STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED. REFER TO APPENDIX 8 OF THE PROJECT SPECIFICATIONS FOR THE FOLLOWING INFORMATION

- THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS.

 THE TYPE AND EXTEMT OF EACH SPECIAL INSPECTION. THE TYPE AND EXTEMT OF EACH TEST. ADDITIONAL SPECIAL INSPECTION REQUIREMENTS FOR WIND OR SEISMOR RESISTANCE (WHEN APPLICABLE).

 THE FREQUENCY OF SPECIAL INSPECTIONS AND TESTING.

THE SPECIAL INSPECTION REQUIREMENTS ARE BASED ON CHAPTER 17 OF THE IBC. THE EXEMPTIONS ALLOWED FOR CONCRETE CONSTRUCTION HAVE BEEN UTILIZED WHERE APPLICABLE.

DESIGN LOADS

MIN 3 PSF 2 PSF 6 PSF

REINFORCED MASONRY SHEAR WALLS EQUIVALENT LATERAL FORCE 0.024 3.5

0.0169W (SERVICE)

134 MPH 104 MPH

 S. SEISMC LOADS
 0.079

 2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (SI)
 0.039

 2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (SI)
 0.039

 3. 5M DAMPED SPECITIAR RESPONSE COEFF. (SID)
 0.062

 4. 1-SEC PERIOD SPECITAR RESPONSE COEFF. (SD1)
 0.062

 5. SITE CLASS
 PER CL

 6. RISK CARESCRY
 PER CL

8. RISK CATEGORY
7. SEESMIC IMPORTANCE FACTOR (III)
8. SEISMIC DESIGN CATEGORY
9. BASIC SEISMIC FORCE RESISTING SYSTEM
10. AMALYSIS PROCEDURE
11. SEESMIC RESPONSE COEFFICIENT (IO)
12. RESPONSE MODIFICATION COEFFICIENT (I

20 PSF MIN OR SNOW LOAD

20 PSF MIN OR SNOW LOAD

FOUNDATION SUBSURFACE (LOAD INCLUDE 05 LOAD COMBINATIO PACTOR IN ASCE 7-10, SECTION 2-4.1) 1. EXTERIOR WALLS •WALLS •PARAPETS 2. NET ROOF UPLIFT (LOADS SATISFY THE EQUATION 0.6D + 0.6W FROM ASCE 7-10, SECTION 2.4.1) SEISMIC LOADS 1 5% COMPED MAPPED ACCELERATION PARAMETER (SS) 2 1-56C PERIOD MAPPED ACCELERATION PARAMETER (SS) 3 1-56C PERIOD MAPPED ACCELERATION PARAMETER (SS) 4 1-56C PERIOD SPECTRAL RESPONSE COEFF (SD1) 5 ITE CLASS 5 THE CEC AND AGE. STEINER FORMATIONS, BLASS, PAVEMENTS, AND RELOW-GRADE STRUCTURES SHALL BE REMOVED TION THE SENSE OF THE STRUCTURES SHALL BE REMOVED THE THE SHALL PROST SYSTEMS, ORGANIC NETRIAL, EXISTING FILL, AND SOFT OR OTHERWISE UNSULTABLE NATIONAL (AS DEFINED NETRIAL). SENSE THE STRUCTURE STRUCTURES SHADE SHADE AND STRUCTURES SHADE SHADE AND STRUCTURES SHADE 13. DESIGN BASE SHEAR (V) 1. CANOPY ROOF LIVE LOAD SNOW LOADS 1. GROUND SNOW LOAD (Pg) 2. IMPORTANCE FACTOR (I) THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION IN CASE OF CONFLICT INFORMATION COVERED IN THIS PREPARATION SHALL TAKE PREPEREDED COVERT THE WALKET SPECIFICATION. SHEETE OT THE SPECIFICATION SHALL TAKE PREPERED COVERTED WITH SPECIFICATION. SHEETE TO THE SPECIFICATIONS FOR SPECIFICATION TO WAS TAKEN FROM A GEOTECHNICAL REPORT PREPARATION. THIS INFORMATION WAS TAKEN FROM A REPORT STORMARD SPECIFICATION. CANOPY LATERAL LOADS WIND LOADS WIND SPEED (3-SECOND GUST) ULTIMATE DESIGN WIND SPEED BASIC DESIGN WIND SPEED (SERVICE) 2. WIND EXPOSURE CATEGORY 3. RISK CATEGORY

PREPARATION

LEGEND

ITEMS IN LEGEND MAY NOT OCCUR ON ALL PLANS

EXHAUST FAN

INDICATES MASONRY CONTROL JOINT

T THE SERVICE BUILDING AND FLATWORK SLABS, ES

GENERAL NOTES

- 1.1 STEEL FRAMING IS NON-SELF SUPPORTING AND REQUIRES INTERACTION 1 LATERAL FORCES

- UBGRADE INFORMATION GIVEN THEREIN. OUNDATION SUBSURFACE PREPARATION" DESCRIPTION. THE "FOUNDATION SUBSURFACE.
- TIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACKFILLING OF EXCAVATIONS SHALL BE DONE AS

- lag at Neen Irany Councies. Capage: "Const I'I "Nidicates doweled construction Joint in Slab-On-Grade, ref specifications. Hall be Continuous. Provide Cornere Bars at all corners and intersections und, ref corner bar detail. Before Backeil is Placed Dagnatis Them. Temboraty Bracing Shell not be reduced until wall be femanent." Brace Roval by the Architectengineer. Penetrations Shall be through foundation Stemmall or 6" Clear Bellow Footing

- 3.2 CONCRETE EXPOSURE CLASSIFICATION FOR EXTERIOR CONCRETE SHALL BE NEGLIGIBLE FO.
 3.3 REPROPRIEND STEEL SHALL MEET ASTM SPECIFICATION A 615, DEFORMED BAR, GRADE 60 OR ASTM SPECIFICATION A 706, DEFORMED BAR, GRADE 60. REF LAP SCHEDULE FOR LAP SPLICE LENGTHS
 UND ON DETAILS.
- 3.4 REFER TO ACI 318 FOR CONCRETE COVER, ACI 315 FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE
 3.5 LEAN CONCRETE MIN 2 1/2 SACKS PORTLAND CEMENT PER CUBIC YARD.

- 4.1 STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENSTH AND SPECIFICATIONS.

 A. WIDE FLANCE STEEL SHAPES.

 B. SGLIAMS AND RECTANSLAR FROLLOW STRUCTURAL SHAPES.

 C. ROUND HOLLOW STRUCTURAL SHAPES.

 D. STRUCTURAL STEEL JEEP.

 E. BARIS PLATES, CHANNELS, ANGLES, AND ANCHOR BOLTS.

 F. HOLDED STOL ANCHORS.

 4.2 BOLT FOR STEEL SEAM AND COLLIMN CONNECTIONS SHALL BE SHY CHANGES HOW PROPOSED.
- 4.3 MELDING SHALL MEET ANSIAWAS D.1.1 STRUCTURAL WELDING CODE. ELECTRODES SHALL BE 70 KSI LOW HYDROGEN.
 4.4 THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE CONTRACT DOCUMENTS.
 4.5 PROVIDE DAYS FRINK GROUT UNIDER CAMPLY COLUMN BASE PLATES AS REQUIRED BY CAMPLY MANUFACTURER.
 4.6 PROVIDE LISANTIA (LLV) FIELD FABRICATED FRAME BETWEEN JOISTS AT OPENINGS IN POOF GREATER THAN 101-101, UNIO. (INCLUDING EXHAUST FAN AND ROU PIPE OPENINGS IN COPENING SIX.)

- 5.1 HANGERS BUPPORTING MECHANICAL EQUIPMENT FROM JOIST CHORDS SHALL BE LOCATED WITHIN 3 NICHES OF JOIST PANEL, POINTS OR JOIST SHALL BE REINFORCED PER JOIST SHALL BESTON THE REI UPILITY PRESSURE ON ROOF SHOWN IN THE DESIGN LOADS
 5.2 IDISTS BHALL REIDIST THE REDIT UPILITY PRESSURE ON ROOF SHOWN IN THE DESIGN LOADS
 5.4 DIAGONAL BRIDDING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD FOREZONTAL BRIDGING IS DISCONTINUOUS
 5.5 DIGIST MANUFACTURER SHALL DESIGNAT THE COMPRESSION CHORD OF ALL JOISTS SHEPPORTING FOOD FOR JOINTS AND OTHER STRUCTURES FOR AN UNBRACED LENGTH APPLICABLE TO THE CONDITIONS AT THE PROJECT WHERE THE UNBRACED LENGTH IS GREATER THAN THE SLIMWARDM.
 6. JUIST GRANERS SHALL HANE TY ZIZ DEEP SEATS, AND JOISTS SWITH A LUYE LOAD DEFLECTION LINKT OF LUZGO.
 5.7 JOIST MANUFACTURER SHALL DESIGN JOISTS WITH A LUYE LOAD DEFLECTION LINKT OF LUZGO.
 5.8 PROVIDE MIN TOO CHORD WITH OF FOR JOISTS SUPPORTING FOOD WITH SITE OF LUZGO.
 5.6 PROVIDE MIN TOO CHORD WITH OF SFOR JOISTS SUPPORTING FOOD WITH SITE OF LUZGO.
 5.7 JOIST MANUFACTURER SHALL DESIGN AND STEES SUPPORTING STRUCTURE OF PROJECT OF STEEL WITH STEEL SUPPLIER
 5.6 ALL LOADS SHOWN ON THESE DRAININGS ARE WORKING DESIGN LOADS FOR WORKING STRESS DESIGN WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILDING CODE LOAD FACTORS APPLIED. NO INCREASE IN STRESS GELOR WITH THE APPROPRIATE BUILD

- 8.1 ROOF DECK SHALL BE PAINTED TYPE "B" (WIDE RIB) THREE SPAN MIN (UND ON FRAMING PLAN; AS SHOWN ON FRAMING PLAN. THE ROOF DECK IS REQUIRED TO ACT AS A DIAPHRAGM. REFER TO THE ROOF DIAPHRAGM CONNECTION DIAGRAM FOR ATTACHMENT.
- 8.2 PROVIDE 2 LAYERS OF ROOF DECK WHERE SINGLE SPAN CONDITION EXISTS. MAKE DIAPHRAGM CONNECTIONS AFTER PLACEMENT OF BOTH LAYERS OF ROOF DECK.
 6.3 WHEN THE ROOF DECK IS WELDED, WELDING RODS SHALL BE E 6022.

- 7.1 CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C 90. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (fm) SHALL BE 2,000 PSI. THE NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY (fm) SHALL BE 2,000 PSI. THE NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY (fm) SHALL BE 2,000 PSI. THE CONCRETE MASONRY USE MET. OF 14 AND MEETING THE PROPERTY SPECIFICATIONS OF ASTM C 270 TYPE "S" MORTAR. MASONRY CEMENT SHALL NOT FOR MORTAR.
 7.2 GROUT SHALL BET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI. REF SPECIFICATION SECTION 4200 FOR ADDITIONAL REQUIREMENT
 7.4 GROUT SHALL BET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI. REF SPECIFICATION SECTION 4200 FOR ADDITIONAL REQUIREMENT
 7.4 GROUT SHALL BET ASTM SPECIFICATION SECTION 4200 FOR ADDITIONAL REQUIREMENT
 7.5 HORIZOTHE, USON TREINFORGEMENT SHALL BE LOADER TYPE. RIFE SPECIFICATION SECTION 4200 FOR SPACING
 7.6 CONCRETE MASONRY SHALL BE LIAD ON RUNNING (COMMON) ROOM.
 7.6 CONCRETE MASONRY SHALL BE LIAD ON RUNNING (COMMON) ROOM.

- 7.6 CONCRETE MARKINEY SHALL BE LIAD M RINAINS (COMMON) BOND.
 7.7 CONCRETE MASKINEY BELOW FROM SHEED FLOOR SHALL BE NORMAL WEIGHT UNITS AND SHALL HAVE ALL CELLS FULLY GROUTED. CONCRETE MASKINEY ABOVE FINISHED FLOOR SHALL BE LIGHT WEIGHT ON NORMAL WEIGHT AND SHALL BE CHEMPER AND SHOWN BELOW TO SHALL BE LIGHT WEIGHT ON NORMAL WEIGHT AND SHALL BE ORDINED SHALL BE LIGHT WEIGHT ON HORMAL WEIGHT AND SHALL BE ORDINED SHALL BE LIGHT WEIGHT ON HORMAN AND SHALL BE NORMAL SHALL BE LIGHT WEIGHT ON HORMAN SHALL BE NORMAN WEIGHT ON HOR SHALL BE LIGHT WEIGHT ON HORMAN SHALL BE NORMAN WEIGHT ON HOR W

- 9.1 THE TESTING AGENCY SHALL VERRY THE SUBGRADE IS COMPACTED TO THE OPTIMUM MAXIMUM DRY DENSITY AS SPECIFIED IN THE FOLIADATION SUBSURFACE PREPARATION. A QUALIFIED REPRESENTATIVE OF THE TESTING AGENCY SHALL WITNESS PROOF ROLLING OF THE SUBGRADE TO DENTIFY UNACCEPTABLE ARRESS OF THE FUEL STATION PAD. THE CONTRACTOR SHALL RECOMPANCE OF REMOVE AND REPLACES SOFT ARREAS AS DETERMINED TO BE UNACCEPTABLE AT HIS ESTING AGENCY. THE TESTING AGENCY SHALL PROVIDE A REPORT TO THE OWNER TO THE OWNER OF THE TESTING AGENCY SHALL PROVIDE A REPORT TO THE OWNER ADDRESS OF THE SAME AGAINED TO DESTRUCT AND ASSESS OF THE SAME AGAINED THE FOUNDATION SUBSURFACE PREPARATION JUST PRIOR TO PLACING THE SAME AGAINED REPORDS AND AGAINS OF THE SAME AGAINED AND AGAINS OF THE AGAINST AND AGAINST

- 10.1 GROUNDWATER MAY BE ENCOUNTERED DURING FOUNDATION, SLAB, AND UNDERGROUND STORAGE TANK EXCAVATION.
 10.2 IF REQUIRED, CONTRACTOR SHALL DESIGN AND INSTALLS SHEET PILE SHORING FOR EXCAVATION SUPPORT AT UNDERGROUND STORAGE TANKS.
 10.3 DEWATER WITH TEMPORATY SUMP FITS AND PURPLES OF OTHER MEANS WHERE REQUIRED. REF SOLS REPORT FOR MORE MECRANATION.
 10.4 THE DESIGN AND INSTALLATION OF THE UNDERGROUND STORAGE TANKS AND AND-OTHERS SHEET RESIGNATION FOR BLOFART CONDITIONS. INSTALL TANKS AND AND-OTHERS SHEET AND SHEET SHOWN AND INSTALLATION OF THE UNDERGROUND STORAGE TANKS AND AND-OTHERS SHEET AND SHEET SHOWN AND INSTALLATION OF THE UNDERGROUND STORAGE TANKS AND AND-OTHERS SHEET SHOWN AND FOR SHEET SHOWN AND THE SHEET SHEET SHOWN AND THE SHEET SHOWN AND THE SHEET SHEET SHOWN AND THE SHEET SHEET SHOWN AND THE SHEET SHEE







ISSUE BLOCK

CHECKED BY: RAWN BY:

JBA PROJECT #: 96606894 BID SET CONSTRUCTION

ROTO CYCLE: 021017 DOCUMENT DATE: 04/07/1

GENERAL STRUCTURAL INFORMATION

FSS0

ABBREVIATIONS

MERICAN SOCIETY FOR TESTING AND

ABBREVIATIONS