GENERAL NOTES:

1. THE STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AND STATE OF CONNECTICUT SUPPLEMENT TO IBC CODE AND UFC. THE FOLLOWING LOADS, IN ADDITION TO THE DEAD LOADS OF THE PERMANENT MATERIALS AND CONSTRUCTION, WERE USED.

   ROOF LIVE LOAD . . . . . 20 PSF

   FLOOR LIVE LOADS:
   CONVEYOR INFILL. . . . . 100 PSF

   SNOW LOADS:
   GROUND SNOW LOAD . . . . . Pg = 30 PSF
   SNOW IMPORTANCE . . . . . Is = 1.0
   THERMAL CATEGORY. . . . . Ct = 1.0 (HEATED)
   SNOW EXPOSURE FACTOR . . . . . Ce = 1.0 (PARTIALLY EXPOSED)

   WIND LOADS:
   BASIC WIND SPEED (3 SECOND GUST) . . . . . 120 MPH
   IMPORTANCE FACTOR 1.0
   WIND EXPOSURE C

   SEISMIC LOADS:
   OCCUPANCY RISK CATEGORY. . . . . B
   SPECTRAL RESPONSE COEFFICIENTS
   Ss 0.21
   S1 . . . . . 0.06
   Sds 0.23
   Sd1 . . . . . 0.09

   SITE CLASS . . . . . D
   BASIC SEISMIC-FORCE-RESISTING SYSTEM . . . . . ORDINARY STEEL MOMENT FRAMES

2. COORDINATE AND VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO STARTING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.

3. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING (IF DRAWINGS ARE APPLICABLE) THAT COMPRISE THE COMPLETE DOCUMENT SET FOR THIS PROJECT. VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, ANCHORS, INSERTS, HANGERS, HOLES, ETC. TO BE PLACED IN THE STRUCTURAL WORK.

4. EXERCISE ALL PRECAUTIONS NECESSARY TO MAINTAIN ALL AREAS OF WORK IN A SAFE CONDITION THROUGHOUT CONSTRUCTION. BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE SAFETY PRECAUTIONS AND REGULATIONS THAT MAY BE REQUIRED.

5. UNDER NO CIRCUMSTANCES SHALL THE CONTRACT DRAWINGS BE REPRODUCED AND USED AS SHOP DRAWINGS.

6. THE REFERENCE DATUM (ELEVATION = 0'-0") FOR ELEVATIONS SHOWN ON THESE DRAWINGS SHALL BE FINISHED FIRST FLOOR ELEVATION.

7. WHERE A SECTION OR DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE AND SIMILAR CONDITIONS.

8. STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OR ERECTION BRACING, SHORING TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTING OFFICER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL DEMOLITION NOTES:

1. ALL ITEMS SHOWN ON THESE DRAWINGS ARE NEW CONSTRUCTION, UNLESS NOTED OTHERWISE AS EXISTING.

2. BEFORE PROCEEDING WITH DEMOLITION WORK, FAMILIARIZE YOURSELF WITH THE CONDITIONS OF THE SITE AND EXISTING STRUCTURE. PROVIDE ALL NECESSARY SAFEGUARDS TO MAINTAIN ALL PORTIONS OF THE STRUCTURE IN A SAFE CONDITION AT ALL TIMES DURING THE PROCESS OF CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING STRUCTURE WHICH ARE TO REMAIN. PROVIDE DETAILED AS-BUILT DRAWINGS FOR EXISTING WORK TO BE DEMOLISHED

3. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, LOCAL AND ENVIRONMENTAL PROTECTION AGENCIES CRITERIA AND GUIDELINES.

4. DEMOLITION SHALL INCLUDE THE REMOVAL OF EXISTING STRUCTURES AND ITEMS IN THE WAY OF NEW WORK OF THIS PROJECT AS SHOWN ON THE CONTRACT DRAWINGS. ALL DEMOLITION DEBRIS AND MATERIALS SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE OWNER ON A DAILY BASIS UNLESS SPECIFIC AUTHORIZATION IS GIVEN IN WRITING TO DO OTHERWISE.

5. UNDERGROUND UTILITIES NOT SHOWN ON DRAWINGS MAY EXIST. PROCEED WITH CAUTION DURING DEMOLITION AND/OR NEW CONSTRUCTION. UNIDENTIFIED PIPES, CONDUITS, CABLES OR OTHER ITEMS ENCOUNTERED SHALL BE REPORTED TO THE OWNER IMMEDIATELY.

6. COORDINATE ALL ASPECTS OF DEMOLITION AND RENOVATION WORK TO INSURE NEAT AND PROPER REMOVAL OF EXISTING FINISHES, STRUCTURE, ETC. AS NOTED. INSTALL NEW CONSTRUCTION AS INDICATED ON PLANS, ALIGNING WITH EXISTING EDGES OR SURFACES AS REQUIRED. PATCH ALL SURFACES DAMAGED.

GENERAL DEMOLITION NOTES CONT.:

7. TAKE ALL NECESSARY MEASURES TO PROTECT EXISTING INTERIOR AND EXTERIOR SURFACES DURING RENOVATION AND SHALL PATCH OR REPAIR ALL SURFACES OR ITEMS DAMAGED DURING RENOVATION TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

8. CONDUCT DEMOLITION AND REMOVAL IN A CAREFUL MANNER AND SHALL BE RESPONSIBLE FOR PROVIDING BRACING, SHORING AND OTHER SUPPORTS AS REQUIRED TO PREVENT DAMAGE, SETTLEMENT OR COLLAPSE OF EXISTING STRUCTURES TO REMAIN.

9. PROVIDE TEMPORARY COVERING OVER ALL ROOF PENETRATIONS DURING CONSTRUCTION AND SHALL AND ENSURE A WATERTIGHT SEAL SO THAT NO RAINWATER ENTERS THE BUILDING.

10. ALL CONDITIONS UNCOVERED DURING CONSTRUCTION THAT APPEAR TO BE INCONSISTENT WITH THE CHARACTERISTICS OF THE DETAILS AND PLANS SHOWN IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IMMEDIATELY.

CAST-IN-PLACE CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318/318R "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

2. CONCRETE PROTECTION FOR REINFORCING STEEL AND OTHER GENERAL REQUIREMENTS OF PLACING AND FABRICATION OF REINFORCING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI 318).

3. ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH OF 3500 PSI AT AN AGE OF 28 DAYS.

4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60 DEFORMED BARS UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL MARKED CONTINUOUS (CONT.) SHALL BE LAPPED, UNLESS OTHERWISE NOTED.

5. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A185 (FLAT SHEETS ONLY).

6. THE SLUMP OF CAST-IN-PLACE CONCRETE SHALL NOT EXCEED 4 INCHES WITHOUT A HIGH RANGE WATER REDUCING ADMIXTURE. THE SLUMP OF CAST-IN-PLACE CONCRETE WITH THE USE OF A HIGH RANGE WATER REDUCING ADMIXTURE SHALL NOT EXCEED 8 INCHES. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED 5% TO 7%.

7. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR BOLTS AND WELD PLATES SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES. "WET-SETTING" OF REINFORCING STEEL IS PROHIBITED.

8. MINIMUM CONCRETE COVER FOR PROTECTION OF REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:

   CONCRETE CAST AGAINST AND
   PERMANENTLY EXPOSED TO EARTH . . . . . .3 INCHES

   CONCRETE CAST AGAINST FORMWORK AND
   PERMANENTLY EXPOSED TO EARTH OR WEATHER . . . . . .1 1/2 INCHES

   CONCRETE CAST AGAINST FORMWORK AND
   NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH . . . . . .3/4 INCH

9. PROVIDE SHOP DRAWINGS OF CONCRETE MIX DESIGN AND TEST REPORTS. THE MIX DESIGN SHALL INCLUDE ALL PROPERTIES OF THE MIX, MATERIALS USED IN THE CONCRETE AND ACTUAL CONCRETE STRENGTH. SHOP DRAWINGS FOR CONCRETE REINFORCEMENT SHALL ALSO BE PROVIDED, INCLUDING REINFORCING AND WELDED WIRE FABRIC.

FOUNDATION NOTES:

1. THE FOUNDATIONS WERE DESIGNED FOR AN ASSUMED MAXIMUM ALLOWABLE NET SOIL BEARING PRESSURE OF 1500 PSF. THE SOILS BENEATH THE PROPOSED FOOTINGS SHALL BE CAPABLE OF SAFELY SUPPORTING THIS LOAD WITHOUT EXCESSIVE SETTLEMENT. ALL UNUSUAL SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.

2. ELEVATIONS TO TOP OF ALL FOOTINGS ARE SHOWN ON THE FOUNDATION PLAN. EXCAVATION DEPTHS ARE A MINIMUM AND SHALL BE LOWERED IF APPROVED BY THE CONTRACTING OFFICER TO OBTAIN THE DESIGN BEARING PRESSURE.

3. SOFT, AND OTHERWISE UNSATISFACTORY, SOILS BENEATH PROPOSED FOUNDATION ELEMENTS SHALL BE REMOVED AT THE DIRECTION OF THE CONTRACTING OFFICER AND BACKFILLED WITH PROPERLY COMPACTED MATERIALS NOT LESS THAN 95% MODIFIED PROCTOR TEST (MPT).

4. EARTH FORMED FOOTINGS SHALL CONFORM TO THE SHAPE, LINES AND DIMENSIONS AS SHOWN ON THE FOUNDATION PLAN. BEFORE PLACING CONCRETE, ALL EMBEDDED ITEMS SHALL BE PROPERLY PLACED, ACCURATELY POSITIONED, AND MAINTAINED SECURELY IN PLACE.

5. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT STORMWATER FROM ENTERING FOUNDATION EXCAVATIONS. ALL WATER SHALL BE REMOVED BEFORE DEPOSITING CONCRETE. CONCRETE SHALL NOT BE PLACED ON SOFT, SATURATED SOIL.

6. WALL FOOTINGS SHALL BE CENTERED ON THE WALLS AND COLUMN FOOTINGS SHALL BE CENTERED ON THE COLUMNS, UNLESS OTHERWISE NOTED.

7. PIPES SHALL NOT RUN THROUGH STANDARD FOOTINGS. STEP FOOTINGS FOR PIPES TO RUN ABOVE TOP OF FOOTING, UNLESS OTHERWISE NOTED. REFER TO PLUMBING DRAWINGS FOR PIPE LOCATIONS. MAINTAIN A MINIMUM OF 3 INCHES CLEARANCE FROM REINFORCING STEEL TO ALL PIPES.

MASONRY NOTES:

1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530-02, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1-02, "SPECIFICATIONS FOR MASONRY STRUCTURES."

2. ALL CONCRETE MASONRY UNITS SHALL BE IN ACCORDANCE WITH ASTM C-90 "SPECIFICATIONS FOR HOLLOW LOAD-BEARING UNITS" AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF F'M = 1500 PSI.

3. ALL MORTAR FOR USE IN ENGINEERED MASONRY BEARING WALLS SHALL BE IN ACCORDANCE WITH ASTM C-270 TYPE "S" MORTAR. ALL MASONRY GROUT SHALL BE IN ACCORDANCE WITH ASTM C476 AND SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.

4. PROVIDE DOWELS OUT OF FOOTING AT ALL EXTERIOR AND LOAD-BEARING MASONRY WALLS, PROVIDE STANDARD ACI HOOK ON END OF BAR INTO FOOTING. LAP 48 BAR DIAMETERS WITH VERTICAL MASONRY REINFORCING, NUMBER, SIZE AND SPACING OF DOWELS SHALL MATCH WALL REINFORCING. DOWELS SHALL BE WIRE TIED AND NOT PUSHED INTO WET CONCRETE.

5. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60 DEFORMED BARS. CENTER REINFORCING BARS IN BLOCK CELLS UNLESS OTHERWISE NOTED.

6. BUILD, REINFORCE, AND GROUT THE WALLS IN NO GREATER THAN 4'-0" LIFTS, VIBRATING GROUT IMMEDIATELY AFTER EACH LIFT.

7. LAP ALL REINFORCING IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AT SPLICES. REFER TO CHART BELOW FOR SPLICE REQUIREMENTS. FULLY GROUT ALL REINFORCED CELLS.

REQUIRED STEEL REINFORCING BAR LAPS IN REINFORCED MASONRY (f'm = 1,500 PSI)

BAR SIZE	6" CMU	8" CMU	10" CMU	12" CMU
#3	19"	19"	19"	19"
#4	25"	25"	25"	25"
#5	40"	32"	32"	32"

8. PROVIDE GALVANIZED HORIZONTAL LADDER (EXTERIOR CONDITION)/TRUSS (INTERIOR CONDITION) TYPE JOINT REINFORCING WITH NO. 9 GAGE CROSS RODS AT 16" ON CENTER ON ALL WALLS.

9. DIMENSIONS SHOWN FOR CMU WALLS ARE NOMINAL BLOCK. HOLD DIMENSIONS TO OUTSIDE FACE OF CMU.

10. REFER TO ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL GROUTING REQUIREMENTS.

11. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 BAR DIAMETERS OF THE REINFORCEMENT.

12. PROVIDE ONE VERTICAL BAR OF THE SIZE AS WALL REINFORCING AT CORNERS AND ENDS OF WALLS. REFER TO TYPICAL WALL REINFORCING DETAILS ON SHEET S-002.

13. PROVIDE TEMPORARY BRACING AGAINST WALLS FOR MASONRY WALLS WITH A HEIGHT OF MORE THAN 8'-0" UNTIL THE PERMANENT BRACING AND ANCHORS ARE INSTALLED.

14. IN ORDER TO INSTALL LINTELS FOR THE OPENING IN THE EXISTING WALLS, PROVIDE TEMPORARY SHORING FOR PART OF THE WALL ABOVE THE OPENING LINTEL. THE SHORING SHALL BE IN PLACE UNTIL THE BOND BEAM OBTAIN ITS CAPACITY (F'M=1500 PSI).

STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL BE IN ACCORDANCE WITH ASTM A992 GRADE 50 KSI SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL STRUCTURAL STEEL ANGLES, PLATES AND MISCELLANEOUS MEMBERS SHALL BE IN ACCORDANCE WITH ASTM A36 GRADE 36 KSI SPECIFICATIONS. ALL STRUCTURAL PIPING SHALL BE IN ACCORDANCE WITH ASTM A53, GRADE B. ALL STRUCTURAL TUBING SHALL BE IN ACCORDANCE WITH ASTM A500, GRADE B.

2. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE THIRTEENTH EDITION OF THE MANUAL OF STEEL CONSTRUCTION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

3. ALL FIELD BOLTED SHEAR CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS (THREADS INCLUDED IN THE SHEAR PLANE) WITH A MINIMUM OF (2)-3/4 INCH DIAMETER ASTM A325 HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED. ALL SHEAR CONNECTIONS SHALL BE DESIGNED TO SUPPORT HALF OF THE TOTAL UNIFORM LOAD CAPACITY SHOWN ON TABLES "MAXIMUM TOTAL UNIFORM LOAD" OF THE AISC MANUAL OF STEEL CONSTRUCTION FOR THE GIVEN SPAN AND STEEL SPECIFIED, UNLESS THE END REACTION IS NOTED ON DRAWINGS. SINGLE SHEAR CONNECTION TO PLATES THROUGH COLUMNS SHALL BE IN ACCORDANCE WITH TABLES "10-9a AND 10-9b" OF THE AISC MANUAL.

4. ALL STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED AND PAINTED WITH TWO COATS. TOTAL PAINT THICKNESS SHALL NOT BE LESS THAN 10 MILS. ALL PAINTING SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

5. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL". WELD ELECTRODES SHALL BE E70XX.

6. NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH CRD-C621 SPECIFICATIONS, AND SHALL BE NON-CORROSIVE, NON-STAINING AND NON-METALLIC, PREMIXED PRODUCT.

NO.	APPR	DATE	DESCRIPTION	SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
ROLAND E. McPHERSON
Lic. No. 11159
5/15/15
PROFESSIONAL ENGINEER
11-007H

HBA

A/E INFO

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY
CDR MARC BERNATH
NEXCOM - FACILITIES DIVISION

SATISFACTORY TO DATE 07JUL2014
DES DS DRW JDD CHK REM
PM/DM RDS/PJB
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION DPS

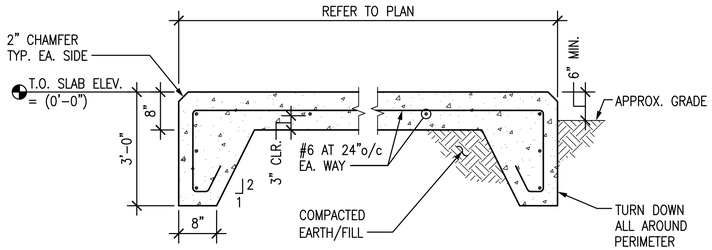
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VIRGINIA
NE IPT
SUBASE NEW LONDON
GROTON, CT

BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION

GENERAL NOTES

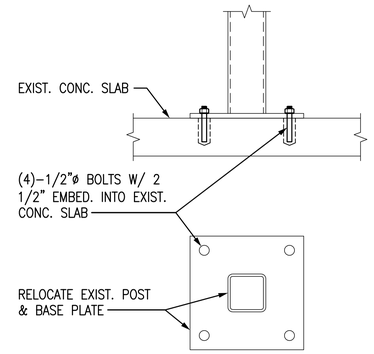
SCALE: GRAPHIC
EPROJECT NO.: 1305708
CONSTR. CONTR. NO. N40085-14-C-5203
NAVFAC DRAWING NO. 12667659
SHEET 15 OF 248

S-001



TYPICAL MECHANICAL EQUIPMENT PAD SECTION

NOT TO SCALE



TYPICAL BASE PLATE ANCHORING DETAIL

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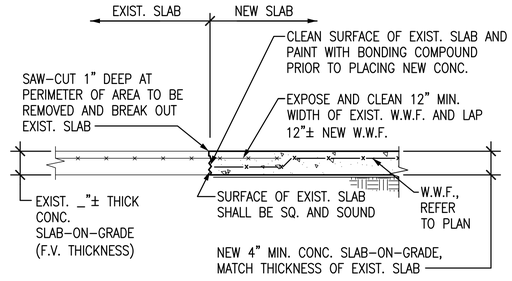
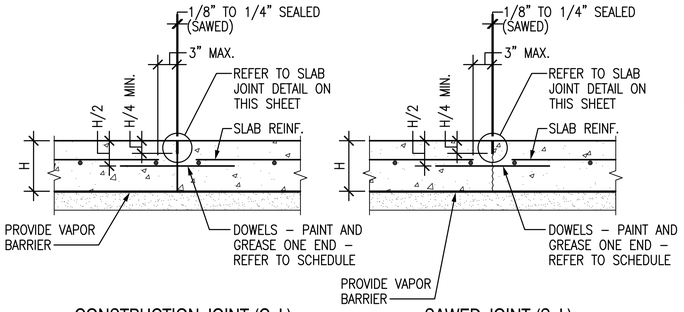


TYPICAL SLAB-ON-GRADE INFILL DETAIL

NOT TO SCALE

ABBREVIATIONS

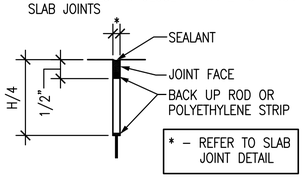
ACI	AMERICAN CONCRETE INSTITUTE	GA.	GAGE
ADDIT.	ADDITIONAL	GALV.	GALVANIZED
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	HORIZ.	HORIZONTAL
		INFO.	INFORMATION
ARCH.	ARCHITECTURAL	KSI	KIPS PER SQUARE INCH
ASTM	AMERICAN STANDARD FOR TESTING OF MATERIALS	LLH	LONG LEG HORIZONTAL
		LLV	LONG LEG VERTICAL
AWS	AMERICAN WELDING SOCIETY	LT.	LIGHT
BLDG.	BUILDING	L.W.	LONG WAY
B.O.	BOTTOM OF	MANUF.	MANUFACTURER
BOTT.	BOTTOM	MAS.	MASONRY
BRG.	BEARING	MAX.	MAXIMUM
CL	CENTERLINE	MIN.	MINIMUM
CLR.	CLEAR	MECH.	MECHANICAL
CMU	CONCRETE MASONRY UNIT	MTL.	METAL
COL.	COLUMN	o/c	ON CENTER
CONC.	CONCRETE	OPNG.	OPENING
CONN.	CONNECT/CONNECTION	OPP.	OPPOSITE
CONT.	CONTINUE/CONTINUOUS	PEJ	PREMOLDED EXPANSION JOINT
COORD.	COORDINATE	PROJ.	PROJECTION
DBL.	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DIA.	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIAG.	DIAGONAL	REINF.	REINFORCED/REINFORCING
DWGS.	DRAWINGS	REQ'D.	REQUIRED
EA.	EACH	SECT.	SECTION
ELEV.	ELEVATION	SIM.	SIMILAR
EMBED.	EMBEDDED/EMBEDMENT	STD.	STANDARD
EQ.	EQUAL/EQUALLY	STRUCT.	STRUCTURAL
EXIST.	EXISTING	THK.	THICK
F.F.	FINISHED FLOOR	T.O.	TOP OF
FLR.	FLOOR	TYP.	TYPICAL
FNDN.	FOUNDATION	U.O.N.	UNLESS OTHERWISE NOTED
FTG.	FOOTING	VERT.	VERTICAL
F.V.	FIELD VERIFY	WWF	WELDED WIRE FABRIC



DOWEL SCHEDULE

SLAB THICKNESS 'H'	DIA. x LENGTH (SMOOTH BARS)	SPACING '**'
8"	1" x 18"	10"

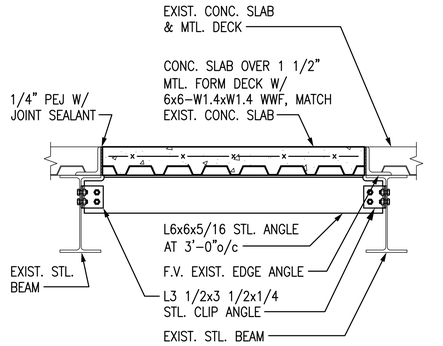
** - START DOWELS NO CLOSER THAN 2'-0" FROM SLAB JOINTS



TYPICAL SLAB JOINT DETAIL

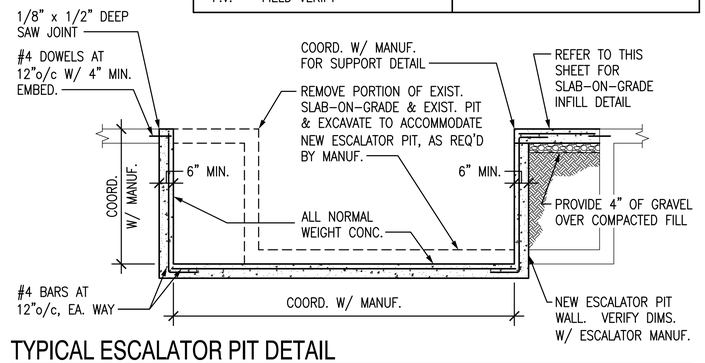
TYPICAL SLAB-ON-GRADE DETAILS

NOT TO SCALE



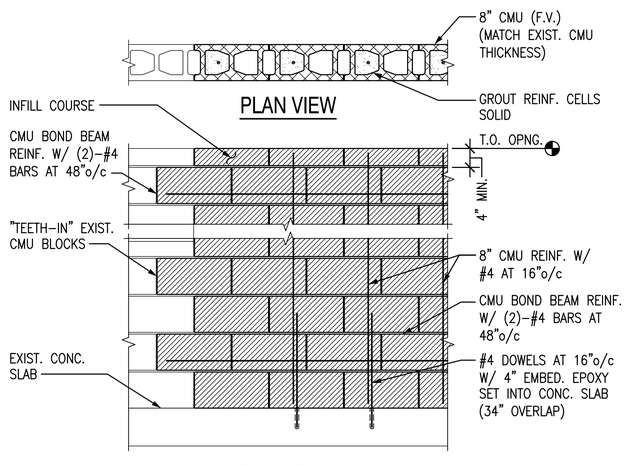
TYPICAL SLAB INFILL DETAIL

NOT TO SCALE



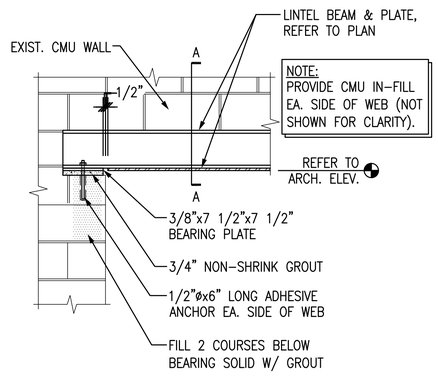
TYPICAL ESCALATOR PIT DETAIL

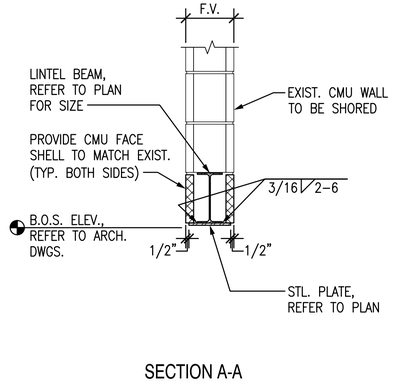
NOT TO SCALE



TYPICAL MASONRY WALL INFILL DETAILS

NOT TO SCALE

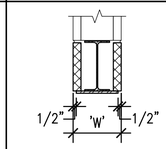
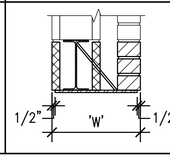




TYPICAL LINTEL BEAM BEARING ON EXISTING MASONRY WALL DETAILS

NOT TO SCALE

LINTEL SCHEDULE

MARK	TYPE	DESCRIPTION	REMARKS
L-1		W8x10 STL. BEAM W/ 3/8" THK x CONT. STL. PLATE, BOTT.	FIELD VERIFY WALL THICKNESS ('W')
L-2		W8x10 STL. BEAM W/ 3/8" THK x CONT. STL. PLATE, BOTT. W/ 1" x 5/16" x 10" LONG BAR AT 16"o/c	FIELD VERIFY WALL THICKNESS ('W')

APPR | DATE | DESCRIPTION | SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
ROLAND E. McPHERSON
Lic. No. 11159
5/15/15
PROFESSIONAL ENGINEER
11-007H

HBA
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
CDR MARC BERNATH
NEXCOM - FACILITIES DIVISION

SATISFACTORY TO	DATE	07JUL2014
DES	DS	DRW JDD CHK REM
PM/DM		RDS/PJB
BRANCH MANAGER		
CHIEF ENG/ARCH		DWG
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VIRGINIA
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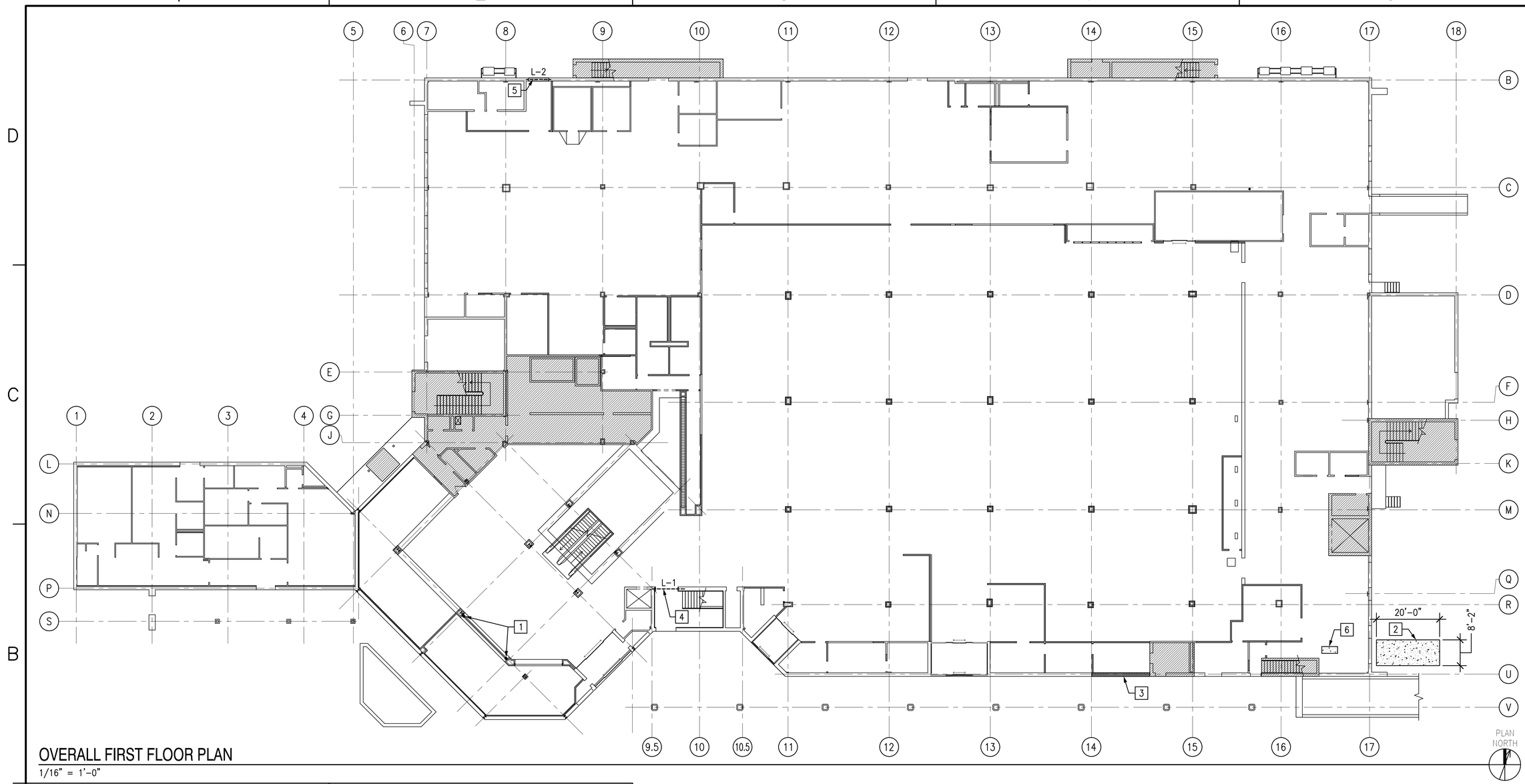
BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION

TYPICAL DETAILS

SCALE:	GRAPHIC
EPROJECT NO.:	1305708
CONSTR. CONTR. NO.	N40085-14-C-5203
NAVFAC DRAWING NO.	12667660
SHEET	16 OF 248

S-002



OVERALL FIRST FLOOR PLAN

1/16" = 1'-0"

GENERAL NOTES THIS SHEET ONLY

1. CONCRETE PAD CONSTRUCTION SHALL BE AN 8" CONCRETE SLAB-ON-GRADE. TOP OF CONCRETE SLAB ELEVATION SHALL BE (0'-0"), UNLESS OTHERWISE NOTED. BOTTOM OF FOOTINGS SHALL BE LOWERED TO MAINTAIN (-2'-6") BELOW FINISHED GRADE. REFER TO WORK NOTE 2 ON THIS SHEET FOR DETAIL.
2. COORDINATE ALL MASONRY OPENINGS AND DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

LEGEND:

NOT INCLUDED IN PROJECT SCOPE OF WORK.

NEW WORK KEYNOTES # THIS SHEET ONLY

1. RELOCATE SECURITY GRILL POSTS. ANCHOR POST BASE PLATES INTO EXISTING SLAB, REFER TO BASE PLATE & ANCHORING DETAILS ON SHEET S-002. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
2. MECHANICAL EQUIPMENT CONCRETE PAD, REFER TO TYPICAL DETAIL ON SHEET S-002. REFER TO ARCHITECTURAL SHEET A-103 FOR DIMENSIONS.
3. INFILL WITH REINFORCED CMU. REFER TO TYPICAL MASONRY INFILL DETAIL ON SHEET S-002.
4. LINTEL AT ENLARGED OPENING. REFER TO SCHEDULE AND DETAIL ON SHEET S-002.
5. LINTEL AT NEW DOOR. REFER TO SCHEDULE AND DETAIL ON SHEET S-002.
6. INFILL EXISTING OPENING. REFER TO TYPICAL DETAIL ON SHEET S-002.

NOTE: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

GRAPHIC SCALE:

1/16" = 1'-0" 5' 0' 10' 20' 30' 40' 50'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
ROLAND E. MCPHERSON
Lic. No. 11159
5/15/15
PROFESSIONAL ENGINEER
11-007H

HBA
A/E INFO

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY
CDR MARC BERNATH
NEXCOM - FACILITIES DIVISION

SATISFACTORY TO DATE 07JUL2014
DES DS DRW JDD CHK REM
PM/DM RDS/PJB
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION DPS

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VIRGINIA
NE IPT
SUBASE NEW LONDON GROTON, CT

BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION

OVERALL FIRST FLOOR PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1305708
CONSTR. CONTR. NO. N40085-14-C-5203
NAVFAC DRAWING NO. 12667661
SHEET 17 OF 248

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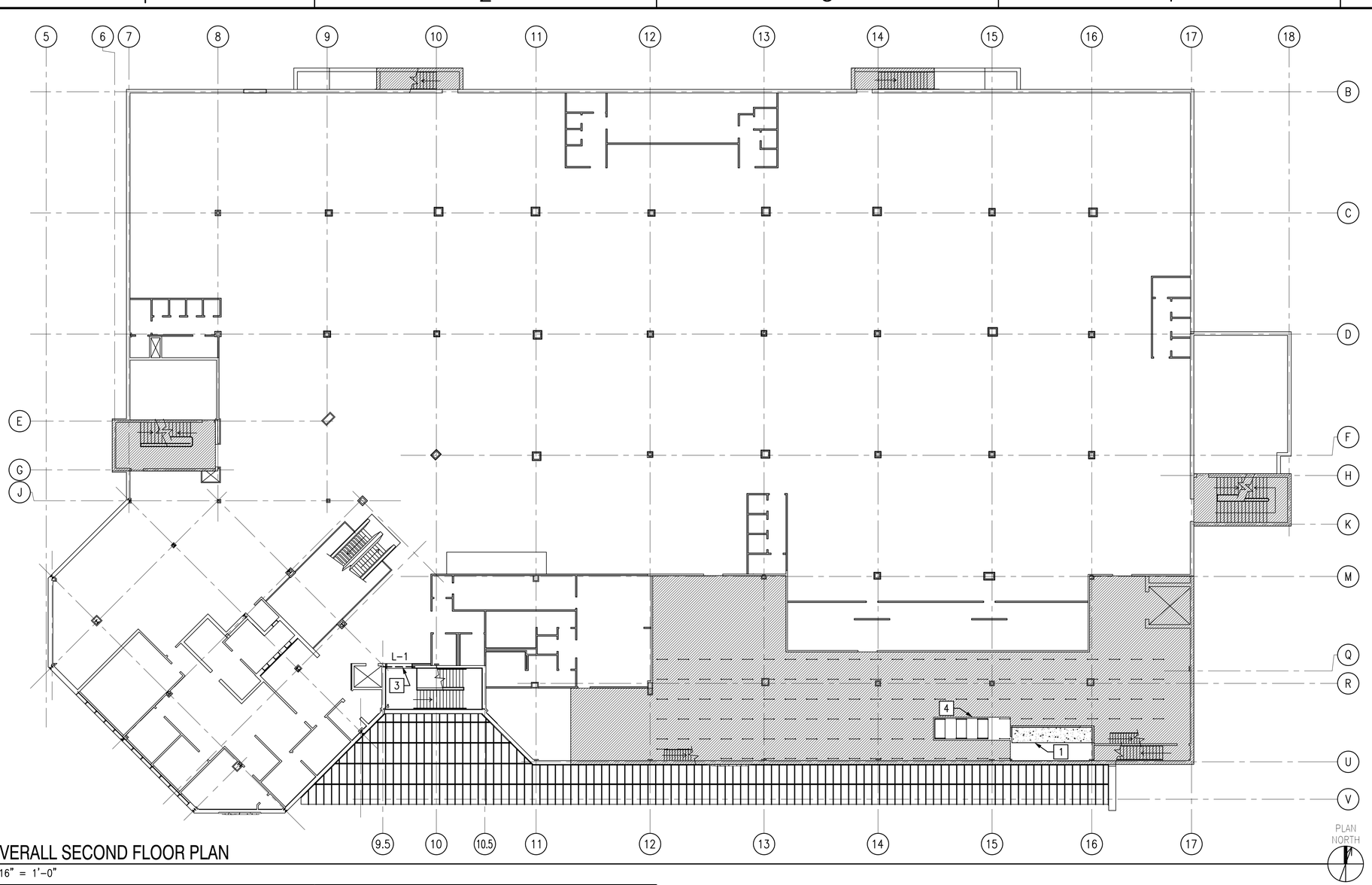

OVERALL SECOND FLOOR PLAN

1/16" = 1'-0"

GENERAL NOTES THIS SHEET ONLY

1. ALL EXISTING ITEMS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR DEMOLITION NOT NOTED.
3. REFER TO SHEET S-001 FOR ADDITIONAL STRUCTURAL NOTES.
4. COORDINATE DIMENSIONS NOT NOTED WITH THE ARCHITECTURAL DRAWINGS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING EXISTING MASONRY WALLS AND STRUCTURE ABOVE FOR INSTALLATION OF NEW LINTEL BEAMS.
6. CONTRACTOR SHALL IN NO WAY DAMAGE ANY BUILDING COMPONENT TO REMAIN. IF DAMAGE OCCURS, IT SHALL BE REPAIRED OR REPLACED (TO THE SATISFACTION OF THE CONTRACTING OFFICER) AT THE CONTRACTOR'S EXPENSE.

NEW WORK KEYNOTES # THIS SHEET ONLY

1. INFILL SLAB OPENING AT DEMOLISHED CONVEYOR, REFER TO TYPICAL SLAB INFILL DETAIL ON SHEET S-002.
2. REFER TO WORK NOTES ON SHEET S-101 FOR ADDITIONAL INFORMATION.
3. LINTEL AT ENLARGED OPENING. REFER TO SCHEDULE AND DETAIL ON SHEET S-002.
4. REFER TO ARCHITECTURAL SHEET A-113 FOR INFILL OF MEZZANINE FLOOR AT THIS LOCATION.

LEGEND:

NOT INCLUDED IN PROJECT SCOPE OF WORK.

NOTE: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

GRAPHIC SCALE:

1/16" = 1'-0" 5' 0' 10' 20' 30' 40' 50'

APPR	DATE	DESCRIPTION	SYM

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APPROVED
David W. Trumpfheller
FOR COMMANDER NAVFAC

ACTIVITY
CDR MARC BERNATH
NEXCOM – FACILITIES DIVISION

SATISFACTORY TO	DATE		
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BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION

OVERALL SECOND FLOOR PLAN

SCALE:	GRAPHIC
EPROJECT NO.:	1305708
CONSTR. CONTR. NO.	N40085-14-C-5203
NAVFAC DRAWING NO.	12667662
SHEET	18 OF 248

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