUSER UNLESS NOTED OTHERWISE ON PLANS.

ACCESSORIES:

- CONCEALED MOUNTING BRACKET.

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfindengineers.com		SHEET TITLE: MECHANICAL NOTES SCHEDULES, ABBREVIATIONS AND LEGEND		M-1	
TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		DES. RWC DR. RWC CHK. DMH SUBMITTED BY: DESIGN DR. T H BURTON, PE	
APPROVED:		DATE:		SIZE: F	
SATISFACTORY TO:		DATE:		CODE IDENT. NO. 80091	
SCALE: NOTED		SPEC. 05-17-0075		NAVFAC DRAWING NO. 60024429	
JULY 27, 2018		CONST. CONTR. NO. N40085-17-D-0859		SHEET 210f 34	

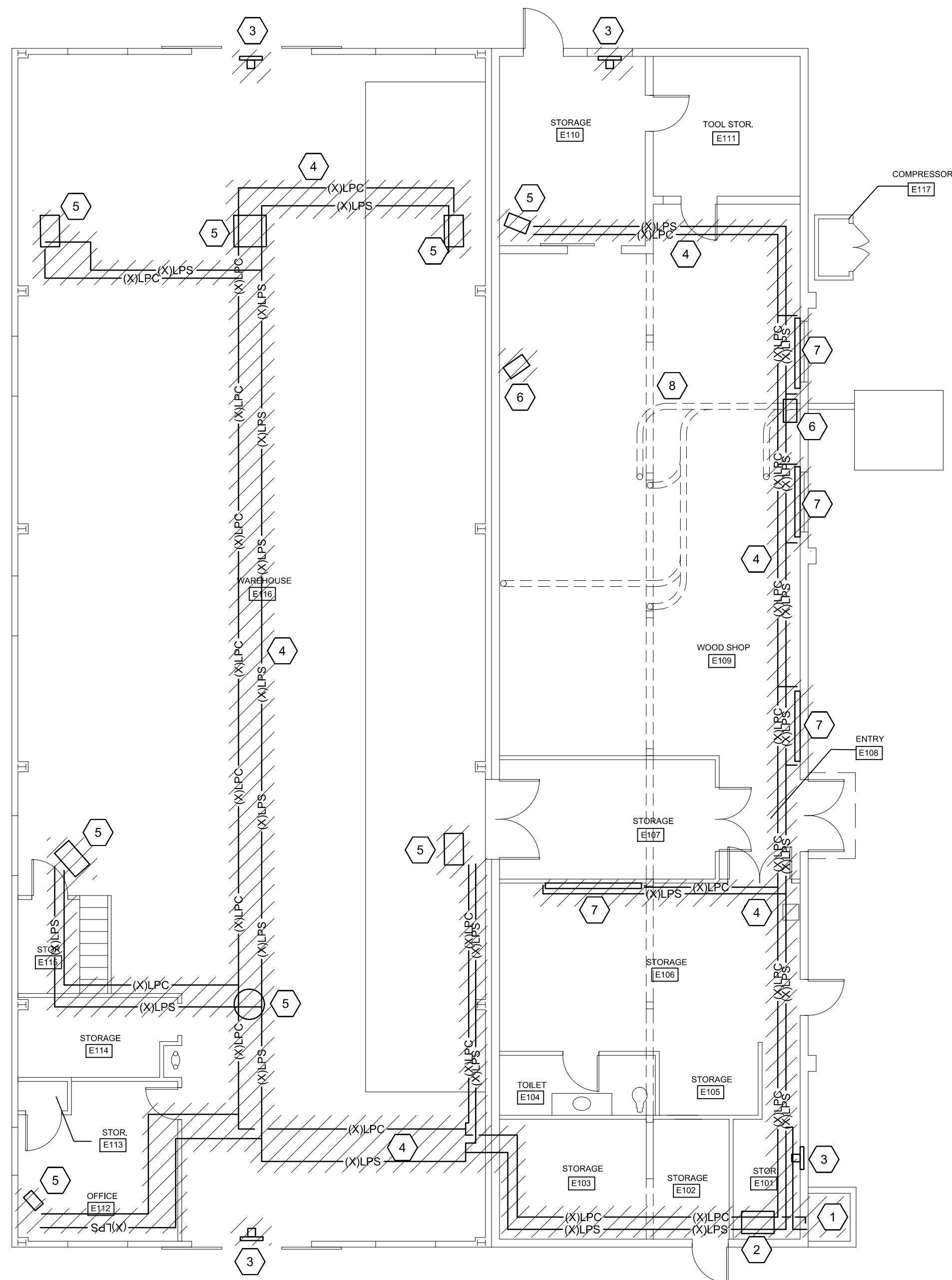
REVISIONS			
SYL		DATE	APPROVED

DEMOLITION KEYED NOTES

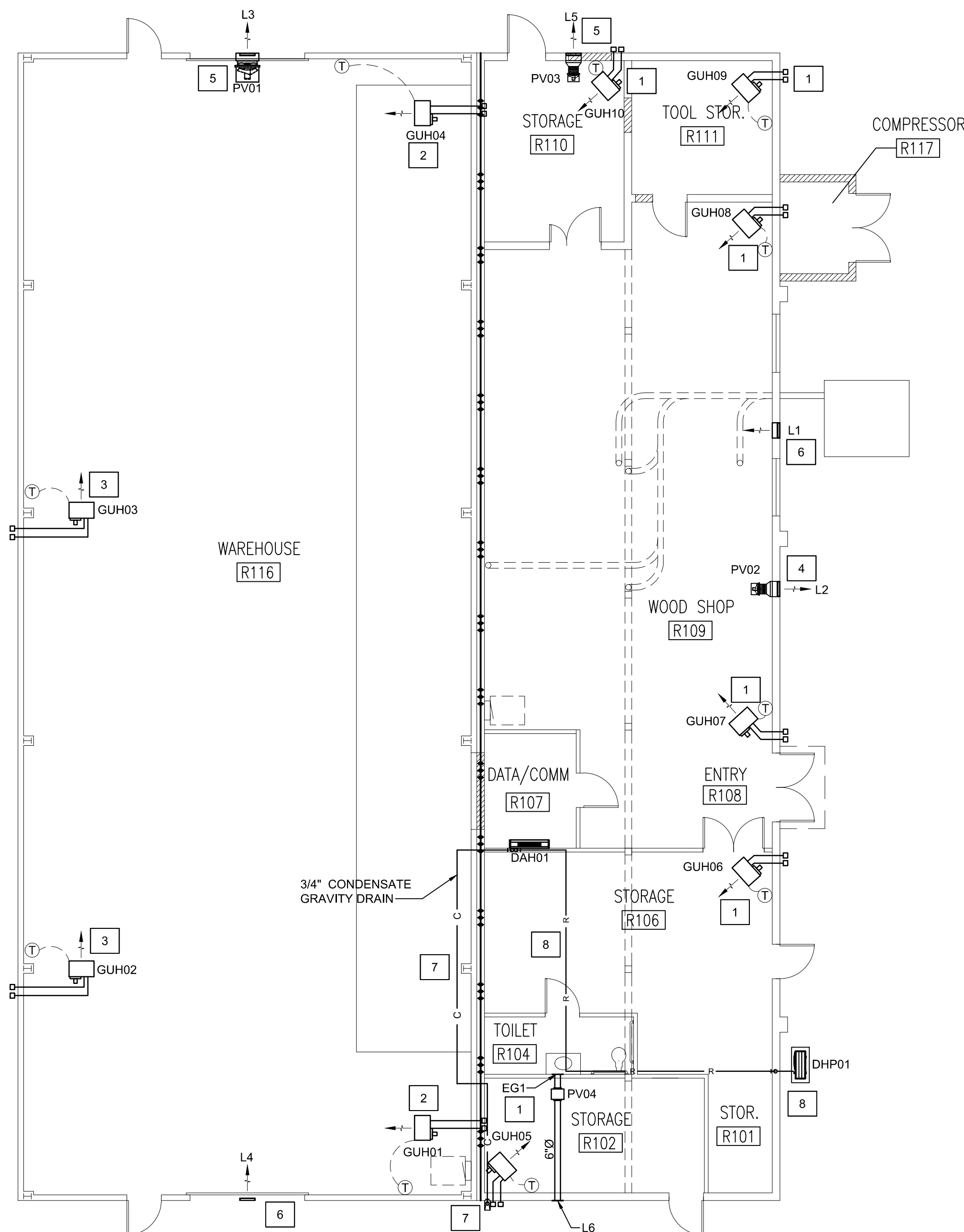
- DEMOLISH EXISTING STEAM PIT CONCRETE PIT, PIPING AND EQUIPMENT. FILL AND MATCH SURROUNDING CONDITIONS.
- DEMOLISH EXISTING CONDENSATE RECEIVER AND EXISTING STEAM AND CONDENSATE PIPING.
- DEMOLISH EXISTING EXHAUST FAN AND LOUVER.
- DEMOLISH EXISTING STEAM AND CONDENSATE PIPING.
- DEMOLISH EXISTING STEAM UNIT HEATER, PIPING AND SUPPORTS.
- DEMOLISH EXISTING ELECTRIC UNIT HEATER AND SUPPORTS.
- DEMOLISH EXISTING RADIATOR HEATER, PIPING AND SUPPORTS.
- EXISTING DUST COLLECTION DUCTWORK. SYSTEM TO BE REMOVED DURING CONSTRUCTION. REFER TO ARCHITECTURAL PLANS.

CONSTRUCTION KEYED NOTES

- MOUNT UNIT HEATER AS HIGH AS STRUCTURE ALLOWS FOLLOWING MANUFACTURERS RECOMMENDATIONS. ALIGN AS SHOWN. ROUTE UNIT INTAKE / EXHAUST THROUGH ADJACENT WALL. SEE DETAIL: 1/M-3.
- MOUNT UNIT HEATER BELOW BUILDING TRUSSES. ALIGN AS SHOWN. ROUTE UNIT INTAKE / EXHAUST THROUGH ADJACENT WALL ABOVE LOWER ROOF. SEE DETAIL: 1/M-3.
- MOUNT UNIT HEATER BELOW BUILDING TRUSSES. ALIGN AS SHOWN. ROUTE UNIT INTAKE / EXHAUST THROUGH ADJACENT WALL. SEE DETAIL: 1/M-3.
- MOUNT EXHAUST FAN AS HIGH AS AS STRUCTURE ALLOWS FOLLOWING MANUFACTURES RECOMMENDATIONS. SEE DETAIL: 2/M-3.
- MOUNT EXHAUST FAN OPENING SHOWN ON ARCHITECTURAL PLANS AND ELEVATIONS. SEE DETAIL: 2/M-3.
- MOUNT AS HIGH AS POSSIBLE. MODIFY STRUCTURE AS REQUIRED TO MAKE WEATHER TIGHT.
- GRAVITY DRAIN CONDENSATE PIPING EXPOSED ALONG WALL AND DISCHARGE TO PLASH BLOCK
- ROUTE REFRIGERANT PIPING CONCEALED FROM INDOOR UNIT TO OUTDOOR UNIT (IN WALLS AND ABOVE CEILINGS.




1 DEMOLITION FLOOR PLAN
1/8" = 1'-0"
0 4 8 16
PLAN NORTH

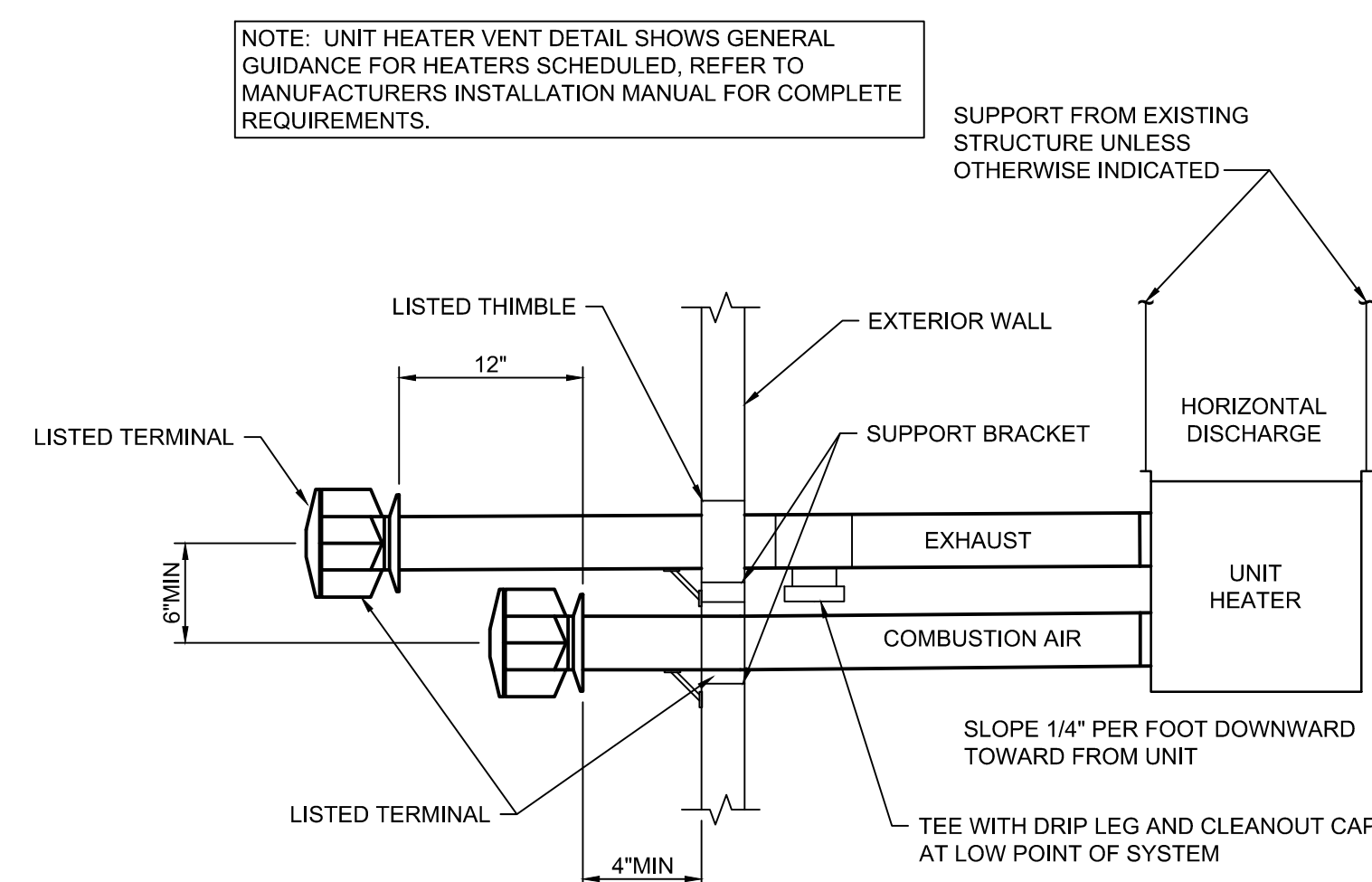


2 FLOOR PLAN
1/8" = 1'-0"
0 4 8 16
PLAN NORTH

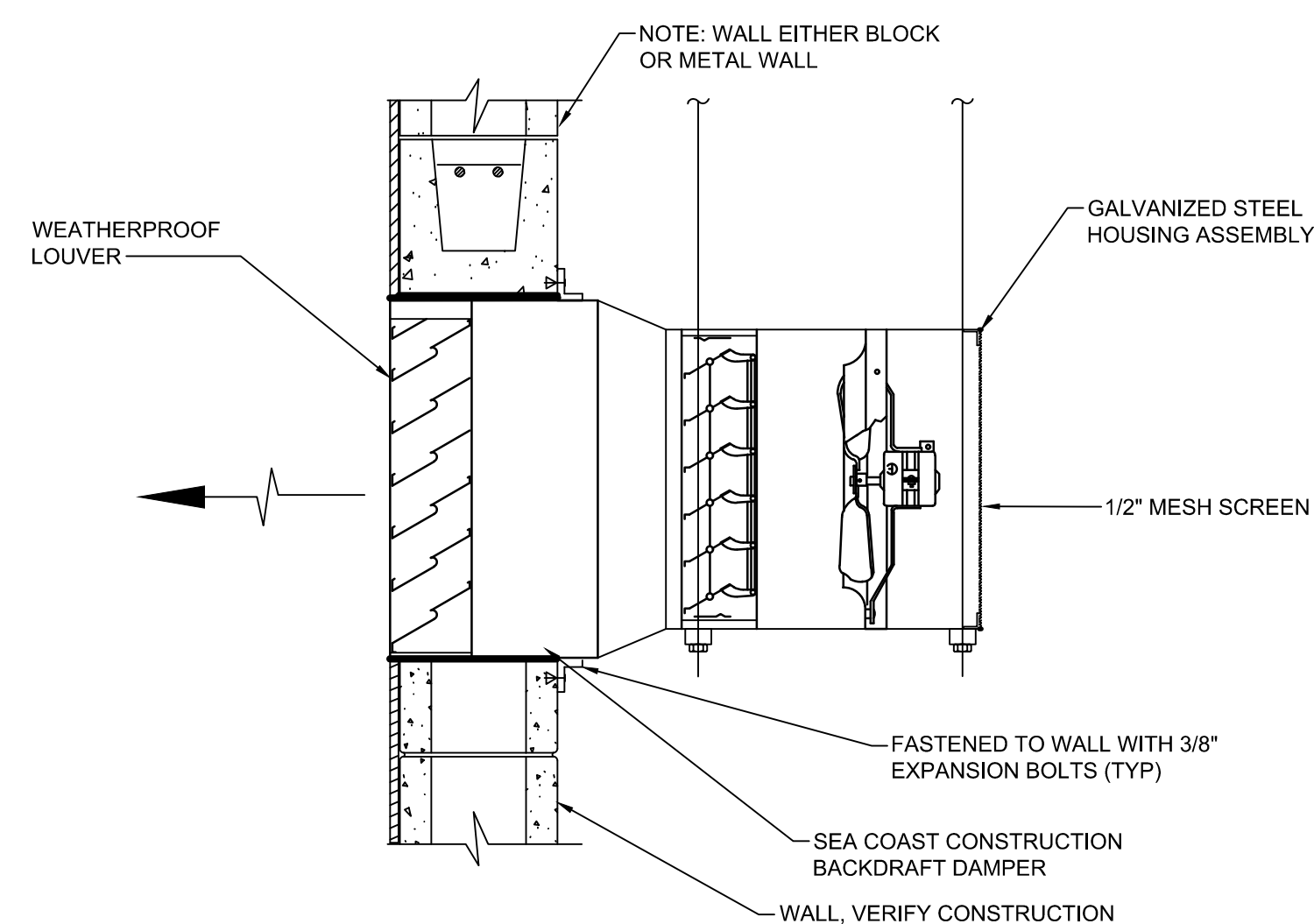
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenrines.com Copyright 2019 CBHF Engineers, PLLC NC# 1-008	SHEET TITLE: MECHANICAL HVAC PLANS		M-2	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
	DES. RWC	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA		
	DR. RWC			
	CHK. DMH			
	SUBMITTED BY:			
	DESIGN DIR. T H BURTON, PE	APPROVED:	DATE	SIZE
			F	80091
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC. 05-17-0075	NAVJAC DRAWING NO. 60024430
			CONST. CONTR. NO. N40085-17-D-0859	SHEET 22 OF 34

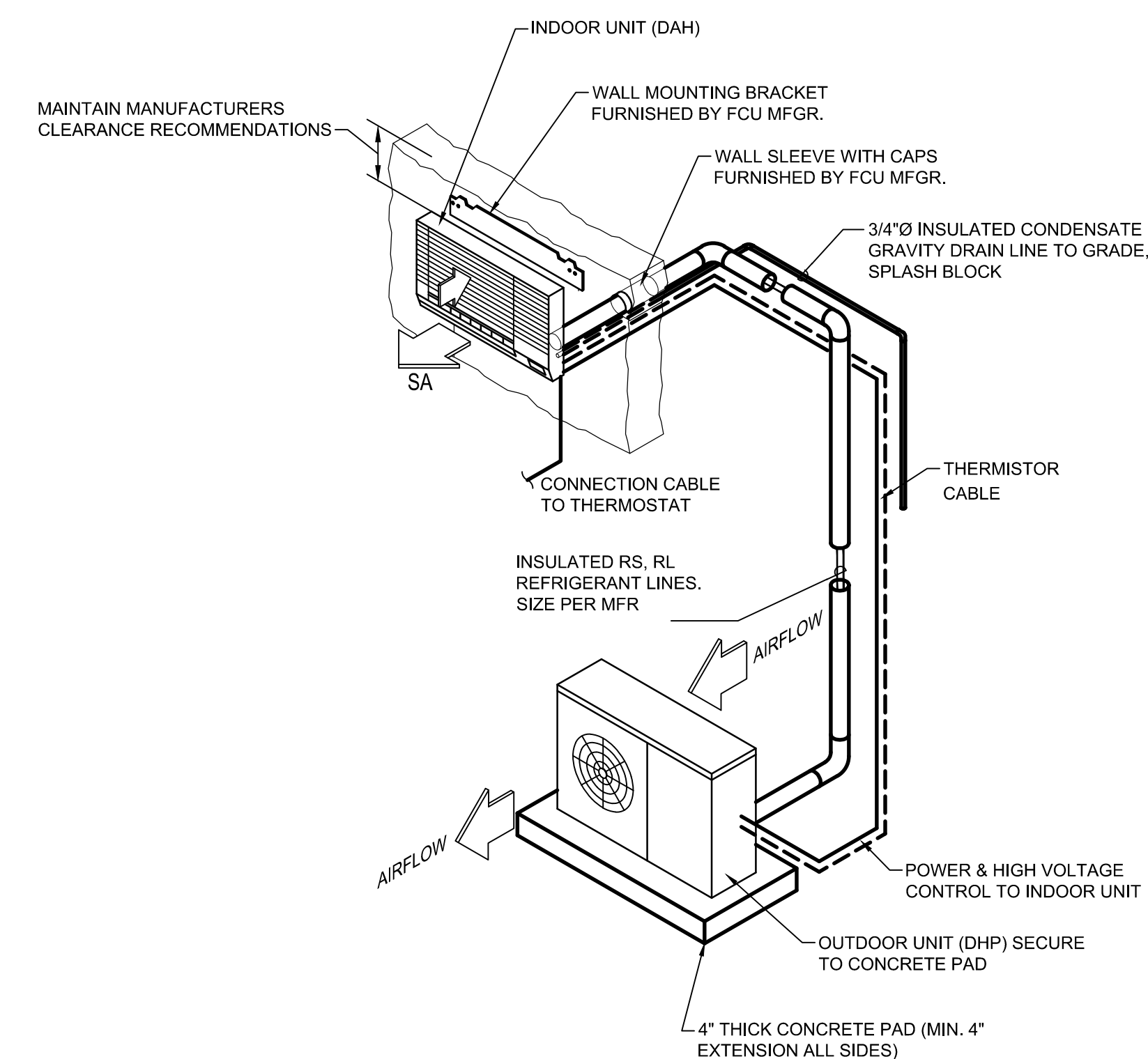
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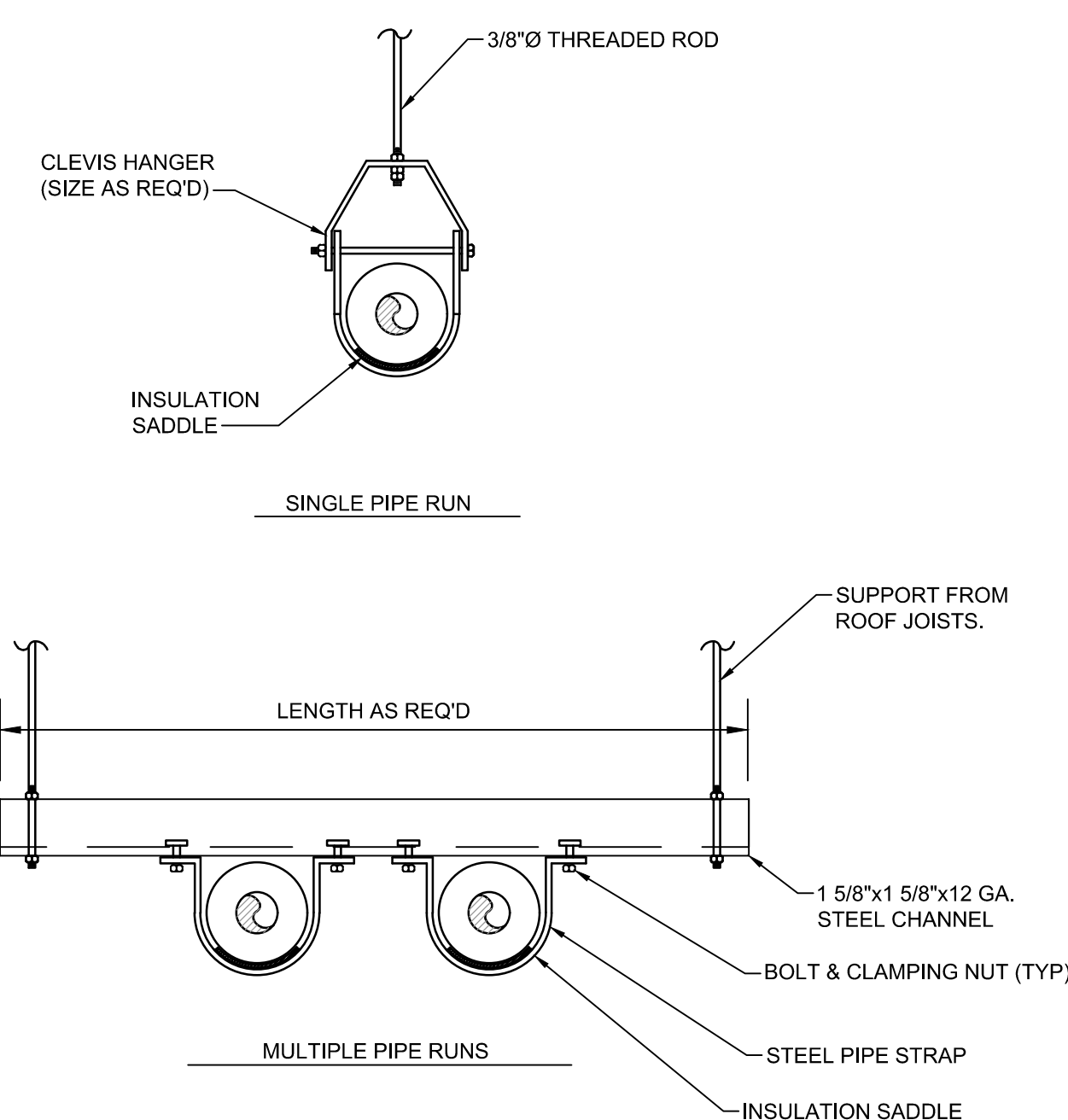
1 GAS FIRED UNIT HEATER VENT DETAIL



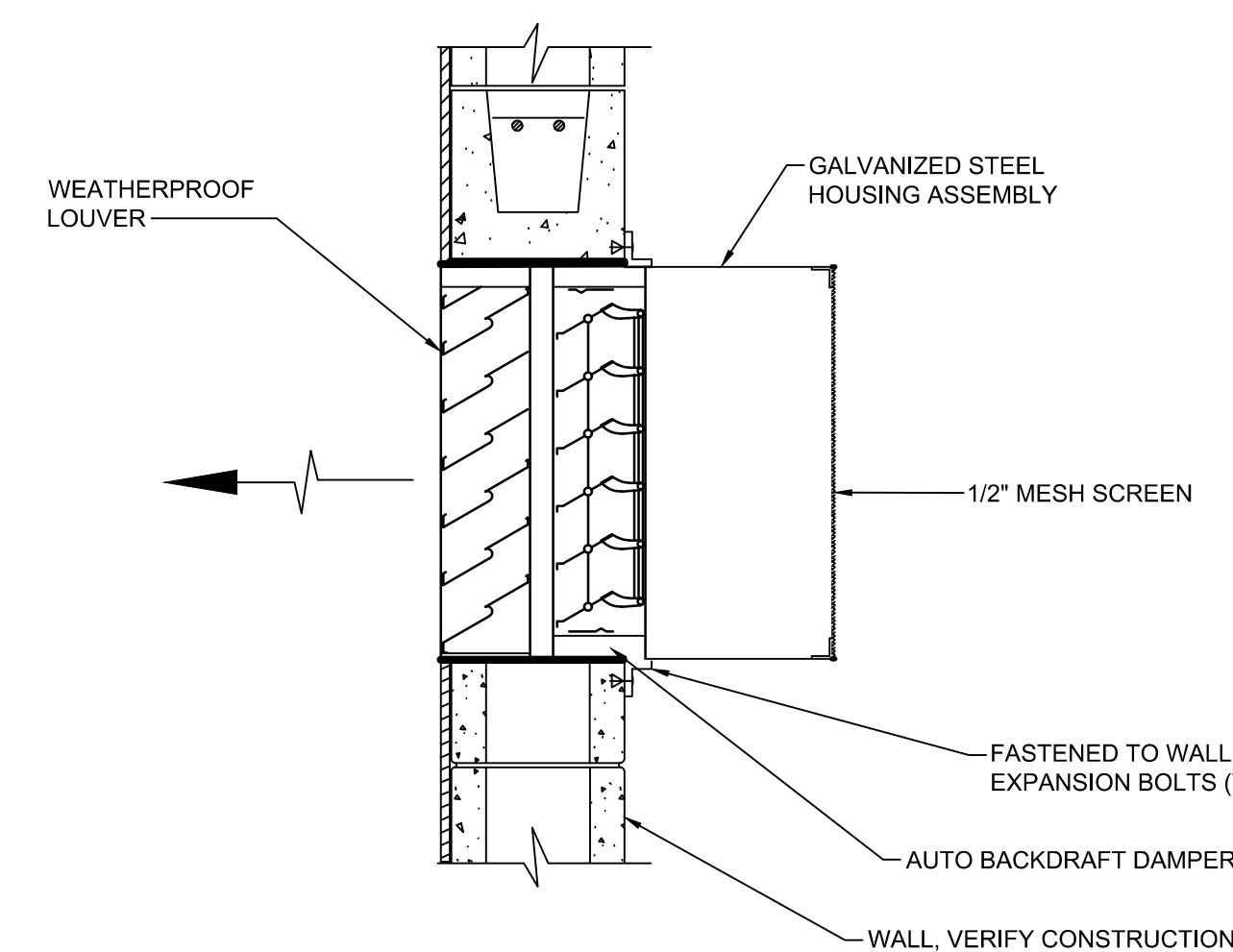
2 EXHAUST FAN/LOUVER DETAIL
NOT TO SCALE



3 DUCTLESS HEAT PUMP UNIT DETAIL



4 PIPE SUPPORT DETAIL



5 TYPICAL LOUVER DETAIL

CLASSIFIED
C UL US
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CANULC-S115

System No. C-AJ-5090

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 2 and 3 Hr (See Item 4)	F Ratings — 2 and 3 Hr (See Item 4)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 4 CFM/sq ft	FH Ratings — 2 and 3 Hr (See Item 4)
L Rating At 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — 4 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft

SECTION A-A

HILTI
Hilti Firestop Systems

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January 14, 2015

Page 1 of 2

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 18 in. (457 mm). See Concrete Blocks (CA2T) Category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve — (Optional) — Nom 18 in. (457 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall.
3. Through Penetrants — One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:
 - A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - B. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) copper tubing.
 - C. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
4. Tube Insulation — Plastic — Min 1/2 in. (13 mm) to max 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Nom 1 in. (25 mm) thick AB/PVC flexible foam insulation may be used for max 2 hr F and FH Ratings when max 3 in. (76 mm) diam pipe or tubing is used. The annular space shall be min 1/2 in. (13 mm) to max 12 in. (305 mm). When max annular space exceeds 1-1/2 in. (38 mm) the F and FH Ratings are 2 hr.


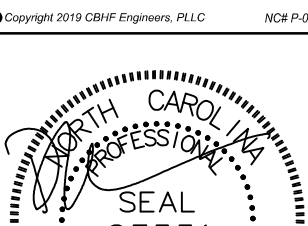
See Plastics* (OMF22) Category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

5. Firestop System — The firestop system shall consist of the following:
 - A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (84 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - B. Fill, Void or Cavity Material — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. When max annular space exceeds 1-1/2 in. (38 mm) the min thickness of fill material is 1/2 in. (13 mm).

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

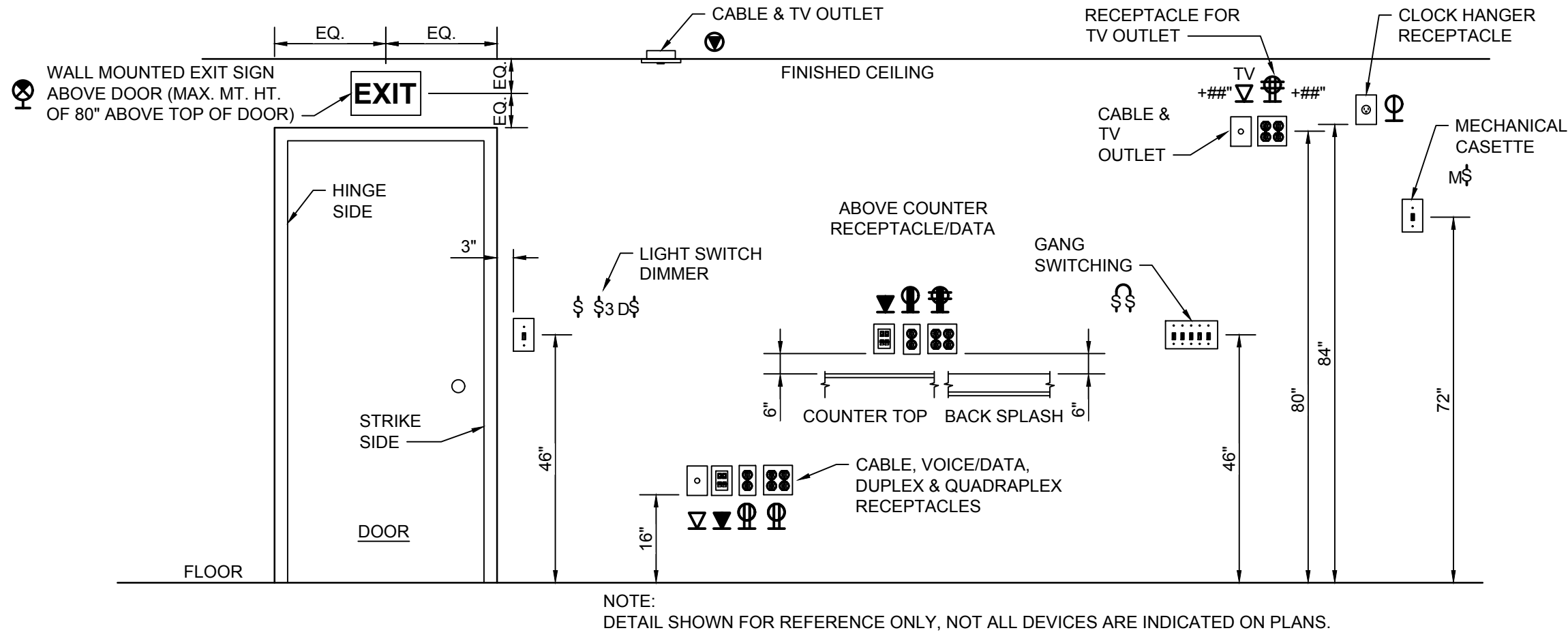
 <p>2246 Yeaoun Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenr.com</p> <p><small>© Copyright 2014 CBHF Engineers, PLLC NCEP-14-010</small></p>  <p>JULY 27 2018</p>	SHEET TITLE: CHEMICAL DETAILS		M-3	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. RWC DR. RWC CHK. DMH SUBMITTED BY: DESIGN DIR. T H BURTON, PE		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA		
APPROVED: _____ DATE: _____		SIZE F	CODE IDENT. NO. 80091	NAVFAC DRAWING NO. 60024431
SATISFACTORY TO: _____ DATE: _____		CONST. CONTR. NO. N40805-17-D-0859		
		SCALE: NOTED	SPEC. 05-17-0075	SHEET 23OF 34

REVISIONS			
SYM.		DATE	APPROVED

ELECTRICAL LEGEND		ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	4FT OR 8FT LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)		RECESSED SINGLE/DOUBLE GANG BOX WITH BLANK COVER PLATE, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED
	4FT OR 8FT CHANNEL LIGHT FIXTURE, SUSPENDED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)		RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	WALL MOUNTED LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)		RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH. +###" - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF GIVEN) (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	POWER & SWITCH LEG		RECEPTACLE, QUADPLEX, 120VAC, 20A MOUNTED 16" AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	UNSWITCHED LEG		WP - LISTED WEATHER-RESISTANT TYPE DEVICE WITH WEATHERPROOF, EXTRA DUTY, WHILE IN USE COVER GFI - GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 24" AFF
	CONDUIT, HOME RUN TO PANEL BOARD		RECEPTACLE-TWIST LOCK, 20A, WALL MOUNTED 16" AFF, SIZE AND CONFIGURATION AS INDICATED ON DRAWING
	EXIT SIGN, SINGLE FACE, CEILING, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)		DISCONNECT SWITCH, FUSED, HEAVY (GENERAL) DUTY, SIZE AS INDICATED ON DRAWINGS ##A" = DISCONNECT SIZE / # = NUMBER OF POLES / # = NEMA RATING, ##AF = FUSE SIZE
	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, WALL MOUNTED, "NOT SWITCHED" INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)		COMBINATION STARTER WITH CIRCUIT BREAKER DISCONNECT, FULL VOLTAGE, SIZE AS INDICATED ON DRAWINGS
	PHOTOCELL, REMOTE MOUNTED, 120V, 10 SECOND TIME DELAY, UL WET LOCATION, RATED FOR 1500 W @ 120 VAC (FOR USE WITH LAMP SOURCE(S) SHOWN)		MANUAL MOTOR STARTER, ELECTRICAL CONTRACTOR SHALL COORDINATE POLES AND SIZE WITH EQUIPMENT ### = AMPERAGE RATING WHEN INDICATED ON DRAWING
	SWITCH, SINGLE POLE, 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL). LOWER CASE LETTER INDICATES FIXTURE SWITCHING (WHEN INDICATED)		3 BUTTON - ON/OFF/STOP PUSHBUTTON CONTROLLER
	3-WAY SWITCH, SINGLE POLE 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED		PANELBOARD, SURFACE OR RECESSED MOUNTED AS SHOWN. SIZE, RATINGS, AND MOUNTING AS INDICATED ON PANEL SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR REQUIRED CLEARANCE IN FRONT OF ELECTRICAL PANEL. SEE NEC TABLE 110.26 WORKING SPACES FOR ADDITIONAL CLEARANCE CONDITIONS.
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 360" COVERAGE		208/120V
	WALL MOUNTED OCCUPANCY SENSOR, SINGLE BUTTON ON/OFF CONTROL, 180" COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.		3 HOUR RATED FIRE WALL
	WALL MOUNTED DATA RACK		GROUND BAR - "TMGB" INDICATES TELECOMMUNICATIONS GROUND BAR - "EGB" INDICATES ELECTRICAL GROUND BAR
	3/4"x4"x8" FIRE RATED PLYWOOD		HATCHING INDICATES ITEMS TO BE DEMOLISHED. REMOVE DEVICE, EQUIPMENT, FIXTURE INDICATED, CIRCUIT, AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE NOTED.
	COMBINATION DATA/TELEPHONE OUTLET, PROVIDE 1 1/4" CONDUIT FROM ROOM R107 TO SURFACE MOUNTED 5 SQUARE BOX. PROVIDE (QTY) 4 - CAT 6A CABLES, COMPLETE FROM EACH DROP TO ROOM R107 DATA RACK.		
	WIRELESS ACCESS POINT, PROVIDE 1" CONDUIT FROM ROOM R107 TO SURFACE MOUNTED 5 SQUARE BOX. PROVIDE (QTY) 1 - CAT 6A CABLE, COMPLETE FROM DATA RACK IN ROOM R107 TO DEVICE LOCATION. (GOVERNMENT MUST PROVIDE SURGE PROTECTOR AND WAP DEVICE, THE ELECTRICAL CONTRACTOR MUST INSTALL).		

ABBREVIATIONS:	
A, AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BOF	BOTTOM OF FIXTURE
BRKR	BREAKER
C, CND	CONDUIT
CAB	CABINET
CAT	CATALOG
CL	CHLORINE
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CP	CONTROL PANEL
CR	CONTROL RELAY, CORROSION RESISTANT
CS	CONTROL SWITCH
CV	CONTROL VALVE
CT	CURRENT TRANSFORMER
CU	COPPER
EF	EXHAUST FAN
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EVH	ELECTRIC WATER HEATER
EPRF	EXPLOSION PROOF
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FLUOR	FLUORESCENT
FLR	FLOOR
FWE	FURNISHED WITH EQUIPMENT
GEN	GENERATOR
G, GND	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
Hz	HERTZ
IMC	INTERMEDIATE METALLIC CONDUIT
INCAND	INCANDESCENT
JB	JUNCTION BOX
K	THOUSAND
KMIL	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATTS
KWH	KILOWATT-HOURS
LP	LIGHTING PANEL, LIGHT POLE
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
N, NEUT	NEUTRAL
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX, PUSH-BUTTON
PF	POWER FACTOR
PHI, φ	PHASE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PP	POTENTIAL TRANSFORMER
PT	POTENTIAL TRANSFORMER
PWR	POWER
RECP, RCP	RECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	ROOM
RTU	REMOTE TELEMETRY UNIT
SCR	DC MOTOR DRIVE
SH	SHEET
SPEC	SPECIFICATION
SS	SELECTOR SWITCH
SST	STAINLESS STEEL
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCH GEAR
TEL	TELEPHONE
TFS	TESTED PAIR SHIELDED
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UGND	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WATT
WH	WATT-HOUR
WP	WEATHERPROOF
XFMR	TRANSFORMER

LOAD SUMMARY	
VOLTAGE	PHASE
208	3
LARGEST MOTOR APPROX. AMPS	24 AMPS
LARGEST MOTOR APPROX. AMPS x .25	6 AMPS
HVAC	
GUHs(10)	3,996 VA
EXHAUST FANS(4)	2,188 VA
DHP01/DAH01	1,997 VA
SUB-TOTAL HVAC DEMAND	8,181 VA
SUB-TOTAL HVAC DEMAND	23 AMPS
EQUIPMENT	
EW01	2,500 VA
DUST COLLECTOR	8,719 VA
COMPRESSOR	6,017 VA
10" TABLE SAW	2,400 VA
TABLE SAW	7,206 VA
RADIAL ARM SAW	7,926 VA
JOINTER	5,404 VA
DRILL PRESS	1,800 VA
BAND SAW	1,152 VA
MITER SAW	1,152 VA
WET SAW	1,800 VA
SANDER	1,080 VA
BENCH GRINDER	600 VA
SUB-TOTAL EQUIPMENT DEMAND	45,255 VA
SUB-TOTAL EQUIPMENT DEMAND	128 AMPS
ADD FOR LARGEST MOTOR	6 AMPS
TOTAL EQUIPMENT DEMAND	132 AMPS
LIGHTING	
LIGHTS (INTERIOR, BASED ON NEC 220.12)	5,912 VA
LIGHTS (EXTERIOR)	364 VA
SIGN	1,200 VA
TOTAL LIGHTING LOAD	7,476 VA
LIGHTING LOAD x 1.25	9,345 VA
TOTAL DEMAND FOR LIGHTING	26 AMPS
RECEPTACLES	
RECEPTACLES	11,340 VA
FIRST 10000VA	10,000 VA
REMAINDER @ 50%	670 VA
TOTAL DEMAND FOR RECEPTACLE/POWER PANELS	10,670 VA
TOTAL DEMAND FOR RECEPTACLE/POWER PANELS	30 AMPS
TOTAL DEMAND BUILDING AMPS	210 AMPS
TOTAL DEMAND BUILDING AMPS	75,613 VA
TOTAL BUILDING CONNECTED LOAD	72,252 VA



1 ELECTRICAL DEVICES - MOUNTING HEIGHT DETAIL
NOT TO SCALE


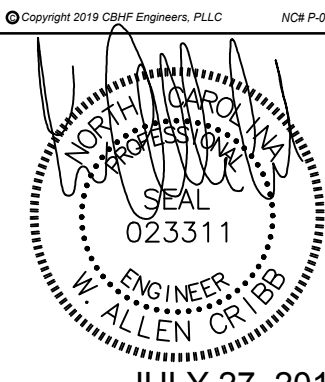
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenrines.com	SHEET TITLE: ELECTRICAL LEGEND, SUMMARIES, DETAIL		E-1
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		
	DES. JLG		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA
	DR. JLG		
	CHK. WAC		
	SUBMITTED BY:		
	DESIGN DR. T H BURTON, PE		
	APPROVED:	DATE	SIZE
			F 80091
	SATISFACTORY TO:	DATE	CODE IDENT. NO. NAVFAC DRAWING NO.
			60024432
			CONST. CONTR. NO. N40085-17-D-0859
			SCALE: NOTED SPEC. 05-17-0075 SHEET 24 OF 34

REVISIONS			
SYN.		DATE	APPROVED

GENERAL NOTES		GENERAL DEMOLITION NOTES	
<div>1. ALL ELECTRICAL WORK SHALL BE IN FULL COMPLIANCE WITH NFPA 70 THE NORTH CAROLINA STATE BUILDING CODE, ALL LOCAL CODES AND ORDINANCES AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.</div> <div>2. ALL EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY-RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF INSTALLATION. ALL MATERIAL, EQUIPMENT AND DEVICES SHALL BE NEW CURRENT PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS. EQUIPMENT SHALL BE SUITABLE FOR ITS APPLICATION (E.G. WHEN INSTALLED OUTDOORS, IT SHALL BE WEATHERPROOF, ETC.)</div> <div>3. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR WORK REQUIREMENTS, THE AMOUNT OF SPACE AVAILABLE FOR ELECTRICAL EQUIPMENT, AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER.</div> <div>4. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THOROUGHLY FAMILIARIZING HIMSELF WITH ANY CONTRACTUAL REQUIREMENTS AS MAY BE SET FORTH IN THE OTHER DIVISIONS OF THE PROJECT SPECIFICATIONS.</div> <div>5. UNLESS SPECIFICALLY NOTED OTHERWISE, SYSTEMS PROVIDED OR INSTALLED BY THE CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION. INCIDENTAL COMPONENTS MAY NOT BE SHOWN, AND ALL WORK WHICH MAY BE REASONABLY IMPLIED AS BEING INCIDENTAL TO THIS WORK, BUT REQUIRED FOR THE PROPER OPERATION OF THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED BY THE CONTRACTOR AND INCLUDED IN THE BID. ADDITIONAL CIRCUITS SHALL BE INSTALLED WHEREVER NEEDED TO CONFORM TO THE SPECIFIC REQUIREMENTS OF EQUIPMENT.</div> <div>6. TEMPORARY POWER CONNECTIONS AS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR AND INCLUDED IN THE BID. ALL TEMPORARY EQUIPMENT WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. THE CONTRACTOR SHALL PROVIDE DETAILS, METHODS, MATERIALS, ETC. FOR REVIEW PRIOR TO MAKING TEMPORARY CONNECTIONS. FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS INCLUDING CONTROL EQUIPMENT, MOTOR STARTERS, BRANCH AND FEEDER CIRCUIT BREAKERS, PANELBOARDS, TRANSFORMERS, ETC. FOR TEMPORARY POWER. COORDINATE WITH THE ELECTRICAL UTILITY COMPANY AS REQUIRED.</div> <div>7. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE COMPLETION OF WORK AND ANY MINOR CORRECTIONS, CHANGES OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT.</div> <div>8. ALL EQUIPMENT SHOWN DOTTED OR DASHED IS BY OTHERS OR IS EXISTING, AS NOTED.</div> <div>9. ALL ELECTRICAL EQUIPMENT SHALL, AT ALL TIMES DURING CONSTRUCTION, BE ADEQUATELY PROTECTED AGAINST MECHANICAL INJURY, OR DAMAGE BY WATER AND/OR THE ELEMENTS. ELECTRICAL EQUIPMENT SHALL NOT BE STORED OUT OF DOORS, BUT SHALL BE STORED IN DRY PERMANENT SHELTERS. IF AN APPARATUS HAS BEEN DAMAGED, OR HAS BEEN SUBJECT TO POSSIBLE INJURY BY WATER OR THE ELEMENTS, SUCH DAMAGE SHALL BE REPLACED AT NO ADDITIONAL COST.</div> <div>10. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.</div> <div>11. CIRCUIT LAYOUTS ARE NOT INTENDED TO SHOW THE NUMBER OF FITTINGS, OR OTHER INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF FEEDER AND BRANCH CIRCUIT RACEWAYS AND CABLES IS THE RESPONSIBILITY OF THE CONTRACTOR. RISER AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY/DIAGRAMMATICALLY ONLY. THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION.</div> <div>12. UNLESS DIMENSIONED, DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADJUST EXACT LOCATIONS AS REQUIRED TO SERVE THE INTENDED PURPOSE AND TO AVOID CONFLICTS AND INTERFERENCES WITH OTHER TRADES. EXACT DEVICE LOCATIONS SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS OR AS DIMENSIONED. IF NOT SHOWN ON THE ARCHITECTURAL DRAWINGS OR DIMENSIONED ON THE ELECTRICAL DRAWINGS, VERIFY EXACT LOCATION WITH THE CONTRACTING OFFICER PRIOR TO ROUGH-IN.</div> <div>13. CONDUIT TERMINATING IN PRESSED STEEL BOXES SHALL HAVE DOUBLE LOCKNUTS AND INSULATED BUSHINGS. CONDUITS TERMINATING IN GASKETED ENCLOSURES SHALL BE TERMINATED WITH GROUNDING TYPE CONDUIT HUBS.</div> <div>14. BRANCH CIRCUIT HOMERUNS SHOWN ON DRAWINGS INDICATE PHASE CONDUCTORS, NEUTRAL, EQUIPMENT GROUND CONDUCTORS AS REQUIRED. ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.</div> <div>15. SEAL ALL CONDUIT OPENINGS THROUGH EXTERIOR BUILDING WALLS WATERTIGHT.</div> <div>16. IN WET LOCATIONS AND EXTERIOR, ALL WIRING DEVICES SHALL BE WEATHER-RESISTANT LISTED WITH WEATHERPROOF WHILE IN USE COVER. LIGHTING FIXTURES SHALL BE APPROPRIATELY RATED AND LISTED FOR THE ENVIRONMENT ITO BE INSTALLED IN.</div> <div>17. RACEWAYS PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE PROPERLY SEALED SMOKE/TIGHT.</div> <div>18. ALL RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE IF APPLICABLE, MATCH EXISTING RACEWAY INSTALLATION METHODS AND ROUTINGS AT OR NEAR EXISTING FACILITIES.</div> <div>19. INSTALL EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS POSSIBLE. NO DIAGONAL RUNS WILL BE ALLOWED. ALL CONDUITS SHALL BE RUN STRAIGHT AND TRUE. RUN PARALLEL OR BANKED RACEWAYS TOGETHER ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTERLINE TO MAKE BENDS PARALLEL.</div> <div>20. PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING COMPLETELY WATERPROOF.</div> <div>21. ALL MOTORS, DRY TYPE TRANSFORMERS AND OTHER VIBRATING EQUIPMENT SHALL BE CONNECTED TO THE CONDUIT SYSTEM BY MEANS OF A SHORT SECTION (18 INCH MINIMUM) OF FLEXIBLE CONDUIT UNLESS OTHERWISE INDICATED. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED INSIDE THE FLEXIBLE CONDUIT AND TERMINATE AT THE LOAD END WITH AN APPROVED GROUNDING CLAMP OR LUG.</div> <div>22. SURFACE MOUNTED PANELBOARDS, JUNCTION, OUTLET AND PULL BOXES, RACEWAYS, ETC., INSTALLED ON EXTERIOR SURFACES OR INSIDE ON EXTERIOR WALLS SHALL BE SUPPORTED BY SPACERS TO PROVIDE A 1/4" MINIMUM CLEARANCE BETWEEN THE WALL AND EQUIPMENT.</div> <div>23. CEILING MOUNTED DEVICES INSTALLED IN ACOUSTICAL TILE CEILING AREAS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE WITH RODS OF SUFFICIENT SIZE TO PREVENT VERTICAL MOVEMENT OF THE OUTLET BOX. BRIDGES ALONE ARE NOT ADEQUATE UNLESS SPECIFICALLY APPROVED. CEILING MOUNTED EXIT LIGHT FIXTURES SHALL BE INSTALLED LEVEL. DO NOT SUPPORT DEVICES FROM ACOUSTICAL CEILING TILE.</div> <div>24. PROVIDE ADHESIVE BACKED RECEPTACLE DEVICE PLATE LABELS IDENTIFYING THE CIRCUIT FEEDING THE DEVICE. LABELS SHALL INDICATE PANEL AND CIRCUIT NUMBER. ALSO PROVIDE IDENTIFICATION FOR MULTI-WIRE BRANCH CIRCUIT PHASE CONDUCTORS IN PANELBOARD.</div> <div>25. FINAL TYPED PANELBOARD DIRECTORIES INSTALLED IN THE PANELBOARD DOOR POCKET SHALL INCLUDE FINAL ACTUAL ROOM NAMES AND NUMBERS IN ADDITION TO THE GENERAL DESCRIPTION SHOWN ON THE PANEL SCHEDULES ON THE DRAWINGS.</div> <div>26. CONDUCTOR SIZING IS BASED ON 75 DEGREE C. COPPER NEC RATINGS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY, PRIOR TO INSTALLATION OF CONDUCTORS OR CONDUIT FEEDING ANY EQUIPMENT, THE ELECTRICAL EQUIPMENT IS RATED FOR USE WITH 75 DEGREE C. WIRING. IF ANY EQUIPMENT IS RATED FOR USE WITH LESS THAN 75 DEGREE C. CONDUCTORS, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY FOR EVALUATION/CORRECTION.</div> <div>27. DO NOT PULL CONDUCTORS UNTIL THE CONDUIT SYSTEM IS COMPLETE IN EVERY DETAIL. IN THE CASE OF CONCEALED WORK, "COMPLETE" MEANS UNTIL ALL ROUGH PLASTERING OR MASONRY HAS BEEN COMPLETED.</div> <div>28. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, BRANCH CIRCUITS SHALL CONSIST OF #12 OR #10 AWG MINIMUM PHASE, NEUTRAL AND EQUIPMENT GROUND CONDUCTORS IN 3/4" MINIMUM RACEWAY.</div> <div>29. USE #10 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS WITH A TOTAL INSTALLED LENGTH GREATER THAN 75 FEET AND/OR BRANCH CIRCUIT HOMERUNS LONGER THAN 50 FEET, I.E.; #12 AWG INCREASED TO #10 AWG FOR RECEPTACLE BRANCH CIRCUITS OVER 75 FEET TOTAL LENGTH (INCLUDING THE AWG HOMERUN SEGMENT) AND HOMERUNS OVER 50 FEET.</div> <div>30. COMMON NEUTRAL CONDUCTORS OF MULTIWIRE RECEPTACLE BRANCH CIRCUIT HOMERUNS SHALL BE #10 AWG MINIMUM.</div> <div>31. KEEP CONDUCTOR SPICES TO A MINIMUM. INSTALL SPICES AND TAPES THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN CONDUCTORS BEING SPLICED. USE SPLICE AND TAP CONNECTORS COMPATIBLE WITH CONDUCTOR MATERIAL. INSTALL CONDUCTORS AT EACH OUTLET WITH AT LEAST 6 INCHES OF SLACK. CONNECT OUTLETS AND COMPONENTS TO WIRING AND TO GROUND AS INDICATED AND INSTRUCTED BY THE MANUFACTURER.</div> <div>32. DO NOT SPLICE BRANCH CIRCUIT HOMERUNS WITHOUT THE PERMISSION OF THE CONTRACTING OFFICER. HOMERUNS SHALL BE CONTINUOUS FROM THE LAST OUTLET BOX TO THE SERVING PANELBOARD.</div> <div>33. DO NOT COMBINE BRANCH CIRCUIT HOMERUNS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.</div>	<div>34. DO NOT CHANGE CIRCUITING SHOWN WITHOUT PERMISSION OF THE CONTRACTING OFFICER.</div> <div>35. TROUGH TAPS SHALL BE AT SWITCH AMPACITY, UNLESS NOTED OTHERWISE.</div> <div>36. INSTALL WIRING DEVICES AT HEIGHTS AS SHOWN ON THE DRAWINGS. ALSO COORDINATE MOUNTING HEIGHTS WITH THE ARCHITECTURAL DRAWINGS AND CASEWORK DETAILS. IF CONFLICTING, ARCHITECTURAL DRAWINGS AND DETAILS SHALL GOVERN.</div> <div>37. PROVIDE GROUND FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL IN ACCORDANCE WITH THE NEC INCLUDING ALL ELECTRIC WATER COOLERS, EXTERIOR RECEPTACLES AND RECEPTACLES IN AREAS SUBJECT TO POSSIBLE WET CONDITIONS. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF A SINK SHALL BE GFI PROTECTED. ALL RECEPTACLES IN NON-RESIDENTIAL KITCHENS SHALL BE GFI PROTECTED.</div> <div>38. IN AREAS IN WHICH DUAL LEVEL SWITCHING IS INDICATED (TYPICALLY BY 2 OR MORE ADJACENT, GANGED SWITCHES), PROVIDE THE APPROPRIATE NUMBER OF CONDUCTORS TO FACILITATE THIS FUNCTION (AS TYPICALLY SHOWN).</div> <div>39. CONNECT BATTERY PACK TYPE EMERGENCY AND EXIT LIGHTING FIXTURES TO UN-SWITCHED LIGHTING CIRCUIT SERVING THE SPACE LIGHTED BY THE EMERGENCY AND EXIT FIXTURES. THESE CONNECTIONS ARE INTENTIONALLY NOT SHOWN TO MAINTAIN DRAWING FOR CLARITY.</div> <div>40. COORDINATE LIGHTING FIXTURE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. IF CONFLICTS ARE NOTED, REQUEST CLARIFICATION FROM THE CONTRACTING OFFICER BEFORE PROCEEDING.</div> <div>41. ADJACENT SWITCHES SHALL BE GANGED. INSTALL BARRIERS BETWEEN UNLIKE VOLTAGE SECTIONS.</div> <div>42. SEPARATE NEUTRALS ARE REQUIRED FOR ALL DIMMED LIGHTING CIRCUITS.</div> <div>43. WHERE THE DRAWINGS INDICATE A LIGHTING FIXTURE IS TO BE PROVIDED WITH SPECIAL FEATURES/SWITCHING (DIMMING, EMERGENCY BATTERY BALLAST, MULTILEVEL, ETC), THE CONTRACTOR SHALL PROVIDE THESE FIXTURES WITH THE APPROPRIATE BALLASTING TO ACCOMMODATE THE SPECIAL FEATURE. THE CONTRACTOR SHALL PROVIDE THE FIXTURES AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE WITH MODIFICATIONS AS REQUIRED BY DRAWING NOTES.</div> <div>44. COORDINATE LOCATIONS OF PLUMBING, MECHANICAL, DATA AND TELEPHONE AND AUDIOVISUAL EQUIPMENT. GOVERNMENT-PROVIDED TELECOMMUNICATIONS AND DATA CABLES WILL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.</div> <div>45. PROVIDE TELEPHONE, FIBER AND DATA SERVICE ENTRANCE CONDUIT IN SIZES AND LOCATIONS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE GOVERNMENT AND THE SERVICE UTILITIES. UTILITY SERVICE ENTRANCE CABLES WILL BE PROVIDED AND INSTALLED BY THE GOVERNMENT'S SERVICE UTILITIES. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.</div> <div>46. INSTALLATION INFORMATION PACKED WITH LIGHTING FIXTURES, DEVICES AND EQUIPMENT SHALL BE RETAINED FOR INCLUSION IN THE OPERATIONS AND MAINTENANCE MANUALS.</div> <div>47. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING NECESSARY TO INSTALL ALL EQUIPMENT AS REQUIRED AND SHALL REESTABLISH ALL FINISHES TO THEIR ORIGINAL CONDITION WHERE CUTTING AND PATCHING OCCUR. ALL CUTTING AND PATCHING SHALL BE DONE IN A THOROUGHLY WORKMANSHIP MANNER. SAW CUT CONCRETE AND MASONRY PRIOR TO BREAKING OUT SECTIONS. ALL PATCHING MATERIALS AND WORKMANSHIP SHALL BE PERFORMED BY TRADESMEN EXPERIENCED IN THAT WORK. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE RESPECTIVE SUPPLIERS AND VENDORS AND THE GOVERNMENT BEFORE ROUGH-IN. ADJUST LIGHTING FIXTURES, RECEPTACLES AND ELECTRICAL EQUIPMENT TO ACCOMMODATE THIS EQUIPMENT. ADVISE THE GOVERNMENT OF CONFLICTS BEFORE ROUGH-IN.</div> <div>48. BEFORE COMMENCING WORK OR ORDERING MATERIALS, THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND VERIFY THE NAMEPLATE RATINGS OF ALL EQUIPMENT (MOTORS, HEATERS, COMPRESSORS, ETC.) AND ADJUST THE RATINGS OF THE ELECTRICAL EQUIPMENT (SWITCHES, FUSES, CIRCUIT BREAKERS, FEEDERS, ETC.) AS APPROPRIATE TO SERVE THIS EQUIPMENT.</div> <div>49. ENERGIZE EQUIPMENT ONLY AFTER OBTAINING PERMISSION FROM THE CONTRACTOR PROVIDING THE EQUIPMENT.</div> <div>50. UNLESS SPECIFICALLY NOTED OTHERWISE, THE CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD. THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL AND PLUMBING EQUIPMENT, PRIOR TO ORDERING OR INSTALLATION OF ANY EQUIPMENT, TO VERIFY MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS ARE PROVIDED IN THE ELECTRICAL DESIGN. THE CONTRACTOR WILL NOT BE COMPENSATED FOR COSTS ASSOCIATED WITH CHANGING THE ELECTRICAL SYSTEMS TO MATCH UTILIZATION EQUIPMENT, EVEN IF THE ELECTRICAL WORK IS INSTALLED PER THE ELECTRICAL DRAWINGS.</div> <div>51. THE CONTRACTOR SHALL FURNISH ALL STARTERS AND CONTROLS FOR THEIR EQUIPMENT. THE CONTRACTOR SHALL PROVIDE ALL SAFETY SWITCHES, SHALL MOUNT STARTERS AND PROVIDE WIRING AND CONNECTIONS TO LINE SIDE OF STARTERS. THE CONTRACTOR SHALL PROVIDE LOAD SIDE WIRING AND CONNECTIONS TO MECHANICAL AND PLUMBING EQUIPMENT. FOR RESISTANCE TYPE LOADS WHERE STARTERS OR CONTACTORS ARE NOT REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL POWER WIRING AND CONNECTIONS COMPLETE TO EQUIPMENT. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL PROVIDE ALL CONTROL WIRING AND CONNECTIONS AND DEVICES FOR THEIR EQUIPMENT.</div> <div>52. TELECOMMUNICATIONS AND DATA CABLES WILL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.</div> <div>54. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING NECESSARY TO INSTALL ALL EQUIPMENT AS REQUIRED AND SHALL REESTABLISH ALL FINISHES TO THEIR ORIGINAL CONDITION WHERE CUTTING AND PATCHING OCCUR. ALL CUTTING AND PATCHING SHALL BE DONE IN A THOROUGHLY WORKMANSHIP MANNER. SAW CUT CONCRETE AND MASONRY PRIOR TO BREAKING OUT SECTIONS. ALL PATCHING MATERIALS AND WORKMANSHIP SHALL BE PERFORMED BY TRADESMEN EXPERIENCED IN THAT WORK. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CONTRACTING OFFICER.</div> <div>55. CORE DRILL HOLES IN EXISTING CONCRETE WALLS AS REQUIRED.</div> <div>56. INSTALL WORK AT SUCH TIME AS TO REQUIRE THE MINIMUM AMOUNT TO CUTTING AND PATCHING.</div> <div>57. CUT OPENINGS ONLY LARGE ENOUGH TO ALLOW EASY INSTALLATION OF THE CONDUIT.</div> <div>58. ABANDONED POWER WIRING, RACEWAYS AND CONDUCTORS, SHALL BE REMOVED BACK TO THEIR SOURCE. THE ACCESSIBLE PORTIONS OF ABANDONED CABLES (VOICE, DATA, VIDEO, ALARM, ETC.) SHALL BE REMOVED.</div> <div>59. THE EXISTING ELECTRICAL SYSTEMS DEPICTED ON THESE DRAWINGS HAVE BEEN COMPILED BY THE ENGINEER FROM THE GOVERNMENT'S RECORD DRAWINGS AND LIMITED FIELD VERIFICATION OF THE EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, POINTS OF ACCESS AND FIELD CONDITIONS AFFECTING HIS WORK.</div> <div>60. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING ELECTRICAL SYSTEMS AND THE EXISTING BUILDING. THE SUBMISSION OF THE PROPOSAL BY THE CONTRACTOR SHALL BE CONSIDERED EVIDENCE THAT HE OR HIS REPRESENTATIVE HAS VISITED THE SITE AND BUILDINGS AND NOTED THE LOCATION AND CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED AND THAT HE TAKES FULL RESPONSIBILITY OF ALL FACTORS GOVERNING HIS WORK. NO EXTRAS WILL BE CONSIDERED BECAUSE OF ADDITIONAL WORK NECESSITATED BY EXISTING JOB CONDITIONS THAT ARE NOT INDICATED ON THE DRAWINGS.</div> <div>61. ALL UNUSED OUTLET BOXES SHALL BE REMOVED OR, WITH SPECIFIC APPROVAL OF THE CONTRACTING OFFICER, SHALL BE BLANKED WITH STAINLESS STEEL PLATES. ALL OPENINGS IN EXISTING WALLS AND CEILINGS MADE BY THIS CONTRACTOR SHALL BE REPAIRED TO AN EQUAL FINISH AS ADJACENT SURFACES.</div> <div>62. PROVIDE ALL ELECTRICAL RELOCATION WORK ASSOCIATED WITH THE RELOCATING OF EQUIPMENT FOR THE EXISTING FACILITIES, INCLUDING DISCONNECTING ALL EXISTING WIRING AND CONDUITS AND PROVIDING NEW WIRING AND CONDUITS TO THE RELOCATED EQUIPMENT.</div> <div>63. SEE "KEYED DEMOLITION NOTES" FOR ADDITIONAL REQUIREMENTS.</div> <div>64. SAFETY<div>A. COMPLY WITH OSHA AND NEC ARC FLASH PROTECTION REQUIREMENTS.</div><div>B. FOR EQUIPMENT BEING REMOVED AND REPLACED, THE CONTRACTOR SHALL DE-ENERGIZE THE EQUIPMENT AND MAKE IT SAFE PRIOR TO REMOVAL AND COMPLY WITH OSHA REQUIREMENTS FOR LOCKING-OUT AND TAGGING EQUIPMENT TO PREVENT INADVERTENT RE-ENERGIZING.</div><div>C. WHERE EQUIPMENT IS BEING REMOVED, BUT NOT REPLACED, REMOVE THE CONDUCTORS FEEDING THE EQUIPMENT BACK TO THE POINT WHERE THEY RECEIVE POWER. REMOVE ACCESSIBLE CONDUITS. ABANDON-IN-PLACE INACCESSIBLE CONDUITS. AFTER REMOVAL OF EQUIPMENT, REPAIR ANY OPENING LEFT TO MATCH SURROUNDING WALLS, CEILINGS, OR FLOORS TO THE CONTRACTING OFFICER SATISFACTION.</div><div>D. COORDINATE WITH THE OTHER TRADES, PRIOR TO BID, AND INCLUDE IN THE BASE BID THE ELECTRICAL DISCONNECTION OF ANY EQUIPMENT BEING DEMOLISHED, EVEN IF NOT EXPLICITLY SHOWN. UNLESS NOTED OTHERWISE, REMOVE ALL DEMOLISHED EQUIPMENT FROM THE PROPERTY.</div></div>		

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

 <div>2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfindesign.com</div>	SHEET TITLE: ELECTRICAL GENERAL & DEMOLITION NOTES	E-2
 <div>JULY 27, 2018</div>	<div>TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150</div> <div>DES. JLG DR. JLG CHK. WAC SUBMITTED BY: DESIGN DR. T H BURTON, PE</div> <div>APPROVED: DATE F 80091</div> <div>SATISFACTORY TO: DATE</div>	
	<div>DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA</div> <div>INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA</div> <div>CODE IDENT. NO. 60024433 NAVFAC DRAWING NO. 60024433 CONST. CONTR. NO. N40085-17-D-0859</div> <div>SCALE: NOTED SPEC. 05-17-0075 SHEET 25 OF 34</div>	

REVISIONS			
SYL		DATE	APPROVED

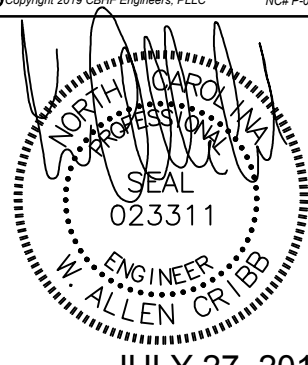
DEMOLITION KEYED NOTES

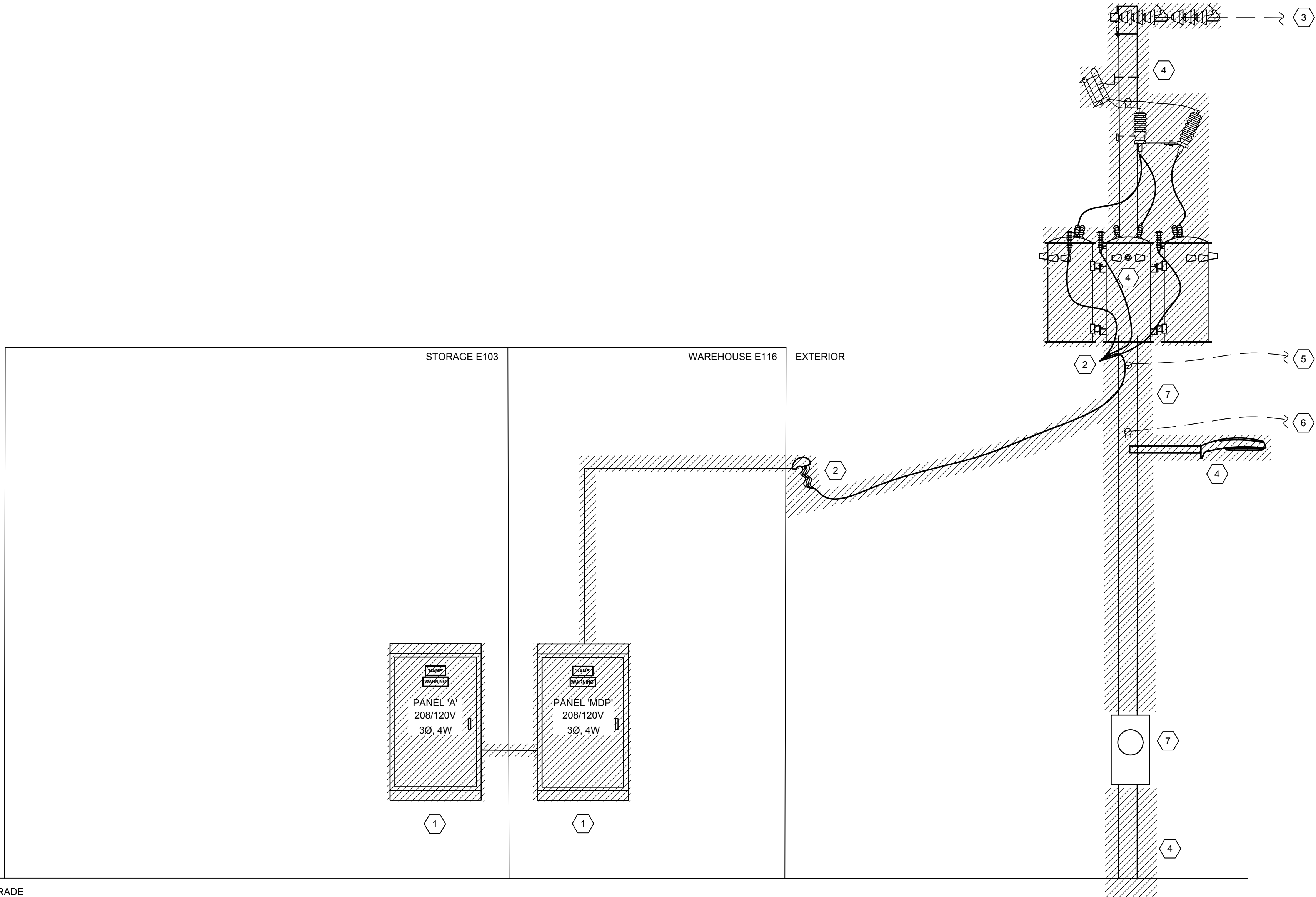
- 1
- PANELBOARD: DISCONNECT AND REMOVE FEED CONDUIT AND CONDUCTORS. REMOVE PANEL, BRANCH CIRCUIT CONDUIT AND CONDUCTORS IN THEIR ENTIRETY.
- 2
- OVERHEAD SECONDARY: DISCONNECT AND REMOVE CONDUIT, CONDUCTORS AND SUPPORTS IN THEIR ENTIRETY.
- 3
- PRIMARY CONDUCTORS: CONTRACTOR SHALL PROTECT DURING DEMOLITION AND CONSTRUCTION FOR RELOCATION AND RE-USE.
- 4
- UTILITY POLE & ELECTRICAL EQUIPMENT: CONTRACTOR SHALL REMOVE POLE, POLE MOUNTED TRANSFORMERS, DISCONNECT, LIGHT FIXTURE, WEATHERHEADS, CONDUITS AND CONDUCTORS IN THEIR ENTIRETY.
- 5
- SECONDARY SITE LIGHTING FEED CONDUCTORS: CONTRACTOR SHALL PROTECT DURING DEMOLITION AND CONSTRUCTION FOR RELOCATION TO NEW POLE AND RE-USE.
- 6
- OVERHEAD UTILITY TELCOM AND CATV CABLING: CONTRACTOR SHALL PROTECT DURING DEMOLITION AND CONSTRUCTION FOR RELOCATION TO NEW POLE AND RE-USE.
- 7
- (X)METER PAN, (X)KWH METER AND (X)CURRENT TRANSFORMERS: CONTRACTOR SHALL REMOVE, STORE AND PROTECT DURING DEMOLITION AND CONSTRUCTION FOR RE-USE.

KEYED NOTES

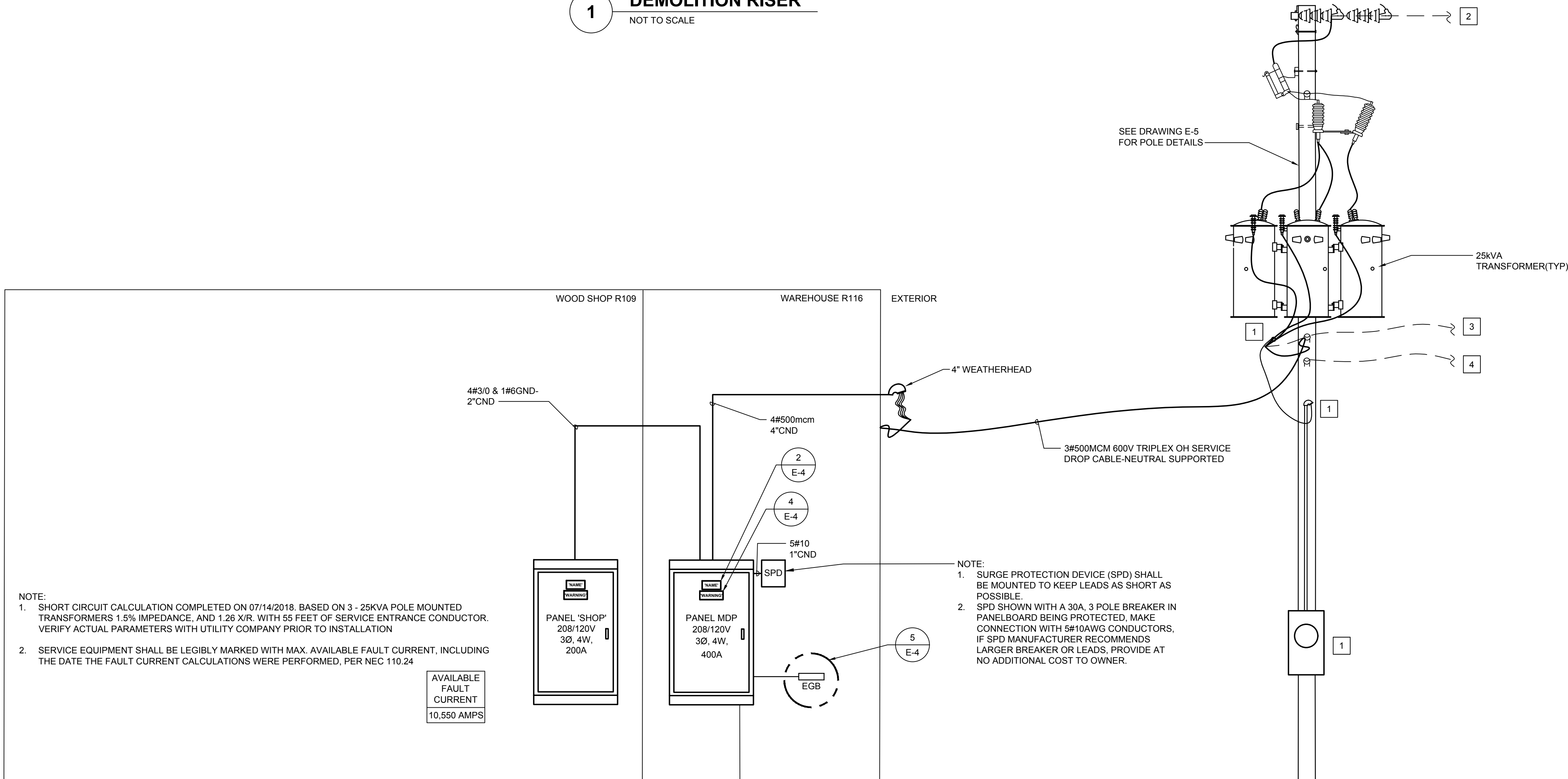
- 1
- (X)METER PAN, (X)KWH METER, (X)CURRENT TRANSFORMERS: CONTRACTOR SHALL INSTALL WIRING ALONG WITH (X)KWH METER, (X)METER BASE AND (X)CURRENT TRANSFORMERS REMOVED AND PROTECTED DURING DEMOLITION.
- 2
- PRIMARY CONDUCTORS: CONTRACTOR SHALL RELOCATE EXISTING CONDUCTORS PROTECTED DURING DEMOLITION TO POLE AND RE-USE.
- 3
- SECONDARY SITE LIGHTING FEED CONDUCTORS: CONTRACTOR SHALL RECONNECT EXISTING CABLING PROTECTED DURING DEMOLITION TO POLE AND FEED (X)DOWNSTREAM LIGHT FIXTURES FROM SECONDARY OF TRANSFORMERS.
- 4
- OVERHEAD UTILITY TELCOM AND CATV CABLING: CONTRACTOR SHALL RELOCATE EXISTING CABLING PROTECTED DURING DEMOLITION TO POLE.

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC <small>2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenr.com</small>	SHEET TITLE: ELECTRICAL RISER DIAGRAMS		E-3			
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
	DES. JLG	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA				
	DR. JLG					
	CHK. WAC	APPROVED: T H BURTON, PE				
	SUBMITTED BY:	DATE				
DESIGN DR. T H BURTON, PE		APPROVED:	DATE	SIZE		
SATISFACTORY TO:		DATE	CODE IDENT. NO.	NAVFAC DRAWING NO.		
JULY 27, 2018		DATE	80091	60024434		
SCALE: NOTED		SPEC. 05-17-0075	CONST. CONTR. NO. N40085-17-D-0859			
			SHEET 26 OF 34			



1 DEMOLITION RISER
NOT TO SCALE




2 RISER
NOT TO SCALE

PANEL MDP													SERVICE EQUIPMENT LISTED		
TYPE: NEMA 1			208	120	V.	3	PH.	4	WIRE	PROVIDE IF CHECKED:		XX XX	EQUIP. GROUND BUS NEUTRAL BUS GUTTER TAPS SUB-FEED LUGS		
ROU-TION DOOR-IN-DOOR WITH-IN HINGED TRIM FRONT COVER			MOULT: FEED:	SURFACE TOP											
LOAD SERVED			LOAD	CKT	CKT	LOAD VA			CKT	CKT	LOAD VA	LOAD SERVED			
PANEL SHOP			VA	BKR		A	B	C	#	BKR					
			13,013	200/3	1	13,733			2	20/1	720	RECEPT: R116, EXTERIOR GFI			
			14,295		3	14,655			4	20/1	360	RECEPTS: R116			
			13,289		5			14,009	6	20/1	720	RECEPTS: R116			
GUH03 & GUH02			888	15/1	7	1,608			8	20/1	720	RECEPT: R116			
GUH01 & GUH04			888	15/1	9	1,428			10	20/1	540	RECEPT: R116, EXTERIOR GFI			
PW01			1,176	20/1	11			1,620	12	20/1	444	COMPRESSOR			
DUST COLLECTOR			2,906	40/3	13	4,912			14	30/3	2,006	COMPRESSOR			
			2,906		15	4,912			16		2,006				
			2,906		17			4,912	18		2,006				
LIGHTS: R116			1,206	20/1	19	1,366			20	20/1	180	LIGHTS: EXTERIOR			
SPARE					20/1	21	172		22	20/1	172	LIGHTS: EXTERIOR			
SPARE					20/1	23		1,200	24	20/1	1,200	SIGN			
SPARE					20/1	25	800		26	20/1	800	LCT & TC1			
DHP01/DAH01(NOTE 2)			998	15/2	27	2,248			28	20/2	1,250	EW1H			
PW03			998		29			2,248	30		1,250				
PW03			696	15/1	31	696			32	20/1	SPARE	SPARE			
SPARE					33				34	20/1	SPARE	SPARE			
SPARE					35				36	20/1	SPARE	SPARE			
SPD				30/3	37				38	20/1	SPARE	SPARE			
					39				40	20/1	SPARE	SPARE			
					41				42	20/1	SPARE	SPARE			
NOTES:			23,115 23,415 23,989 TOTAL VOLT AMPS									400 A. BUS (COPPER)			
1. HVAC & REFRIGERATION EQUIPMENT MUST USE TYPE HACR BREAKERS.			103 195 200 CONN. AMPS									400 A. MAIN CIRCUIT BREAKER			
2. CONTRACTOR MUST PROVIDE CONDUIT AND CABLE FROM DHP01 TO DAH01												22 KAIC MIN.			

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

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JULY 27, 201

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	SIZE/APERTURE	VOLTS	LAMPS	WATTS	LENS	COLOR	MOUNTING HEIGHT	DRIVER	REMARKS
A	INDUSTRIAL HIGHBAY LED FIXTURE	89.5"L X 4.25"W X 3.125"H	MVOLT	LED 4000K 14,000	116	FROSTED ACRYLIC	WHITE	SUSPENDED 18" AFF	LED DRIVER	4
B	4' SUSPENSION DIRECT/INDIRECT LED FIXTURE FIBERGLASS REINFORCED HOUSING, STAINLESS HARDWARE	46.87"L X 4.25"W X 3.125"H	MVOLT	LED 4000K 2950 LUMENS	32	N/A	WHITE	8'-6" AFF	LED DRIVER	4
C	SURFACE MOUNTED LED WALL PACK, CONSTRUCTION: CAST OR EXTRUDED ALUMINUM POWDER COAT FINISH, POLYCARBONATE LED PROTECTANT COVERS	15"W X 6"D	MVOLT	LED 4000K 4500 LUMENS	21	ACRYLIC	DARK BRONZE	WALL MOUNTED ABOVE DOOR	LED DRIVER	3.5
D	SURFACE MOUNTED LED ENTRANCE LIGHT, CONSTRUCTION: CAST ALUMINUM TOP PLATE AND OUTER RING WITH POWDER COAT FINISH, POLYCARBONATE LED PROTECTANT COVERS	14.5"W X 12.75"H X 7"D	MVOLT	LED 4000K 1029 LUMENS	16.6	ACRYLIC	DARK BRONZE	WALL MOUNTED 7'-6" ABOVE DOOR	LED DRIVER	3.5,8
E	2-HEAD EMERGENCY FIXTURE CONSTRUCTION: INJECTION-MOLDED HIGH-IMPACT THERMOPLASTIC WITH SNAP-FIT COMPONENTS, TRACK AND SWIVEL LAMP ADJUSTMENT	12.5"W X 3.75"D X 3.75"H	MVOLT	2-1.8W LED SQUARE LAMPS	10	N/A	WHITE	WALL MOUNTED 7' 6" AFF	N/A	8
X	EXIT SIGN, SINGLE FACE, 6" RED LETTERS	12"W X 8"H X 2"D	MVOLT	LED	6	N/A	WHITE	SURFACE CEILING 7'-6" AFF WHEN WALL MOUNTED		8

REMARKS:

- 0-10V DIMMING DRIVER
- DAMP LOCATION
- WET LOCATION
- WIREGUARD
- LED REQUIRED SURGE PROTECTION

- HAZARDOUS LOCATION
- DRIVER SHALL BE RATED -20 DEG C to 40 DEG C
- 90 MIN BATTERY BACKUP - INTEGRAL
- 90 MIN BATTERY BACKUP - EXTERNAL REMOTE MOUNTED
- INTEGRAL PHOTOCELL

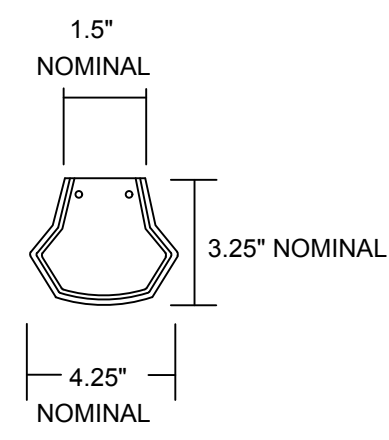
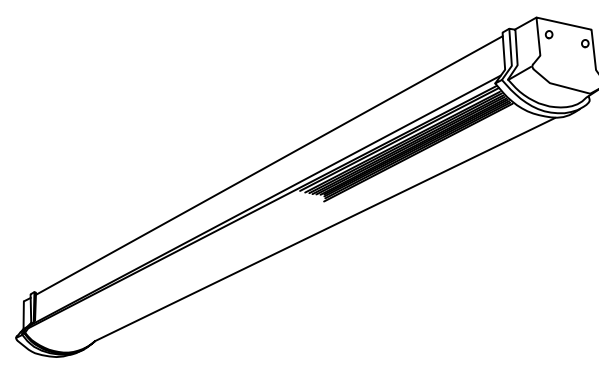
- PROVIDE DIRECTION ARROWS AS INDICATED

GENERAL NOTES:

- THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
- DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
- NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
- ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS.
- FIXTURES TO BE INSTALLED IN CEILINGS, INDICATE ON THE ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH THE CEILING SURFACE, SHALL BE IC RATED BY MANUFACTURER.
- LIGHTING FIXTURES SHALL MEET THE AESTHETICS, DESCRIPTION AND SPECIFICATIONS, SUBSTITUTIONS SHALL INCLUDE PT. BY PT. CALCULATIONS.
- LIGHTING FIXTURES, AS SPECIFIED, HAVE BEEN SO SELECTED TO ACHIEVE REQUIRED/DESIRED FOOTCANDLE LEVELS IN THEIR RESPECTIVE AREA. HENCE SPECIFIC FIXTURE CHARACTERISTICS WHICH MAY CREATE PARTICULAR ILLUMINATION RESULTS ARE ESSENTIAL. ANY DEVIATIONS FROM SPECIFIED FIXTURES SHALL DEEM THE SUBMITTING AGENT AND CONTRACTORS RESPONSIBLE IN PROVIDINGSUCH DEVIATION FOR THE ARCHITECT/ ENGINEER AND OWNER TO MAKE AN INFORMED DECISION.
- SUBSTITUTIONS ARE ACCEPTABLE AS LONG AS THEY ARE EQUAL TO THE FIXTURE SPECIFIED, UNLESS OTHERWISE NOTED THIS INCLUDES LENS, COLORS, REFLECTORS, PHOTOMETRICS, HOUSING MATERIAL, FINISHES, ETC. ALL
- ANY FIXTURE WITH THE TEXT "NL" ADJACENT TO IT SHALL INDICATE THAT THAT FIXTURE IS A NIGHT LIGHT (24HR LIGHT). THE FIXTURE SHALL BE CONNECTED TO THE UNSWITCHED HOT LEG OF THE INDICATED CIRCUIT.
- ACRYLIC PRISMATIC LENSES SHALL BE 0.156" NOMINAL MINIMUM THICKNESS.
- ALL EXIT AND EMERGENCY FIXTURES SHALL COMPLY WITH NCSBC STANDARDS AND HAVE AUTOMATIC TESTING DEVICES.
- LED EMERGENCY BATTERY SHALL PROVIDE 1400 MINIMUM LUMENS OUTPUT FROM 1 LAMP FOR 90 MINUTES MINIMUM.
- LED MODULES SHALL BE REPLACEABLE.
- SEE SPECIFICATIONS SECTIONS 265100 AND 265200 FOR ADDITIONAL REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM ARCHITECT/OWNER PRIOR TO PURCHASE AND ROUGH-IN.
- ALL LIGHTING FIXTURES PENETRATING RATED FLOOR/CEILING ASSEMBLY SHALL BE PROVIDED WITH ACCESSORIES TO MAINTAIN ASSEMBLY FIRE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL RATINGS.
- THE ABOVE FIXTURE TYPES ARE LISTED AS THE DESIGN BASIS. THE ACTUAL FIXTURES SUBMITTED SHALL BE MANUFACTURED IN THE UNITED STATES.
- PROVIDE MANUFACTURER INSTALLED NEC 2014 ARTICLE 410.130 (G) COMPLIANT DISCONNECTING MEANS FOR ALL APPLICABLE FIXTURES.

REVISIONS

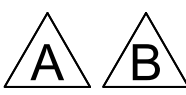
SYM.	DATE	APPROVED



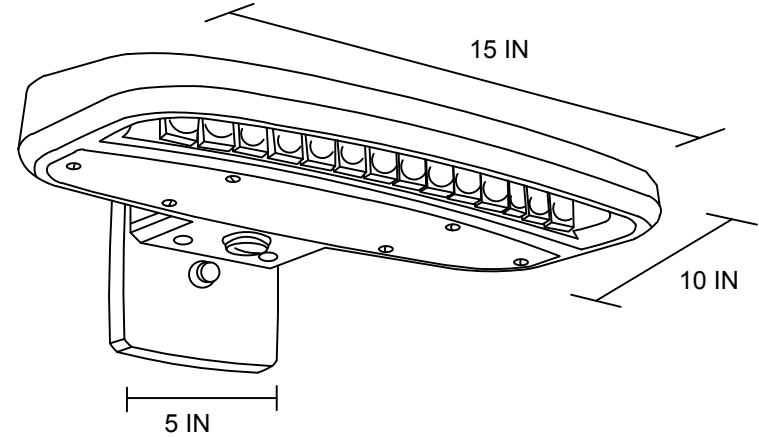
LUMINAIRE REQUIREMENTS:

- HOUSING - 2NOMINAL 4 1/4" X 3 1/4"RECTANGULAR HOUSING FORMED FROM COLD-ROLLED STEEL, AND END CAPS.
- END CAPS - DIE-CAST END CAPS ARE MECHANICALLY ATTACHED WITH NO EXPOSED FASTENERS. FLAT END CAPS STANDARD, SCULPTURED END CAPS OPTIONAL.
- COLOR - HOUSING AND END CAPS IS WHITE, BLACK OR PAINTED ALUMINUM.
- LUMINAIRE LENGTH - 2' AND 4' AND 8' TANDEM LENGTHS TO ACCOMMODATE MANY FIELD APPLICATIONS. 8' TANDEM UNIT IS TWO 4' OPTICAL ASSEMBLIES WITH A CENTER MULLION ON A SINGLE FULL LENGTH CHASSIS.
- SOURCE - MULTIPLE LED LUMEN PACKAGES AND THREE AVAILABLE COLOR TEMPERATURE OPTIONS (3000K, 3500K, AND 4000K) - ALL WITHIN 2.5 MACADAM ELLIPSE.
- OPTICS - FROSTED ACRYLIC DIFFUSER, WIDE LIGHT DISTRIBUTION WITH GLARE CONTROL.
- DIMMING DRIVER - SMOOTH CONTINUOUS AND FLICKER-FREE 0-10V DIMMING TO DARK (0.1%). SYNCING FOR CONTROLS: 2mA MAX. THD <20%. INSIGNIFICANT INRUSH CURRENT AT 120 AND 277VAC. FCC CLASS A AND B TESTED FOR EMI AND RFI.
- ELECTRICAL - LED LIGHT ENGINE - CONSISTING OF MODULAR LED BOARDS AND EL-OLED DIMMING DRIVER - RATED FOR 50,000 HOURS (L80) AT 25°C AMBIENT TEMPERATURE. SPECIFY 120V OR 277V. PRE-WIRED WITH 16WAG FIXTURE WIRE. PLUG-IN ELECTRICAL CONNECTORS INCLUDED.

LED 4' & 8' SUSPENDED DIRECT/INDIRECT FIXTURE



1 TYPE A & B DETAIL NOT TO SCALE



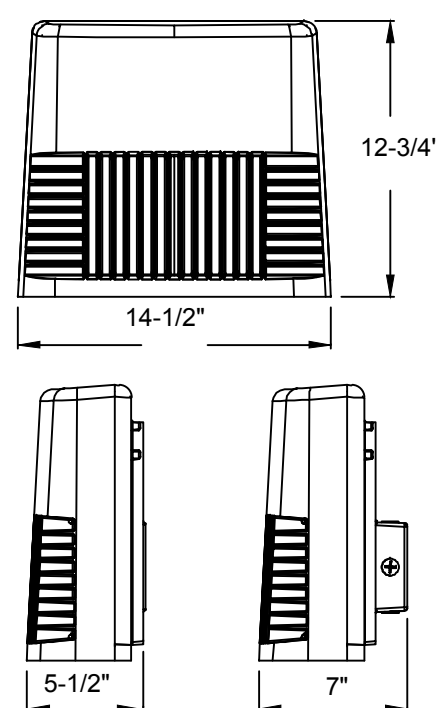
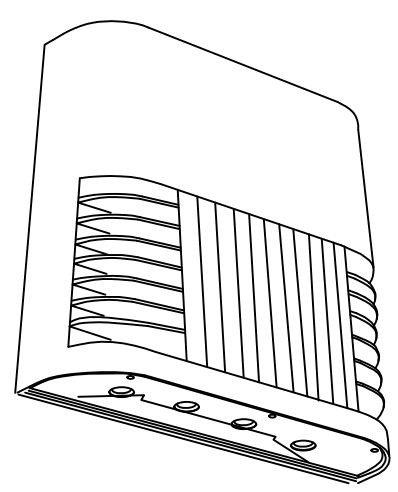
LUMINAIRE REQUIREMENTS:

- HOUSING - DIE-CAST OR EXTRUDED ALUMINUM WITH INTEGRAL PASSIVE COOLING MECHANISM. HEAT SINK SHALL BE INCORPORATED DIRECTLY INTO HOUSING OR DRIVER COMPARTMENT TO ENSURE MAXIMUM HEAT TRANSFER AND DISSIPATION.
- FINISH - MULTI-STAGE PRE-TREATMENT, FINISHED WITH BAKED-ON POLYESTER POWDER COAT. FINISH SHALL PASS 2500 HOUR SALT SPRAY TEST PER ASTM B117. STANDARD FINISH IS DARK BRONZE, WITH OTHER CUSTOM COLORS AVAILABLE.
- POWER SUPPLY/LED DRIVER - CLASS 1 DRIVER SHALL OPERATE AT 120/277 VOLTS, 50/60 HZ, WITH OTHER VOLTAGES OPTIONAL, POWER FACTOR GREATER THAN 0.9 AND THD LESS THAN 20% AT FULL LOAD. MINIMUM EFFICACY SHALL BE 80 LMW AT MAXIMUM 600mA OPERATING CURRENT.
- LED OPTICAL ASSEMBLY - PRECISION MOLDED ACRYLIC LENS PROVIDED FOR MULTIPLE HIGH-POWERED LEDS PRODUCING NEMA TYPE III DISTRIBUTION OR AS OTHERWISE INDICATED. BUG UPLIGHT RATING OF U0, WITH GLARE RATING AS DETERMINED BY LIGHTING ZONE INSTALLED. MINIMUM COLOR RENDERING INDEX (CRI) SHALL BE 70 FOR CORRELATED COLOR TEMPERATURE (CCT) OF 4000-4500 DEGREES K.
- CERTIFICATION - UL AND/OR ETL LISTED FOR DAMP OR WET LOCATIONS AS INDICATED, AND RoHS COMPLIANT.
- OPTIONS - VARIOUS LUMEN OUTPUT RATING AS INDICATED, PHOTOCELL, AND 0-10 VOLT DIMMING DRIVER.
- OTHER - THE ABOVE SKETCH IS A NON-PROPRIETY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS AND IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER'S PREFERENCE. ALL DIMENSIONS ARE NOMINAL AND VARY PER MANUFACTURER.

LED WALL PACK



2 TYPE C DETAIL NOT TO SCALE



FLUSH OR BACKBOX MOUNT

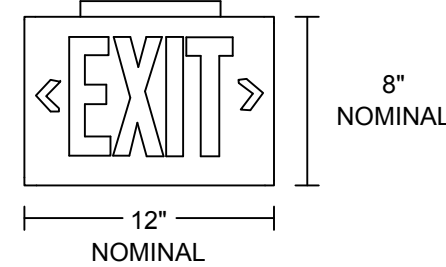
LUMINAIRE REQUIREMENTS:

- HOUSING - CAST ALUMINUM HOUSING.
- FINISH - THERMOSET POWDER COAT FINISH.
- LENS - CLEAR GLASS.
- LAMPS - LEDs.
- DRIVER - ELECTRONIC >90% POWER FACTOR.
- ELECTRICAL - 120/277V
- CERTIFICATION - UL LISTED AND LABELED.
- INTEGRAL 90 MIN BATTERY BACK-UP

LED EXTERIOR EGRESS SURFACE



3 TYPE D DETAIL NOT TO SCALE



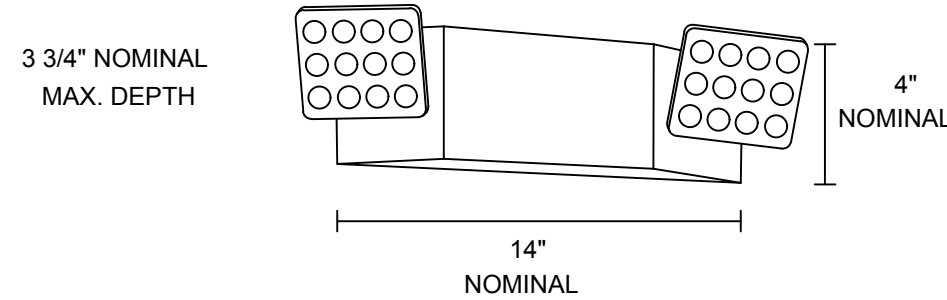
LUMINAIRE REQUIREMENTS

- HOUSING - DIE-CAST ALUMINUM OR HIGH-IMPACT, UV-STABILIZED, INJECTION-MOLDED THERMOPLASTIC. SINGLE OR DOUBLE-FACED AS INDICATED.
- FINISH (ON CAST ALUMINUM HOUSING ONLY) - TEXTURED POWDER COAT FINISH OPTIONS INCLUDE WHITE, WHITE WITH BRUSHED ALUMINUM FACE, BLACK, OR BLACK WITH BRUSHED ALUMINUM FACE.
- LETTERS/CHEVRONS - MINIMUM 6" HIGH WITH 3/4" STROKE. RED OR GREEN LETTERS AS INDICATED. PROVIDE CHEVRONS AS INDICATED EITHER LEFT, RIGHT OR BOTH DIRECTIONS AS INDICATED.
- EMERGENCY PACK - SOLID-STATE, CONSTANT-CURRENT TYPE BATTERY CHARGER WITH MAINTENANCE-FREE, NICKEL-CADMIUM BATTERY, AC-ON INDICATOR LAMP AND TEST SWITCH.
- MOUNTING - UNIVERSAL MOUNTING KIT FOR CEILING, WALL OR END-OF-FIXTURE MOUNTING.
- ILLUMINATION - PROVIDED BY RED, GREEN OR WHITE HIGH-OUTPUT LEDS INSIDE OF FIXTURE HOUSING. PROVIDE POLYSTYRENE DIFFUSER IN COLOR INDICATED WITH FREQUENCY-MATCHED SILKSCREEN COATING FOR MAXIMUM LED LIGHT OUTPUT.
- CERTIFICATION - UL LISTED AND CERTIFIED FOR DAMP LOCATIONS.

LED EXIT SIGN



4 TYPE X DETAIL NOT TO SCALE



LUMINAIRE REQUIREMENTS:

- HOUSING - INJECTION-MOLDED, FAME-RETARDANT, HIGH-IMPACT, THERMOPLASTIC HOUSING WITH SNAP-FIT DESIGN COMPONENTS. TRACK AND SWIVEL ARRANGEMENT PERMITS FULL RANGE OF LAMP ADJUSTMENT.
- OPTICS - TWO 1.8W LED LAMPS FOR EMERGENCY LIGHT.
- ELECTRICAL - DUAL-VOLTAGE INPUT 120V OR 277V AC. EMERGENCY UNIT PROVIDED WITH TEST SWITCH, STATUS INDICATOR AND RECHARGEABLE BATTERY. MAINTENANCE-FREE NICKEL-CADMIUM BATTERY, 90 MINUTES OF EMERGENCY POWER.
- LISTINGS - UL LISTED, MEETS UL 924, NFPA 101, NFPA 70-NEC AND OSHA ILLUMINATION STANDARDS. DAMP LOCATION 32°F TO 122°F (0°C TO 50°C) LISTED STANDARD.

EMERGENCY LIGHTING UNIT

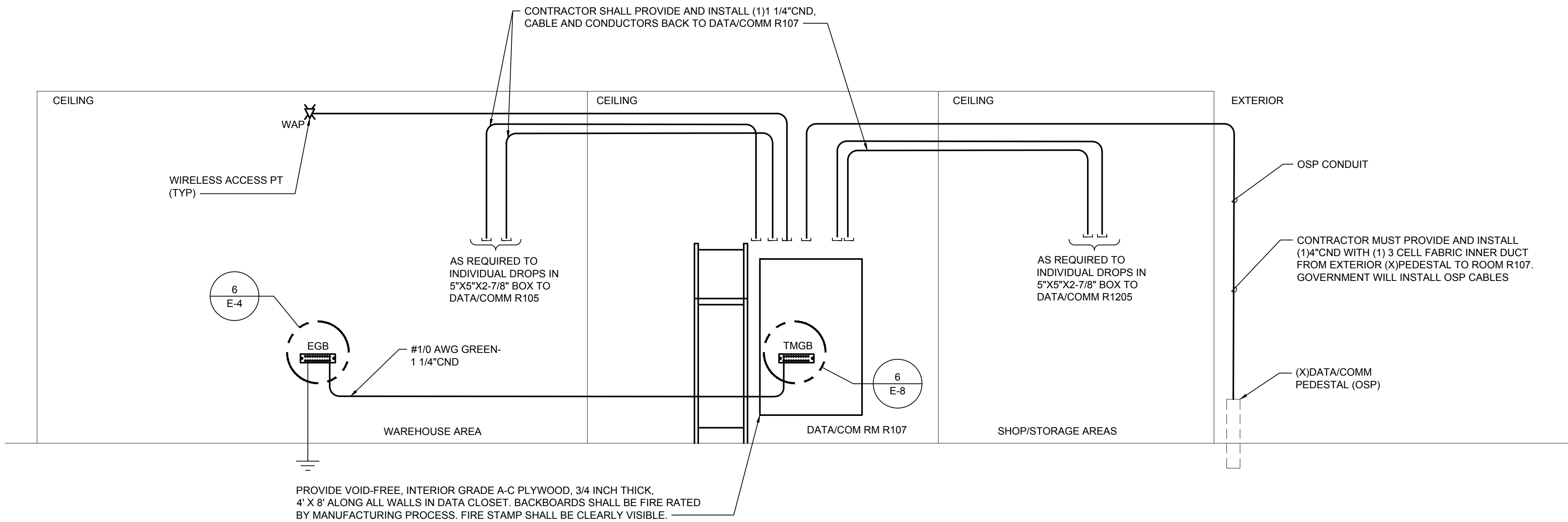


5 TYPE E DETAIL NOT TO SCALE

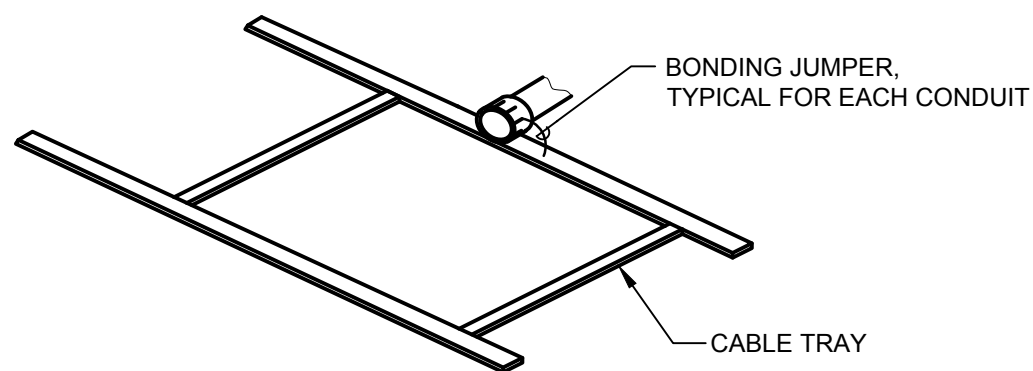
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenigneers.com	SHEET TITLE: ELECTRICAL LIGHTING SCHEDULE & DETAILS		E-7
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		
DES. JLG DR. JLG CHK. WAC SUBMITTED BY: DESIGN DR. T H BURTON, PE		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
APPROVED: [Signature] DATE: 02.23.11		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
SATISFACTORY TO:		DATE: 05-17-0075	SCALE: NOTED
CODE IDENT. NO. 80091		NAVFAC DRAWING NO. 60024438	CONST. CONTR. NO. N40085-17-D-0859
SHEET 30 OF 34		SHEET 30 OF 34	

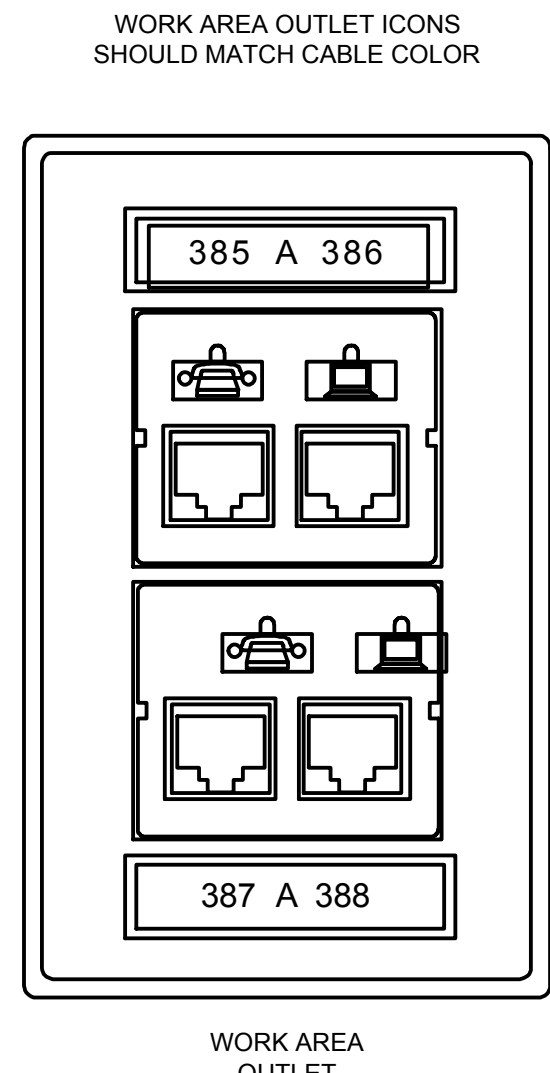
REVISIONS			
SYL		DATE	APPROVED



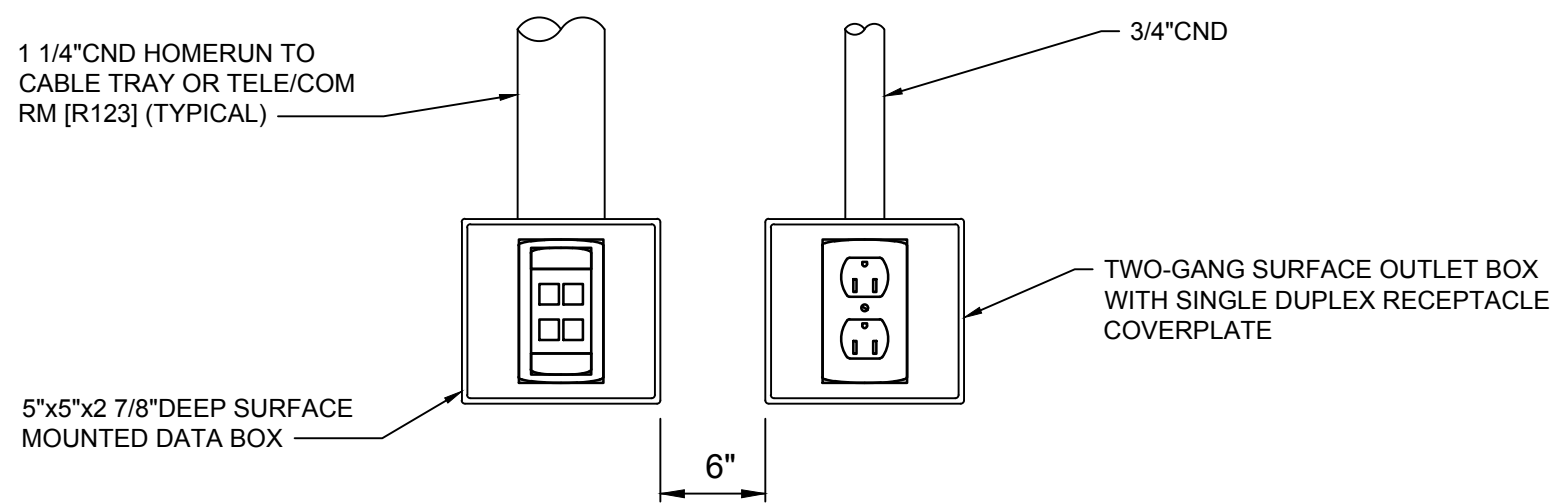
1 TELECOMMUNICATION RISER
NOT TO SCALE



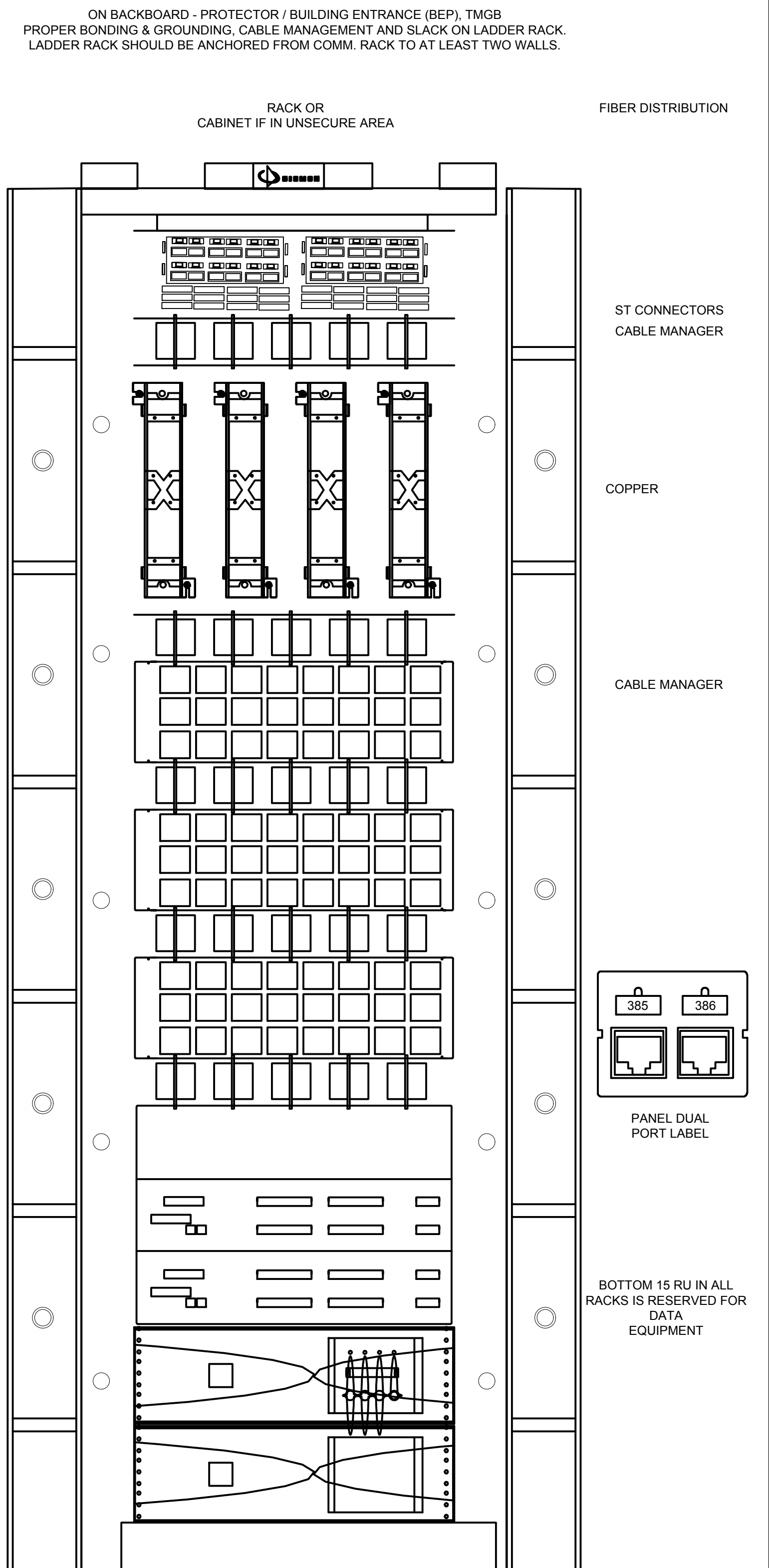
2 CONDUIT TO TRAY BONDING DETAIL
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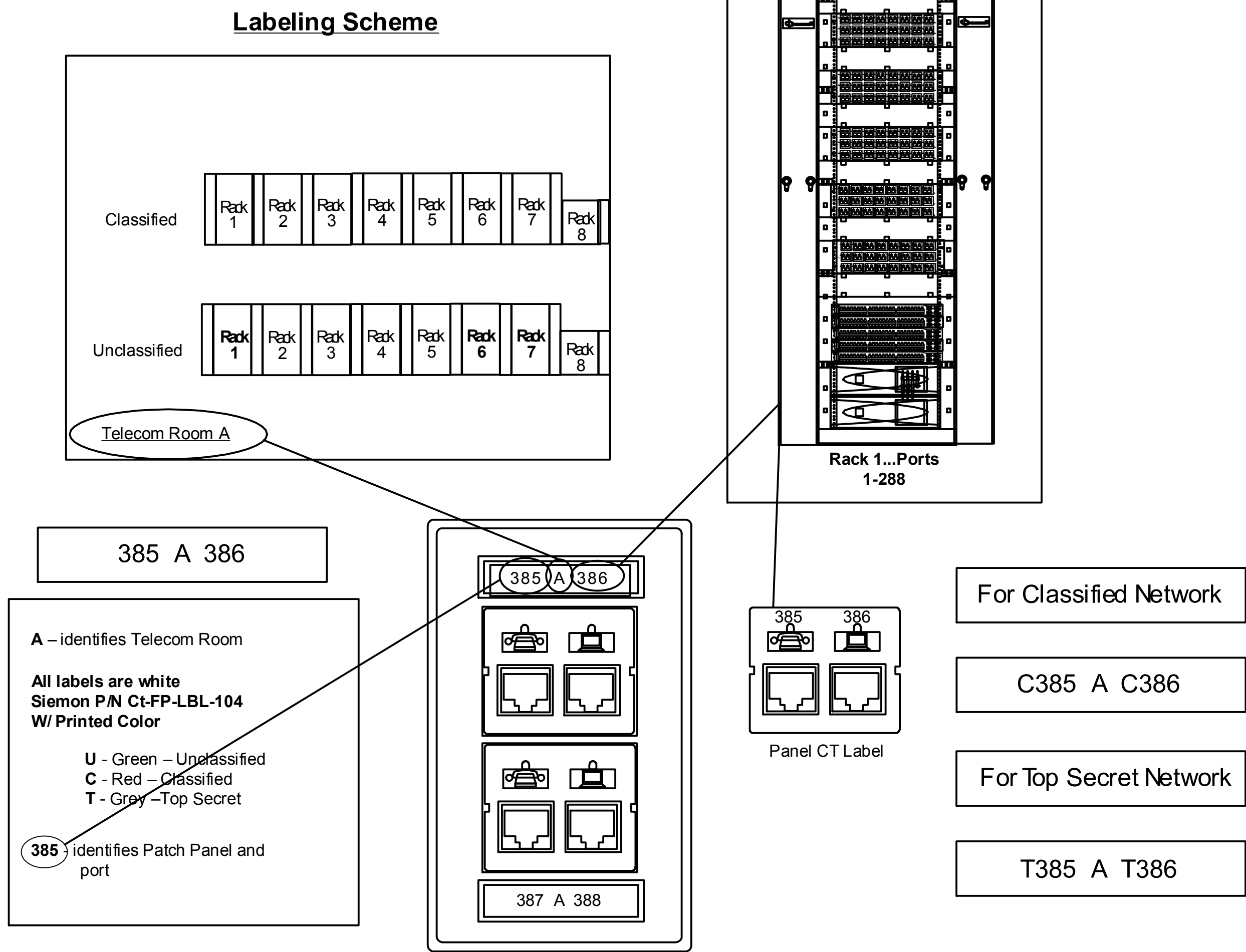
4 TYPICAL DATA OUTLET DETAIL
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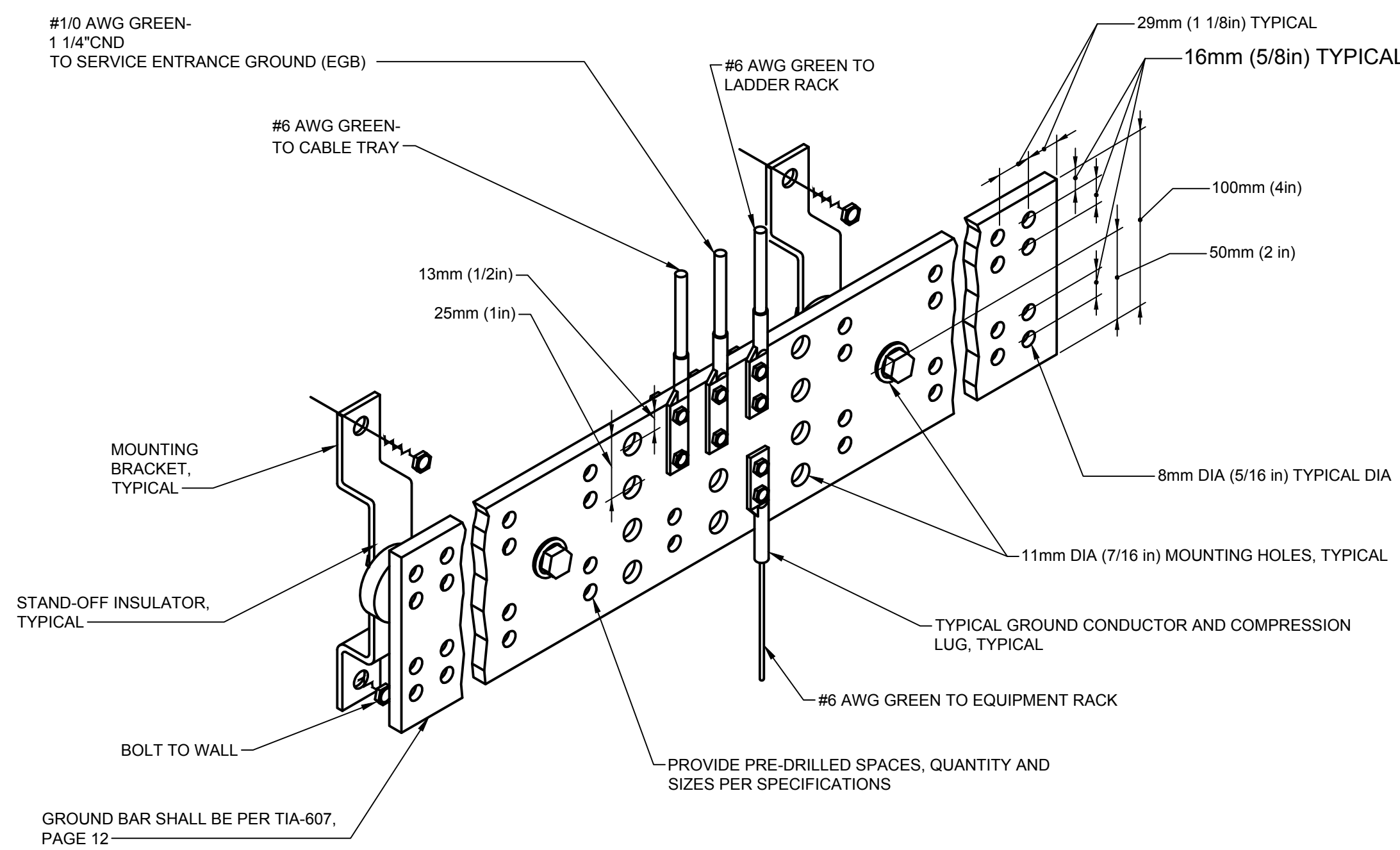
5 DATA/RECEPTACLE MOUNTING DETAIL
NOT TO SCALE



7 ENCLOSURE RACK ELEVATION EXAMPLE
NOT TO SCALE



3 DATA OUTLET LABELING DETAIL
NOT TO SCALE



6 TELECOMMUNICATIONS GROUND BAR 'TMGB' DETAIL
NOT TO SCALE

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfindengineers.com	SHEET TITLE: ELECTRICAL TELCOM RISER AND DETAILS		E-8	
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
	DES: JLG	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA		
	DR: JLG			
	CHK: WAC			
	SUBMITTED BY:			
DESIGN DIR: T H BURTON, PE	APPROVED:	DATE	SIZE	CODE IDENT. NO.
			F	80091
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC: 05-17-0075	NAVFAC DRAWING NO. 60024439 CONST. CONTR. NO. N40085-17-D-0859
JULY 27, 2018		SHEET 31 OF 34		

REVISIONS			
SYL.		DATE	APPROVED

DEMOLITION KEYED NOTES

- 1 RECEPTACLES: DEVICE, BOXES, CONDUIT AND CONDUCTORS SHALL BE REMOVED COMPLETE TO SOURCE. CONCEALED BOXES AND CONDUIT SHALL BE ABANDONED IN PLACE AND CUT FLUSH WITH WALL. BOX SHALL BE FILLED AND PATCHED TO MATCH WALL FINISH.
- 2 HEATER SWITCH: REMOVE SWITCH, BOX, CONDUIT AND CONDUCTORS COMPLETE FROM HEATER TO SOURCE IN ENTIRETY.
- 3 PANELBOARD: DISCONNECT AND REMOVE FEED CONDUIT AND CONDUCTORS. REMOVE PANEL, BRANCH CIRCUIT CONDUIT AND CONDUCTORS IN ENTIRETY.
- 4 WOOD SHOP EQUIPMENT DISCONNECT: REMOVE DISCONNECT, CONDUIT AND CONDUCTORS COMPLETE TO EQUIPMENT AND SOURCE IN ENTIRETY.
- 5 COMPRESSOR DISCONNECT: REMOVE DISCONNECT, CONDUIT AND CONDUCTORS COMPLETE TO COMPRESSOR AND SOURCE IN ENTIRETY.
- 6 DUST COLLECTOR DISCONNECT SWITCH/MOTOR STARTER: REMOVE DISCONNECT/MOTOR STARTER, CONDUIT AND CONDUCTORS COMPLETE TO EQUIPMENT AND SOURCE IN ENTIRETY.
- 7 EXHAUST FAN SWITCH: REMOVE SWITCH, BOX, CONDUIT AND CONDUCTORS COMPLETE TO FAN AND SOURCE IN ENTIRETY.
- 8 DISCONNECT SWITCH: REMOVE DISCONNECT, CONDUIT AND CONDUCTORS COMPLETE TO EQUIPMENT AND SOURCE IN ENTIRETY.
- 9 GABLE EXHAUST FAN: REMOVE SWITCHES, BOXES, COMPONENTS, CONDUIT AND CONDUCTORS COMPLETE TO FANS AND SOURCE IN ENTIRETY.
- 10 LIGHT FIXTURE: REMOVE FIXTURE, BOXES, CONDUIT AND CONDUCTORS COMPLETE TO SOURCE IN ENTIRETY.
- 11 FIXTURE CONTROL: REMOVE CONTROL, BOXES, CONDUIT AND CONDUCTORS COMPLETE TO SOURCE IN ENTIRETY.

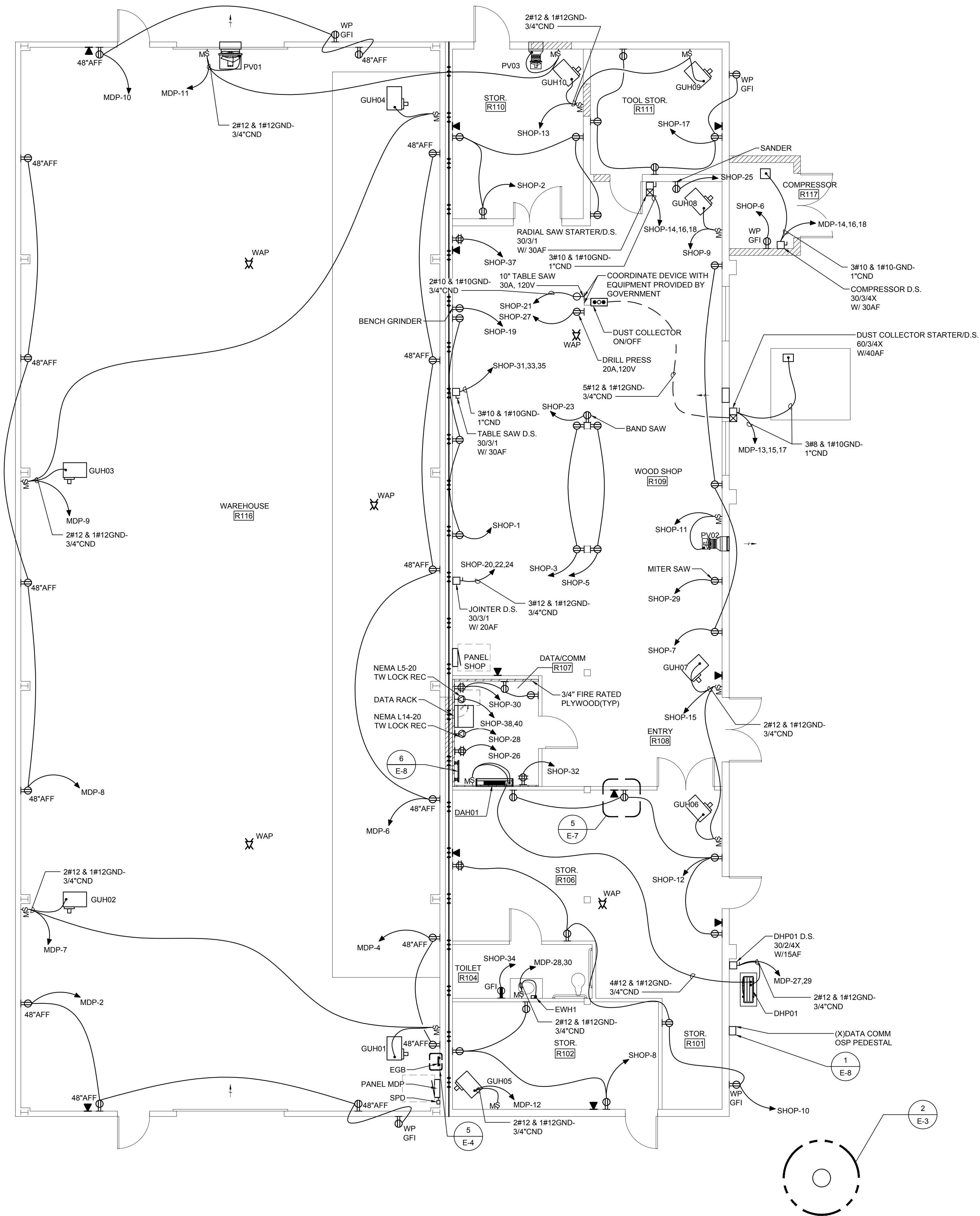


1 DEMOLITION FLOOR PLAN
3/16" = 1'-0"

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenigneers.com	SHEET TITLE: ELECTRICAL DEMOLITION FLOOR PLAN		E-9
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		
	DES. JLG	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
	DR. JLG	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
	CHK. WAC		
	SUBMITTED BY:		
	DESIGN DR. T H BURTON, PE		
APPROVED:	DATE	SIZE	CODE IDENT. NO.
		F	80091
SATISFACTORY TO:	DATE	SCALE: NOTED	NAVJAC DRAWING NO. 60024440
		SPEC. 05-17-0075	CONST. CONTR. NO. N40085-17-D-0859
JULY 27, 2018			SHEET 32 OF 34

REVISIONS			
SYM.		DATE	APPROVED



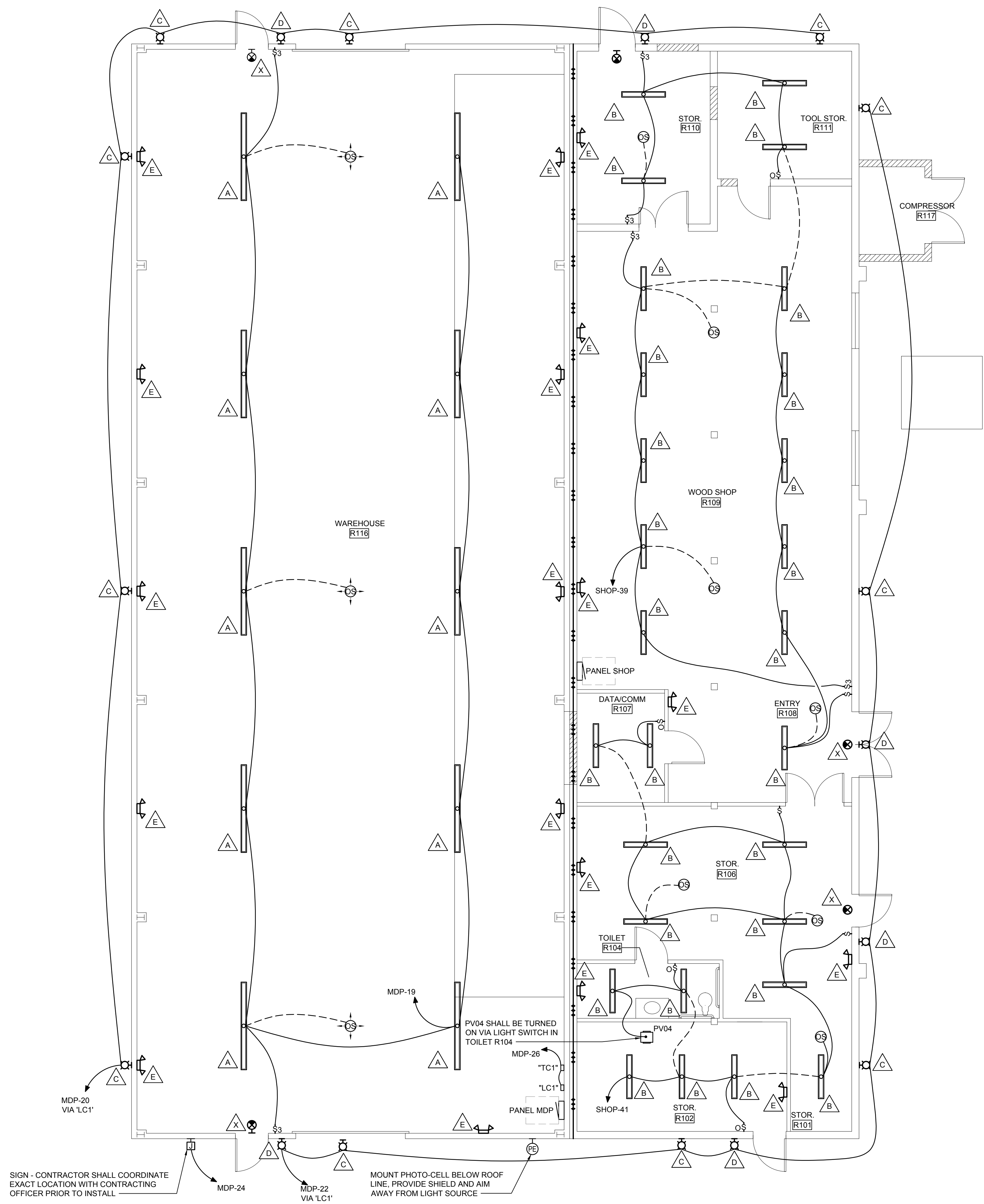
1 POWER AND SYSTEMS FLOOR PLAN
3/16" = 1'-0"

PLAN NORTH

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaugon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenigneers.com	SHEET TITLE: ELECTRICAL POWER & SYSTEMS FLOOR PLAN		E-10	
	DESIGNED BY: JLG CHECKED BY: WAC SUBMITTED BY: DESIGN DIR. T H BURTON, PE		TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150 DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
	APPROVED: _____ DATE _____		INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA	
	SATISFACTORY TO: _____ DATE _____		SIZE: F CODE IDENT. NO.: 80091 CONST. CONTR. NO.: N40085-17-D-0859	NAVJAC DRAWING NO.: 60024441 SHEET 33 OF 34

REVISIONS			
SYN.		DATE	APPROVED



1 LIGHTING FLOOR PLAN
3/16" = 1'-0"



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-1

CBHF Engineers, PLLC 2246 Yaupon Drive Wilmington, NC 28401 Phone: 910.791.4000 Fax: 910.791.5266 www.cbhfenrners.com	SHEET TITLE: ELECTRICAL LIGHTING FLOOR PLAN		E-11		
	TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		
	DES. JLG	INTERIOR/EXTERIOR REPAIRS BLDG. AS124 CAMP LEJEUNE, NORTH CAROLINA			
	DR. JLG				
	CHK. WAC				
	SUBMITTED BY:				
DESIGN DIR. T H BURTON, PE	APPROVED:	DATE	SIZE F	CODE IDENT. NO. 80091	NAVFAC DRAWING NO. 60024442
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC. 05-17-0075	CONST. CONTR. NO. N40085-17-D-0859	SHEET 34 OF 34