

STATEMENT OF SPECIAL INSPECTIONS

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- THE "STATEMENT OF SPECIAL INSPECTIONS" HAS BEEN PREPARED IN ACCORDANCE WITH THE SPECIAL INSPECTION AND STRUCTURAL TESTING REQUIREMENTS OF THE IBC 2012, SECTION 1705.
- THIS "STATEMENT OF SPECIAL INSPECTIONS" ENCOMPASSES THE FOLLOWING DISCIPLINE: STRUCTURAL
- IN ACCORDANCE WITH UFC 1-200-01 SECTION 2-17, THE CONTRACTOR SHALL RETAIN APPROVED THIRD-PARTY QUALITY ASSURANCE AGENCIES TO CONDUCT THE SPECIAL INSPECTIONS REQUIRED BY THE IBC 2012 FOR THE TYPE OF WORK INDICATED.
- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON(S) WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE CONTRACTING OFFICER FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTIONS PERFORMED SHALL BE IN COORDINATION WITH IBC 2012, SECTIONS 1704 AND 1705.
- THE SPECIAL INSPECTOR SHALL SUBMIT SPECIAL INSPECTION REPORTS TO THE CONTRACTING OFFICER AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (STRUCTURAL ENGINEER OF RECORD) DURING CONSTRUCTION FOR VERIFICATION, INCLUDING FINAL REPORTS IN ACCORDANCE WITH IBC 2012, SECTION 1704.2.4.
- SPECIAL INSPECTIONS FOR WIND RESISTANCE SHALL BE IN ACCORDANCE WITH IBC 2012, SECTION 1705.10.
- THE SPECIAL INSPECTOR SHALL USE THE LATEST ISSUE OF THE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR THE INSPECTION OF THIS STRUCTURE. SHOP FABRICATION DRAWINGS SHALL NOT BE USED FOR INSPECTION PURPOSES.
- THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 109 OF THE IBC 2012.

- IN ACCORDANCE WITH IBC 2012, SECTION 1704.4, EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND FORCE RESISTING SYSTEM (MWFRS) OR A WIND-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE CONTRACTING OFFICER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.
- THE FOLLOWING TABLES IDENTIFY THE MATERIALS, SYSTEMS AND COMPONENTS WHICH ARE TO HAVE SPECIAL INSPECTION.
- SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360 CHAPTER N.
- SPECIAL INSPECTIONS FOR MASONRY SHALL BE IN ACCORDANCE WITH THE IBC 2009, TABLE 1704.5.1.

IBC 2012 - TABLE 1705.3 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION								
VERIFICATION AND INSPECTION		CONTINUOUS	PERIODIC	REFERENCE STANDARD	IBC REFERENCE	INSPECTION REQUIRED		
						YES	NO	N/A
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1913.4	X		
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B.	-	X	AWS D1.4, ACI 318: 3.5.2	-	X		
3.	INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X	-	ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1	X		
4.	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1	X		
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 4, 5.2-5.4	1904.3, 1913.2, 1913.3	X		
6.	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8	1913.10	X		
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8	X		
8.	INSPECTION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11, 5.13	1913.9	X		
9.	INSPECTION OF PRESTRESSED CONCRETE:							
A.	APPLICATION OF PRESTRESSING FORCES.	X	-	ACI 318: 18.20, ACI 318: 18.18.4	-			X
B.	GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X	-	ACI 318: 18.20, ACI 318: 18.18.4	-			X
10.	ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH. 16	-			X
11.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 6.2	-			X
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 6.1.1	-	X		

IBC 2009 - TABLE 1704.5.1 MASONRY LEVEL 1 SPECIAL INSPECTION									
	INSPECTION TASK	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA			INSPECTION REQUIRED		
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	TMS 402/ACI 30/ASCE 5a	TMS 602/ACI 530/ASCE 6a	YES	NO	N/A
1.	COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	-	X	-	-	ART.1.5	X		
2.	VERIFICATION OF f_m AND f_{AAC} PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	-	X	-	-	ART.1.4	X		
3.	VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.	X	-	-	-	ART.1.5B.1.b.3			
4.	AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:								
A.	PROPORTIONS OF SITE-PREPARED MORTAR.	-	X	-	-	ART.2.6	X		
B.	CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	ART.3.3B	X		
C.	LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	-	ART.3.4, 3.6A	X		
D.	PRESTRESSING TECHNIQUE.	-	X	-	-	ART.3.6B			X
E.	GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	-	ART.2.4B, 2.4H			X
5.	DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:								
A.	SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-	X	-	-	ART.3.3F	X		
B.	TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	-	X	-	-	SEC. 1.2.2(e), 1.16.1	X		
C.	SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	-	SEC. 1.15	ART.2.4, 3.4	X	
D.	WELDING OF REINFORCING BARS.	X	-	-	-	SEC. 2.1.9.7.2, 3.3.3.4(b)			
E.	PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURES ABOVE 90°F)	-	X	SEC. 2104.3.2104.4	-	ART.1.8C, 1.8D	X		
F.	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	X	-	-	-	ART.3.6B			X
6.	PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:						X		
A.	GROUT SPACE IS CLEAN.	-	X	-	-	ART.3.2D	X		
B.	PLACEMENT OF REINFORCEMENT AND CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	-	-	SEC. 1.13	ART.3.4	X	
C.	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	-	X	-	-	ART.2.6B	X		
D.	CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	ART.3.3B	X		
7.	GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	-	-	-	ART.3.5	X		
A.	GROUTING OF PRESTRESSING BONDED TENDONS.	X	-	-	-	ART.3.6C			X
8.	PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	-	X	SEC. 2105.2.2, 2105.3	-	ART.1.4	X		

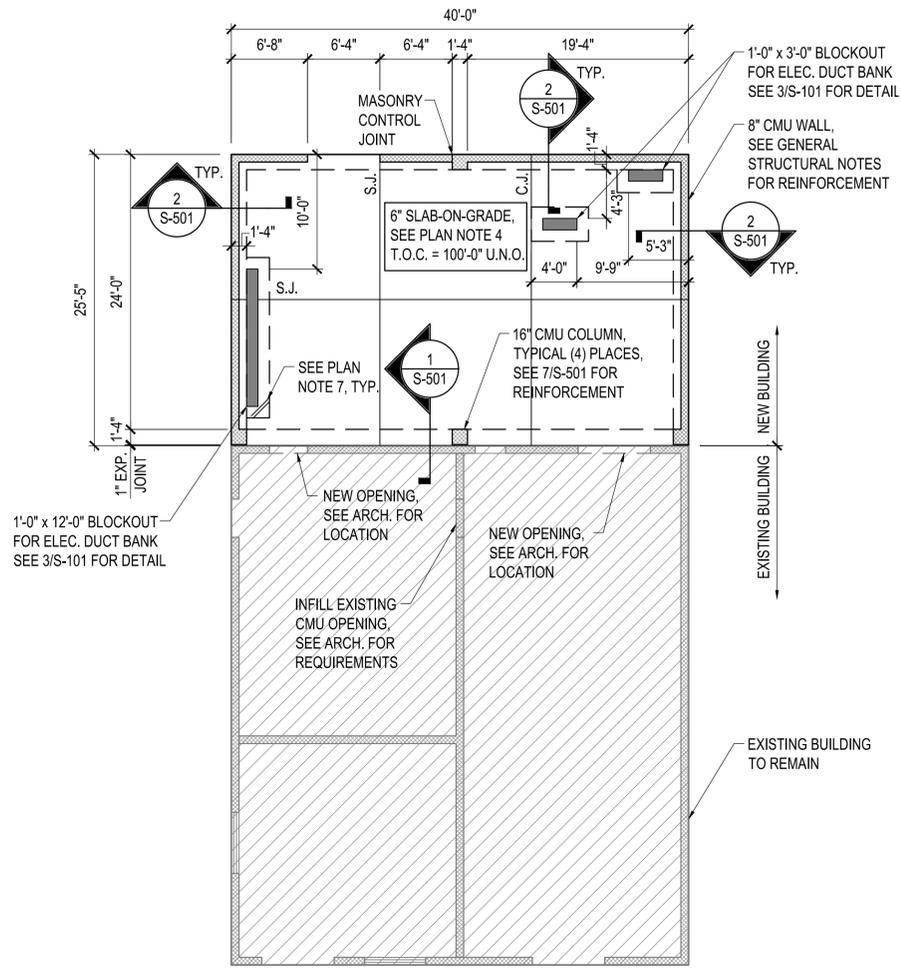
a. THE SPECIFIED STANDARDS REFERENCED IN IBC 2009 CHAPTER 35

IBC 2012 - TABLE 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS						
VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	INSPECTION REQUIRED			
			YES	NO	N/A	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X	X			
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X	X			
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X	X			
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-	X			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	X			

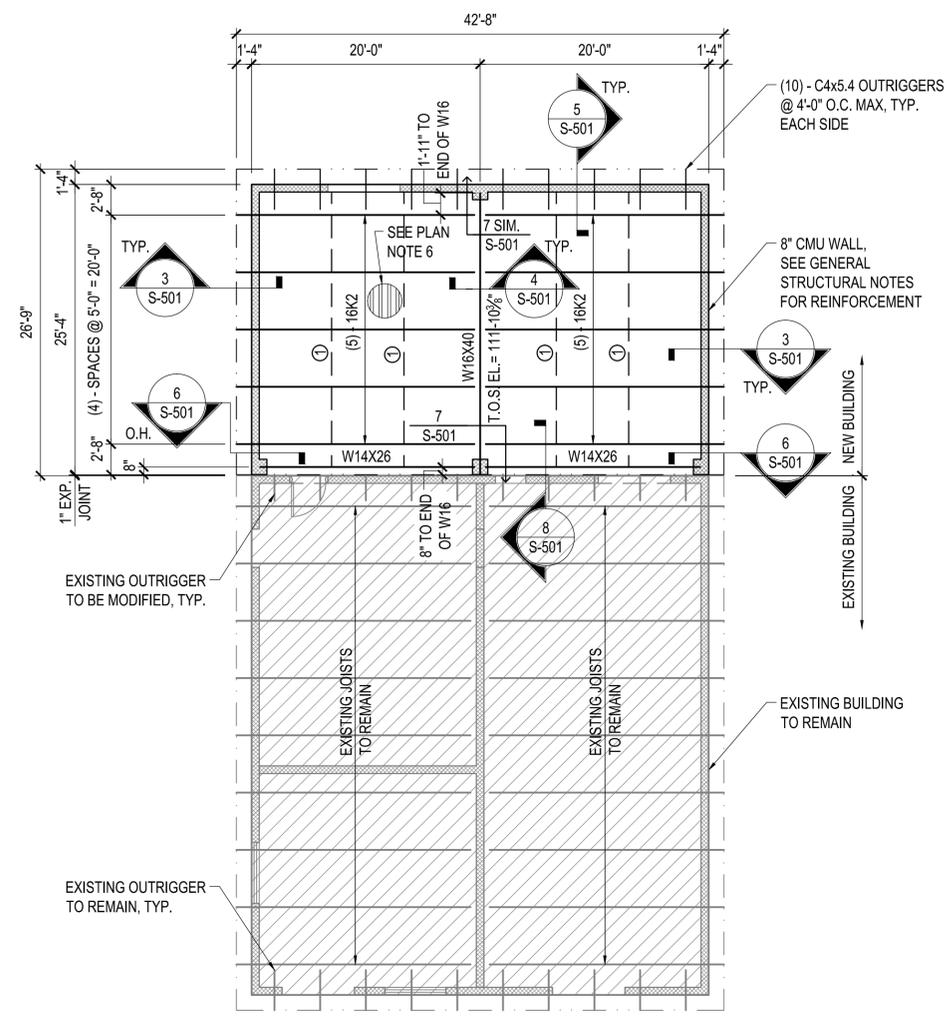
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APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DIES DPS	DRW JGF
CHK STW	
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	
NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST	
NAVAL AIR STATION JACKSONVILLE	
CIBL CORE	
NAS CORPUS CHRISTI	
CORPUS CHRISTI, TEXAS	
NAS CORPUS CHRISTI AIRFIELD REPAIRS	
AIRFIELD LIGHTING VAULT	
STRUCTURAL SPECIAL INSPECTIONS	
SCALE:	NTS
EPROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095079
SHEET	9 OF 54
S-004	
DRAWING REVISION: 5 APRIL 2012	

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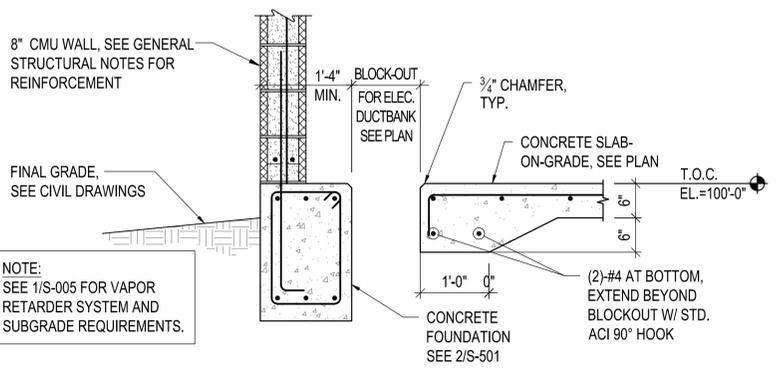
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1 FOUNDATION PLAN
1/8"=1'-0"



2 FRAMING PLAN
1/8"=1'-0"



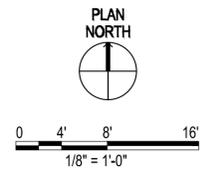
3 TYPICAL SECTION AT ELECTRICAL DUCTBANK
3/4"=1'-0"

PLAN NOTES:

- SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITION PRIOR TO FABRICATION OR CONSTRUCTION.
- REFERENCE ELEVATION = 100'-0" (MATCH ACTUAL ELEVATION OF EXISTING T.O.C. SLAB ELEVATION, FIELD VERIFY) U.N.O.
- SLAB-ON-GRADE SHALL BE 6" CONCRETE WITH #4 AT 16" O.C. EACH WAY (TYPICAL U.N.O.)
- NEW ROOF DECK BEARING ELEVATION VARIES, SEE PLAN
- TYPICAL ROOF DECK SHALL BE 1/2" DEEP x 20 GAGE WIDE RIB GALVANIZED STEEL ROOF DECK.
- PROVIDE (2) #4 x 4'-0" ADDITIONAL REINFORCEMENT AT ALL RE-ENTRANT CORNERS AROUND SLAB-ON-GRADE BLOCKOUT FOR ELECTRICAL DUCT BANK, TYPICAL.

LEGEND:

- W16x67 INDICATES BEAM SIZE
- 16K2 INDICATES JOIST SIZE
- (Hatched circle) INDICATES STEEL DECK ORIENTATION
- (Circle with 1) INDICATES L1/2x1/2x1/8 CONT. WELDED BRIDGING AT TOP AND BOTTOM CHORDS OF JOISTS OR AS REQUIRED BY JOIST MANUFACTURER



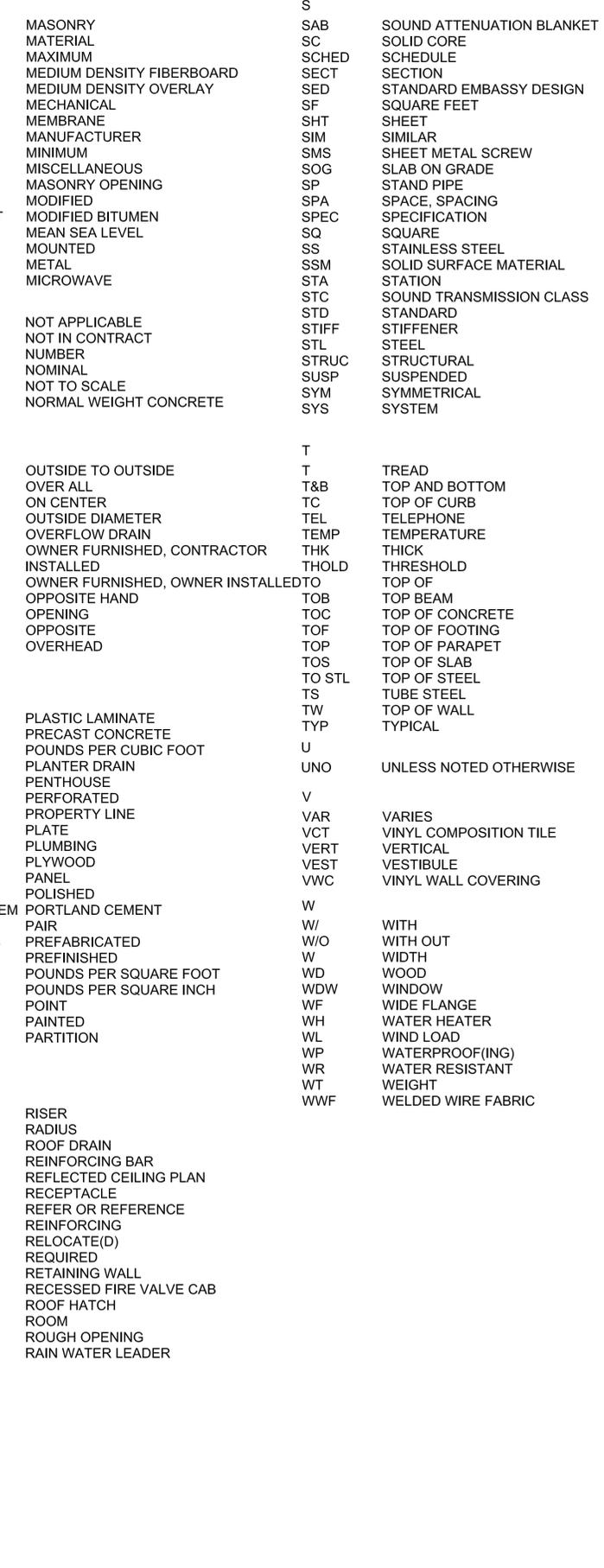
APPR	DATE	6 NOV 2015
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APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES DPS DRW JGF CHK STW PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS AIRFIELD LIGHTING VAULT FOUNDATION & FRAMING PLANS		
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095082 SHEET 12 OF 54		
S-101 <small>DRAWING REVISION: 5 APRIL 2012</small>		

FILE NAME: P:\FBI\1641-ORCA-NAFAC\134800-001.dwg LAYOUT NAME: A-001 LEGENDS AND ABBREVIATIONS PLOTTED: Thursday, November 05, 2015 - 3:05pm USER: nabastrm

ABBREVIATION LEGEND

Table with 2 columns: Abbreviation and Description. Includes categories A through S, covering items like ACCESSORY, ALUMINUM COMPOSITE MATERIAL, FIRE ALARM, etc.

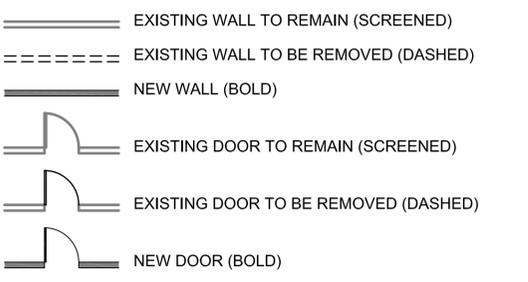
REFERENCE SYMBOLS LEGEND



GENERAL CONSTRUCTION NOTES

- 1. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
2. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE.
3. SURVEY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED TO DETERMINE THE EXTENTS OF DEMOLITION.
4. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM CONSTRUCTION OPERATIONS.
5. WORK AREA IS TO BE CLEANED AT THE END OF DAYS WORK, MORE OFTEN WHEN NECESSARY AND THE DEBRIS PROPERLY DISPOSED.
6. IN THE EVENT OF CONFLICTS, ADDITIONAL DETAIL, OR GUIDANCE IS NEEDED FOR THE CONSTRUCTION OF ANY ASPECT OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE GOVERNMENT AND SUBMIT THE REQUIRED REQUEST FOR INFORMATION (RFI) FORM.
7. THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK.
8. THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS ARE RESPONSIBLE FOR THEIR WORK AND MATERIALS MEETING APPLICABLE CODES, ORDINANCES, AND STANDARDS.
9. PROVIDE EMERGENCY FIRE EXTINGUISHERS READILY AVAILABLE AND PROPERLY MAINTAINED AS PER LOCAL FIRE PROTECTION REGULATIONS.
10. DO NOT INTERRUPT POWER TO THE BUILDING AT ANY TIME DURING CONSTRUCTION OPERATIONS WITHOUT PRIOR NOTICE TO THE OWNER.
11. FOR ADDITIONAL INFORMATION ON THE REMOVAL AND INSTALLATION OF EQUIPMENT WITHIN THE SCOPE OF THE PROJECT, REFER TO OTHER DISCIPLINES.
12. ALL NECESSARY STEPS ARE TO BE TAKEN TO PREVENT THE INFILTRATION OF DUST INTO ADJACENT AREAS CONTAINING EQUIPMENT NOT IN THIS CONTRACT.
13. DO NOT CUT AND PATCH CONSTRUCTION IN A MANNER THAT RESULTS IN VISUAL EVIDENCE OF CUTTING AND PATCHING. REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING CUTTING AND PATCHING OPERATIONS.
14. USE MATERIALS IDENTICAL TO EXISTING MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH EXISTING ADJACENT SURFACES TO THE FULLEST POSSIBLE EXTENT.
15. CUT HOLES AND SLOTS AS SMALL AS POSSIBLE, NEATLY TO SIZE REQUIRED, AND WITH MINIMUM DISTURBANCE OF ADJACENT SURFACES. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES.
16. PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK.
17. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO RETAINED ADJOINING CONSTRUCTION IN A MANNER THAT WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.
18. WHERE PATCHING OCCURS IN A PAINTED SURFACE, APPLY PRIMER AND INTERMEDIATE PAINT COATS OVER THE PATCH AND APPLY FINAL PAINT COAT OVER ENTIRE UNBROKEN SURFACE CONTAINING THE PATCH. PROVIDE ADDITIONAL COATS UNTIL PATCH BLENDS WITH ADJACENT SURFACE.

CONSTRUCTION LEGEND



Project information block including: APPROVED FOR COMMANDER NAVFAC, ACTIVITY, SATISFACTORY TO DATE, BRANCH MANAGER, CHIEF ENG / ARCH, FIRE PROTECTION, NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST, CORPUS CHRISTI AIRFIELD REPAIRS AIRFIELD LIGHTING VAULT, LEGENDS ABBREVIATIONS AND GENERAL NOTES, SCALE: AS NOTED, PROJECT NO.: 15095084, SHEET 14 OF 54, A-001, DRAWFORM REVISION: 5 APRIL 2012.

