

GENERAL NOTES

- 1. GENERAL**
- 1.A. STRUCTURAL BASE BID INCLUDES ALL WORK EXCEPT FOR WORK IDENTIFIED AS BID OPTIONS BELOW.
- BID OPTION: ADDING OF SLAB AT SOUTH ENTRANCE TO RAISE FLOOR FOR EXTERIOR RAMP.
 - BID OPTION: STEEL FRAMING AT WINDOW REPLACEMENT.
- 1.B. THIS PROJECT IS SUBJECT TO IBC 2012 SPECIAL INSPECTION REQUIREMENTS AS MODIFIED BY UFC 3-301-01 AND UFC 3-600-01. THE STATEMENT AND SCHEDULE OF SPECIAL INSPECTIONS DEFINE THE SCOPE OF SPECIAL INSPECTIONS AND ARE INCLUDED WITH THE PROJECT SPECIFICATIONS. STRUCTURAL OBSERVATIONS FOR WIND REQUIREMENTS AND SEISMIC RESISTANCE ARE NOT REQUIRED SINCE THE NOMINAL WIND SPEED FOR THE PROJECT LOCATION DOES NOT EXCEED 110 MPH FOR EXPOSURE CATEGORY D AND THE SEISMIC DESIGN CATEGORY IS NOT D, E OR F.
- 1.C. EXISTING GRAVITY, SEISMIC AND WIND FORCE-RESISTING SYSTEMS THAT ARE NOT BEING ALTERED OR REPAIRED HAVE NOT BEEN UPGRADED OR STRENGTHENED TO CONFORM TO CURRENT CODE REQUIREMENTS. THE PORTIONS OF THE STRUCTURE SHOWN TO BE ALTERED ARE CLASSIFIED AS LEVEL 3 ALTERATIONS. NEW CONSTRUCTION STRUCTURAL ELEMENTS FOR THOSE ALTERATIONS COMPLY WITH THE REQUIREMENTS OF THE REFERENCED CODES AND STANDARDS.
- 1.D. THESE NOTES, AND OTHER DRAWING NOTES CONTAINED WITHIN, ARE PROVIDED TO MEET SPECIFIC REQUIREMENTS AND TO SUPPLEMENT THE CONTRACT SPECIFICATIONS. THESE NOTES NEITHER REPLACE NOR OVERRIDE THE PROVISIONS AND REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
- 1.E. COORDINATE STRUCTURAL WORK WITH WORK SHOWN ON OTHER DRAWINGS.
- 1.F. CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. BEFORE PROCEEDING WITH WORK WITHIN THE EXISTING STRUCTURE, BECOME FAMILIAR WITH THE EXISTING STRUCTURAL CONDITIONS. PROVIDE MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING, TEMPORARY BRACING AND OTHER SAFEGUARDS TO PROTECT THE STRUCTURE AND MAINTAIN IT IN A SAFE AND STABLE CONDITION AT ALL TIMES DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION. UNDERTAKE MEASURES TO ENSURE SAFETY OF PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. VISITS TO THE SITE BY THE CONTRACTING OFFICER DO NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
- 1.G. FIELD VERIFY DIMENSIONS, ELEVATIONS AND OTHER REQUIREMENTS NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING. DIMENSIONS SHOWN TO EXISTING STRUCTURAL ELEMENTS ARE APPROXIMATE AND ADEQUATE FOR BIDDING PURPOSES ONLY. TAKE MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL ELEMENTS. BRING DISCREPANCIES TO THE ATTENTION OF THE CONTRACTING OFFICER.
- 1.H. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE CONTRACT DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION MUST BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR SUBJECT TO THE APPROVAL OF THE CONTRACTING OFFICER. WHERE SECTIONS VARY, PROVIDE FOR SMOOTH TRANSITIONS BETWEEN THEM, UNLESS NOTED OTHERWISE.
- 2. DESIGN STANDARDS**
- 2.A. THE INTERNATIONAL BUILDING CODE 2012 AND THE INTERNATIONAL EXISTING BUILDING CODE 2012 AS ADOPTED AND MODIFIED BY UFC 1-200-01 AND UFC 3-301-01 IS THE PRINCIPAL CODE OF RECORD.
- 2.B. ASCE 7, AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2010.
- 2.C. UNIFIED FACILITIES CRITERIA:
- UFC 1-200-01 (1 JULY 2013 WITH CHANGE 3, 1 AUGUST 2015) GENERAL BUILDING REQUIREMENTS
 - UFC 3-301-01 (1 JUNE 2013 WITH CHANGE 1, 15 MAY 2014) STRUCTURAL ENGINEERING
 - UFC 4-010-01 (9 FEBRUARY 2012 WITH CHANGE 1, 1 OCTOBER 2013) DoD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS
 - UFC 4-010-02 (9 FEBRUARY 2012) DoD MINIMUM ANTITERRORISM STANDOFF DISTANCES FOR BUILDINGS (FOUO)
- 2.D. U.S. ARMY CORPS OF ENGINEERS PROTECTIVE DESIGN CENTER TECHNICAL REPORT PDC-TR 06-08 (REVISION 1, 7 JANUARY 2008) SINGLE DEGREE OF FREEDOM STRUCTURAL RESPONSE LIMITS FOR ANTITERRORISM DESIGN
- 2.E. ACI 318, AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY, 2011.
- 2.F. ANSI/AISC 360, AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 2010.
- 2.G. AISI S100, AMERICAN IRON AND STEEL INSTITUTE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, 2012.
- 2.H. AWS D1.1, AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE - STEEL, 2011.
- 3. DESIGN LOADS**
- 3.A. RISK CATEGORY: II PER UFC 3-301-01 TABLE 2-2.
- 3.B. LIVE LOADS PER UFC 3-301-01 TABLE D-1
- PRIVATE ROOMS: 40 PSF.
 - CORRIDORS SERVING PRIVATE ROOMS: 80 PSF.
 - STAIRS, STAIR LANDINGS AND LOBBIES: 100 PSF.
 - ROOFS: 20 PSF MINIMUM
- 3.C. EQUIPMENT LOADS
- AS INDICATED FOR EQUIPMENT WEIGHING IN EXCESS OF 300 LBS.
 - IF EQUIPMENT FURNISHED IS HEAVIER THAN THE WEIGHTS INDICATED OR REQUIRES STRUCTURAL CHANGES FOR ANY OTHER REASON, AT NO ADDITIONAL COST TO THE OWNER AND WITH NO INCREASE IN CONTRACT TIME, PROVIDE ENGINEERING DESIGN CALCULATIONS AND ADDITIONAL STRUCTURAL WORK NECESSARY TO SUPPORT LOADS IN ACCORDANCE WITH THE DESIGN STANDARDS LISTED ABOVE.
- 3.D. WIND LOADS PER UFC 3-301-01 TABLE E-1 FOR FRAMES SUPPORTING ROOF TOP EQUIPMENT
- ULTIMATE DESIGN WIND SPEED: 140 MPH 3-SECOND GUST.
 - NOMINAL DESIGN WIND SPEED: 109 MPH 3-SECOND GUST.
 - EXPOSURE CATEGORY: D.
 - INTERNAL PRESSURE COEFFICIENT: +/- 0.18.
 - ENCLOSURE CLASSIFICATION: ENCLOSED.
 - TOPOGRAPHIC FACTOR: 1.0.
- 3.E. SNOW LOADS PER UFC 3-301-01 TABLE E-2
- GROUND SNOW LOAD: 30 PSF
 - EXPOSURE FACTOR: 0.9 FOR PARTIALLY EXPOSED AT TERRAIN CATEGORY D
 - THERMAL FACTOR, IMPORTANCE FACTOR AND TOPOGRAPHIC FACTOR: 1.0
- 3.F. SEISMIC LOADS PER UFC 3-301-01 TABLE E-3
- SINCE SEISMIC DESIGN CATEGORY IS B, MECHANICAL, ELECTRICAL AND MISCELLANEOUS EQUIPMENT DOES NOT REQUIRE PROTECTION FROM SEISMIC EVENTS.
 - MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS: S_s=0.16, S₁=0.06
 - DESIGN SPECTRAL RESPONSE PARAMETERS: S_{ds}=0.128, S_{d1}=0.07
 - IMPORTANCE FACTOR: 1.0
 - SITE CLASS: C (VERY DENSE SOILS AND SOFT ROCK)
 - SEISMIC DESIGN CATEGORY: B
 - BASIC SEISMIC FORCE-RESISTING SYSTEM AND SEISMIC RESPONSE COEFFICIENTS: NOT APPLICABLE. THE BASIC SEISMIC FORCE-RESISTING SYSTEM IS EXISTING AND IS NOT BEING ALTERED OR UPGRADED.

- 4. REINFORCED CONCRETE**
- 4.A. CONCRETE: NORMAL WEIGHT WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- 4.B. FORMWORK:
- COORDINATE CONCRETE WORK WITH THE PLACEMENT OF PIPING, INSERTS, FLOOR DRAINS, AND OTHER EMBEDDED ITEMS.
 - ACCURATELY PLACE, SUPPORT AND SECURE EMBEDDED ITEMS SUCH AS ANCHOR RODS AND WELD PLATES BEFORE PLACING CONCRETE TO PREVENT DISPLACEMENT OF EMBEDDED ITEM BEYOND PERMITTED TOLERANCES.
 - SLEEVE PIPING OR UTILITIES PASSING THROUGH CONCRETE TO MAINTAIN 1" CLEAR ALL AROUND, UNLESS NOTED OTHERWISE. (REFER TO OTHER DISCIPLINE DRAWINGS FOR SLEEVE DETAILS. PROVIDE MEASURES TO ENSURE THAT SLEEVES REMAIN FREE OF DEBRIS AND WATER DURING CONSTRUCTION.)
 - PROVIDE 3/4" CHAMFER STRIPS ON EDGES OF EXPOSED CONCRETE, UNLESS NOTED OTHERWISE.
 - WITH THE EXPLICIT PRIOR APPROVAL IN WRITING OF THE CONTRACTING OFFICER, FOOTINGS MAY BE EARTH-FORMED USING UNDISTURBED NATIVE SOIL. PROVIDE A MINIMUM EXCAVATION WIDTH 4" GREATER THAN INDICATED.
- 4.C. REINFORCING STEEL:
- BARS: ASTM A615 GRADE 60. SHOP FABRICATE BENT BARS AND BARS WITH HOOKS.
 - WELDED WIRE REINFORCEMENT: ASTM A1064. SHEET TYPE. DO NOT USE ROLL TYPE.
 - DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE ACI SP-66, ACI 301 AND ACI 318, AND THE CONCRETE REINFORCING STEEL INSTITUTE CRSI MANUAL OF STANDARD PRACTICE.
 - UNLESS NOTED OTHERWISE, USE THE FOLLOWING MINIMUM CONCRETE CLEAR COVER OVER REINFORCEMENT:
 - CONCRETE CAST AGAINST EARTH OR EXPOSED TO WEATHER: 3".
 - CONCRETE EXPOSED TO EARTH OR WEATHER:
 - #6 BARS AND LARGER: 2"
 - #5 BARS AND SMALLER AND WIRE: 1-1/2"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - SLABS AND WALLS: 3/4"
 - BEAMS, JOISTS AND COLUMNS (TO TIES OR STIRRUPS): 1-1/2"
 - UNLESS NOTED OTHERWISE, USE THE FOLLOWING MINIMUM CONCRETE CLEAR COVER OVER REINFORCING STEEL BARS:
 - MINIMUM STRAIGHT EMBEDMENT LENGTHS:
 - #6 BARS AND SMALLER: 38 BAR DIAMETERS
 - #7 BARS AND LARGER: 48 BAR DIAMETERS
 - MINIMUM LAP SPLICE LENGTHS:
 - #6 BARS AND SMALLER: 50 BAR DIAMETERS
 - #7 BARS AND LARGER: 63 BAR DIAMETERS
 - MINIMUM STANDARD HOOK EMBEDMENT LENGTHS: 20 BAR DIAMETERS
 - HORIZONTAL BARS HAVING MORE THAN 12" OF CONCRETE PLACED BELOW THEM ARE CONSIDERED TOP REINFORCEMENT AND REQUIRE A MINIMUM STRAIGHT EMBEDMENT AND LAP SPLICE LENGTHS INCREASE BY NOT LESS THAN 30% OVER THE MINIMUM STRAIGHT EMBEDMENT LENGTHS AND MINIMUM LAP SPLICE LENGTHS NOTED ABOVE.
 - HOOK EMBEDMENT IS THE MINIMUM STRAIGHT LINE DISTANCE FROM THE CRITICAL SECTION OF THE BAR TO THE FARTHEST EDGE OF THE HOOK.
- 4.D. EPOXY GROUT: ASTM C881, TYPE IV, GRADE 3, EXCEPT GEL TIMES. PROVIDE MINIMUM EMBEDMENT LENGTH REQUIRED TO DEVELOP ULTIMATE STRENGTH OF BAR.
- 4.E. RIGID INSULATION: ASTM C578, TYPE VI, 4-INCH THICKNESS, EXTRUDED POLYSTYRENE.
- 4.F. OVERLAY: SIKATOP 122 TWO-COMPONENT, POLYMER-MODIFIED, CEMENTITIOUS, TROWEL-GRADE MORTAR AS MANUFACTURED BY SIKA CORPORATION OR AN APPROVED EQUIVALENT. EXTEND MORTAR WITH AGGREGATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR THICKNESSES GREATER THAN 1-INCH.
- 4.G. JOINTS:
- LOCATE CONSTRUCTION, CONTRACTION, ISOLATION, EXPANSION, AND OTHER JOINTS AS INDICATED OR SPECIFIED, OR OTHERWISE APPROVED BY THE CONTRACTING OFFICER. CLEAN SURFACES OF HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS TO REMOVE LAITANCE AND EXPOSE CLEAN COARSE AGGREGATE SOLIDLY EMBEDDED IN MORTAR MIX. THOROUGHLY CLEAN AND WET SURFACE OF CONSTRUCTION JOINTS JUST PRIOR TO DEPOSITING CONCRETE.
- 5. STRUCTURAL STEEL**
- 5.A. STRUCTURAL STEEL FRAMING HAS BEEN DESIGNED FOR STRENGTH USING THE LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHODOLOGY AND FOR STABILITY USING THE DIRECT ANALYSIS METHOD OF DESIGN.
- 5.B. PROVIDE MATERIALS CONFORMING WITH THE FOLLOWING:
- SHAPES, PLATES, MISCELLANEOUS SHAPES: ASTM A36, F_y = 36 KSI.
 - RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C OR ASTM A1085, F_y=50 KSI.
 - WELDING: AWS D1.1 USING E70 ELECTRODES WITH LOW HYDROGEN WHERE REQUIRED.
 - HIGH STRENGTH BOLTS: ASTM A325N WITH THE FOLLOWING DIAMETERS:
 - 3/4" DIAMETER AT HSS4x4x5/16 JAMB CONNECTIONS
 - 7/8" DIAMETER AT HSS4x4x1/2 AND HSS6x4x1/2 JAMB CONNECTIONS
 - 1" DIAMETER AT HSS6x3x3/8 JAMB/POST CONNECTIONS
 - ANCHOR BOLTS: 1" DIAMETER ASTM F1554, GRADE 36, F_y = 36 KSI. INSTALL BOLTS IN 1 1/16-INCH DIAMETER HOLES.
 - ADHESIVE ANCHORS: 3/4" DIAMETER HILTI HAS-E B7 HIGH-STRENGTH STEEL ANCHOR RODS (F_y = 105 KSI) WITH HILTI HIT-RE 500 V3 EPOXY ANCHORING SYSTEM AS MANUFACTURED BY HILTI CORPORATION OR AN APPROVED EQUIVALENT. INSTALL RODS IN HAMMER DRILLED HOLES OR DIAMOND CORED HOLES WITH ROUGHENING TOOL TO ACHIEVE A 5-1/2" EMBEDMENT DEPTH.
 - CONCRETE SCREWS: HILTI KWIK HUS-EZ CONCRETE SCREWS AS MANUFACTURED BY HILTI CORPORATION OR AN APPROVED EQUIVALENT.
 - GROUT: ASTM C1107 CEMENTITIOUS NONSHRINK.
- 6. COLD-FORMED METAL FRAMING**
- 6.A. PROVIDE COLD-FORMED METAL FRAMING OF THE SIZE, GAGE, TYPE AND FINISH INDICATED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI), "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA).
- 6.B. SHAPE DESIGNATIONS: STUDS AND TRACKS PER SSMA PRODUCT TECHNICAL INFORMATION INDICATING MEMBER DEPTH, STYLE, FLANGE WIDTH AND MATERIAL THICKNESS.
- 6.C. FRAMING MEMBERS: FABRICATE COLD-FORMED FRAMING MEMBERS IN CONFORMANCE WITH ASTM C955 FROM G90 GALVANIZED STRUCTURAL QUALITY SHEET STEEL CONFORMING TO ASTM A653 WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL AND THINNER MEMBERS AND 50 KSI FOR MEMBERS THICKER THAN 43 MIL.
- 6.D. CONCRETE SCREWS: REFER TO STRUCTURAL STEEL NOTES.
- 6.E. WELDING: AWS D1.1 OR D1.3 AS APPLICABLE.

CALLOUT IDENTIFICATION

SECTION, DETAIL, AND ELEVATION SYMBOL IDENTIFIERS:

LETTER AND NUMBER DISCIPLINE DESIGNATOR FOR GRID COORDINATE

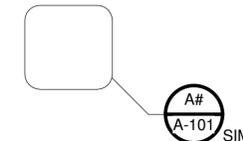
ONE OR TWO CHARACTER DISCIPLINE DESIGNATOR (MAY NOT BE PRESENT IF CALLOUT AND TITLE ARE ON DRAWINGS WITHIN THE SAME DISCIPLINE)

DRAWING SEQUENCE NUMBER INDICATES WHERE TITLE IS LOCATED (MAY NOT BE PRESENT IF CALLOUT AND TITLE ARE ON THE SAME DRAWING)

SECTION CALLOUT EXAMPLE:



DETAIL CALLOUT EXAMPLE:



ELEVATION CALLOUT EXAMPLE:



PLAN TITLE EXAMPLE:



SECTION, DETAIL, AND ELEVATION TITLE EXAMPLE:



NORTH ARROW EXAMPLE:



GRAPHIC SCALE EXAMPLE:



PLAN LEGEND

- XY PLAN KEY NOTE:
X=F FOR FRAMING
PLAN KEY NOTES
X=E FOR ENLARGED
PLAN KEY NOTES
Y=NOTE NUMBER
- EXISTING SLAB OPENING
- EXISTING ROUND SLAB OPENING FOR PLUMBING RISERS
- SLAB OPENING
- APPROXIMATE DIMENSION - FIELD VERIFY
- EXISTING CONCRETE COLUMN
- SLOPE UP
- SLOPE DOWN
- NOMINAL SLAB SLOPE:
X = RISE ROUNDED TO NEAREST 1/8"
Y = RUN.
- TOC XX'-XX" TOP OF CONCRETE ELEVATION FROM REFERENCE ELEVATION 100'-0"
- ROOF TOP MECHANICAL EQUIPMENT
- EXISTING GRID LINE
- X' - X" DIMENSION TO NEW CONSTRUCTION
- X' - X"± DIMENSION TO NEW CONSTRUCTION REQUIRING FIELD VERIFICATION
- X' - X"± DIMENSION TO EXISTING CONSTRUCTION REQUIRING FIELD VERIFICATION

DATE	APPROVED
DESCRIPTION	FOR COMMANDER NAVFAC / B.L.T.L.
SWN	ACTIVITY
	PER SET TO DOCUMENT FROM GERARD MONTANI (PHRANBRANCH HEAD) WITH FEED AT NAVAL STATION NEWPORT, RHODE ISLAND
	SATISFACTORY TO DATE 4/20/16
	DES DMS DRW BSDMS CHK MJDMS
	PM / DM MLWLEJ
	BRANCH MANAGER
	CHIEF ENGINEER DWG
	FIRE PROTECTION
	DEPARTMENT OF THE NAVY
	NAVAL FACILITIES ENGINEERING COMMAND
	NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC
	NORTH IPT
	NAVAL STATION NEWPORT
	NEWPORT, RHODE ISLAND
	RENOVATION OF NGIS, BUILDING 172
	GENERAL NOTES
	SCALE: AS NOTED
	EPROJCT NO. 13770079
	CONSTR. CONTR. NO.
	NAVFAC DRAWING NO. 12719397
	SHEET 12 OF 200
	S-001
	DRAWING REVISION: 10 MAY 2014

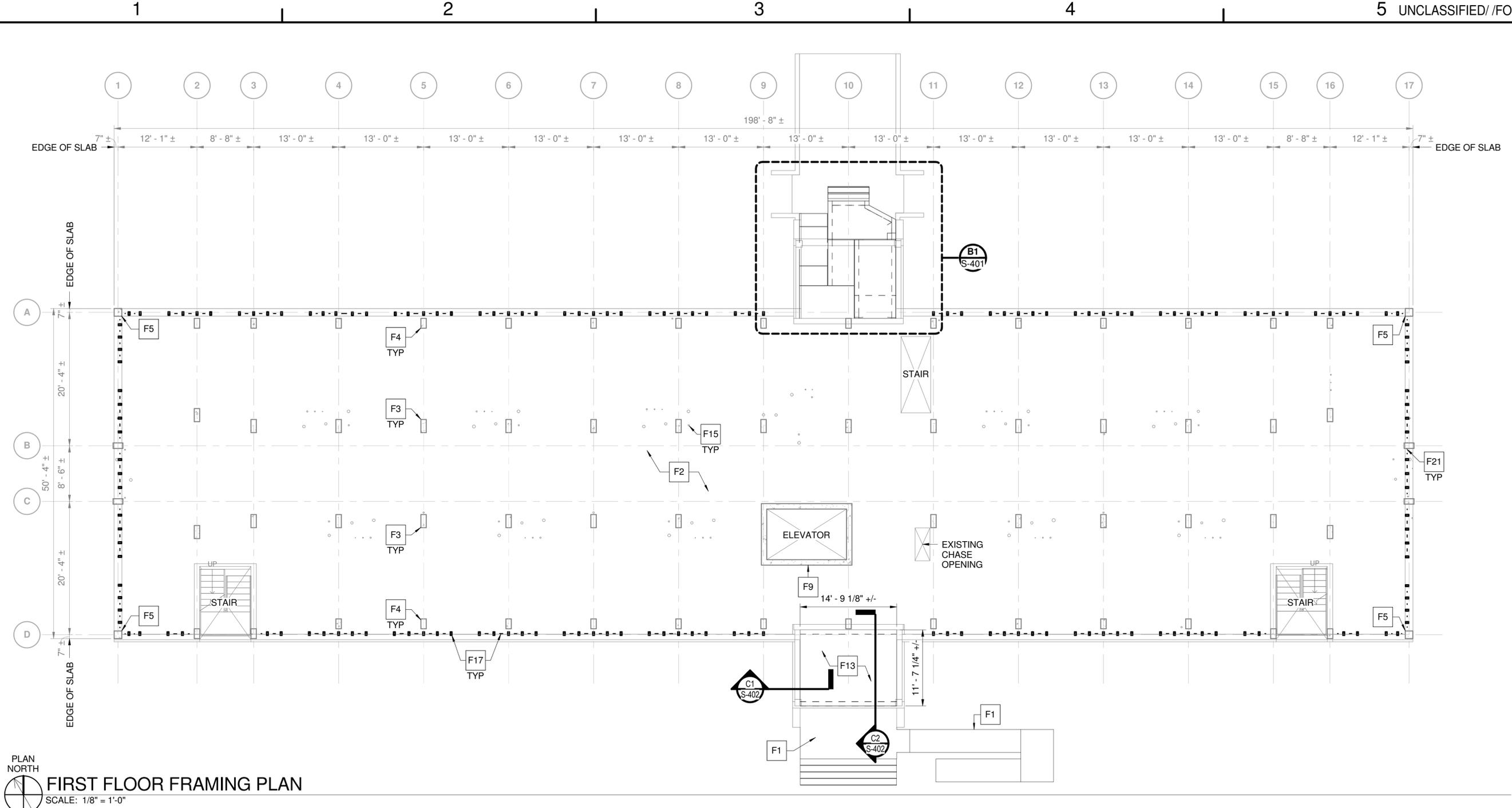
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PLAN NORTH
FIRST FLOOR FRAMING PLAN
 SCALE: 1/8" = 1'-0"

FRAMING PLAN GENERAL NOTES

- REFER TO SHEETS S-001 FOR GENERAL NOTES, CALLOUT IDENTIFICATION AND PLAN LEGEND.
- FIRST FLOOR REFERENCE ELEVATION IS 100'-0".

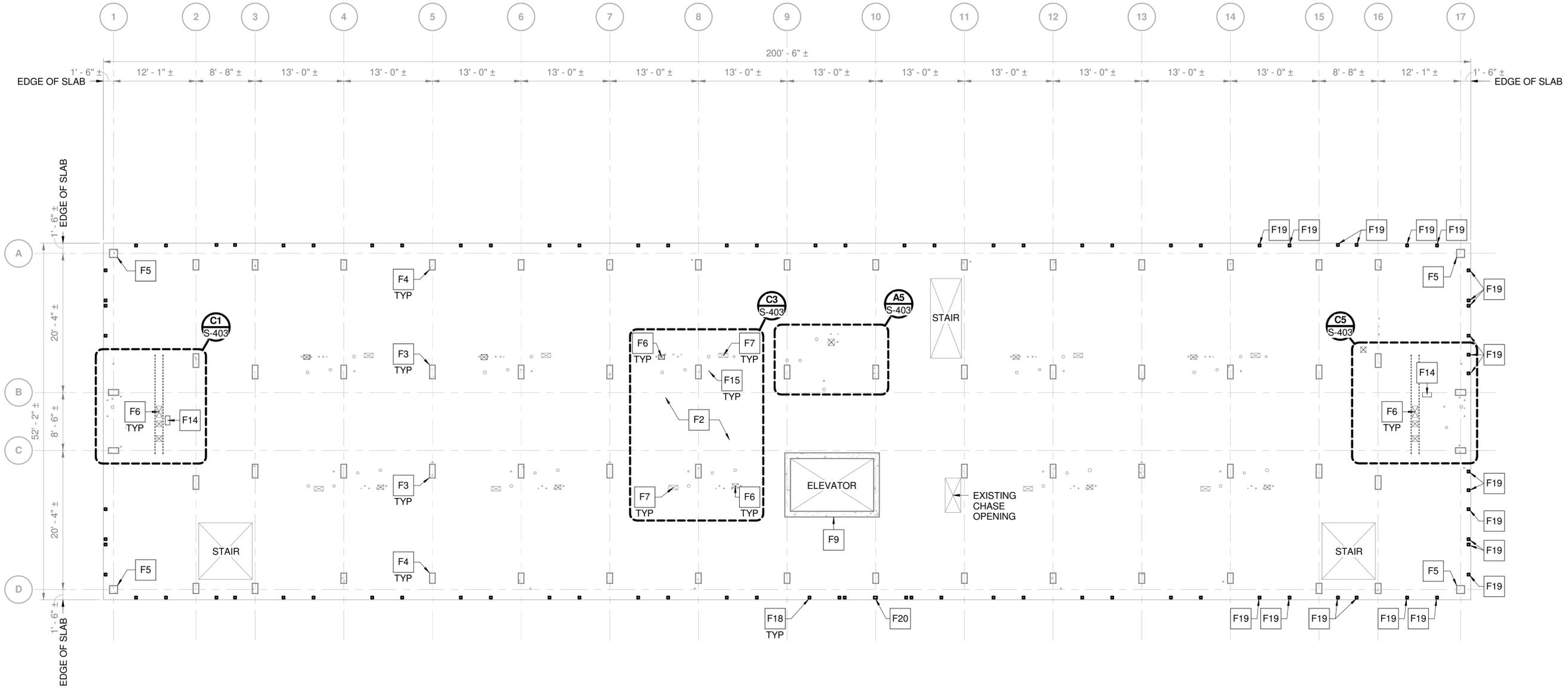
FRAMING PLAN KEY NOTES [FX]

- F1 EXTERIOR STAIR LANDING, STEPS AND RAMP. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS.
- F2 EXISTING 7-1/2" THICK REINFORCED CONCRETE FLAT PLATE. AT FIRST FLOOR, FLAT PLATE IS CONSTRUCTED OVER A BASEMENT BETWEEN GRID LINES 7 AND 12 AND OVER A CRAWL SPACE AT OTHER AREAS.
- F3 UNLESS NOTED OTHERWISE, EXISTING 10" WIDE X 24" DEEP REINFORCED CONCRETE COLUMN ALONG OR DIRECTLY ADJACENT TO GRID LINES B AND C.
- F4 UNLESS NOTED OTHERWISE, EXISTING 10" WIDE X 18" DEEP REINFORCED CONCRETE COLUMN ALONG OR DIRECTLY ADJACENT TO GRID LINES A AND D AND ALONG GRID LINES 1 AND 17.
- F5 EXISTING 14" WIDE X 14" DEEP REINFORCED CONCRETE COLUMN
- F6 FLOOR OPENING. REFER TO DETAILS ON S-403.
- F7 EXISTING 8" X 16" FLOOR OPENING.
- F8 EXISTING 4" THICK REINFORCED CONCRETE INFILL SLAB AT DIAGONAL HATCH AREA.
- F9 EXISTING 10" THICK REINFORCED CONCRETE WALLS AROUND ELEVATOR HOIST WAY.
- F10 ROOF TOP EQUIPMENT DOAS-1. EQUIPMENT WEIGHT USED FOR DESIGN IS 4,600 LBS. EQUIPMENT DIMENSIONS USED FOR CALCULATING AREA LOAD UNDER UNIT, SNOW LOADS AND WIND LOADS ARE: WIDTH=6'-2", LENGTH=17'-4" AND HEIGHT=5'-7".
- F11 DEMOUNTABLE HOIST SYSTEM LOCATED DIRECTLY ON EXISTING CONCRETE COLUMN CENTERLINE. ANCHOR HOIST SYSTEM TO EXISTING CONCRETE USING POST-INSTALLED ADHESIVE ANCHORING SYSTEM. SUBMIT ANCHORAGE DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER.
- F12 EXISTING ROOF HATCH OPENING.
- F13 CONCRETE SLAB/TOPPING REINFORCED WITH 6X6-W2.9XW2.9 WELDED WIRE REINFORCEMENT OVER RIGID INSULATION PLACED ON EXISTING CONCRETE SLAB. SLAB THICKNESS IS 4" UNLESS NOTED OTHERWISE.
- F14 INFILL EXISTING 8" X 16" FLOOR OPENING WITH CONCRETE. REFER TO DETAIL ON S-403.
- F15 EXISTING ROUND SLAB OPENING FOR PLUMBING RISERS. USE EXISTING SLAB OPENINGS FOR PLUMBING RISERS. DO NOT ENLARGE EXISTING OPENINGS OR CORE ADDITIONAL OPENINGS THROUGH SLAB.
- F16 OVERLAY PLACED OVER EXISTING CONCRETE SLAB.
- F17 HSS6X3X3/8 STEEL JAMBS AND POSTS AND HSS6X3X1/4 STEEL GIRTS ALONG BUILDING ELEVATIONS WITH NEW TYPE 4 WINDOWS. REFER TO DETAILS ON S-405.
- F18 UNLESS NOTED OTHERWISE, HSS4X4X5/16 STEEL JAMBS EACH SIDE OF OPENINGS AT NEW TYPE 1, 2, 3, 5 AND 6 WINDOWS. REFER TO DETAILS ON S-404.
- F19 HSS4X4X1/2 STEEL JAMBS EACH SIDE OF OPENINGS AT NEW TYPE 1, 2, 3, 5 AND 6 WINDOWS NEAR AND ALONG EAST END OF BUILDING. REFER TO DETAILS ON S-404.
- F20 HSS6X4X1/2 STEEL JAMB. REFER TO DETAILS ON S-404.
- F21 REFER TO DETAIL A4/S-405 FOR HSS GIRT TO EXISTING CONCRETE COLUMN CONNECTION.



DATE	APPR
DESCRIPTION	SWR
 NAVFAC DAVID M. SAMMONS Lic. No. 018865 5/5/16 PROFESSIONAL ENGINEER	
 BURNS MCDONNELL 1305 EXECUTIVE BLVD. SUITE 160 CHESAPEAKE, VA 23320	
APPROVED	AE INFO
FOR COMMANDER NAVFAC / B.L.T.L.	
ACTIVITY	
PER SAT TO DOCUMENT FROM GERARD MONTANI (PARABRANCH HEAD) WITH FEED AT NAVAL STATION NEWPORT, RHODE ISLAND	
SATISFACTORY TO DATE	
DES	DMS
DRW	BS/DMS
CHK	MLV/LEJ
PM / DM	MLV/LEJ
BRANCH MANAGER	
CHIEF ENGINEER	
DWG	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC NORTH IPT NAVAL STATION NEWPORT NEWPORT, RHODE ISLAND RENOVATION OF NGIS, BUILDING 172 FIRST FLOOR FRAMING PLAN	
SCALE:	AS NOTED
PROJECT NO.	13770079
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12719398
SHEET	13 OF 200
S-101	
DRAWING REVISION: 10 MAY 2014	

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PLAN NORTH
SECOND, THIRD AND FOURTH FLOOR FRAMING PLAN
 SCALE: 1/8" = 1'-0"

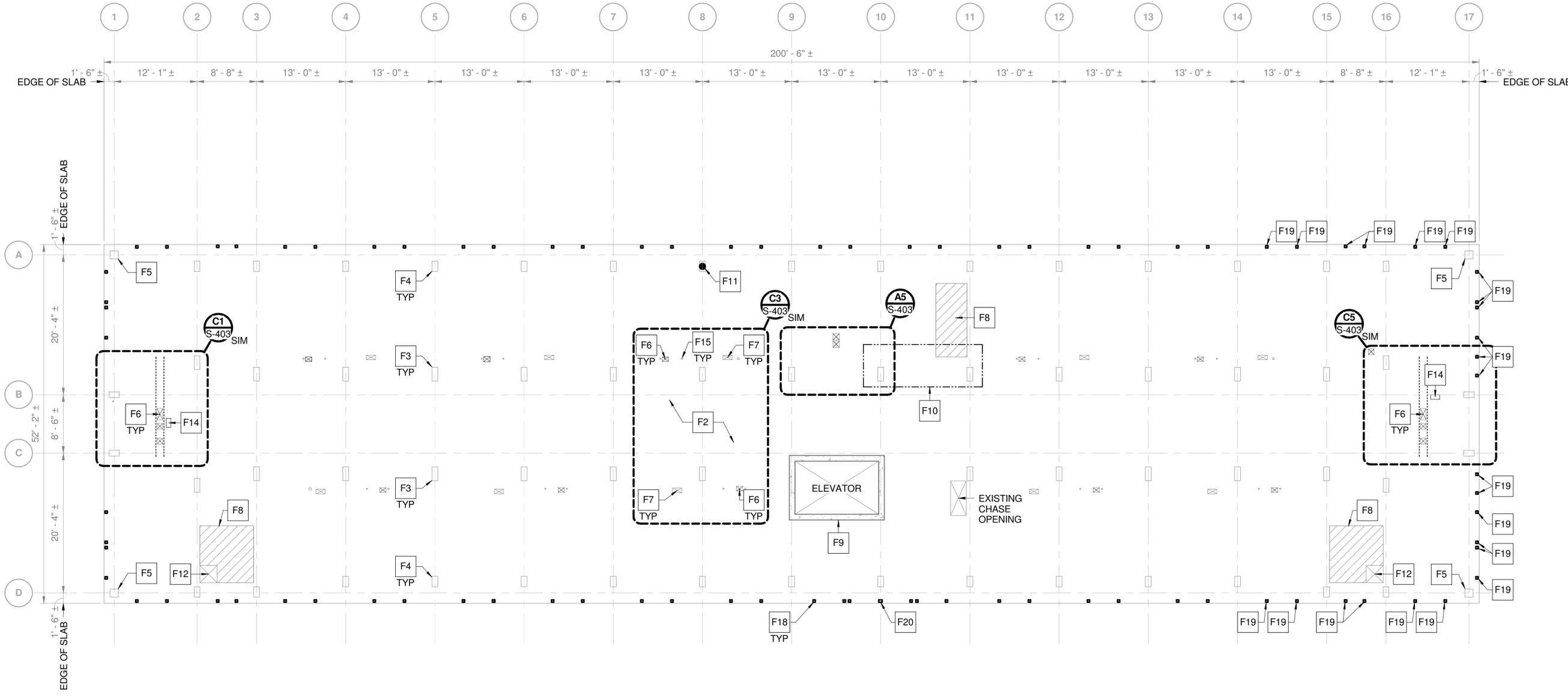
FRAMING PLAN GENERAL NOTES

- 1. REFER TO SHEET S-101 FOR FRAMING PLAN GENERAL AND KEY NOTES.



APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC / B.L.T.L.		
ACTIVITY	PER SAT TO DOCUMENT FROM GERARD MONTANI (PH) BRANCH HEAD WITH FEAD AT NAVAL STATION NEWPORT, NEWPORT, RI	
SATISFACTORY TO DATE	4/20/16	
DES	DMS	DRW BS/DMS CHK/MJ/DMS
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENGINEER	DWG	
FIRE PROTECTION		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
NORTH IPT	NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC	
	NAVAL STATION NEWPORT	
	NEWPORT, RHODE ISLAND	
	NEWPORT, RHODE ISLAND	
	RENOVATION OF NGIS, BUILDING 172	
	SECOND, THIRD AND FOURTH FLOOR FRAMING PLAN	
SCALE:	AS NOTED	
PROJECT NO.	13770079	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.	12719399	
SHEET	14 OF 200	
S-102		
<small>DRAWING REVISION: 10 MAY 2014</small>		

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

FRAMING PLAN GENERAL NOTES

- 1. REFER TO SHEET S-101 FOR FRAMING PLAN GENERAL AND KEY NOTES.

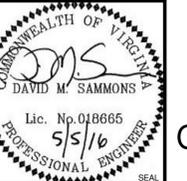
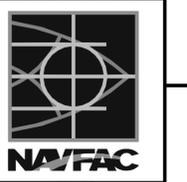
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REV DATE: 5/2/2016 10:14:04 AM

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NO.	DATE	DESCRIPTION	BY	APP'D



BURNS MEDONNELL
 1305 EXECUTIVE BLVD.
 SUITE 160
 CHESAPEAKE, VA 23320

APPROVED

FOR COMMANDER NAVFAC / B.L.T.L.

ACTIVITY

PER SAT TO DOCUMENT FROM GERARD MONTANI

(PH) BRANCH HEAD WITH FEAD AT NAVAL STATION

NEWPORT, NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES DMS DRW BS/DMS CHK/MV/DMS

PM/DM MLW/LEJ

BRANCH MANAGER

CHIEF ENGINEER DWG

FIRE PROTECTION

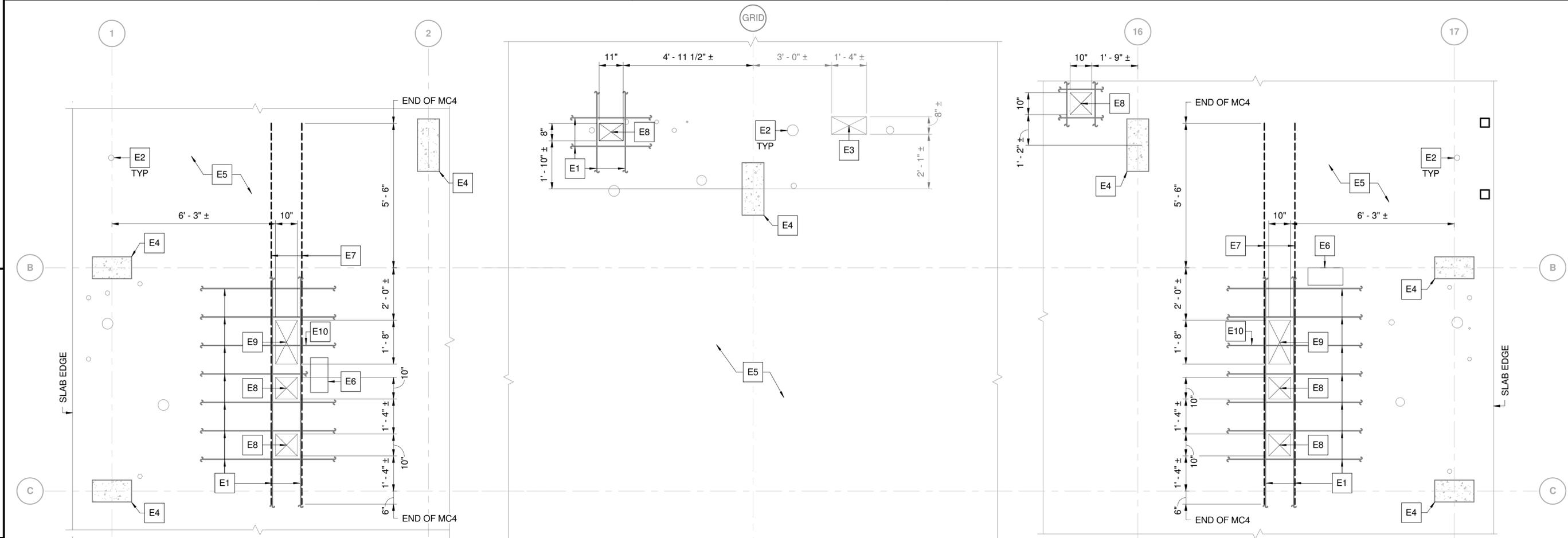
DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC
 NORTH IPT
 NAVAL STATION NEWPORT
 NEWPORT, RHODE ISLAND

RENOVATION OF NGIS, BUILDING 172
 ROOF FRAMING PLAN

SCALE:	AS NOTED
PROJECT NO.	13770079
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12719400
SHEET	15 OF 200
S-103	

FILE NAME: C:\Revit\Projects\66232-NGIS\172\Modis\Struct\66232_S_bst02den.rvt
 REV DATE: 5/22/2016 10:14:07 AM

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C1 FLOOR/ROOF SLAB OPENING PLAN - MODULE 3 WEST
 S-102 SCALE: 1/2" = 1'-0"
 S-103

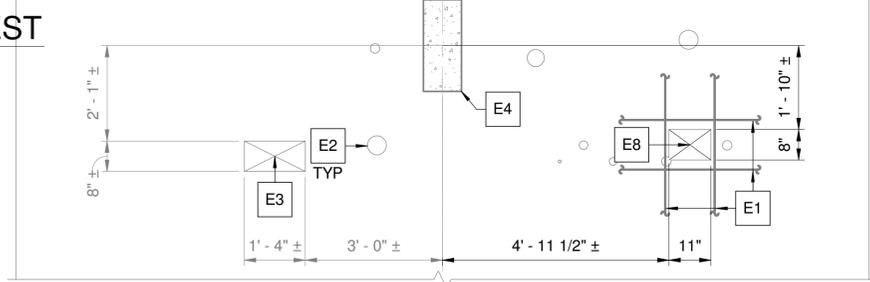
C5 FLOOR/ROOF SLAB OPENING PLAN - MODULE 3 EAST
 S-102 SCALE: 1/2" = 1'-0"
 S-103

ENLARGED FRAMING PLAN GENERAL NOTES

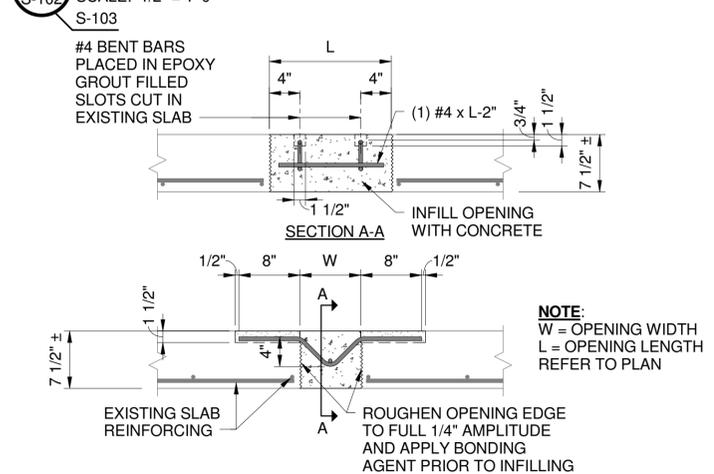
1. REFER TO SHEET S-101 FOR FRAMING PLAN GENERAL AND KEY NOTES.
2. REFER TO 1/8" SCALE FRAMING PLANS FOR GRID LINE AND OTHER DIMENSIONS NOT SHOWN.
3. EXISTING REINFORCING STEEL IS SHOWN ONLY IN THE VICINITY OF THE NEW SLAB OPENINGS. REINFORCING STEEL LOCATIONS ARE BASED ON INFORMATION SHOWN ON THE EXISTING DRAWINGS. FIELD LOCATE EXISTING REINFORCING STEEL AND ADJUST OPENING LOCATIONS AS REQUIRED TO AVOID CUTTING REINFORCING EXCEPT WHERE REINFORCING STEEL IS SPECIFICALLY NOTED AS BEING CUT. MAINTAIN 3/4" CLEAR BETWEEN EDGE OF REINFORCING STEEL AND EDGE OF OPENING. COORDINATE OPENING LOCATION ADJUSTMENTS WITH OTHER DISCIPLINES.
4. DO NOT CUT OPENINGS IN THE EXISTING SLAB EXCEPT WHERE EXPLICITLY SHOWN ON THE STRUCTURAL DRAWINGS. NOTIFY THE CONTRACTING OFFICER WHEN OPENING LOCATIONS REQUIRE ADJUSTMENT IN SIZE AND/OR LOCATION TO CLEAR REINFORCING STEEL OR TO ACCOMMODATE REQUIREMENTS OF OTHER DISCIPLINES.

ENLARGED FRAMING PLAN KEY NOTES EX

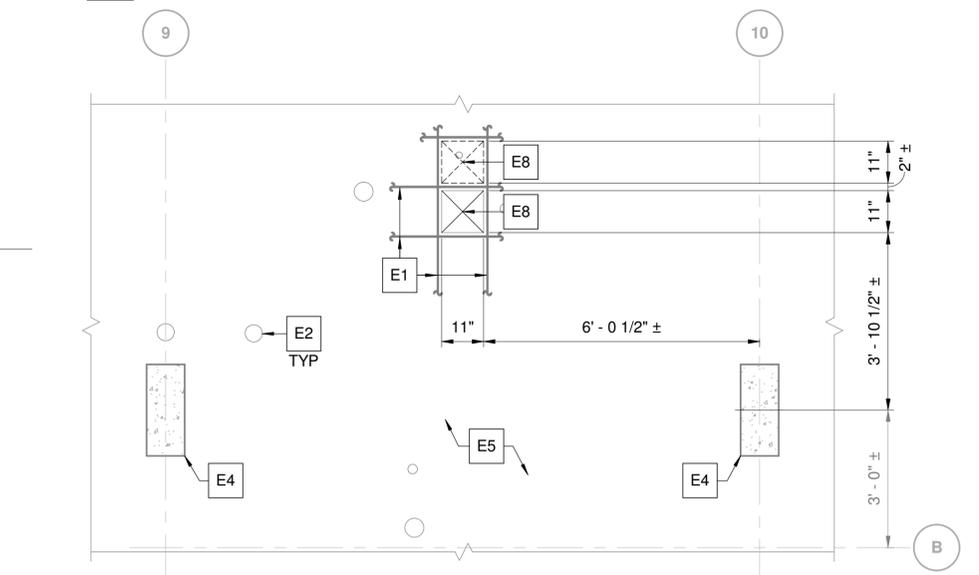
- E1 EXISTING #4 TOP AND/OR BOTTOM REINFORCING STEEL AT 13" ± ON CENTER. REFER TO ENLARGED FRAMING PLAN GENERAL NOTES FOR REQUIREMENTS ABOUT LOCATING AND AVOIDING EXISTING REINFORCING STEEL
- E2 EXISTING ROUND SLAB OPENING FOR PLUMBING RISERS. USE EXISTING SLAB OPENINGS FOR PLUMBING RISERS. DO NOT ENLARGE EXISTING OPENINGS OR CORE ADDITIONAL OPENINGS THROUGH SLAB.
- E3 EXISTING SLAB OPENING. SIZES AND LOCATIONS SHOW ARE APPROXIMATE AND MUST BE FIELD VERIFIED. NOTIFY CONTRACTING OFFICER IN THE EVENT SIZES AND LOCATIONS ARE NOT SUITABLE FOR INSTALLATION OF DUCTWORK.
- E4 EXISTING REINFORCED CONCRETE COLUMNS. REFER TO 1/8" SCALE FRAMING PLANS FOR SIZES.
- E5 EXISTING 7-1/2" THICK REINFORCED CONCRETE FLAT PLATE.
- E6 INFILL EXISTING 8" WIDE x 16" LONG SLAB OPENING. REFER TO DETAIL ON THIS SHEET.
- E7 ADD MC4X13.8 X 14'-6" ± LONG TO UNDERSIDE OF SLAB EACH SIDE OF OPENINGS. CONNECT MC4 TO SLAB WITH 1/4" DIAMETER X 1" EMBEDMENT CONCRETE SCREWS AT 12" ON CENTER ALONG CENTERLINE OF MC4. LOCATE SCREWS TO CLEAR EXISTING SLAB REINFORCING STEEL.
- E8 CUT OPENING IN EXISTING CONCRETE SLAB FOR MECHANICAL DUCT. OPENING LOCATION IS APPROXIMATE. ADJUST LOCATION TO AVOID CUTTING OF EXISTING REINFORCING STEEL. AT MODULE 4, OPENING SHOWN DASHED DOES NOT OCCUR AT SECOND FLOOR.
- E9 CUT OPENING IN EXISTING CONCRETE SLAB FOR MECHANICAL DUCT. OPENING LOCATION IS APPROXIMATE. ADJUST LOCATION SUCH THAT ONLY ONE BOTTOM EXISTING REINFORCING BAR IS CUT.
- E10 EXISTING BOTTOM REINFORCING BAR CUT FOR NEW OPENING.



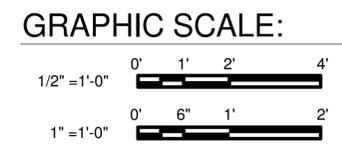
C3 FLOOR/ROOF SLAB OPENING PLAN - MODULE 1
 S-102 SCALE: 1/2" = 1'-0"
 S-103



A1 SLAB OPENING INFILL DETAIL
 SCALE: 1" = 1'-0"

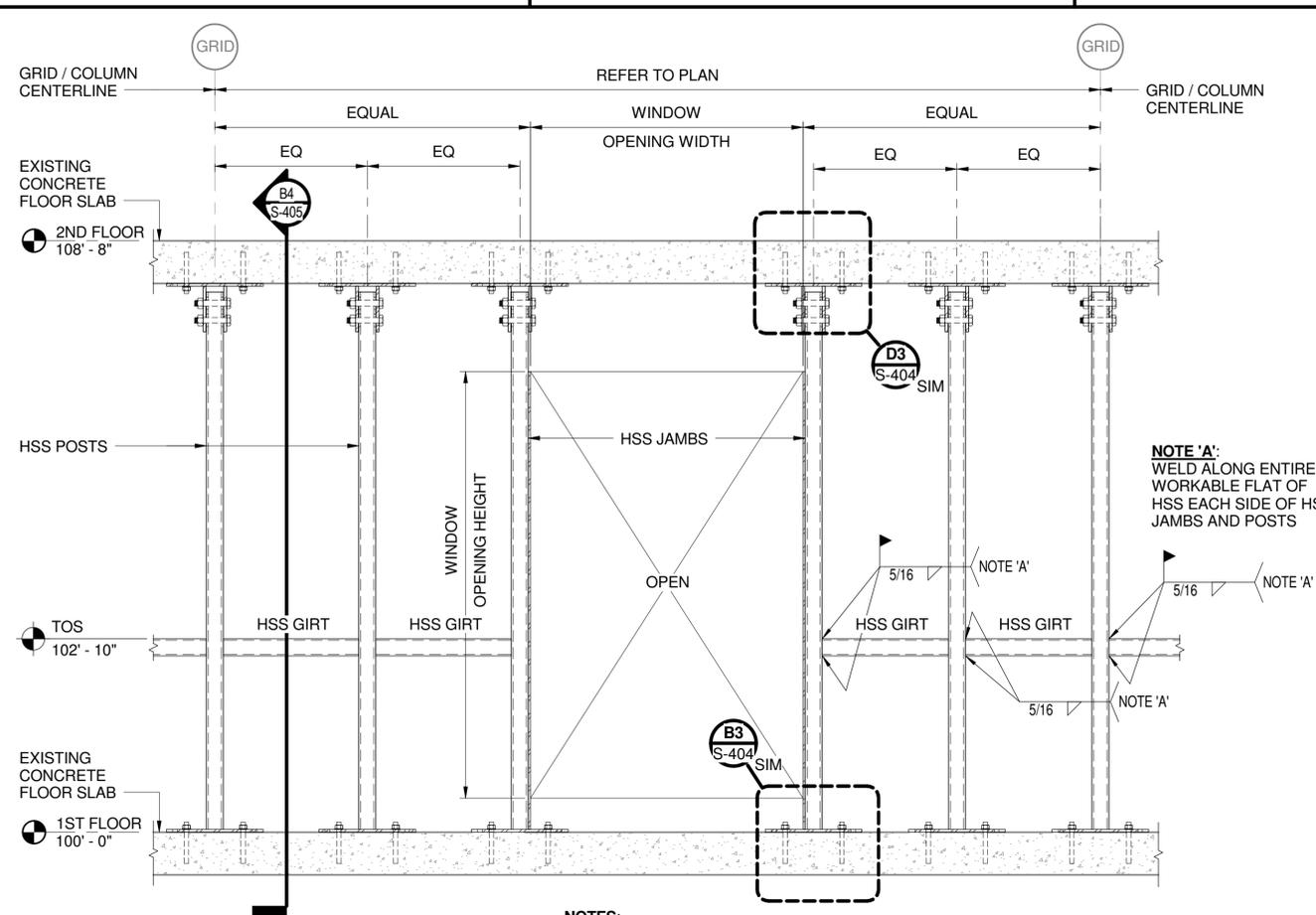


A5 FLOOR/ROOF SLAB OPENING PLAN - MODULE 4
 S-102 SCALE: 1/2" = 1'-0"

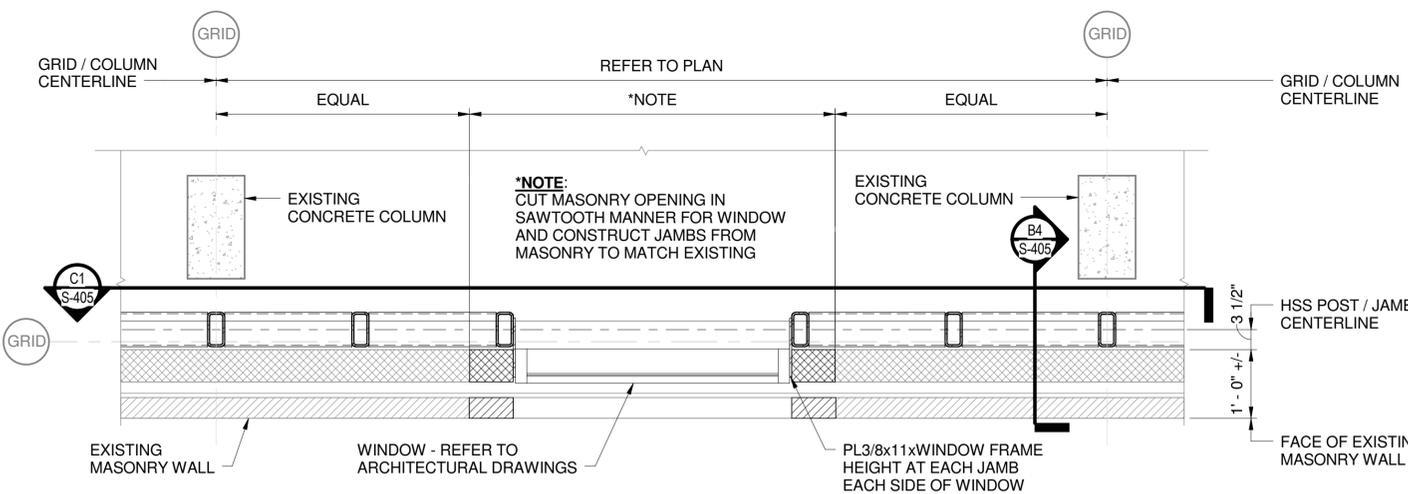


APPROVED	DATE	APPR
FOR COMMANDER NAVFAC / B.L.T.L.		
ACTIVITY		
PER SAT TO DOCUMENT FROM GERARD MONTANI (PHARMACIST) WITH HEAD AT NAVAL STATION NEWPORT, NEWPORT, RI		
SATISFACTORY TO DATE	4/20/16	
DES	DMS	DRW BS/DMS CHK/MV/DMS
PM / DM		MLW/LEJ
BRANCH MANAGER		
CHIEF ENGINEER		DWG
FIRE PROTECTION		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC
NORTH IPT	NEWPORT, RHODE ISLAND	NEWPORT, RHODE ISLAND
	NAVAL STATION NEWPORT	NAVAL STATION NEWPORT
	RENOVATION OF NGIS, BUILDING 172	ENLARGED PLANS AND DETAILS
SCALE:	AS NOTED	
EPROJCT NO.	13770079	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.	12719403	
SHEET	18 OF 200	
S-403		
DRAWING REVISION: 10 MAY 2014		

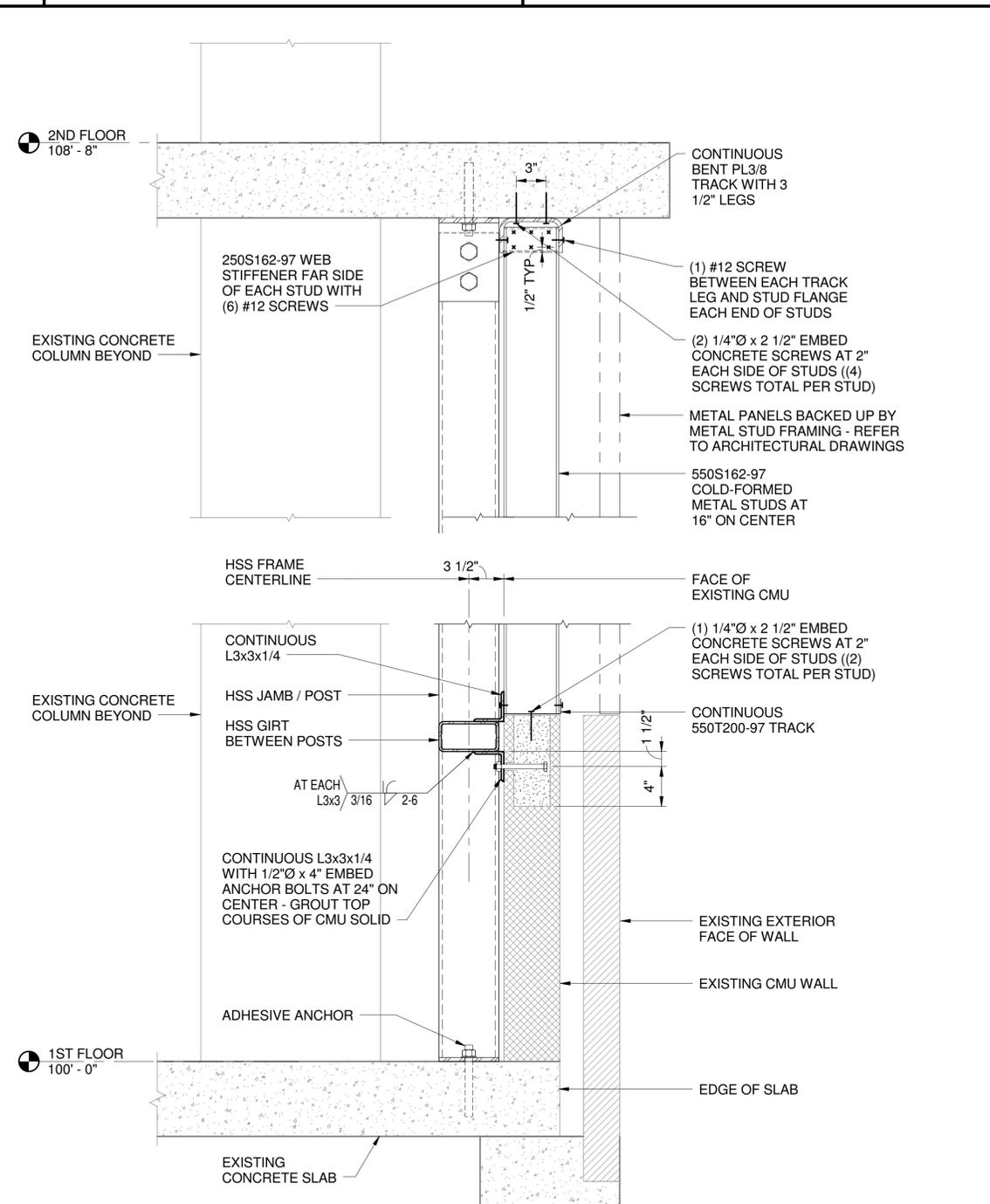
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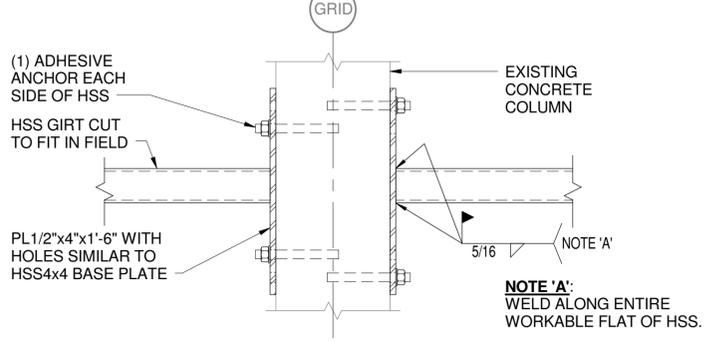
C1 ELEVATION - WINDOW TYPE W4
 SCALE: 3/4" = 1'-0"
 NOTES:
 1. WINDOW AND MASONRY / METAL STUD WALL FRAMING NOT SHOWN IN ELEVATION.
 2. REFER TO DETAIL A4/S-405 FOR HSS GIRTS TO EXISTING CONCRETE COLUMN CONNECTION.



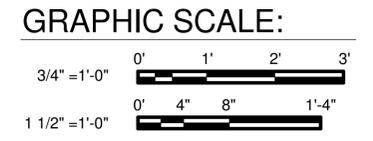
A1 PLAN - WINDOW TYPE W4
 SCALE: 3/4" = 1'-0"
 NOTE: REFER TO ELEVATION C1/S-405 FOR HSS POST, JAMB AND GIRTS SIZES AND OTHER NOTES NOT SHOWN.



B4 SECTION
 SCALE: 1 1/2" = 1'-0"



A4 GIRTS TO EXISTING CONCRETE COLUMN
 SCALE: 1 1/2" = 1'-0"



DATE	APPR
DESCRIPTION	SWN
1305 EXECUTIVE BLVD. SUITE 160 CHESAPEAKE, VA 23320	
APPROVED	AE INFO
FOR COMMANDER NAVFAC / B.L.T.L.	
ACTIVITY	
PER SAIT DOCUMENT FROM GERARD MONTANI (PH) BRANCH HEAD WITH HEAD AT NAVAL STATION NEWPORT, RHODE ISLAND	
SATISFACTORY TO DATE	4/20/16
DES./INB./DMS	DRW./BS./DMS CHK./MLV./DMS
PM / DM	MLW/LEJ
BRANCH MANAGER	
CHIEF ENGINEER	DWG
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC NORTH IPT NAVAL STATION NEWPORT NEWPORT, RHODE ISLAND	
RENOVATION OF NGIS, BUILDING 172 WINDOW BRACING SECTIONS AND DETAILS	
SCALE:	AS NOTED
EPROJCT NO.	13770079
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12719405
SHEET	20 OF 200
S-405	
DRAWFORM REVISION: 10 MAY 2014	

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