LIBERTY CENTRAL SCHOOL DISTRICT MAINTENANCE BUILDING 125 Buckley St., Liberty, NY 12754

Construction Documents: 12/13/22

CSARCH - ARCHITECTS BLAKE ENGINEERING, PLLC - MEP ENGINEERS PASSERO ASSOCIATES - SITE/CIVIL & STRUCTURAL ENGINEERS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER: MAINTENANCE BUILDING 59-09-01-06-3-016-001 THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 203-2201



VICINITY MAP

DRAWING LIST - MAINTENANCE BUILDING (MB)

GENERAL DRAWINGS

G001	SYMBOLS, ABBREVIATIONS, AND MISC

CIVIL DRAWINGS

2111	NOTES
2130	EXISTING CONDITIONS, DEMOLITION, EROSIG
	CONTROL PLAN & SITE AND UTILITIES PLAN
2540	DETAILS

ARCHITECTURAL DEMOLITION DRAWINGS

AD101 DEMOLITION PLAN

LIFE SAFETY DRAWINGS

LIFE SAFETY PLANS LS101

STRUCTURAL DRAWINGS

S001	GENERAL NOTES, DESIGN CRITERIA, AND SC
S002	SPECIAL INSPECTIONS
S101	PLANS & SECTIONS
S501	TYPICAL DETAILS

ARCHITECTURAL DRAWINGS

A111	FIRST FLOOR PLAN
A201	EXTERIOR ELEVATIONS
A251	BUILDING SECTIONS
A301	WALL SECTIONS
A302	WALL SECTIONS
A351	SECTION DETAILS
A352	PLAN DETAILS
A401	ROOF PLAN AND DETAILS
A451	ROOF FRAMING PLAN
A601	ENLARGED PLAN AND ELEVATIONS
A602	ENLARGED PLAN AND ELEVATIONS
A603	ENLARGED PLAN AND ELEVATIONS
A604	TYPICAL EQUIPMENT PLANS, ELEVATIONS, A
A701	PARTITION TYPES
A811	FIRST FLOOR REFLECTED CEILING PLAN ANI
A901	DOOR SCHEDULE, ELEVATIONS, AND DETAI

ARCHITECTURAL FINISH DRAWINGS

FINISH SCHEDULES AND PLANS AF001

PLUMBING DRAWINGS

P101	PLUMBING NOTES, SCHEDULE, LEGEND, & D
201	WATER & GAS DISTRIBUTION PLAN
202	SANITARY PLAN

MECHANICAL DRAWINGS

M101	MECHANICAL NOTES, LEGEND, SCHEDULE, 8
M102	MECHANICAL SCHEDULES & PIPING DIAGRA
M201	MECHANICAL PLAN
M202	HYDRONIC PLANS

ELECTRICAL DRAWINGS

E101	ELECTRICAL NOTES, LEGEND, DETAILS, & SC
E102	ELECTRICAL SITE PLAN
E201	LIGHTING PLAN
E301	POWER PLAN

SION AND SEDIMENT

CHEDULES

AND DETAILS

ID DETAILS ILS

DETAILS

& DETAILS

CHEDULES



ABBREVIATIONS

ADD

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RM

RND

SCH SECT

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SIM SPEC

SQ

55 STC

STD

STL STOR

SUSP

SAC

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TECH TEMP TMPD

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TOS

TYP

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VEST

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W/0

ND NPT

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YD

UL UNO

STRUCT

RO

PLYMD

POLYISO

ΟZ

HTG

HVAC

HORIZ

GALV

DNG

ΑV

ADMIN

ABBREVIATION DESCRIPTION ADDENDUM ADMINISTRATIVE ABOVE FINISHED FLOOR ALTERNATE APPROX APPROXIMATE ARCHITECT / ARCHITECTURAL AUDIO VISUAL BUILDING BOT OR B/ BOTTOM OF

BASEMENT CONTROL / CONSTRUCTION JOINT CENTERLINE CLG / CLNG CEILING CLEAR CONCRETE MASONRY UNIT COLUMN CONCRETE CONFERENCE CONTINUOUS COORDINATE CORRIDOR DEMOLITION

DETAIL DIAMETER

DOWN DRAWING EDUCATION EXTERIOR INSULATION FINISH SYSTEM ELECTRIC / ELECTRICAL ETHYLENE PROPYLENE DIENE MONOMER EQUAL EQUIPMENT EXISTING EXPANSION JOINT EXTERIOR

FINISH FINISH FLOOR FIXTURE FLOOR FIRE-RETARDENT-TREATED MATERIAL FOOTING GAUGE

GALLON GALVANIZE(D) GENERAL CONTRACT(OR) GROUND GYPSUM WALL BOARD GYPSUM WALL BOARD SOFFIT HANDICAPPED ACCESSIBLE

HOLLOW METAL HORIZONTAL HOUR HEIGHT HEATING HEATING/VENTILATING/AIR CONDITIONING INSIDE DIMENSION INCH / INCHES

INTERIOR JANITOR JANITOR'S CLOSET JOIST JOINT LABORATORY POUND LINEAR

LEVEL MANUAL MASONRY MAXIMUM MEDIUM DENSITY FIBERBOARD MECHANICAL MEZZANINE MANUFACTURE(R) MIDDLE MINIMUM MISCELLANEOUS MASONRY OPENING METAL

NOT APPLICABLE NOT IN CONTRACT NOMINAL NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OVERHEAD

OPTIONAL

OUNCE PERIMETER PLASTIC LAMINATE PLUMBING PLASTER PLYWOOD PANEL PAINT(ED) POLYISOCYANURATE PRESSURE PRESERVATIVE TREATED PAIR PREPARATORY PARTITION POLYVINYL CHLORIDE

RADIUS RUBBER / RUBBER WALL BASE REQUIRED ROOM ROUND ROUGH OPENING

SCHEDULED SECTION SQUARE FEET SIMILAR SPECIFICATION SQUARE STAINLESS STEEL SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCTURAL / STRUCTURE SUSPENDED SUSPENDED ACOUSTICAL CEILING

TOP AND BOTTOM TONGUE AND GROOVE TECHNOLOGY TEMPORARY TEMPERED TOP OF MASONRY TOP OF STEEL TYPICAL

UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE VERTICAL

VESTIBULE VERIFY IN FIELD

WITH WITHOUT WOOD WOOD PRESERVED-TREATED MATERIAL WEIGHT YARD

ARCHITE	ECTURAL LEGEND	PLAN GRAPHICS LEGEND
MATERIAL INI	DICATIONS	
	EARTH	
	GRANULAR FILL	
	CONCRETE	
	ROUGH WOOD BLOCKING	FINISHED DOOR OPENINGS SHALL BE LOCA
	SHIM	DIMENSIONS FROM INSIDE OF FRAME TO WA
		+18"+ .6"_++
	PLYMOOD	
	SHEATHING	
		1. DIMENSIONS ARE GIVEN THUS (UNLESS NOTE
	BATTINSULATION	A. TO FACE OF MASONRY WALL B. TO FACE OF METAL STUD
RXXX	SPRAT FOAM INSULATION	C. TO COLUMN CENTERLINES D. TO FINISH FACE OF SOFFIT OR CEILING
	EPS INSULATION	2. DO NOT SCALE DRAWINGS IF A DIMENSION I
	STEEL	BRING IT TO THE ATTENTION OF THE ARCHIT VERIFICATION BEFORE PROCEEDING WITH T
DIMENSIONIN	<u>IG CONVENTIONS</u>	ASSOCIATED WORK
	FACE OF STUD OR CMU	3. WALLS ON COLUMN LINES ARE CENTERED, U
· · ·	COLUMN CENTER LINE	4. ALL DIMENSIONS RELATED TO EXISTING CO BE VERIFIED IN FIELD. CONTRACTOR TO NO OF ANY DISCREPANCIES PRIOR TO BEGINNI
		THAT AREA.
		5. LAYOUT OF TOILET FIXTURES AND ACCESSI CLEARANCES ARE SHOWN AS CLEAR DIMEN
	ROOM NAME	OF FINISHES TO ALL ON THESE CLEAR DIMEN
LASSROOM	ROOM NUMBER	6. ALL ELEVATIONS (X'-X") ARE REFERENCE F
(<u>A100</u>)	DOOR NUMBER, REFER TO A 400 DRAWINGS	2'-0" OF GRADE SHALL BE PRESSURE TREA
$\langle 1 \rangle$	MINDOM TAG, REFER TO AYOU DRAMINGS	8. ALL FLOOR PENETRATIONS SHALL BE SMOP AND /OR FIRE STOPPED. COORDINATE WITH
< <u>BL11</u> >	BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS	SMOKE / FIRE DAMPER REQUIREMENTS.
51	STOREFRONT / CURTAINWALL NUMBER, REFER TO A900 DRAWINGS	9. FOR INTERIOR PARTITION TYPES, REFER TO A 701
$\begin{pmatrix} 1 \end{pmatrix}$	COLUMN GRID DESIGNATION	10. FOR DOOR SCHEDULE, REFER TO DRAW
M 1	PARTITION TAG, REFER TO A 700 DRAWINGS	11. FOR FINISH SCHEDULE, REFER TO DRAWI
	HOUR RATING OF PARTITION ADDITIONAL NOTES FOR PARTITION	12. ALL EXPOSED SURFACES OF NEW PARTI SOFFITS ARE TO BE FINISHED.
	REVISION NUMBER	13. PROVIDE PATCH TO MATCH EXISTING FIN
	KEY NOTE, NEW WORK	DEMOLITION DRAWINGS AND SPECIFICAT
$\left(1 \right)$	KEY NOTE, DEMOLITION WORK	14. FOR ALL MATERIAL TESTING, REFER TO DIVISION 000220
+ <i>O</i> '- <i>O</i> "	ELEVATION TAG	15. ALL CONSTRUCTION SHOWN IS NEW UNLE
	HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE	
MALL FINISH BASE FINISH	INTERIOR FINISH TAG,	
FLOOR FINISH CEILING FINISH	REFER TO AF 100 DRAWINGS	
<u>Detail i</u>	NDICATOR LEGEND	
<u>Section ind</u>	ICATOR SECTION NUMBER	
DRAWING SHEE	T NUMBER A100	
SECTION IS DRA	DIRECTION OF VIEW	
DETAIL INDIC		
	1	
DRAWING SHEE	T NUMBER A100	
JECTION IS DRA	DIRECTION OF VIEW	
LINLAKUEU DI		
DRAWING AREA		
REQUIRING DETAIL		
	DRAWING SHEET NUMBER	2
	DETAIL IS DRAWN ON	
<u>Deta</u> il title		
	FLÓOR PLAN	
	A100 $\frac{1}{8} = \frac{1}{2}$	
DRAWING SHEE		
EXTERIOR ELE	VATION INDICATOR	
	ELEVATION NUMBER	

DRAWING SHEET

NUMBER DETAIL IS DRAWN ON

INTERIOR ELEVATION INDICATOR BLANK ARROW INDICATES ELEVATIONS NOT DETAILED

A100

ELEVATION NUMBER

- DIRECTION OF VIEWS

DRAMING SHEET NUMBER-DETAIL IS DRAWN ON



CONSTRUCTION DOCUMENTS

MAP REFERENCE:

ALL EXISTING CONDITIONS AND PROPERTY INFORMATION HAVE BEEN OBTAINED FROM THE SURVEY "BOUNDARY AND TOPOGRAPHIC SURVEY OF A PORTION OF LIBERTY JR/SR HIGH SCHOOL" PERFORMED BY BOLTON LAND SURVEYING, P.C. DATED NOVEMBER 16, 2017 .

- DEMOLITION NOTES:
- CURITY PROVIDE, INSTALL AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
- SAFE CONTRACTOR IS RESPONSIBLE TO CALL DIG SAFE PRIOR TO BEGINNING
- VERIFICATION CONTRACTOR TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF ALL UTILITIES WITHIN THE WORK AREA OR THOSE EXPECTED TO BE AFFECTED BY NEW WORK, AND SUBSURFACE FEATURES. THE CONTRACTOR MUST BRING ANY ISSUES TO THE DESIGN ENGINEER AND OBTAIN WRITTEN APPROVAL FROM THE

PROJECT ARCHITECT UPON COMPLETION OF VERIFICATION PRIOR TO THE START

- OF DEMOLITION OR CONSTRUCTION. APPLICABILITY THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK SHOWN ON THE "C" SERIES DRAWINGS AND AS DEFINED IN THE SPECIFICATIONS UNLESS SPECIFICALLY DEFINED OTHERWISE. THIS INCLUDES ALL REMOVALS AS NECESSARY FOR THE CONSTRUCTION OF NEW WORK EVEN IF NOT SPECIFICALLY NOTED ON THE CONTRACT DOCUMENTS.
- RECORD MAP DURING REMOVAL/DEMOLITION PROCESS THE CONTRACTOR SHALL OBTAIN DETAILED RECORD INFORMATION TO ACCURATELY LOCATE ALL EXISTING UNDERGROUND UTILITIES ENCOUNTERED. THIS INFORMATION SHALL BE INCLUDED ON THE RECORD/AS-BUILT MAPS TO BE SUPPLIED BY THE SITE CONTRACTOR TO LIBERTY CENTRAL SCHOOLS.
- SHUTDOWNS CONTRACTOR TO COORDINATE ALL UTILITY SHUT DOWNS, RELOCATIONS, SERVICE INSTALLATIONS WITH THE SCHOOL DISTRICT AND LOCAL UTILITY COMPANIES.
- COORDINATION CONTRACTOR SHALL COORDINATE THE REMOVAL OF DEMOLISHED MATERIAL WITH THE PROJECT ARCHITECT, SITE FURNISHINGS AND MATERIAL DETERMINED TO BE REMOVED SHALL BE REMOVED AND EXPORTED OFFSITE IN A LEGAL MANNER AND IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- PROTECT ALL EXISTING FEATURES TO REMAIN. DAMAGE TO EXISTING ASPHALT, LAWN AND OTHER FEATURES TO REMAIN AND SHALL BE REPAIRED AT THE

CONTRACTOR'S EXPENSE.

- DISTURBANCE ALL SURFACES THAT ARE DISTURBED DUE TO UTILITY CONSTRUCTION, OUTSIDE OF THE MAJOR WORK AREAS, ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITION, IN ACCORDANCE WITH THE ASPHALT AND CONCRETE SECTION DETAILS INCLUDED IN THESE PLANS. LAWN AREAS ARE TO BE RE-ESTABLISHED WITH A MINIMUM OF 4 INCHES OF TOPSOIL AND SEED
- HAZARDOUS MATERIAL ANY MATERIALS CONTAINING ASBESTOS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. NOTE THIS MAY INCLUDE UNDERGROUND UTILITIES. SITE CONTRACTOR SHALL CONTACT THE OWNERS REPRESENTATIVE TO NOTIFY THEM OF ANY UNKNOWN HAZARDOUS MATERIAL.
- EXISTING SERVICE CONTRACTOR SHALL MAINTAIN SERVICE FROM ALL UTILITIES NOT SLATED FOR DEMOLITION AND SHALL REMAIN FUNCTIONAL UPON COMPLETION OF DEMOLITION.
- EXISTING UTILITIES THAT ARE PROPOSED TO BE REMOVED, UNLESS OTHERWISE INDICATED, SHALL BE EXCAVATED, UTILITY MATERIAL REMOVED, AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS. ALL TRENCHES SHALL BE BACKFILLED WITH GRANULAR FILL, COMPACTED IN 12" LIFTS TO 95% MODIFIED PROCTOR TEST, ALL DISTURBED AREAS SHALL BE RESTORED IN KIND IN ACCORDANCE WITH THE DETAILS IN THESE PLANS AND AT A MINIMUM TO THEIR ORIGINAL STATE.
- 3. SAWCUT AREAS OF ASPHALT AND CONCRETE REMOVAL SHALL BE SAWCUT WITH A NEAT STRAIGHT LINE AT ALL REMOVAL LIMITS. 4. PERMITS CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS REQUIRED FOR
- DEMOLITION AND CONSTRUCTION, INCLUDING ALL FEES ASSOCIATED WITH THOSE PERMITS, IN THE BID. ENVIRONMENTAL CONDITIONS OR ISSUES, NOT PREVIOUSLY IDENTIFIED, ARE
- ENCOUNTERED DURING DEMOLITION, THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER BEFORE CONTINUING THE DEMOLITION PROCESS.
- 16. <u>RECYCLE</u> ALL MATERIALS WHEN APPROPRIATE.
- 7. <u>SPOIL MATERIALS</u> FROM DEMOLITION OR EARTHWORK, SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. STRUCTURES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED TO A DEPTH OF 2 FEET BELOW FINISHED GRADE. STRUCTURES SHALL BE FILLED WITH
- CRUSHED STONE, (MEETING NYSDOT STANDARD SPECIFICATION SECTION 304) COMPACTED IN 12" LIFTS TO 95% MODIFIED PROCTOR TEST. 9. MILLING THE CONTRACTOR CAN MILL AND STOCKPILE MILLINGS FOR RE-USE IF DETERMINED BY THE PROJECT ARCHITECT AND DESIGN ENGINEER THAT THE
- MATERIAL IS SUITABLE FOR FILL MATERIAL. 20. <u>FIELD TILE</u> IN THE EVENT FIELD TILE IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER. UNDER NO CIRCUMSTANCES SHALL FIELD

TILE BE PERMITTED TO EXIST NEAR BUILDING FOUNDATIONS.

ELECTRICAL DEMOLITION - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING ELECTRICAL FEATURES, AND SHALL COORDINATE WITH THE CONTRACTOR ON BACKFILLING TRENCHES TO MEET THE SPECIFICATIONS OUTLINED WITHIN THE CONTRACT DOCUMENTS.

EROSION AND SEDIMENT CONTROL NOTES:

THE CONTRACTOR SHALL REVIEW THE EROSION AND SEDIMENT CONTROL PLAN INCLUDED IN THE CONTRACT DOCUMENTS, AND IF NECESSARY, MODIFY THE PLAN WITH THE SITE CONTRACTOR'S INTENDED SEQUENCE AND TYPES OF OPERATIONS. THE CONTRACTOR'S MODIFIED EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, ALONG WITH A PROGRESS SCHEDULE THAT ADDRESSES THIS WORK.

- 1. THE CONTRACTOR SHALL DESIGNATE AN "EROSION AND SEDIMENT CONTROL SUPERVISOR" FOR THE PROJECT, AS DEFINED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION. THE SUPERVISOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN AND FOR INSPECTING AND MAINTAINING THE CONTROL MEASURES. THE NAME AND QUALIFICATIONS (TRAINING AND EXPERIENCE) OF THIS INDIVIDUAL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING EARTHWORK.
- 2. THE DESIGNATED "EROSION AND SEDIMENT CONTROL SUPERVISOR" SHALL NOTIFY THE ENGINEER IN ADVANCE OF ANY FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE CONTRACT DOCUMENTS. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO SUBMIT A MODIFIED FROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO IMPLEMENTING ANY FIELD CHANGES
- 3. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES BEFORE ENTERING A WATER BODY OR WETLAND.
- 4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE FOR WHICH THEY ARE INTENDED AND SHALL REMAIN IN PLACE UNTIL SOILS ARE PERMANENTLY STABILIZED.
- 5. UNDER NO CONDITION SHALL DISCONTINUED CONSTRUCTION ACTIVITIES IN AREAS WITH SOIL DISTURBANCES BE LEFT FOR A PERIOD OF GREATER THAN 7 DAYS WITHOUT TEMPORARILY STABILIZING THOSE AREAS WITH TEMPORARY SEED AND MULCH. MAINTENANCE OF THOSE AREAS SHALL INCLUDE RESEEDING AND REMULCHING AS NEEDED TO ESTABLISH A SATISFACTORY STAND OF GRASS. THERE SHALL BE NO ADDITIONAL PAYMENT FOR RESEEDING AND REMULCHING.
- 6. NO WET OR FRESH CONCRETE, LEACHATE, MATERIAL, OR DEBRIS SHALL BE ALLOWED TO ESCAPE INTO A WATER BODY OR WETLAND, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER A WATER BODY OR WETLAND. ANY MATERIAL OR DEBRIS ACCIDENTALLY DROPPED INTO THE CHANNEL SHALL BE IMMEDIATELY AND COMPLETELY REMOVED AND DEPOSITED IN
- 7. THE CONTRACTOR SHALL COVER TEMPORARY STOCKPILES OF ERODIBLE MATERIAL (SUCH AS TOPSOIL OR EARTH FILL) WITH POLY SHEETING, OR RING THE STOCKPILES WITH SILT FENCE TO CONTROL EROSION, POLY SHEETING SHALL COMPLETELY COVER THE STOCKPILE AND BE SECURELY ANCHORED AT ALL TIMES. ANY POLY SHEETING OR SILT FENCE THAT IS DAMAGED SHALL BE PROMPTLY REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. RINGED STOCKPILES EXPOSED OR EXPECTED TO BE EXPOSED FOR LONGER THAN 7 CALENDAR DAYS SHALL IMMEDIATELY BE STABILIZED WITH APPROPRIATE MEASURES. THE COST OF COVERING AND RINGING/STABILIZING STOCKPILES SHALL BE INCLUDED IN THE PRICE BID FOR THE CORRESPONDING STOCKPILED MATERIAL
- 8. DUST CONTROL MEASURES SHALL BE APPLIED AS NEEDED. SWEEP ROADWAYS WHEN THEY BECOME SEDIMENT LADEN. MINIMIZE DISTURBED AREAS, APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING. SEEDING. AND SPRAYING WATER. WATER SHALL BE SPRAYED AS NEEDED BUT AVOID EXTRA SPRAYING WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CONSTRUCTION SEQUENCE FOR GRADING AND EROSION CONTROL

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.

AN UPLAND PROTECTED AREA.

- 2. CONSTRUCT EROSION CONTROL MEASURES AND STORMWATER MANAGEMENT AREAS AS SHOWN ON THE PLANS.
- 3. CONSTRUCT TEMPORARY/PERMANENT SWALES AS SHOWN ON THE CONTRACT DOCUMENTS.
- 4. CLEAR AND GRUB THE PROJECT IMPROVEMENTS AREAS. 5. STRIP TOPSOIL AND STOCKPILE FOR LATER USE.
- 6. GRADE IMPROVEMENT AREAS WITHIN THE PROJECT SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE.
- . CONSTRUCT SEDIMENTATION BARRIERS AS SHOWN ON THIS PLAN.
- 8. REPLACE TOPSOIL AND FINE GRADE.
- 9. HYDRO-SEED ALL DISTURBED AREAS WITHIN 10 DAYS AFTER FINAL GRADING, SITE CONTRACTOR IS RESPONSIBLE TO RESEED IF GRADING IS UNSATISFACTORY. 10. UPON APPROVAL OF THE ENGINEER, CONTRACTOR SHALL REMOVE ALL
- TEMPORARY EROSION AND SEDIMENT CONTROLS. 11. SLOPES SHALL NOT EXCEED 1' VERTICAL TO 3' HORIZONTAL MAX. MAINTAIN 1:4 WHERE POSSIBLE.
- 12. MINIMUM OF 6" OF TOPSOIL IS TO BE PLACED ON ALL GRASS AREAS.
- 13. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BASED UPON ACTUAL FIELD CONDITIONS AS ORDERED BY ENGINEER (AOBE). SITE CONTRACTOR SHALL PROVIDE FOR THIS COST IN THEIR CONTRACT.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES FROM INSTALLATION THROUGH MAINTENANCE AND REMOVAL AFTER NEW VEGETATION HAS BEEN ESTABLISHED. 15. ALL END SECTIONS SHALL BE PROVIDED WITH RIP-RAP APRONS.
- 16. ALL EROSION AND SEDIMENT CONTROL METHODS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

AT THE VERY MINIMUM, EROSION CONTROL SHALL BE AS SHOWN ON THIS PLAN. EROSION CONTROL MAY CONSIST OF SEDIMENT TRAPS AND/OR ENVIRONMENTAL FENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTEGRITY. MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES UNTIL NO LONGER DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE STORM SEWER SYSTEM UNTIL THE PROJECT IS DEVELOPED AND APPROVED BY THE OWNER AND ENGINEER.

ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STONE FILL. CORRECTIVE ACTIONS, AS IDENTIFIED BY THE QUALIFIED SWPPP INSPECTOR SHALL BE INITIATED WITHIN 24 HOURS OF BEING REPORTED. THE ENGINEER MAY REVIEW THE PROJECT SITE AT ANY TIME. REVIEW OF EROSION CONTROL MEASURES BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS UNDER THE NYSDEC SPDES GENERAL PERMIT FOR STORM WATER DISCHARGE FROM CONSTRUCTION ACTIVITY. (GP-0-20-001).

SITE PLAN NOTES:

OPERATIONS

LAYOUT THE DIMENSIONS SHOWN ARE TO THE FACE OF THE CURB AND INCLUDES THE OVERALL SIDEWALK WIDTH, WHERE APPLICABLE.

ASPHALT ASPHALT SHALL BE CALCULATED BY WEIGHT (TONNAGE) USING THE SPECIFIED COMPACTED THICKNESS. PAVEMENTS WILL BE BASED ON THE TONNAGE PLACED AS ACCOUNTED FOR BY EACH DELIVERY TRUCK. FULL TIME ON-SITE OBSERVATION WILL BE PRESENT DURING ALL RELATED PAVING

VEHICULAR TRAFFIC SHALL NOT BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.

SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITION". CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.

PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.

6. JOINTS PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENT OR BETWEEN SUCCESSIVE DAYS WORK. TACK COAT SHALL BE APPLIED TO BINDER COURSE TACK COAT SHALL CONFORM WITH THE FOLLOWING:

A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITION" AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407. TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS. B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE LISE POWER BROOMS BLOWERS OF HAND BROOM C. APPLY TACK COAT TO THE ASPHALT PAVEMENT SURFACES AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR

5. <u>CLEAN SURFACE</u> AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER. UTILITY NOTES:

ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.

D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.

PRIOR TO THE START OF UTILITY INSTALLATION THE CONTRACTOR (AND ANY SUBCONTRACTORS) IS RESPONSIBLE FOR COORDINATION OF ALL UTILITY CONNECTIONS WITH MECHANICAL/ELECTRICAL/ PLUMBING DRAWINGS FOR INCLUDING BUT NOT LIMITED TO VERTICAL AND HORIZONTAL LOCATION, PENETRATIONS, AND SIZES, THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROCEED WITH UTILITY INSTALLATION BY THE PROJECT ARCHITECT

UPON COMPLETION OF COORDINATION WITH CONTRACTORS AND PLANS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRICAL, CABLE, TELEPHONE AND ANY OTHER UTILITIES NOT SPECIFICALLY SHOWN WITHIN THIS PLAN SET WITH APPROPRIATE AGENCY. PASSERO ASSOCIATES ASSUMES NO RESPONSIBILITY FOR THE DESIGN OR PERFORMANCE OF UTILITIES NOT SPECIFICALLY SHOWN WITHIN THIS PLAN SET.

B. PRIOR TO THE START OF UTILITY INSTALLATION THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY AND COORDINATE WITH EXISTING UTILITIES SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROCEED WITH UTILITY INSTALLATION BY THE PROJECT ARCHITECT UPON COMPLETION OF EXISTING UTILITY VERIFICATION.

4. UTILITY CROSSINGS THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF EXISTING UTILITIES AT ALL PROPOSED CROSSINGS AND NOTIFY THE OWNERS REPRESENTATIVE OF ANY CONFLICTS PRIOR TO UTILITY INSTALLATION. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROCEED WITH INSTALLATION UPON UTILITY VERIFICATION COMPLETION.

5. FLUSH AND CAMERA EXISTING STORM SEWER(S). THE CONTRACTOR SHALL FLUSH AND CAMERA THE EXISTING STORM SEWER PRIOR TO PROJECT COMPLETION AND PROVIDE THE VIDEO FOR REVIEW TO THE PROJECT ARCHITECT. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL PRIOR TO PAYMENT APPLICATION FOR STORM SEWER WORK COMPLETED.

6. LATERALS ALL STORM, SANITARY, WATER ETC. LATERALS SHALL BE CONSTRUCTED TO 5' FROM THE FACE OF THE BUILDING, VERTICAL AND HORIZONTAL LOCATION SHALL BE COORDINATED WITH THE MECHANICAL/ELECTRICAL/PLUMBING CONTRACTORS.

TEMPORARY CONSTRUCTION AREA SEEDING NOTES

1. THE AREA SHALL BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE.

2. SEEDING SHALL TAKE PLACE WITHIN 24 HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SHALL BE NEEDED PRIOR TO SEEDING.

- 3. TYPICALLY FERTILIZER OR LIME SHALL NOT USED FOR TEMPORARY SEEDING.
- 4. ANY SEEDING METHOD MAY BE USED THAT PROVIDES UNIFORM APPLICATION OF SEED TO THE AREA. 5. SEEDING
- PLANTING SEASON RATE IN LBS./ACRE SPECIES SPRING, SUMMER, OR EARLY FALL RYE GRASS 30

(ANNUAL OR PERENNIAL) LATE FALL OR EARLY WINTER WINTER RYE (CEREAL RYE) 100

*MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE. WOOD FIBER, HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL MAY BE USED IF APPLIED ACCORDING TO SPECIFICATIONS.

COMPACTION NOTES

- 1. THE CONTRACTOR SHALL STRIP THE TOPSOIL AND REMOVE ANY UNSUITABLE SOILS. WITHIN THE PROPOSED GRADING LIMITS PRIOR TO PLACEMENT OF FILL MATERIAL.
- 2. ALL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY OF STANDARD PROCTOR TEST AT OPTIMUM MOISTURE CONTENT.
- 3. THE COMPACTION TESTS SHALL BE CONDUCTED BY A LICENSED TESTING

LABORATORY AND RESULTS SUBMITTED TO DESIGN ENGINEER.

SOIL REST 1. TILL COMPOST

- RIPPER, TRACT AND COMPOS
- 2. ROCK-PICK UI CLEANED OFF
- 3. APPLY TOPSOIL 4. VEGETATE AS

1. THE CONTRACTOR IS RESPONSIBLE FOR ROUGH GRADING AND RE-SPREADING TOPSOIL IN

- BETWEEN 5.5 7.0.

- THICKNESS OF THE SEED

10. LAWN SEED MIX

LOW MAINTENANCE FESCUE LAWN 25% FIREFLY HARD FESCUE

10% MINOTAUR HARD FESCUE

20% RED TOP 20% ALKALI GRASS 10% AUTUMN BENTGRASS

11. DRY APPLICATION MULCH MOISTURE CONTENT.

SEEDED AREA.

ORATION NOTES	SHEET NUMBER	TITLE
I INTO SUBSOIL TO A DEPTH OF AT LEAST 12" USING CAT-MOUNTED OR MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR	C111	NOTES
ST INTO SUBSOILS.	C130	EXISTING CONDITIONS, DEMOLITION, E
NTIL UPLIFTED STONE/ROCK MATERIALS OF 4" AND LARGER ARE SITE.		AND SEDIMENT CONTROL PLAN
IL TO A DEPTH OF 6" ON ALL AREAS BEING RETURNED TO GRASS.	C130	SITE AND UTILITIES PLAN
REQUIRED BY APPROVED PLAN.	C540	DETAILS

TOPSOIL AND SEEDING NOTES

ALL TURF AND LANDSCAPE AREAS (BEDS AND ISLANDS). 2. THE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING AND PREPARATION OF ALL LAWN AND LANDSCAPE AREAS.

3. REMOVE ALL EXISTING VEGETATION DURING GRADING PROCESS. 4. APPLY MINIMUM OF 6 INCHES OF CLEAN TOPSOIL (IMPORTED OR SCREEN ON -SITE) AND FINE GRADE, LEAVING TOPSOIL IN A LOOSE AND FRIABLE CONDITION FOR SEEDING.

5. LIME SOIL OR ADD OTHER ORGANIC AMENDMENTS AS NECESSARY TO ACHIEVE A SOIL pH

6. THE CONTRACTOR SHALL WORK OVER LAWN AREAS THAT HAVE REMAINED PARTIALLY INTACT. TOP DRESSING WITH SOIL, SCARIFYING, AND SEEDING TO FORM A SMOOTH, FULL EVEN LAWN, FREE OF BARE SPOTS, INDENTATIONS, AND WEEDS.

7. SEEDING SHALL BEGIN IMMEDIATELY UPON COMPLETION OF FINE GRADING. SEED SHOULD BE PRESSED INTO THE SOIL TO CREATE GOOD SEED-TO-SOIL CONTACT, NO DEEPER THAN THE

8. A 10-0-10 FERTILIZER SHALL BE APPLIED EVENLY AT THE RATE OF 20 POUNDS PER 1000 SQ FT. NO FERTILIZER CONTAINING PHOSPHORUS IS PERMITTED ON SITE. 9. SEED SHALL BE APPLIED EITHER BY HAND BROADCASTING OR HYDRO SEEDING. TWO PASSES SHALL BE MADE IN PERPENDICULAR DIRECTIONS TO INSURE PROPER COVERAGE.

MIX A: SEEDING RATE: 6 LBS./1,000 SQ.FT

PREFERRED SEED: LOW MAINTENANCE GRASS SEED MIX OR APPROVED EQUAL

25% BIG HORN GT HARD/SHEE 20% INTRIGUE CHEWINGS FESCUE 20% QUATRO SHEEP FESCUE

*SEED MIX B IS TO BE USED ONLY FOR WET-OCCASIONALLY WET LOCATIONS.

MIX B: SEEDING RATE: 4LBS./1,000 SQ.FT OCCASIONAL WET - WET LOCATIONS: 20% VIRGINIA WILD RYEGRASS 20% FOX SEDGE

10% FOWL BLUEGRASS

A. STRAW MULCH SHOULD BE APPLIED TO NEWLY SEEDED AREAS WITHIN 12 HOURS IF HYDRO MULCH IS NOT UTILIZED. B. DRY APPLICATION, STRAW: STALKS OF OATS, WHEAT, RYE OR OTHER APPROVED CROPS WHICH ARE FREE OF NOXIOUS WEEDS. WEIGHT SHALL BE BASED ON A 15 PERCENT

C. DRY APPLICATION: WITHIN ONE DAY AFTER SEEDING, COVER THE SEEDED AREAS WITH A UNIFORM BLANKET OF STRAW MULCH AT THE RATE OF 100 POUNDS PER 1000 SQ FT OF

12. HYDRO APPLICATION: APPLY APPROVED MULCH IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDED RATES OF APPLICATION. APPLY SEEDING MATERIALS WITH AN APPROVED HYDRO SEEDER.

A. COLORED WOOD CELLULOSE FIBER PRODUCT SPECIFICALLY DESIGNED FOR USE AS A HYDRO-MECHANICAL APPLIED MULCH. ACCEPTABLE PRODUCT: CONWED HYDRO MULCH, CONWED FIBERS, 231 4TH STREET SW, HICKORY, NC

13. FILL TANK WITH WATER AND AGITATE WHILE ADDING SEEDING MATERIALS. USE SUFFICIENT FERTILIZER, MULCH, AND SEED TO OBTAIN THE SPECIFIED APPLICATION RATE. ADD SEED TO THE TANK AFTER THE FERTILIZER AND MULCH HAVE BEEN ADDED. MAINTAIN CONSTANT AGITATION TO KEEP CONTENTS IN HOMOGENEOUS SUSPENSION. PROLONGED DELAYS IN APPLICATION OR AGITATION THAT MAY BE INJURIOUS TO THE SEED WILL BE THE BASIS OF **REJECTION OF MATERIAL REMAINING IN TANK.**

14. DISTRIBUTE A SLURRY MIXTURE OF WATER, SEED, FERTILIZER, AND MULCH UNIFORMLY AT A MINIMUM RATE OF 57 GALLONS PER 1000 SQ FT (2500 GALLONS PER ACRE). THE OWNER AND/OR PROJECT ARCHITECT MAY ORDER THE AMOUNT OF WATER INCREASED IF DISTRIBUTION OF SEEDING MATERIALS IS NOT UNIFORM.

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LEGEND:

____**1634**____ _____ <u>520 ____</u> ------- 521 -------

EXISTING MINOR CONTOUR PROPERTY BOUNDARY EXISTING FENCE EXISTING BUILDING X X X X X X X X X X EXISTING FEATURE TO BE REMOVED EXISTING ASPHALT TO BE REMOVED EXISTING BUILDING TO BE REMOVED PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED CONCRETE PROPOSED ASPHALT LIMIT OF DISTURBANCE SILT FENCE INLET PROTECTION

DEMOLITION KEY:

 $\langle A \rangle$ SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT AND SUBBASE. REPLACE IN KIND AFTER NEW WATER LINE INSTALLATION.

 $\langle b \rangle$ remove and dispose of existing sanitary sewer pipe from existing manhole to new manhole. Contractor shall field verify outlet invert elevation at THE EXISTING MANHOLE AND INFORM THE ENGINEER OF ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND THESE PLANS. CONTRACTOR SHALL NOT INSTALL NEW SANITARY SEWER PIPE UNTIL APPROVED BY THE PROJECT ARCHITECT AND/OR ENGINEER.

 $\langle c \rangle$ REMOVE AND DISPOSE OF EXISTING SANITARY SEWER PIPE.

(D) REMOVE AND DISPOSE EXISTING WATER PIPE WITHIN 10 FEET OF NEW CONSTRUCTION. TERMINATE SERVICE CONNECTION AT ADMINISTRATION BUILDING.

- $\langle E \rangle$ REMOVE AND DISPOSE OF EXISTING BUILDING, INCLUDING FOUNDATION. $\langle F \rangle$ REMOVE AND DISPOSE OF EXISTING FENCE. INSTALL POLES AS REQUIRED TO SUPPORT EXISTING FENCE AT NEW TERMINATIONS.
- $\langle G \rangle$ CAP OR OTHERWISE REMOVE EXISTING PIPE FROM SERVICE.
- $\langle H \rangle$ SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT AND SUBBASE. REPLACE IN KIND AFTER NEW STORM SEWER INSTALLATION.
- $\langle I \rangle$ REMOVE AND STORE GATE AND HARDWARE FOR RE-INSTALLATION AFTER PAVING IS COMPLETE.

 $\langle J \rangle$ SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT AND SUBBASE A MINIMUM OF TWO FEET FROM THE EDGE OF THE PROPOSED CONCRETE APRON.

NOTES

ENGINEER.

1. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING WATER LINE AND PRESENCE/ABSENCE OF A VALVE OR OTHER SUITABLE CONNECTION POINT FOR THE PROPOSED WATER LINE. CONTRACTOR SHALL INFORM PROJECT ARCHITECT AND/OR ENGINEER OF THEIR FINDINGS AND RECEIVE APPROVAL OF THE PROPOSED CONNECTION METHOD PRIOR TO CONSTRUCTION. 2. CONTRACTOR SHALL BE AWARE THAT SEVERAL UTILITY CONNECTION INVERTS SHOWN ON THIS PLAN ARE BASED ON ESTIMATIONS FROM INCOMPLETE SURVEY DATA. CONTRACTOR

SHALL FIELD VERIFY EXISTING INVERT ELEVATIONS AT CONNECTION POINTS AND INFORM THE PROJECT ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THE FIELD

MEASUREMENTS AND THE ESTIMATED ELEVATIONS SHOWN ON THIS PLAN. CONTRACTOR SHALL NOT PROCEED WITH THE WORK UNTIL AUTHORIZED BY THE PROJECT ARCHITECT AND/OR

PLAN LEGEND	50-7601
XIT DW (SECONDARY EXIT) XIT TANCE STATION / AREA OF REFUGE CCUPANTS PER TABLE 1004.1.2 BER OF OCCUPANTS) TWIDTH FOR DOOR BASED T* 0.2) TWIDTH FOR STAIRS BASED T* 0.3)	19 Front St. · Newburgh · New York 125 845 · 561 · 3179 www.csarchpo CSAARO
* 0.3) FRAVEL (START - END)	
R CABINET OVIDED QUIRED HER HER CABINET CCUPANTS IN SPACE RATION NOTES ATED FIRE PARTITION	Consultant
ATED FIRE PARTITION	
3,080 SF GROSS 51-MODERATE HAZARD STORAGE R TABLE 506.2)	
E-RESISTANCE RATING: 11) ENOTES ERFORMED SHALL BE IN FOLLOWING: BUILDING CODE EXISTING BUILDING CODE UPPLEMENTS OF PLANNING STANDARDS IS AND NEW WORK IE FOLLOWING MAXIMUM DISTANCE SHALL NOT UNSPRINKLERED BUILDINGS 2000 FLOOR CORRIDOR ET ALONG THE LINE OF OR DOORWAY, ANY POINT IN IAN A GROUND FLOOR EXCEED 120 FEET ALONG THE STAIR ENCLOUSRE OF IS AND NEW WORK IE FOLLOWING DEAD-END N: R POCKETS SHALL NOT PTH OF 1 1/2 TIMES THE OR 1 1/2 TIMES THE WIDTH CHEVER IS LESS. MAX DEAD-	LIBERTY CENTRAL SCHOOL DISTRICT MAINTENANCE BUILDING
	Image: big
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GENERAL NOTES:

- 1. ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, HVAC, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
- 2. THE CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. IN THE FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
- 3. THE DRAWINGS ARE INTENDED TO REQUIRE AND TO INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT PROPER FOR THE WORK. 4. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES AND REQUIREMENTS. 5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS,
- TECHNIQUES, SEQUENCES, AND SAFETY PROCEDURES. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK. 5. OBSERVE ALL OSHA AND OTHER APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY
- GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CONSTRUCTION SAFETY AT ALL TIMES. 7. COORDINATE WORK OF ALL DISCIPLINES (STRUCT., ARCH., MECH., ELECT., ETC.) WITH EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS
- PERFORMING WORK AT THE SITE. 8. ALL TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER THE STRUCTURAL INTEGRITY OF ANY EXISTING FEATURE.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLACED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
- 10. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO CONSTRUCTION. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. IMMEDIATELY, SEE THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS. CHANGES AFFECTING THE LAYOUT SHOWN MUST BE SPECIFIC AND CLEARLY CONVEYED TO THE OWNER'S REPRESENTATIVE IN WRITTEN FORM AS A CHANGE FOR INCLUSION INTO THESE PLANS.
- 11. SHOP DRAWINGS: REPRODUCTION OF DESIGN DRAWINGS SHALL NOT BE PERMITTED FOR SHOP DRAWING SUBMISSIONS. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL REVIEW AND PROVIDE REVIEW STAMP ON SHOP DRAWING SUBMISSIONS PRIOR TO SUBMITTAL TO ARCHITECT/ENGINEER INDICATING UNDERSTANDING AND ACCEPTANCE OF SUBMITTAL AND CONFIRMING CONFORMANCE TO PROJECT PLANS/SPECIFICATIONS.
- 12. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY. 13. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC,
- PLUMBING, PROCESS OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE PERTINENT TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS SHALL BE BORNE BY THE APPROPRIATE CONTRACTOR.

FOUNDATION NOTES

- . FOOTING ELEVATION SHOWN REPRESENT THE MINIMUM DEPTH TO WHICH FOOTINGS SHALL BE PLACED, BUT SHALL BEAR AT A DEPTH BELOW FINISHED GRADE NO LESS THAN 4' - 0". FOOTINGS SHALL BE LOWERED AS REQUIRED TO OBTAIN SUITABLE BEARING. WHERE FOOTINGS ARE REQUIRED TO BE LOWERED MORE THAN 1 FOOT, NOTIFY THE ENGINER OF RECORD. ALL UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED WITH FOOTINGS RESTING ON STRUCTURAL FILL WITH A MINIMUM
- BEARING CAPACITY OF 1500 PSF, UNLESS OTHERWISE INDICATED. 2. A GEOTECHNICAL ENGINEER SHALL VERIFY THE ALLOWABLE BEARING CAPACITY OF THE SOILS PRIOR TO THE START OF CONSTRUCTION, AND NOTIFY THE EOR IF THE ALLOWABLE BEARING CAPACITY IS LOWER THAN 1500 PSF. THE GEOTECHNICAL ENGINEER SHALL PROVIDE RECOMMENDATIONS FOR REMEDIATING POOR BEARING OR PROVIDE ALTERNATIVE BEARING/FOUNDATION SUPPORT solutions.
- 3. A GEOTECHNICAL ENGINEER SHALL OBSERVE THE OPEN EXCAVATION TO DETERMINE THAT THE SOIL TYPE AND CONDITIONS ARE CONSISTENT WITH DESIGN CRITERIA OF THE SOIL REPORT. IF THE SOIL PROPERTIES ARE FOUND TO BE DIFFERENT FROM THIS CRITERIA THE OWNER'S REPRESENTATIVE SHALL BE PROMPTLY NOTIFIED SO THAT THE FOUNDATION DESIGN MAY BE REVIEWED. 4. NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN
- COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES. WHERE FOOTINGS ARE REQUIRED TO BE LOWERED MORE THAN 1 FOOT, NOTIFY THE ENGINEER OF RECORD. 5. TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE
- IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS. 6. WHERE ROCK OUTCROPPINGS ARE ENCOUNTERED IN ANY FOOTING EXCAVATION, UNDERCUT TO A DEPTH OF NOT LESS THAN 6 INCHES BELOW ELEVATION OF BOTTOM OF FOOTING AND BACKFILL WITH
- THOROUGHLY COMPACTED #10 FINES. 7. UNLESS OTHERWISE SHOWN, THE CENTERLINES OF ALL PIERS AND COLUMN FOOTINGS SHALL BE LOCATED ON COLUMN CENTERLINES.

CONCRETE NOTES

- 1. COMPLY WITH THE FOLLOWING CODES AND STANDARDS: 1. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- 2. ACI 305, ACI 306, ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". 3. ACI DETAILING MANUAL (ACI SP-66-04).
- 4. ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORM WORK".
- 5. CONCRETE REINFORCING STEEL INSTITUTE (CRSI), "MANUAL OF STANDARD PRACTICE". 6. ACI 304 "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE". 2. MATERIALS:
- 1. REINFORCING BARS ASTM A615, GRADE 60, DEFORMED 2. WELDED WIRE FABRIC (WWF) - ASTM A185, FLAT SHEETS.
- 3. PORTLAND CEMENT-ASTM C150, TYPE I OR TYPE II. 4. AGGREGATES-ASTM C33.
- 5. AIR ENTRAINING ADMIXTURE-ASTM C260, CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH OTHER REQUIRED ADMIXTURES. 6. PROHIBITED ADMIXTURES-CALCIUM CHLORIDE THYOCYANATES OR ADMIXTURES CONTAINING
- MORE THAN 0.1% CHLORIDE IONS ARE NOT PERMITTED. 3. CONTINUOUS REINFORCING IN WALLS AND SLABS MAY BE SPLICED, AS REQUIRED, PROVIDING BARS ARE OF THE LONGEST PRACTICABLE LENGTH AND SPLICES ARE SHOWN ON REINFORCING SHOP DRAWINGS. WHEREVER POSSIBLE, SPLICES SHALL BE STAGGERED. FIELD CUTTING OF REINFORCEMENT WILL NOT BE PERMITTED.
- 4. UNLESS OTHERWISE SHOWN, BARS AT WALL AND CONTINUOUS FOOTING CORNERS AND INTERSECTIONS SHALL BE DETAILED AS SHOWN ON FIGURE 15 OF ACI SP-66-04. CORNER BARS SHALL BE DETAILED AS SHOWN FOR OUTSIDE LOADED ONLY CORNERS. INTERSECTIONS SHALL BE DETAILED WITHOUT DIAGONAL BARS. ALL END HOOKS SHALL BE STANDARD 90 DEGREE END HOOKS AND CORNER BARS SHALL BE 48 BAR DIAMETERS X 48 BAR DIAMETERS MINIMUM UNLESS NOTED OTHERWISE.
- 5. PROVIDE DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED FOR ALL STRUCTURAL ELEMENTS, UNLESS OTHERWISE INDICATED. DOWELS MUST BE PLACED AND SECURED PRIOR TO CONCRETE PLACEMENT ("WET STICKING" REINFORCING NOT PERMITTED"). 6. MAJOR CONSTRUCTION JOINTS ARE SHOWN ON THE DRAWINGS. INTERMEDIATE JOINTS IN WALLS, SLABS, AND FLOOR FRAMING ARE NOT SHOWN. CONSTRUCTION JOINTS MAY BE ADDED, OMITTED
- OR RELOCATED IF PROPERLY DETAILED ON SHOP DRAWINGS AND APPROVED BY THE OWNER'S REPRESENTATIVE. 7. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS AND SUPPORTED FLOORS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE SHOWN. DO NOT CUT REINFORCEMENT. SEE TYPICAL REINFORCEMENT DETAILS
- FOR OPENINGS IN SLABS AND WALLS FOR ADDITIONAL REQUIREMENTS. 8. PLACING OF REINFORCEMENT: PROVIDE CHAIRS, BOLSTERS, ADDITIONAL REINFORCEMENT, AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITION SHOWN ON DRAWINGS. SUPPORT OF REINFORCEMENT ON FORM TIES, WOOD, BRICK, BRICKBAT OR OTHER UNACCEPTABLE MATERIAL, WILL NOT BE PERMITTED.
- 9. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF ALL EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECONCILE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS
- 10. IN SLABS-ON-GRADE, PROVIDE 2 #4X4' 0" DIAGONAL BARS IN THE MIDDLE OF THE SLAB AT EACH CORNER OF OPENINGS OVER 1'0" SQUARE AND AT RE-ENTRANT CORNERS. 11. PROVIDE CONTROL JOINTS IN CAST-IN-PLACE CONCRETE SLABS-ON-GRADE AT ____ FEET O.C. MAX. LOCATE CONTROL JOINTS TO FORM APPROXIMATE SQUARE PANELS WITH THE LENGTH OF ONE SIDE
- NOT EXCEEDING THE ADJACENT SIDE BY A FACTOR OF 1.5. CONTROL JOINTS MAY BE CONTRACTION JOINTS, CONSTRUCTION JOINTS, OR EXPANSION JOINTS, 12. WHERE CONSTRUCTION JOINTS ARE REQUIRED BUT ARE NOT INDICATED ON THE DRAWINGS, THEY SHALL BE LOCATED AT THE MID-SPAN OF BEAMS, SLABS AND WALLS AND SHALL BE SUBJECT TO
- REVIEW BY THE OWNER'S REPRESENTATIVE. UNLESS NOTED OTHERWISE OR SHOWN ON THE DRAWINGS, AT CONCRETE SLABS ON STEEL DECK, SUPPORTED BY STEEL BEAMS AND GIRDERS, CONSTRUCTION JOINTS SHALL BE PLACED AT MID-SPAN OF DECK AND MID-WAY BETWEEN GIRDERS 13. CHAMFER EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES 3/4-INCH, UNO.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHEN IT IS SAFE TO REMOVE FORMS AND/OR SHORING. FORMS AND SHORING MUST NOT BE REMOVED UNTIL THE CONCRETE IS STRONG ENOUGH TO CARRY ITS OWN WEIGHT AND ANY ANTICIPATED SUPERIMPOSED LOADS. WHEN FORMS ARE STRIPPED THERE MUST BE NO EXCESSIVE DEFLECTION, DISTORTION, DISCOLORATION, AND NO EVIDENCE OF DAMAGE TO THE CONCRETE.

MASONRY NOTES:

- 1. MASONRY WORK SHALL CONFORM TO THE LATEST 2. MATERIALS: A. CONCRETE MASONRY UNITS: HOLLOW OR SOL NORMAL WEIGHT AUTOCLAVED CURED, MOIS MAXIMUM ABSORPTION, AND SHRINKAGE SHA
- B. MORTAR: ASTM C270, TYPE S. NO MASONRY C C. $f'_m = 2,000 \text{ psi}$ D. REINFORCEMENT BARS: ASTM A615 GRADE 60. E. JOINT REINFORCEMENT: TRUSS TYPE WITH 0.148
- F. FINE GROUT: ASTM C476. 3. REINFORCING BARS IN MASONRY SHALL BE FULLY LAP SPLICED 48 BAR DIAMETERS, UNO. VERTICAL RE
- GRADE 60. 4. UNLESS OTHERWISE NOTED OR SHOWN, PROVIDE C ACCORDANCE WITH TYPICAL CMU LINTEL SCHEDU
- 5. UNLESS OTHERWISE SHOWN, PROVIDE SOLID MASC BLOCKS OR GROUT FILLED BLOCKS FOR BEARING L WITH THE FOLLOWING SCHEDULE: A. THREE COURSES UNDER STEEL BEAMS AND COL
- 6. ALL EXPOSED MORTAR JOINTS SHALL BE TOOLED. 7. CMU WALLS SHALL RECEIVE TEMPORARY BRACING UNTIL WALL IS PERMANENTLY BRACED BY THE ROC 8. PROTECT MASONRY WORK FROM DAMAGE DUE T RECOMMENDED BY NCMA. ALL UNITS SHALL BE LA
- HORIZONTAL AND VERTICAL FACE SHELLS. SOLID U JOINTS, 3/8" THICK. LAY IN FULL RUNNING BOND U 9. PLACE HORIZONTAL REINFORCING ON FULL MORT DRAWINGS. VERTICAL REINFORCING IN MASONRY
- FILLED CORES AND PROPERLY LOCATED AS INDICA DIAMETER. 10. USE LOW-LIFT GROUTING TECHNIQUES TO FILL COR
- PLACEMENT >4'0") IS APPROVED BY THE OWNER'S R 11. PROVIDE DOWELS TO MATCH REINFORCEMENT SIZ ELEMENTS, UNLESS OTHERWISE INDICTED. DOWELS
- CONCRETE PLACEMENT ("WET-STICKING" REINFORG

POST-INSTALLED ANCHOR NOTES:

POST INSTALLED ANCHORS HA	VE BEEN DESIGNED V
OF DESIGN. INSTALL ANCHORS	S PER THE MANUFACT
A. EXPANSION ANCHORS:	KWIK BOLT ((3 OR TZ
B. SLEEVE ANCHORS:	HLC SLEEVE ANCHO
C. ADHESIVE ANCHORS:	HIT HY-200
D. SCREEN TUBE ANCHORS:	HIT HY-270
CONTRACTOR MAY PROVIDE	EQUIVALENT ANCHC
EQUIVALENT SHEAR AND TENS	ION CAPACITIES AFTE
AND EDGE DISTANCES AT THE	DISCRETION OF THE C
ALL ADHESIVE ANCHORS FOR	REINFORCING SHALL

- 3. ALL ADHESIVE ANCHORS FOR REINFORCING SHALL 355.4 AND ICC-ES AC308 FOR CRACKED CONCRE
- 4. DESIGN ADHESIVE BOND STRENGTH FOR ADHESIVE 355.4, TEMPERATURE CATEGORY B WITH INSTALLAT
- DRILL BIT INTO CRACKED CONCRETE THAT HAS CU
- 5. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTAL ADHESIVE ANCHOR INSTALLER PER ACI 318 D.9.2.2. SHALL BE INSPECTED PER ACI 318 D.9.2.4.

METAL BUILDING SYSTEMS NOTES:

- 1. DESIGN, FABRICATION AND ERECTION OF THE PRE-SHALL BE SUFFICIENT TO WITHSTAND LOADS FROM MOVEMENT AND SEISMIC ACTION WITHOUT EXCEE ACCORDANCE WITH THE LATEST EDITION OF THE FO A. METAL BUILDING MANUFACTURERS ASSOCIATI (LATEST EDITION)
- B. AERICAN INSTITUTE OF STEEL CONSTRUCTION (BUILDINGS" AND STEEL DESIGN GUIDE SERIES 3: I OW-RISE BUILDINGS" LINO C. IRON AND STEEL INSTITUTE (AISI) "SPECIFICATIC
- STRUCTURAL MEMBERS" (LATEST EDITION) D. AMERICAN WELDING SOCIETY (AWS) "STRUCTI DEFORMATIONS OF THE PRE-ENGINEERED BUILDING RACKING OF FRAMES, AND HORIZONTAL AND OR
- CLADDING, OR OTHER SUPPORTED ELEMENTS), IS T FORTH IN AISC'S STEEL DESIGN GUIDE SERIES 3 "SERV RISE BUILDINGS" AND AS FOLLOWS: A. DRIFT OF MAIN FRAMES AT EAVE HEIGHT, UNO: B. DRIFT OF MAIN FRAMES WITH MASONRY/CON
- C. HORIZONTAL DEFLECTION OF GIRTS SUPPORTIN D. VERITCAL DEFLECTION OF MAIN FRAME: L/240 VERITCAL DEFLECTION OF PURLINS: L/240 (LIVE F. LATERAL MOVEMENT OF ELEMENTS SUPPORTIN
- G. HORIZONTAL DEFLECTION OF GIRTS SUPPORTIN 3. WIND AND SEISMIC FORCES USED FOR THE COMPL ON THE LATERAL LOAD DESIGN CRITERIA LISTED IN
- 4. CONTRACTOR IS TO ENGAGE AN EXPERIENCED INS BUILDING WHO IS EXPERIENCED IN THE ERECTION (FOR THIS PROJECT AND WHO IS CERTIFIED IN WRITI MANUFACTURER AS QUALIFIED FOR THE ERECTION
- 5. FABRICATE FRAMING COMPONENTS IN THE SHOP 1 SHOP WELD AND FIELD BOLT CONNECTIONS. 6. EXERCISE CARE IN DELIVERING, UNLOADING, STOR AND ROOF COVERING PANELS AND OTHER BUILDI WARPING, TWISTING AND SURFACE DAMAGE. 7. ERECT FRAMING TRUE TO LINE, LEVEL AND PLUMB.
- BEARING TO SUPPORTING STRUCTURE: USE A NON-AND TO MAINTAIN LEVEL BASE LINE ELEVATION. 8. PROVIDE LATERAL LOAD RESISTING SYSTEMS AS REC SEISMIC LOADS IN ROOF AND SIDE WALLS. WHERE
- BRACING, PROVIDE STRUCTURAL WIND FRAMES. PI VERTICAL ALLIGNEMENT OF WALL GIRTS. REFERENCE DRAWINGS FOR PERIMETER BRACING AND FRAME
- 9. PROVIDE FRAMED DOOR AND WINDOW OPENING ACCOMMODATE FINISHED UNITS AND TO TRASMIT 10. THE FOUNDATION AND ANCHOR ROD DESIGN ON THESE CONTRACT DRAWINGS IS PRELIMINARY AND BASED UPON ASSUMED COLUMNBASE REACTIONS CALCULATED BY A STRUCTURAL ENGINEER. THESE REACTIONS ARE INDICATED IN 'PEMB COLUMN BASE REACTIONS' SCHEDULE ON SHEET S-604. UPON FINAL BUILDING DESIGN, THE ACTUAL COLUMN BASE REACTIONS ARE TO BE COMPARED TO THE PRELIMINARY FOUNDATION AND ANCHOR ROD DESIGN PROVIDED IS VOID AND A REGISTERED PROFESSIONAL ENGINEER MUST BE EMPLOYED BY THE GENERAL CONTRACTOR TO COMPLETE A FOUNDATION DESIGN BASED UPON THE ACTUAL REACTIONS.
- A. COLUMN BASES ARE TO BE PINNED. FIXED BASES ARE NOT PERMITTED 11. DESIGN THE PRE-ENGINEERED METAL BUILDING TO PROVIDE LATERAL SUPPORT FOR THE TOP OF ALL MASONRY WALLS. LATERAL SUPPORT SHALL BE IN THE FORM OF A GIRT, SPANDREL BEAM OR OTHER APPROVED MEANS. THE TOP OF THE MASONRY WALLS SHALL BE BOLTED TO THE LATERAL SUPPORT.
- CONNECTIONS. 12. CONTRACTORS TO COORDINATE WITH THE PEMB MANUFACTURER AND SUBCONTRACTORS TO PROVIDE SUPPORT FOR ALL SUSPENDED EQUIPMENT, PIPING, DUCTWORK AND UTILITIES IDENTIFIED ON THE DRAWINGS OR OTHERWISE NOTED OR REQUIRED.

SPECIAL INSPECTION NOTES:

1. SPECIAL INSPECTIONS WILL BE PERFORMED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS. 2. OWNER, OR ARCHITECT/STRUCTURAL ENGINEER OF RECORD ACTING AS THE OWNER'S AGENT, SHALL DIRECTLY EMPLOY AND PAY FOR SERVICES OF THE SPECIAL INSPECTORS TO PERFORM REQUIRED SPECIAL INSPECTIONS.

	STRUCTUR,	AL DESIGN	CRITERIA							
DITIONS OF ACI 530 AND 530.1.	<u>BUILDING DA</u>	<u>TA:</u>			DESI	<u>ON CKIIEKIA</u>				
UNITS ASTM C90. ALL UNITS SHALL BE TYPE I,					LI	BERTY, NY				
BE LESS THAN 0.35% AS PER ASTM C426. IENT WILL BE ALLOWED.	BUILDING	APPLICABLE I	BUILDING CODE		2020 BUI NEW YOR	II LDING CODE OF K STATE (IBC 2018)			
CH DIAMETER	<u>GEOTECHNIC</u> A	<i>:<u>Al INFORMATI</u> LLOWABLE BEA</i>	<i>on:</i> Aring pressure		1500 F	PSF (ASSUMED)				
OUTED FOR THEIR ENTIRE LENGTH AND SHALL BE FORCEMENT SHALL CONFORM TO ASTM A615	<u>ROOF DEAD .</u>	OADING:								
u lintels over openings in CMU walls in			ROOF COLLATERAL	DLr CL		BY PEMB 10 PSF				
y block courses, consisting of solid er structural members in accordance	<u>ROOF LIVE LC</u>	DADING:	DOOL							
INS (2' 0'' EACH SIDE OF MEMBER)			ROOF	LLr		20 PSF				
	SNOW LOAD	<u>NG:</u>				1.0				
R FLOOR.		SNOW IMPOR	IANCE FACIOR	ls Pa		1.0 63 PSF				
THER WORK AND THE WEATHER AS VITH FULL MORTAR COVERAGE ON		SNOW EXF	POSURE FACTOR	Ce		1.0				
SHALL BE LAID WITH FULL HEAD AND BED		ROOF TH	ERMAL FACTOR	Ct		1.2				
SS INDICATED OTHERWISE. BED AT 16" OC MIN OR AS INDICATED ON IERE SHOWN SHALL BE PLACED IN GROUT		FLAT ROO	DF SNOW LOAD DRIFTING SNOW	Pī	BY P	49 PSF PEMB MANUF				
D. SPLICES SHALL BE MINIMUM 36 X BAR	<u>WIND LOADII</u>	<u>IG (MAIN WINI</u> ANIALY	<u>D FORCE RESISTII</u>	V <u>G SYS</u>	<u>STEM):</u>		:			
UNLESS HIGH-LIFT GROUTING (VERTICAL RESENTATIVE IN WRITING	ULTIMATE DE	ANALY SIGN WIND SPI	EED (3- SECOND	Vult						
		ט טואואי	GUST)	Vard		85 mph				
SI DE PLACED AND SECURED PRIOR IO G NOT PERMITED).		JUCIA VAIND 3P	GUST)	v usu						
					F					
	INT	ERNAL PRESSU	RE COEFFICIENT	GCpi	E +	0.18/-0.18				
TH HILTI ANCHORS (NOTED BELOW) AS THE BASIS RER'S PRINTED INSTALLATION INSTRUCTIONS.	<u>WIND LOADII</u> COMPC	<i>N<u>G (COMPONI</u> D</i> NENTS AND C	<u>ENTS AND CLADI</u> LADDING WIND PRESSURE:	<u>DING):</u>	BY F	EMB MANUF				
	SEISMIC LOAI	DING:								
WITH SIZE AND FINISH AS NOTED AND	MA	PPED SHORT PE		Ss		0.148g				
MODIFICATION DUE TO EMBEDMENT, SPACING NER'S REPRESENTATIVE	MA	RESPONS PPFD 1-SEC PF	e aceleration Riod spectral	S1		0.049a				
VE BEEN TESTED IN ACCORDANCE WITH ACI		RESPONS	E ACELERATION							
CHORS IN CONCRETE HAS BEEN BASED ON ACI	SH	ORT PERIOD DE RESPONS	ESIGN SPECTRAL E ACELERATION	Sds		0.158g				
IS INTO DRY HOLES DRILLED USING A CARBIDE	1-SEC PERIOI	design spec		Sd1		0.078g				
IONS SHALL BE INSTALLED BY A CERTIFIED			SOIL SITE CLASS		D	(DEFAULT)				
STALLATIONS REQUIRING CERTIFIED INSTALLERS		SEISMIC DES	IGN CATEGORY			В				
	SEIS	MIC FORCE RE	ESISTING SYSTEM	R	BY P BY P	'EMB MANUF 'EMB MANUF				
	DEFLEC	TION AMPLIFIC	CATION FACTOR	Cd	BY P	EMB MANUF				
GINEERED METAL BUILDING (PEMB) SYSTEM	SE	ISMIC RESPON		Cs	BY P	EMB MANUF				
ERMAL, WIND, GRAVITY, STRUCTURAL			313 T KOCLDUKL		LQUIV	FORCE				
NG ALLOWABLE STRESSES AND SHALL BE IN OWING:		DESI	GN BASE SHEAR	V	BY P	EMB MANUF				
(MBMA) "METAL BUILDING SYSTEM MANUAL"	FOOTING SC	HEDULE								
C) "SPECIFICATIONS FOR STRUCTURAL STEEL	MARK	FOOTING [DIMENSIONS		BOTTO	M REINFORCING		TOP	R	EMARKS
RVICABILITY DESIGN CONSIDERATIONS FOR	F5 0	LENGTH W	IDTH DEPTH	LC	NGITUDINA	AL TRANS	/ERSE	LEINFORCIN		_
OR THE DESIGN OF COLD FORMED STEEL	F6.0	6' - 0'' 6	- 0" 1' - 0"		(7) #5 BARS	(7) #5	BARS	-		-
L WELDING CODE STEEL AWS D1.1/D1.1M"	F8.0	8' - 0'' 8	- 0'' 1' - 0''	((9) #5 BARS	(9) #5	BARS	_		-
NCLUDING BUT NOT LIMITED TO LATERAL DRIFT, TICAL DEFLECTION OF STRUCTURAL FLEMENTS	WALL FOOTI	<u>NG SCHED</u>	<u>ULE</u>							
E LIMITED BY THE RECOMMENDATIONS SET	MARK	FOOTING DI	MENSIONS		FOOTING I	REINFORCING	R	emarks		
ADILITY DESIGN CONSIDERATIONS FOR LOW-	WF2.5	WIDTH 2' - 6''	DEPTH 1' - 0''	LONG (3) ‡	HTUDINAL	TRANSVER #5 BARS @ 12	SE K	-	-	
THE A MALE LINE SHE AND A REPORT OF THE REPORT		JLF								
te exterior walls: H/240 METAL SIDING: L/120		PIER DI	MENSIONS				ORCING			DEVIVORS
THE EXTERIOR WALLS: H/240 METAL SIDING: L/120 /E) & L/180 (TOTAL)	TVDE	DEPTH	WIDTH	V	ERTICAL		TIES			
THE EXTERIOR WALLS: H/240 METAL SIDING: L/120 /E) & L/180 (TOTAL) L/180 (TOTAL) PRYWALL PARTITIONS (H=PARTITION HT) H/500	TYPE		1 Z ² - U ²	1 (16	DJ #O BARS	#4 TIES (TOP 2 @	2 3 0C, REA 2 3'' OC, REA	/IANER @ 12	∠ OC) S 2"OC) S	SEE PIER DETAIL
THE EXTERTOR WALLS: H/240 METAL SIDING: L/120 /E) & L/180 (TOTAL) L/180 (TOTAL) DRYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BF BASED	TYPE P2.0 P3.1	2' - 0'' 2' - 6''	2' - 6''	(16	6) #8 BARS		,		· · · ·	=
TE EXTERIOR WALLS: H/240 METAL SIDING: L/120 (E) & L/180 (TOTAL) L/180 (TOTAL) RYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BE BASED DESIGN CRITERIA ON SHEET S-002.	TYPE P2.0 P3.1 P3.2	2' - 0'' 2' - 6'' 3' - 0''	2' - 6" 2' - 6"	(16	6) #8 BARS 3) #8 BARS	#4 TIES (TOP 2 @	2 3'' OC, REM	AIANER @ 1	2" OC) {	SEE PIER DETAIL
THE EXTERTOR WALLS: H/240 METAL SIDING: L/120 (E) & L/180 (TOTAL) L/180 (TOTAL) MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BE BASED DESIGN CRITERIA ON SHEET S-002. LLER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED	TYPE P2.0 P3.1 P3.2	2' - 0'' 2' - 6'' 3' - 0''	2' - 6" 2' - 6"	(16	3) #8 BARS	#4 TIES (TOP 2 @	9 3'' OC, REM	AIANER @ 13	<u>2" OC) </u>	SEE PIER DETAIL
THE EXTERIOR WALLS: H/240 METAL SIDING: L/120 (E) & L/180 (TOTAL) L/180 (TOTAL) MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BE BASED DESIGN CRITERIA ON SHEET S-002. LER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED BY THE METAL BUILDING SYSTEM THE MANUEACTUREP'S PRODUCTS	TYPE P2.0 P3.1 P3.2	2' - 0'' 2' - 6'' 3' - 0'' N WALL SC	2' - 6" 2' - 6" HEDULE	(16	3) #8 BARS 3) #8 BARS	#4 TIES (TOP 2 @	3" OC, REM	MIANER @ 1	<u>2" OC) :</u>	SEE PIER DETAIL
THE MANUFACTURER'S PRODUCTS. THE MANUFACTURER'S PRODUCTS. THE MANUFACTURER'S PRODUCTS. THE MEAN AND A CONTRACT OF THE MANUFACTURE AND A CONTRACT OF A CON	TYPE P2.0 P3.1 P3.2 FOUNDATIO MARK	2' - 0'' 2' - 6'' 3' - 0'' N WALL SC	2' - 6" 2' - 6" HEDULE YPE	(16) (18) (18) (18) (18) (18) (18) (18) (18	5) #8 BARS 3) #8 BARS	#4 TIES (TOP 2 @ WA			<u>2" OC) </u>	REMARKS
THE EXTERIOR WALLS: H/240 METAL SIDING: L/120 /E) & L/180 (TOTAL) L/180 (TOTAL) DRYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BE BASED E DESIGN CRITERIA ON SHEET S-002. LLER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED BY THE METAL BUILDING SYSTEM THE MANUFACTURER'S PRODUCTS. THE GREATEST EXTENT POSSIBLE. IN GENERAL, G AND ERECTING BUILDING MEMBERS, WALL COMPONENTS TO PREVENT BENDING.	TYPE P2.0 P3.1 P3.2 FOUNDATIO MARK CW18 CW19.5	2' - 0'' 2' - 6'' 3' - 0'' <u>N WALL SC</u> T CONC FOUR CONC FOUR	2' - 6" 2' - 6" <u>HEDULE</u> YPE NDATION WALL	(16) (18) (18) (18) (18) (18) (18) (18) (18	5) #8 BARS 3) #8 BARS IICKNESS 1' - 6'' ' - 7 1/2''	#4 TIES (TOP 2 @ #4 TIES (TOP 2 @ HORIZONTA #5 BARS @ 12'' O #5 BARS @ 12'' O	2 3" OC, REN LL REINFORG L C, EF #5 B C, EF #5 B	CING VERTICAL ARS @ 12'' (ARS @ 12'' (2" OC) (REMARKS SEE SECTION SEE SECTION
EIE EXTERIOR WALLS: H/240 METAL SIDING: L/120 VE) & L/180 (TOTAL) L/180 (TOTAL) DRYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BE BASED E DESIGN CRITERIA ON SHEET S-002. LLER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED BY THE METAL BUILDING SYSTEM THE MANUFACTURER'S PRODUCTS. THE GREATEST EXTENT POSSIBLE. IN GENERAL, G AND ERECTING BUILDING MEMBERS, WALL COMPONENTS TO PREVENT BENDING,	TYPE P2.0 P3.1 P3.2 FOUNDATIO MARK CW18 CW19.5	2' - 0" 2' - 6" 3' - 0" <u>N WALL SC</u> T CONC FOUR CONC FOUR	2' - 6" 2' - 6" HEDULE YPE NDATION WALL NDATION WALL	(16) (18) TH	5) #8 BARS 3) #8 BARS IICKNESS 1' - 6'' ' - 7 1/2''	#4 TIES (TOP 2 @ #4 TIES (TOP 2 @ HORIZONTA #5 BARS @ 12" O #5 BARS @ 12" O	2 3" OC, REN LL REINFORG L C, EF #5 B C, EF #5 B	CING VERTICAL ARS @ 12" (ARS @ 12" (2" OC) (REMARKS SEE SECTION SEE SECTION
EIE EXTERIOR WALLS: H/240 METAL SIDING: L/120 VE) & L/180 (TOTAL) L/180 (TOTAL) DRYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 TION OF MEMBER STRESSES ARE TO BE BASED E DESIGN CRITERIA ON SHEET S-002. LLER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED BY THE METAL BUILDING SYSTEM THE MANUFACTURER'S PRODUCTS. THE GREATEST EXTENT POSSIBLE. IN GENERAL, G AND ERECTING BUILDING MEMBERS, WALL COMPONENTS TO PREVENT BENDING, VEL BASE PLATES TO A TRUE PLANE WITH FULL RINKING GROUT TO OBTAIN UNIFORM BEARING	TYPE P2.0 P3.1 P3.2 FOUNDATIO MARK CW18 CW19.5 SLAB-ON-G MARK	2' - 0" 2' - 6" 3' - 0" <u>N WALL SC</u> T CONC FOUN CONC FOUN RADE SCHE TYPE	2' - 6" 2' - 6" <u>HEDULE</u> YPE VDATION WALL <u>DULE</u> THICKI	(16 (16 (18 TH	5) #8 BARS 3) #8 BARS IICKNESS 1' - 6'' ' - 7 1/2'' SLAB F	#4 TIES (TOP 2 @ HORIZONTA #5 BARS @ 12" O #5 BARS @ 12" O REINFORCING	2 3" OC, REN LL REINFORG L C, EF #5 B C, EF #5 B C, EF #5 B	CING VERTICAL ARS @ 12" (ARS @ 12" (KS	2" OC) (REMARKS SEE SECTION SEE SECTION
THE EXTENDOR WALLS: H/240 METAL SIDING: L/120 VE) & L/180 (TOTAL) & L/180 (TOTAL) DRYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 ATION OF MEMBER STRESSES ARE TO BE BASED E DESIGN CRITERIA ON SHEET S-002. ALLER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED 3 BY THE METAL BUILDING SYSTEM F THE MANUFACTURER'S PRODUCTS. THE GREATEST EXTENT POSSIBLE. IN GENERAL, G AND ERECTING BUILDING MEMBERS, WALL 3 COMPONENTS TO PREVENT BENDING, VEL BASE PLATES TO A TRUE PLANE WITH FULL RINKING GROUT TO OBTAIN UNIFORM BEARING IRED TO RESIST THE INDICATED WIND AND	TYPE P2.0 P3.1 P3.2 FOUNDATIO MARK CW18 CW19.5 SLAB-ON-G MARK SOG1	2' - 0" 2' - 6" 3' - 0" <u>N WALL SC</u> T CONC FOUN CONC FOUN CONC FOUN RADE SCHE TYPE INTERIOR SC	2' - 6" 2' - 6" <u>HEDULE</u> YPE VDATION WALL VDATION WALL <u>DULE</u> THICKI DG 6"	(16 (18 TH	5) #8 BARS 3) #8 BARS IICKNESS 1' - 6'' ' - 7 1/2'' SLAB F 6X6 - W	#4 TIES (TOP 2 @ #4 TIES (TOP 2 @ HORIZONTA #5 BARS @ 12" O #5 BARS @ 12" O REINFORCING '2.9XW2.9 WWF	2 3" OC, REN LL REINFORG L C, EF #5 B C, EF #5 B REMAR -	CING VERTICAL ARS @ 12" (ARS @ 12" (KS	2" OC) (REMARKS SEE SECTION SEE SECTION
ETE EXTENDOR WALLS: H/240 METAL SIDING: L/120 VE) & L/180 (TOTAL) (L/180 (TOTAL) DRYWALL PARTITIONS (H=PARTITION HT) H/500 MASONRY WALLS: L/600 ATION OF MEMBER STRESSES ARE TO BE BASED E DESIGN CRITERIA ON SHEET S-002. LLER TO ERECT THE PRE-ENGINEERED METAL METAL BUILDINGS SIMILAR TO THAT REQUIRED 3 BY THE METAL BUILDING SYSTEM F THE MANUFACTURER'S PRODUCTS. THE GREATEST EXTENT POSSIBLE. IN GENERAL, G AND ERECTING BUILDING MEMBERS, WALL 3 COMPONENTS TO PREVENT BENDING, VEL BASE PLATES TO A TRUE PLANE WITH FULL RINKING GROUT TO OBTAIN UNIFORM BEARING IRED TO RESIST THE INDICATED WIND AND /ERHEAD DOORS INTERFERE WITH DIAGANOL VIDE SAG PODS AS DECIVIDED TO MAINTAIN	TYPE P2.0 P3.1 P3.2 FOUNDATIO MARK CW18 CW19.5 SLAB-ON-G MARK SOG1 SOG2	2' - 0" 2' - 6" 3' - 0" <u>N WALL SC</u> T CONC FOUN CONC FOUN <u>CONC FOUN</u> <u>RADE SCHE</u> TYPE INTERIOR SO EXTERIOR SO	2' - 6" 2' - 6" HEDULE YPE NDATION WALL NDATION WALL DULE THICKI DG 8"	(16 (16 (18 TH	5) #8 BARS 3) #8 BARS IICKNESS 1' - 6'' ' - 7 1/2'' SLAB F 6X6 - W #4 BAR	#4 TIES (TOP 2 @ #4 TIES (TOP 2 @ HORIZONTA #5 BARS @ 12" O #5 BARS @ 12" O REINFORCING '2.9XW2.9 WWF S @ 12" OC, EW	2 3" OC, REN LL REINFORG L C, EF #5 B C, EF #5 B REMAR - -	CING VERTICAL ARS @ 12" (ARS @ 12" (KS	2" OC) { 	REMARKS SEE SECTION SEE SECTION

THE LATERAL SUPPOR SHALL BE CLIPPED TO THE MAIN FRAME COLUMNS WITH VERTICALLY SLOTTED

TOP OF PIER (+0'-0'') - F1554 GR 36, WITH DOUBLE NUT END, SEE PIER DETAIL \mathbf{h} FOR SIZE.

CONCRETE REINE SPLICE & DEVELOPMENT LENGTHS SCHEDULE

			AP SPLIC	CELENG	STHS (IN)		PMENT I ENG	GTHS (IN.)		
	BAR SIZE	TEN	ISION LA	AP LENG	лно (н ТН						
		TOP I	BARS	OTH	HER	СОМР.	TENSION	COMP.	HOOKED		
	CLASS	А	В	А	В						
	#3	19	24	15	19	12		8	8		
	#4	25	33	19	25	15		10	10		
	#5	31	41	24	31	19	S A LICE	12	12		
	#6	37	49	29	37	23	CLAS	15	15		
	#7	54	71	42	54	27	AS C I LA	17	17		
psi	#8	62	81	48	62	30	ME	19	19		
8	#9	70	91	54	70	34	SAI	22	22		
= 4	#10	79	102	61	79	39		25	25		
to_	#11	87	113	67	87	43		27	27		
		L	AP SPLIC	CE LENG	sths (in.)	DEVELOP	23 23 27 27 AENT LENGTHS (IN.) COMP. HOOKED 8			
	BAR SIZE	TEN	ISION LA	AP LENG	TH	-					
			BARS		HER	COMP.	TENSION	COMP.	HOOKED		
	CLASS	A	В	A	В	10					
	#3	18	23	14	18	12		8	/		
	#4	24	31	18	24	15	Щ	9	9		
	#5	30	38	23	30	19	SS A PLIC	12	12		
	#6	35	46	27	35	23	CLA.	14	14		
	#7	51	67	40	51	27	AS AS	16	16		
psi	#8	59	76	45	59	30	NON	18	18		
,500	#9	66	86	51	66	34	SA	21	21		
4	#10	74	96	57	74	39		23	23		
Ū_	#11	82	107	64	82	43		26	26		
		LAP SPLICE LENGTHS (IN.))	DEVELOP	MENT LENG	gths (in.)		
	BAR SIZE	TENSION LAP LENGTH				-					
	CLASS	A IOP I	BARS B	A OIF	HER B	COMP.	tension	COMP.	HOOKED		
	#3	17	22	13	17	12		8	7		
	#4	23	29	17	23	15		9	9		
	#5	28	36	22	28	19	ICE A	12	12		
	#6	34	43	26	34	23	sPL	14	13		
	#7	49	63	38	49	27	LAF LAF	16	15		
osi	#8	56	72	43	56	30	VE ∕A	18	17		
8	#9	63	81	48	63	34	SAN	21	20		
= 5,(#10	70	92	54	70	39		23	22		
<u>1</u>	#11	78	102	60	78	43		26	24		
NC	DTES:	I	1	I	1	1	1		1		
$\left \frac{1}{1.} \right $	 TOP BARS ARE HORIZONTAL BARS, PLACED SO THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS PLACED BELOW THE BAR. 										

2. ALL LAP SPLICES SHALL BE CLASS "B" UNLESS OTHERWISE NOTED. 3. LENGTHS IN THE TABLE ARE FOR UNCOATED OR ZINC-COATED (GALVANIZED)

BARS 4. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2Db AND CLEAR COVER NOT LESS THAN Db.

VALUES IN TABLE ARE FOR NORMAL WEIGHT CONCRETE. 6. SPACING REQUIREMENTS AND END ANCHORAGE SHALL BE SPACED PER THE REQUIREMENTS OF ACI-318.

REINFORCED CONCRETE COVER SCHEDULE

	MIN COVER (IN)		
CAST AGAINST E	3"		
	#5 BAI	rs and smaller, wwf	1-1/2"
WEATHER	#6 BAI	rs and larger	2"
	SS &	#11 BARS AND SMALLER, WWF	3/4"
TO EARTH OR	SLAF	#14 BARS AND LARGER	1-1/2"
	BEAMS	S AND COLUMNS	1-1/2"

CONCRETE STRENGTH AND MATERIAL SCHEDULE

STRUCTURAL ELEMENT	MIN COMPRESSIVE STRENGTH AT 28 DAYS (PSI)	MAX WATER/CEMENT RATIO	AIR CONTENT (%)
FOOTINGS, SOG	4,000	0.50	N/A
PIERS, FDN WALLS	4,500	0.45	6 +/- 1.5%
EXT CONC APRON	5,000	0.40	6 +/- 1.5%
	•		·

PREPARE DESIGN MIXES FOR EACH TYPE, AND STRENGTH OF CONCRETE BY EITHER LABORATORY TRIAL BATCH OR FIELD EXPERIENCE METHODS AS SPECIFIED IN ACI 318. CONCRETE SHALL BE READY MIXED PER ASTM C94. JOBSITE MIXING SHALL NOT BE PERMITTED. 3. MAXIMUM NOMINAL AGGREGATE SIZE IS 3/4". 4. SEE REINFORCED CONCRETE NOTES ON S-001 FOR ADDTIONAL REQUIREMENTS. 5. ENSURE ENTRAPPED AIR IN SLAB CONCRETE TO BE TROWEL FINISHED DOES NOT EXCEED 3%.

6. DO NOT HARD-TROWEL SLABS THAT ARE TO BE AIR-ENTRAINED. COORDINATE SLAB FINISH WITH ARCHITECTURAL AND/OR OWNER REQUIREMENTS. CARE SHALL BE TAKEN FOR FINISHING SLABS WITH AIR-ENTRAINMENT.

ES	
ANCHOR ROD SIZES SHOWN ARE MINIMUM	
OR CONCRETE FOOTING DESIGN.	
NCHOR ROD DIAMETER SHALL BE	
NCREASED IF REQUIRED BY PEMB	
ANUFACTURER.	

NOT

RIGID FRAME LINES B, C, & D						
COLUMN	H (k)	H2 (k)	-V (k)	+V (k)		
1	+/- 10	N/A	23	6		
3	+/- 10	N/A	23	6		

RIGID FRAME LINE A & E						
COLUMN	H (k)	H2 (k)	-V (k)	+V (k)		
1	+/- 5	N/A	11	3		
2	N/A	N/A	24	5		
3	+/- 5	N/A	11	3		

PRE-ENGINEERED METAL BUILDING FOUNDATION DESIGN LOADS

1. FOOTINGS, GRADE BEAMS, AND ANCHOR RODS ARE DESIGNED FOR THE COLUMN REACTIONS AS SHOWN. THE REACTIONS SHOWN ARE THE GOVERNING ASD LOAD COMBINATION REACTIONS PROVIDED.

2. POSITIVE VERTICAL REACTIONS REPRESENT A UPWARD FORCE FROM THE COLUMN (UPLIFT). NEGATIVE VERTICAL REACTIONS REPRESENT AN DOWNWARD FORCE FROM THE COLUMN. REACTIONS LABELED "H" ARE PARALLEL WITH THE FRAME. "H2" REACTIONS ARE PERPENDICULAR TO THE FRAME.

ABUY ABUYE ACI AMERICAN CONCRETE INSTITUTE ADDL ADDITIONAL AFF ABOVE FINISH FLOOR AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALT ALT ALTERNATE APPROX ARCHITECT/ARCHITECTURAL ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS AMS AMERICAN WELDING SOCIETY BD BOARD BEE BASE FLOOD ELEVATION BLKG BLOCKING BO BOTTOM BR BASE FLOOD ELEVATION BLKG BLOCKING BO BOTTOM BR BASHING BTWN BETWEEN C/C CENTER TO CENTER C/FMF COLD FORMED METAL FRAMING CIP CASTINAPLACE CJ CONTROLIONINT CJP CONTROLIONINT CIP CONTROLIONINT CIR CENTER INCE CONN CONSTRUCTION JOINT CON CONTROLIONINT CON CONTROLIONINT CON CONTROLIONINT CON CONTROLION CON CONTROLIONINT DEG DEGREE[S]		
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HS HIGH STRENGTH HSS HOLLOW STRUCTURAL SECTION(STRUC SHAPE) HT HEIGHT IF INSIDE FACE INFO INFORMATION	DTL DWG(S) DWL (E) EA EF EJ ELEV EMBED EOD EOS EQ EW EXIST EXP EXT FD FFE FIN FFE FIN FFE FIN FRMG FS FS FTG GA GALV GC HD HK HORIZ	DETAIL DRAWING(S) DOWEL(REBAR) EXISTNG EACH EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE OF DECK EDGE OF SLAB EQUAL EACH WAY EXISTING EXPAN(D)(SION) EXTERIOR FLOOR DRAIN FINISHED FLOOR ELEVATION FINISHED FOUNDATION FIREPROOF(ING) FRAMING FAR SIDE FOOTING STEP FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR/CONSRTUCTION MANAGER HEAVY DUTY HOOK
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SHAPE) HT HEIGHT IF INSIDE FACE INFO INFORMATION	DTL DWG(S) DWL (E) EA EF EJ ELEV EMBED EOD EOS EQ EW EXIST EXP EXT FD FFE FIN FNDN FP FRMG FS FS FTG GA GALV GC HD HK HORIZ HP	DETAIL DRAWING(S) DOWEL(REBAR) EXISTNG EACH EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE OF DECK EDGE OF DECK EDGE OF SLAB EQUAL EACH WAY EXISTING EXPAN(D)(SION) EXTERIOR FLOOR DRAIN FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FINISHED FOUNDATION FIREPROOF(ING) FRAMING FAR SIDE FOOTING STEP FOOTING STEP FOOTING STEP FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR/CONSRTUCTION MANAGER HEAVY DUTY HOOK HORIZONTAL HIGH POINT
HI HEIGHT IF INSIDE FACE INFO INFORMATION	DTL DWG(S) DWL (E) EA EF EJ ELEV EMBED EOD EOS EQ EW EXIST EXP EXIST FD FFE FIN FNDN FP FRMG FS FS FTG GA GALV GC HD HK HORIZ HP HS HSS	DETAIL DRAWING(S) DOWEL(REBAR) EXISTNG EACH EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE OF DECK EDGE OF SLAB EQUAL EACH WAY EXISTING EXPAN(D)(SION) EXTERIOR FLOOR DRAIN FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FINISHED FOUNDATION FIREPROOF(ING) FRAMING FAR SIDE FOOTING STEP FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR/CONSRTUCTION MANAGER HEAVY DUTY HOOK HORIZONTAL HIGH POINT HIGH STRENGTH
IF INSIDE FACE INFO INFORMATION	DTL DWG(S) DWL (E) EA EF EJ ELEV EMBED EOD EOS EQ EW EXIST EXP EXT FD FFE FIN FFE FIN FFE FS FTG GA GALV GC HD HK HORIZ HP HS HSS	DETAIL DRAWING(S) DOWEL(REBAR) EXISTNG EACH EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE OF DECK EDGE OF SLAB EQUAL EACH WAY EXISTING EXPAN(D)(SION) EXTERIOR FLOOR DRAIN FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FINISHED FOUNDATION FIREPROOF(ING) FRAMING FAR SIDE FOOTING STEP FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR/CONSRTUCTION MANAGER HEAVY DUTY HOOK HORIZONTAL HIGH POINT HIGH STRENGTH HOLLOW STRUCTURAL SECTION(STRUC SHAPE)
INFO INFORMATION	DTL DWG(S) DWL (E) EA EF EJ ELEV EMBED EOD EOS EQ EW EXIST EXP EXT FD FFE FIN FFE FIN FFE FS FS FTG GA GALV GC HD HK HORIZ HP HS HSS	DETAIL DRAWING(S) DOWEL(REBAR) EXISTNG EACH EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE OF DECK EDGE OF SLAB EQUAL EACH WAY EXISTING EXPAN(D)(SION) EXTERIOR FLOOR DRAIN FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FINISHED FOUNDATION FIREPROOF(ING) FRAMING FAR SIDE FOOTING STEP FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR/CONSRTUCTION MANAGER HEAVY DUTY HOOK HORIZONTAL HIGH POINT HIGH STRENGTH HOLLOW STRUCTURAL SECTION(STRUC SHAPE) HEIGHT
	DTL DWG(S) DWL (E) EA EF EJ ELEV EMBED EOD EOS EQ EW EXIST EXP EXT FD FFE FIN FNDN FP FRMG FS FS FS FTG GA GALV GC HD HK HORIZ HP HS HSS HT IF	DETAIL DRAWING(S) DOWEL(REBAR) EXISTNG EACH EACH EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE OF DECK EDGE OF SLAB EQUAL EACH WAY EXISTING EXPAN(D)(SION) EXTERIOR FLOOR DRAIN FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FIREPROOF(ING) FRAMING FAR SIDE FOOTING STEP FOOTING STEP FOOTING STEP FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR/CONSRTUCTION MANAGER HEAVY DUTY HOOK HORIZONTAL HIGH POINT HIGH STRENGTH HOLLOW STRUCTURAL SECTION(STRUC SHAPE) HEIGHT INSIDE FACE

UL MD	INSULATION INTERMEDIATE
	JOINT
:	KIP (1000 POUNDS) KIPS PER LINEAR FOOT
	KIPS PER SQUARE INCH
LBS	POUNDS
	LIVE LOAD
	LONG LEG HORIZONTAL
2	LOCATION(S)
	LOW POINT
	LIGHTWEIGHT
NUF	MANUFACTURER
X	MAXIMUM
CH	MECHANICAL
4	MINIMUM
С	MISCELLANEOUS
	METAL NEW
	NEAR SIDE
	NOT TO SCALE
	OUTSIDE DIAMETER/DIMENSION
N'G	OPENING(S) OPPOSITE
	PIER (SEE SCHEDULE)
C	
- 1B	PRE-ENGINEERED METAL BUILDING
F	PERFORATE(D)
IM	PERIMETER PLATE
	POUNDS PER LINEAR FOOT
FAB	PREFABRICATED
	POUNDS PER SQUARE FOOT
	POUNDS PER SQUARE INCH
/	POST TENSION(FD)(ING)
	RADIUS,RADII
	REINFORCED CONCRETE
١F	ROOF DRAIN REINFORCING, REINFORCEMENT
Q('D)	REQUIRE(D)
/	REVIS(E)(ED)(ION)
HED	SCHEDULE
	STEEL DECK INSTITUTE
G	SHEET
-	SIMILAR
2	SNOW LOAD
ر د	SPACE OR SPACING
rI)	SQUARE FOOT/FEET
F	STIFFENER
	TOP&BOTTOM
	TOP OF BEAM ELEVATION
P	TOP OF DECK ELEVATION
	TOP OF FOOTING ELEVATION
D	
	TOP OF LEDGE ELEVATION
	TOP OF MASONRY ELEVATION
;	TOPPING
)	TREATED
	TOP OF SLAB FI FVATION
	TOP OF WALL ELEVATION
י ד	VERTICAL
	VERIFY IN FIELD
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ر 	WIDE FLANGE
HT	WEIGHT
	WORK POINT
	TO THE OTHER TERMINAL TERMINAL SUMEED

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EARTHWORK - REQUIREMENTS FOR SPECIA	. INSPECTION & TEST	ING		COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION - REC	QUIREMENTS FOR SPE	ECIAL INSPECTION &	TESTING	STEEL CONSTRUCTION - REQUIREMENTS FO	R SPECIAL INSPECTION	ON & TESTING
AREAS OF INSPECTION & TESTING	FREQUENCY OF	REFERENCE	IBC	AREAS OF INSPECTION & TESTING	FREQUENCY OF	REFERENCE	IBC	AREAS OF INSPECTION & TESTING	FREQUENCY OF	REFERENCE
	TESTING	STANDARD	REFERENCE		TESTING	STANDARD	REFERENCE		TESTING	
DEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	-	1705.6	FORCE-RESISTING SYSTEM AND FOR SCREW ATTACHMENT,	FOR SEISMIC	1705.12.3		PROGRAM:		CERTIFICATION
RIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH	PERIODIC			BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING SHEAR	CATEGORY C, D, E OR F.		-	CONTROL PROGRAM.		PROGRAM
RFORM CLASSIFICATION AND TESTING OF	PERIODIC	-		WALLS, BRACES, DIAPHRAGMS, COLLECTORS AND HOLD- DOWNS.				 B. SPECIAL INSPECTIONS REQUIRED IN FABRICATOR'S SHOP FOR ELEMENTS IDENTIFIED BELOW. 	FABRICATOR IS	
IMPACTED FILL MATERIALS RIFY USE OF PROPER MATERIALS, DENSITIES,		-		2. MATERIAL VERIFICATION OF COLD-FORMED STEEL	PERIODIC	AISI TABLE D6.5			AISC CERTIFIED	
ND LIFT THICKNESS DURING PLACEMENT				a. PRODUCT IDENTIFICATION TO CONFORM TO AISI			-	2. INSPECTION TASKS FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS PRIOR TO BOLTING:		N5.6-1
	PERIODIC	-		STANDARDS AND AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR APPROVED SHOP DRAWINGS.				A. VERIFY MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.	CONTINUOUS	
E HAS BEEN PREPARED PROPERLY.				3. INSPECTION OF WELDING	PERIODIC	AISI TABLE D6.6		B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	PERIODIC	
CAST-IN-PLACE CONCRETE - REQUIREMENTS		CTION & TESTING		PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE			-	C. PROPER FASTENERS SELECTED FOR JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM	PERIODIC	
AREAS OF INSPECTION & TESTING	INSPECTION OR	REFERENCE STANDARD	IBC REFERENCE	APPROVED SHOP DRAWINGS.				SHEAR PLANE)	PERIODIC	
SPECT REINFORCEMENT, INCLUDING PRESTRESSING	PERIODIC	ACI 318 CH. 20,	1908.4	4. INSPECTION OF MECHANICAL FASTENING	PERIODIC	AISI TABLE D6.7		E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE	PERIODIC	
NDONS, AND VERIFY PLACEMENT.		25.2, 25.3, 26.6.1 - 26.6.3		MATERIALS, PROCEDURES, AND WORKMANSHIP ARE IN			-	SPECIFIED, MEET APPLICABLE REQUIREMENTS.		
INFORCING BAR WELDING:				INSTRUCTIONS AND THE CONSTRUCTION DOCUMENTS OR				F. PRE-INSTALLATION VERIFICATION AND TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED	PERIODIC	
TM A706;	FLRIODIC	ACI 318: 26.6.4	-	APPROVED SHOP DRAWINGS. 5. INSPECTION OF COLD-FORMED STEEL LIGHT-FRAME	PERIODIC	AISI TABLE D6.8		FOR FASTENER ASSEMBLIES AND METHODS USED. G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS,	PERIODIC	
NSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND INSPECT ALL OTHER WELDS.	CONTINUOUS			CONSTRUCTION VERIFICATION OF FIELD INSTALLED MEMBERS,				AND OTHER FASTENERS.		
PECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 318:17.8.2	-	CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS OR			-	3. INSPECTION TASKS FOR HIGH-STRENGTH BOLTS, NUTS AND WASHERS DURING BOLTING:		AISC 360, TABLE N5.6-2
PECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE				APPROVED SHOP DRAWINGS.				A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED	PERIODIC	
ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR WARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED	CONTINUOUS	ACI 318: 17.8.2.4	-							
	PERIODIO	۵ (۱ 312.17 0 0								
	PERIODIC	ACI 318: CH. 19,	1904.1, 1904.2,					C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	PERIODIC	
OR TO CONCRETE PLACEMENT. FARRICATE SPECIMENS	CONTINUOUS	26.4.3, 26.4.4 ASTM C172	1908.2, 1908.3	-				D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY	PERIODIC	
R STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT		ASTM C31	1908.10					FROM THE POST RIGID POINT TOWARD THE FREE EDGES.		
PECT CONCRETE AND SHOTCRETE PLACEMENT FOR	CONTINUOUS	ACI 318: 26.5	1908.6,	-				WASHERS AFTER BOLTING:		N5.6-3
DPER APPLICATION TECHNIQUES. RIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE	PERIODIC	ACI 318:	1908.7, 1908.8					A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	CONTINUOUS	
D TECHNIQUES.		26.5.3 - 26.5.5	1908.9	-				5. INSPECTION TASKS PRIOR TO WELDING:		AISC 360, TABLE
PECT PRESTRESSED CONCRETE FOR: APPLICATION OF PRESTRESSING FORCES; AND	CONTINUOUS	ACI 318: 26.10	-					A. WELDING PROCEDURE SPECIFICATIONS (WPSS) ARE AVAILABLE	CONTINUOUS	N5.4-1
ROUTING OF BONDED PRESTRESSING TENDONS. PECT ERECTION OF PRECAST CONCRETE MEMBERS.	CONTINUOUS PERIODIC	ACI 318: CH. 26.8						B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES ARE AVAILABLE	CONTINUOUS	
RIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF	PERIODIC	ACI 318: 26.11.2						C. MATERIAL IDENTIFICATION (TYPE/GRADE) D. WELDER IDENTIFICATION SYSTEM	PERIODIC PERIODIC	
IDONS IN POST-TENSIONED CONCRETE AND PRIOR TO MOVAL OF SHORES AND FORMS FROM BEAMS AND			-					F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY):	PERIODIC	
PUCTURAL SLABS.				-				DIMENSIONS (ALIGNMENT, ROOT OPENING & FACE, LEVEL)		
SPECT FORMWORK FOR SHAPE, LOCATION AND MENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.11.2 (b)	-					TACKING (TACK WELD QUALITY AND LOCATION)		
MASONRY CONSTRUCTION - REQUIREMENTS FOR	LEVEL B SPECIAL INS	SPECTION & TESTING						G. CONFIGURATION AND FINISH OF ACCESS HOLE.	PERIODIC	
AREAS OF INSPECTION & TESTING	FREQUENCY OF	REFERENCE	IBC					H. FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	PERIODIC	
		STANDARD						CLEANLINESS (CONDITION OF STEEL SURFACES) ALIGNMENT (TACK WELD QUALITY AND LOCATION)		
MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE	TERIODIC	-	1705.4					6. INSPECTION TASKS DURING WELDING:		AISC 360, TABLE
LOWING ITEMS ARE IN COMPLIANCE: PROPORTIONS OF SITE-PREPARED MORTAR.	PERIODIC							a. Use of Qualified WeldersB. CONTROL AND HANDLING OF WELDING CONSUMABLES,	PERIODIC	N5.4-2
CONSTRUCTION OF MORTAR JOINTS. GRADE AND SIZE OF PRESTRESSING TENDONS AND	PERIODIC PERIODIC							C. ENVIRONMENTAL CONDITIONS INCLUDING WIND SPEED	PERIODIC	
ANCHORAGES.	PFRIODIC	-						WITHIN LIMITS, PRECIPITATION, AND TEMPERATURE D. WPS FOLLOWED:	PERIODIC	
PRESTRESSING TENDONS, AND ANCHORAGES.								Settings on welding equipment travel speed		
PRESTRESSING TECHNIQUE. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY.	PERIODIC							SELECTED WELDING MATERIALS		
DR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN								PREHEAT APPLIED		
GROUT SPACE	PERIODIC							INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) PROPER POSITION (F, V, H, OH)		
BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES.	FERIODIC	TMS 402 SEC. 6.1						E. WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING	PERIODIC	
PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	PERIODIC	IMS 402 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7						EACH PASS WITHIN PROFILE LIMITATIONS EACH PASS MEETS QUALITY REQUIREMENTS		
proportions of site-prepared grout and prestressing grout for bonded tendons.	PERIODIC							7. INSPECTION TASKS AFTER WELDING:		AISC 360, TABLE
CONSTRUCTION OF MORTAR JOINTS. FY DURING CONSTRUCTION:	PERIODIC							A. WELDS CLEANED. B. SIZE, LENGTH, AND LOCATIONS OF WELDS	PERIODIC CONTINUOUS	N5.4-3
SIZE AND LOCATION OF STRUCTURAL ELEMENTS.		TMS 402						C. WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION	CONTINUOUS	
OTHER DETAILS OF ANCHORAGES OF MASONRY TO		SEC. 1.2.1(E),						WELD/BASE-METAL FUSION		
DINUCTURAL MEMBERS, FRAMES, OK OTHER CONSTRUCTION.		0.1.4.0, 0.2.1						WELD PROFILES		
WELDING OF REINFORCEMENT. PREPARATION, CONSTRUCTION, AND PROTECTION OF	CONTINUOUS PERIODIC	TMS 402						WELD SIZE UNDERCUT		
		SEC. 8.1.6.7.2, 9.3.3.4(C),						POROSITY D. ARC STRIKES	CONTINUOUS	
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90).	CONTINUOUS	11.3.3.4(B)						E. K-AREA F. BACKING REMOVED AND WELD TABS REMOVED (IF	CONTINUOUS CONTINUOUS	
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.								REQUIRED)	CONTINUOUS	
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	CONTINUOUS							H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT	CONTINUOUS	
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN PED MODITAR LOUNTS	CONTINUOUS PERIODIC							8. VERIFY PLACEMENT OF ANCHOR RODS AND OTHER		AISC 360 N5 7
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS. ERVE PREPARATION OF GROUT SPECIMENS. MORTAR	CONTINUOUS PERIODIC PERIODIC									, 1100 000, 110./
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MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS. ERVE PREPARATION OF GROUT SPECIMENS, MORTAR CIMENS, AND/OR PRISMS.	CONTINUOUS PERIODIC PERIODIC							 EMBEDMENT SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDMENT ITEM AND THE EXTENT OR DEPTH OF THE EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE. 9. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS 	PERIODIC	AISC 360, N5.8
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS. ERVE PREPARATION OF GROUT SPECIMENS, MORTAR CIMENS, AND/OR PRISMS.	CONTINUOUS PERIODIC PERIODIC							 EMBEDMENT SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDMENT ITEM AND THE EXTENT OR DEPTH OF THE EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE. 9. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONFLICTION 	PERIODIC	AISC 360, N5.8
MASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR 30NDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS. RVE PREPARATION OF GROUT SPECIMENS, MORTAR 21MENS, AND/OR PRISMS.	CONTINUOUS PERIODIC PERIODIC							 EMBEDMENT SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDMENT ITEM AND THE EXTENT OR DEPTH OF THE EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE. 9. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION. 10. INSPECT STEEL ELEMENTS OF COMPOSITE CONSTRUCTION 	PERIODIC	AISC 360, N5.8
MASONRY DURING COLE WEATHER (TEMPERATURES 3ELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR 30NDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS. IRVE PREPARATION OF GROUT SPECIMENS, MORTAR IMENS, AND/OR PRISMS.	CONTINUOUS PERIODIC PERIODIC							 EMBEDMENT SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE. 9. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION. 10. INSPECT STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT: A. PLACEMENT AND INSTALLATION OF STEEL DECK 	PERIODIC	AISC 360, N5.8 AISC 360, N6
AASONRY DURING COLE WEATHER (TEMPERATURES BELOW 40) OR HOT WEATHER (TEMPERATURES ABOVE 90). APPLICATION AND MEASUREMENT OF PRESTRESSING ORCE. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS. ERVE PREPARATION OF GROUT SPECIMENS, MORTAR IMENS, AND/OR PRISMS.	CONTINUOUS PERIODIC PERIODIC							 EMBEDMENT SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE. 9. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENERS. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION. 10. INSPECT STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT: A. PLACEMENT AND INSTALLATION OF STEEL DECK. B. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCIDORS 	PERIODIC	AISC 360, N5.8 AISC 360, N6

LOCATION	Liberty, NY					
OWNER		Liberty Central School District				
DESIGN PROFESSIONAL	. IN CHARGE	V CHARGE Patrick J. Williams, PE, SE				
This statement of Spec of the applicable build coordinator and the id encompasses the follo the Building Official an the contractor for corro Special Inspection pro-	ial Inspections is submitted a ding code. It includes a sche lentity of other approved ag wing disciplines: STRUCTURA ad the Registered Design Pro ection. If such discrepancie gram does not relieve the c	as a condition for permit issuar edule of Special Inspection ser gencies to be retained for con s.L. The Special Inspection Coo fessional in Responsible Charg s are not corrected, the discre contractor of his or her responsi	nce in accordance with the Spe rvices applicable to this project ducting these inspections and te ordinator shall keep records of all ge (RDP). Discovered discrepanc epancies shall be brought to the ibility for quality assurance.	cial Inspection and Structural Testing requirements as well as the name of the Special Inspection ests. This Statement of Special Inspections I inspections and shall furnish inspection reports to cies shall be brought to the immediate attention of attention of the Building Official and the RDP. The		
nterim reports shall be	submitted to the Building C	Official and the RDP, monthly.				
A Final Report of Speci inspections shall be sul	al Inspections documenting omitted by the special Inspe) completion of all required Sp ection Coordinator prior to issu	pecial Inspections, testing, and c nance of a Certificate of Use and	correction of any discrepancies noted in the discrepancies noted in the discrepancy.		
Job site safety and me	ans and methods of constru	uction are solely the responsib	ility of the contractor.			
In accordance with th	e applicable building code	, the Observations and Inspec	tions listed in the Schedule of Sp	pecial Inspections are required.		
			· · · · · · · · · · · · · · · · · · ·	· · ·		
SCHEDULE OF	INSPECTION AND	TESTING AGENCIE	<u>.</u>			
SPECIAL INSPECT	TION AGENCIES	FIRM	ADDRESS	TELEPHONE No.		
Special Inspection	on Coordinator	TBD	TBD	(###) ###-####		
Inspec	ctor	TBD	TBD	(###) ###-####		
eismic system or a win to the building official tatement of responsib	a or seismic force-resisting c and the owner or the owner vility shall contain acknowler	:omponent listed in the statem r's authorized agent prior to the dgement of awareness of the	nent of special inspections above e commencement of work on the special requirements contained	e shall submit a written statement of responsibility ne system or component. The contractor's I in the statement of special inspections.		
QUALIFICATIO	NS OF INSPECTO	RS AND TESTING TE				
The qualifications of al			<u>CHNICIANS</u>			
Inspectors and testing	l personnel performing Spec technicians shall be provide	cial Inspection and testing act ad.	CHNICIANS_ ivities are subject to the approve	al of the Building Official. The credentials of all		
Inspectors and testing Key for Minimum Quali	l personnel performing Spec technicians shall be provide fications of Inspection Ager	ial Inspection and testing act ed. its:	CHNICIANS_ ivities are subject to the approve	al of the Building Official. The credentials of all		
Inspectors and testing Key for Minimum Quali When the Registered E certification or license	l personnel performing Spec technicians shall be provide fications of Inspection Ager)esign Professional in Respor as indicated below, such de	sial Inspection and testing act ed. hts: htsible Charge deems it approp esignation shall appear below	CHNICIANS_ ivities are subject to the approve priate that the individual perform the Agency Number on the Sch	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule.		
Inspectors and testing Key for Minimum Quali When the Registered E certification or license PE/SE	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such de Structural Engineer - a	cial Inspection and testing act ed. hts: hsible Charge deems it approp esignation shall appear below icensed PE specializing in the	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule.		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such de Structural Engineer - a Geotechnical Enginee	cial Inspection and testing act ed. hts: hsible Charge deems it approp esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in	CHNICIANS ivities are subject to the approve priate that the individual perform / the Agency Number on the Sch design of building structures	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule.		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such de Structural Engineer - a Geotechnical Enginee Engineer - In - Training	cial Inspection and testing act ed. hts: hsible Charge deems it approp esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule. s		
Inspectors and testing Key for Minimum Quali When the Registered E certification or license PE/SE PE/GE EIT	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such d Structural Engineer - a Geotechnical Enginee Engineer - In - Training	cial Inspection and testing act ed. hts: hsible Charge deems it approp esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as AMERICAN CONCRETE INS	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered E certification or license PE/SE PE/GE EIT ACI-CFTT	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such de Structural Engineer - a Geotechnical Enginee Engineer - In - Training	cial Inspection and testing act ed. Its: Insible Charge deems it approp esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1	CHNICIANS ivities are subject to the approve priate that the individual perform to the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such de Structural Engineer - a Geotechnical Enginee Engineer - In - Training Concrete Field Testing Concrete Construction	cial Inspection and testing act ed. hts: hsible Charge deems it approp esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all ning a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI ACI-LTT	I personnel performing Spectechnicians shall be provide fications of Inspection Ager Design Professional in Resportas indicated below, such de Structural Engineer - a Geotechnical Enginee Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Tech	cial Inspection and testing act ed. hts: hsible Charge deems it approp esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector hnician - Grade 1&2	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI ACI-CCSI ACI-LTT ACI-STT	I personnel performing Spec technicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such d Structural Engineer - a Geotechnical Enginee Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Techni	cial Inspection and testing act ed. hts: hsible Charge deems it approperies esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector hnician - Grade 1&2 cian	CHNICIANS ivities are subject to the approve oriate that the individual perform is the Agency Number on the Sch design of building structures a soil mechanics and foundations is passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI ACI-LTT ACI-STT	I personnel performing Spectechnicians shall be provide fications of Inspection Ager Design Professional in Respor as indicated below, such d Structural Engineer - a Geotechnical Engineer Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Techni	cial Inspection and testing act ed. hts: hsible Charge deems it approperies esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector hnician - Grade 1&2 cian <u>AMERICAN WELDING SOU</u>	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered E certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI ACI-LTT ACI-STT AWS-CWI	I personnel performing Spec technicians shall be provide ifications of Inspection Ager Design Professional in Respor as indicated below, such d Structural Engineer - a Geotechnical Engineer Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Tech Strength Testing Techni	cial Inspection and testing act ed. Insible Charge deems it approper esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 I Special Inspector hnician - Grade 1&2 cian <u>AMERICAN WELDING SOC</u> Sector	CHNICIANS ivities are subject to the approve priate that the individual perform the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI ACI-LTT ACI-STT AWS-CWI AWS/AISC-SSI	I personnel performing Spec technicians shall be provide ifications of Inspection Ager Design Professional in Respor as indicated below, such d Structural Engineer - a Geotechnical Enginee Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Techni Strength Testing Techni Certified Welding Inspec	cial Inspection and testing act ed. hts: hsible Charge deems it approperies ignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector hnician - Grade 1&2 cian <u>AMERICAN WELDING SOC</u> Sector Sector	CHNICIANS ivities are subject to the approve oriate that the individual perform whe Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CCSI ACI-CCSI ACI-LTT ACI-STT AWS-CWI AWS/AISC-SSI	I personnel performing Spec technicians shall be provide ifications of Inspection Ager Design Professional in Respor as indicated below, such d Structural Engineer - a Geotechnical Engineer Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Techni Strength Testing Techni Certified Welding Inspec Certified Structural Stee	cial Inspection and testing act ed. hts: hsible Charge deems it approperies esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector hnician - Grade 1&2 cian <u>AMERICAN WELDING SOC</u> sctor > Inspector <u>INTERNATIONAL CODE CO</u> cial Inspector	CHNICIANS_ ivities are subject to the approva priate that the individual perform a the Agency Number on the Sch design of building structures a soil mechanics and foundations s passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION CIETY (AWS) CERTIFICATION DUNCIL (ICC) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		
Inspectors and testing Key for Minimum Quali When the Registered D certification or license PE/SE PE/GE EIT ACI-CFTT ACI-CFTT ACI-CCSI ACI-LTT ACI-STT ACI-STT AWS-CWI AWS/AISC-SSI ICC-SMSI	I personnel performing Spec technicians shall be provide ifications of Inspection Ager Design Professional in Respor as indicated below, such de Structural Engineer - a Geotechnical Enginee Engineer - In - Training Concrete Field Testing Concrete Construction Laboratory Testing Tech Strength Testing Techni Certified Welding Inspec Certified Structural Stee Structural Masonry Spe	cial Inspection and testing act ed. hts: hsible Charge deems it approperies esignation shall appear below licensed PE specializing in the r - a licensed PE specializing in the r - a graduate engineer who as <u>AMERICAN CONCRETE INS</u> Technician - Grade 1 Special Inspector hnician - Grade 1&2 cian <u>AMERICAN WELDING SOC</u> ector el Inspector <u>INTERNATIONAL CODE CO</u> cial Inspector el Inspector	CHNICIANS_ ivities are subject to the approve priate that the individual perform (the Agency Number on the Sch design of building structures a soil mechanics and foundations is passed the Fundamentals of Er STITUTE (ACI) CERTIFICATION CIETY (AWS) CERTIFICATION	al of the Building Official. The credentials of all hing a stipulated test of inspection have a specific hedule. s ngineering examination		

STATEMENT OF S	PECIAL INSP	ECTIONS				
LOCATION			Liberty, NY			
OWNER	WNER Liberty Central School District					
DESIGN PROFESSIONAL IN	CHARGE	Patr	ick J. Williams, PE, SE			
This statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the applicable building code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibility for quality assurance.						
Interim reports shall be sub	omitted to the Build	ng Official and the RDP, monthly.				
A Final Report of Special In inspections shall be submi	nspections docume itted by the special	nting completion of all required Sp Inspection Coordinator prior to issu	ecial Inspections, testing, and corre ance of a Certificate of Use and O	ection of any discrepancies noted in the ccupancy.		
Job site safety and means	s and methods of co	onstruction are solely the responsibi	lity of the contractor.			
In accordance with the a	pplicable building a	code, the Observations and Inspec	tions listed in the Schedule of Spec	ial Inspections are required.		
SCHEDULE OF IN	SPECTION A	ND TESTING AGENCIE	<u>s</u>			
SPECIAL INSPECTION	N AGENCIES	FIRM	ADDRESS	TELEPHONE No.		
Special Inspection C	Coordinator	TBD	TBD	(###) ###-####		
Inspector	r	TBD	TBD	(###) ###-####		
Note: The inspectors and t Contractor or Subcontrac responsible for the work be conflicts of interest so that	testing agencies sho tor whose work is to eing inspected. The t objectivity can be	Il be engaged by the Owner or the be inspected or tested. An approv agency shall also disclose to the b confirmed.	e Owner's Agent in accordance wi ved agency shall be objective, con vuilding official and the registered c	th the applicable building code, and not by the npetent and independent from the contractor lesign professional in responsible charge possible		
STATEMENT OF	CONTRACTO	RS RESPONSIBILITY				
In accordance with the a seismic system or a wind o to the building official and statement of responsibility	pplicable building o or seismic force-resist d the owner or the c shall contain ackno	code, each contractor responsible ing component listed in the statem wner's authorized agent prior to the owledgement of awareness of the	for the construction of a main winc nent of special inspections above sl e commencement of work on the s special requirements contained in	t or seismic force-resisting system, designated hall submit a written statement of responsibility system or component. The contractor's the statement of special inspections.		
QUALIFICATION	S OF INSPEC	TORS AND TESTING TE	CHNICIANS			
The qualifications of all pe Inspectors and testing tec	ersonnel performing chnicians shall be pr	Special Inspection and testing acti ovided.	ivities are subject to the approval o	f the Building Official. The credentials of all		
Key for Minimum Qualifica	ations of Inspection .	Agents:				
When the Registered Design certification or license as in the second sec	gn Professional in Re ndicated below, su	sponsible Charge deems it approp ch designation shall appear below	priate that the individual performing the Agency Number on the Schec	g a stipulated test of inspection have a specific dule.		
PE/SE	Structural Enginee	r - a licensed PE specializina in the	design of building structures			
PE/GE	Geotechnical Eng	ineer - a licensed PE specializing in	soil mechanics and foundations			
EIT	Engineer - In - Trai	ning - a graduate engineer who as	s passed the Fundamentals of Engir	neering examination		
		AMERICAN CONCRETE INS	STITUTE (ACI) CERTIFICATION			
ACI-CFTT	Concrete Field Te	ting Technician - Grade 1				
ACI-CCSI	Concrete Constru	ction Special Inspector				
ACI-LTT	Laboratory Testing	Technician - Grade 1&2				
ACI-STT	Strength Testina Te	chnician				
-		AMERICAN WELDING SOC	CIETY (AWS) CERTIFICATION			
AWS-CWI	Certified Weldina	Inspector				
AWS/AISC-SSI	Certified Structura	I Steel Inspector				
		INTERNATIONAL CODE CO	UNCIL (ICC) CERTIFICATION			
ICC-SMSI	Structural Masonry	Special Inspector				
ICC-SWSI	Structural Steel an	d Welding Special Inspector				

STATEMENT OF SE	PECIAL INSPEC	<u>TIONS</u>						
LOCATION			Liberty, NY					
OWNER		Liber	ty Central School District					
DESIGN PROFESSIONAL IN (GN PROFESSIONAL IN CHARGE Patrick J. Williams, PE, SE							
This statement of Special Ir of the applicable building coordinator and the identi encompasses the following the Building Official and th the contractor for correction Special Inspection program	nspections is submitted code. It includes a sche ty of other approved ag g disciplines: STRUCTURA e Registered Design Pro on. If such discrepancie n does not relieve the c	as a condition for permit issued adule of Special Inspection s gencies to be retained for co AL. The Special Inspection Co fessional in Responsible Cha s are not corrected, the disc ontractor of his or her respor	ance in accordance with the Spec services applicable to this project a ponducting these inspections and tes pordinator shall keep records of all i arge (RDP). Discovered discrepancies repancies shall be brought to the a nsibility for quality assurance.	ial Inspection and Structural Testing requirements is well as the name of the Special Inspection sts. This Statement of Special Inspections inspections and shall furnish inspection reports to es shall be brought to the immediate attention of attention of the Building Official and the RDP. The				
Interim reports shall be sub	mitted to the Building C	Official and the RDP, monthly	<i>'</i> .					
A Final Report of Special In inspections shall be submit	spections documenting ted by the special Inspe	g completion of all required s action Coordinator prior to is	Special Inspections, testing, and co suance of a Certificate of Use and t	prrection of any discrepancies noted in the Occupancy.				
Job site safety and means	and methods of constru	uction are solely the respons	ibility of the contractor.					
In accordance with the ap	oplicable building code	, the Observations and Inspe	ections listed in the Schedule of Spe	ecial Inspections are required.				
SCHEDULE OF IN:	SPECTION AND	TESTING AGENCI	<u> ES_</u>					
SPECIAL INSPECTION	AGENCIES	FIRM	ADDRESS	TELEPHONE No.				
Special Inspection C	oordinator	TBD	TBD	(###) ###-####				
Inspector		TBD	TBD	(###) ###-####				
n accordance with the ap eismic system or a wind or to the building official and tatement of responsibility	oplicable building code seismic force-resisting of the owner or the owne shall contain acknowle	, each contractor responsibl component listed in the state r's authorized agent prior to t dgement of awareness of th	le for the construction of a main wir ement of special inspections above the commencement of work on the e special requirements contained in	nd or seismic force-resisting system, designated shall submit a written statement of responsibility e system or component. The contractor's in the statement of special inspections.				
QUALIFICATIONS	OF INSPECTO	RS AND TESTING T	ECHNICIANS					
The qualifications of all per Inspectors and testing tech	rsonnel performing Spec	cial Inspection and testing ac	ctivities are subject to the approval	l of the Building Official. The credentials of all				
Key for Minimum Qualificat	tions of Inspection Ager	its:						
When the Registered Desig certification or license as ir	n Professional in Respor ndicated below, such d	nsible Charge deems it appr esignation shall appear belo	opriate that the individual performin w the Agency Number on the Sche	ng a stipulated test of inspection have a specific edule.				
PE/SE	Structural Engineer - a	licensed PE specializing in th	e design of building structures					
PE/GE	Geotechnical Enginee	r - a licensed PE specializing	in soil mechanics and foundations					
EIT	Engineer - In - Training	- a graduate engineer who	as passed the Fundamentals of Eng	gineering examination				
		AMERICAN CONCRETE I	NSTITUTE (ACI) CERTIFICATION					
ACI-CFTT	Concrete Field Testing	Technician - Grade 1						
ACI-CCSI	Concrete Construction	Special Inspector						
ACI-LTT	Laboratory Testing Tec	hnician - Grade 1&2						
ACI-STT	Strength Testing Techni	cian						
		AMERICAN WELDING S	OCIETY (AWS) CERTIFICATION					
AWS-CWI	Certified Welding Inspe	ector						
AWS/AISC-SSI	Certitied Structural Stee	el Inspector						
	Structural Masonny Spe	INIERNA IIONAL CODE C	OUNCIL (ICC) CERIIFICATION					
		ding special lassester						
100-20021	Siluciulal steel and We	eraing special inspector						

STATEMENT OF S	PECIAL INSP	ECTIONS							
LOCATION			Liberty, NY						
OWNER	Liberty Central School District								
DESIGN PROFESSIONAL IN	I PROFESSIONAL IN CHARGE Patrick J. Williams, PE, SE								
This statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the applicable building code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibility for quality assurance.									
Interim reports shall be sub	omitted to the Buildi	ng Official and the RDP, monthly.							
A Final Report of Special I inspections shall be submi	nspections docume itted by the special	nting completion of all required Sp Inspection Coordinator prior to issu	ecial Inspections, testing, and corr ance of a Certificate of Use and C	ection of any discrepancies noted in the Occupancy.					
Job site safety and means	s and methods of co	onstruction are solely the responsibi	lity of the contractor.						
In accordance with the a	pplicable building a	code, the Observations and Inspec	tions listed in the Schedule of Spec	sial Inspections are required.					
SCHEDULE OF IN	SPECTION A	ND TESTING AGENCIE	<u>s</u>						
SPECIAL INSPECTION	N AGENCIES	FIRM	ADDRESS	TELEPHONE No.					
Special Inspection C	Coordinator	TBD	TBD	(###) ###-####					
Inspector	ſ	TBD	TBD	(###) ###-####					
Note: The inspectors and the Contractor or Subcontractor or Subcontractor responsible for the work be conflicts of interest so that	testing agencies sho tor whose work is to eing inspected. The t objectivity can be	Ill be engaged by the Owner or the be inspected or tested. An approv agency shall also disclose to the b confirmed.	e Owner's Agent in accordance w ved agency shall be objective, cor uilding official and the registered o	ith the applicable building code, and not by the mpetent and independent from the contractor design professional in responsible charge possible					
STATEMENT OF	CONTRACTO	RS RESPONSIBILITY							
In accordance with the a seismic system or a wind c to the building official and statement of responsibility	pplicable building c or seismic force-resist d the owner or the o shall contain ackno	code, each contractor responsible ing component listed in the statem wner's authorized agent prior to the owledgement of awareness of the	for the construction of a main wind nent of special inspections above s e commencement of work on the special requirements contained in	d or seismic force-resisting system, designated hall submit a written statement of responsibility system or component. The contractor's the statement of special inspections.					
QUALIFICATION	S OF INSPEC	TORS AND TESTING TE	CHNICIANS						
The qualifications of all pe Inspectors and testing tec	ersonnel performing chnicians shall be pre	Special Inspection and testing acti ovided.	vities are subject to the approval o	of the Building Official. The credentials of all					
Key for Minimum Qualifica	ations of Inspection /	Agents:							
When the Registered Desi certification or license as i	gn Professional in Re ndicated below, su	sponsible Charge deems it approp ch designation shall appear below	priate that the individual performing the Agency Number on the Scheo	g a stipulated test of inspection have a specific dule.					
PE/SE	Structural Enginee	r - a licensed PE specializing in the	design of building structures						
PE/GE	Geotechnical Eng	ineer - a licensed PE specializing in	soil mechanics and foundations						
EIT	Engineer - In - Trair	ning - a graduate engineer who as	passed the Fundamentals of Engi	neering examination					
		AMERICAN CONCRETE INS	STITUTE (ACI) CERTIFICATION						
ACI-CFTT	Concrete Field Tes	ting Technician - Grade 1							
ACI-CCSI	Concrete Constru	ction Special Inspector							
ACI-LTT	Laboratory Testing	Technician - Grade 1&2							
ACI-STT	Strength Testing Te	chnician							
		AMERICAN WELDING SOC	CIETY (AWS) CERTIFICATION						
AWS-CWI	Certified Welding	Inspector							
AWS/AISC-SSI	Certified Structura	I Steel Inspector							
		INTERNATIONAL CODE CO	UNCIL (ICC) CERTIFICATION						
ICC-SMSI	Structural Masonry	Special Inspector							
ICC-SWSI	2-SWSI Structural Steel and Welding Special Inspector								

STATEMENT OF SP	PECIAL INSPE							
LOCATION			Liberty, NY					
OWNER		Liberty C	Central School District					
DESIGN PROFESSIONAL IN C	IN CHARGE Patrick J. Williams, PE, SE							
This statement of Special In of the applicable building of coordinator and the identit encompasses the following the Building Official and the the contractor for correctic Special Inspection program	nspections is submitt code. It includes a s ty of other approved g disciplines: STRUCT e Registered Design on. If such discrepar n does not relieve th	ed as a condition for permit issuance schedule of Special Inspection servic d agencies to be retained for condu URAL. The Special Inspection Coordi Professional in Responsible Charge ncies are not corrected, the discrepc ne contractor of his or her responsibili	e in accordance with the Speci ces applicable to this project as ucting these inspections and test inator shall keep records of all ir (RDP). Discovered discrepancies ancies shall be brought to the at ity for quality assurance.	ial Inspection and Structural Testing requirements s well as the name of the Special Inspection ts. This Statement of Special Inspections nspections and shall furnish inspection reports to es shall be brought to the immediate attention of ttention of the Building Official and the RDP. The				
Interim reports shall be subr	mitted to the Buildir	g Official and the RDP, monthly.						
A Final Report of Special Ins inspections shall be submitt	spections documen ted by the special Ir	iting completion of all required Spec nspection Coordinator prior to issuan	cial Inspections, testing, and cor nce of a Certificate of Use and C	rrection of any discrepancies noted in the Occupancy.				
Job site safety and means of	and methods of co	nstruction are solely the responsibility	y of the contractor.					
In accordance with the ap	oplicable building co	ode, the Observations and Inspectio	ons listed in the Schedule of Spe	cial Inspections are required.				
Special Inspection C	AGENCIES		TBD	(###) ###_####				
			TBD					
Contractor or Subcontractor responsible for the work be conflicts of interest so that	esting agencies snai or whose work is to b ing inspected. The c objectivity can be c	t be engaged by the Owner of the C pe inspected or tested. An approved agency shall also disclose to the buil confirmed.	Jwners Agent in accordance w d agency shall be objective, co Iding official and the registered	with the applicable building code, and not by the ompetent and independent from the contractor design professional in responsible charge possible				
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Geotechnical Engineering Technician - Levels I, II, III & IV

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 BUILDING SECTION

 A251
 1/4" = 1'-0"

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- 7/8" VERTICAL CLIPS

TOILET ROOM

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> - 10" DEEP STEEL GIRTS M/ 6" BATT INSULATION

METAL PANEL

- 1 1/2" EXTERIOR CLADDING GIRTS

— 2" INSULATED METAL PANEL

- 1 1/2" EXTERIOR CLADDING GIRTS

— COLUMN, REFER TO STRUCTURAL DRAWINGS

10" DEEP STEEL GIRTS W/ 6" BATT INSULATION

-PRE-FORMED CORNER

- CAST CONCRETE COPING BELOW

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METAL STUD ROOF EAVE FRAMING (MIN. 6" DEEP) SPACED AT 24" O.C. MAX

 $\frac{1}{A451} \frac{ROOF FRAMING PLAN}{3/8" = 1'-0"}$

GENERAL NOTES 1. REFER TO SHEET GOO1 FOR ADDITIONAL GENERAL NOTES. 2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY. 3. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINMALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES. 4. REFER TO SHEET A 701 FOR PARTITION TYPES AND ADDITIONAL NOTES. - DELEGATED DESIGN: EAVE GIRT SIZING PER MANUFACTURER ____ DELEGATED DESIGN: COLUMNS -INS -SIZING AND SPACING ١G PER MANUFACTURER ER --+-_____ - L__ ╾╾╉╉ ______ QĽΩ _ _ 0 JQ ₽Ę < L__ ____ ____ _ _ _ _ _ _ SIZING AND SPACING NG PER MANUFACTURER ER --++ _ _ _ _ + _ _ _ _ _ _ _ _ _ _ DK O Ωz ____ ____ DELEGATED DESIGN: COLUMNS INS SIZING AND SPACING NG PER MANUFACTURER -RER — ____ **__** - DELEGATED DESIGN: EAVE GIRT SIZING PER MANUFACTURER

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PLUMBING FIXTURE ELEVATIONS

ACCESSIBLE LAVATORY WITH MIRROR AND SOAP DISPENSER

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PS PRC	DJECTION SCREEN, SIZE AS INDICA
ENB SCH	EDULED WALL BASE
	KABLE SURFACE BOARD, LENGTH
	TEBOARD, LENGTH AS INDICATED
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	PLAN AND
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COPYRIGHT © ALL RIGHTS RESERVED	CONSTRUCTION DOCUMENTS

 $\frac{5}{A603} \text{ INTERIOR ELEVATION - TOILET 101A}$

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ÉNO	ELECTRIC WATER COOLER, C PLUMBING DRAWINGS
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6B2	42" GRAB BAR
6B3	18" VERTICAL GRAB BAR
	SINGLE STATION LAVATORY, PLUMBING DRAINGS
(12)	DOUBLE STATION LAVATOR
L3)	THREE STATION LAVATORY, PLUMBING DRAWINGS
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FIRST FLOOR REFLECTED CEILING PLAN

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o	1'X LIGHT FIXTURE
- - -	PENDANT LIGHT FIXTU
0	RECESSED DOWN LIG
•	CEILING MOUNTED EXI
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()	CEILING MOUNTED HEA
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\mathbb{O}_{S}	CEILING MOUNTED SEC
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MECHANIC	AL EQUIPMENT, REFER T
	FOR ADDITIONAL INFOR
Ä	HVAC SUPPLY GRILLE
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#	DESCR
	ACOUSTICAL DANEL CEU
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										DOOF	R SCHEE	DULE													
~					DOOR										FRAME						EN	COL		X:	
DOOR NUMBEF	QUANTITY	FROM		ТО		WIDTH	HEIGHT	THICKNESS	ТҮРЕ	MATERIAL	FINISH	ТҮРЕ	MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	LABEL (MIN)	GLAZING	HARDWARE	MAG HOLD-OP	ACCESS CONTR	R-VALUE (MIN.)	U-FACTOR (MA	REMARK
																		_							
001	1	T1	TOILET	-	EXTERIOR	3' - 0"	7' - 0"	1 3/4"	F	HM	PNT	1	НM	PT	6/A901	3/A901	1/A901	-	-	1	-	-	-	0.37	VACANCY INDI
002	1	-	EXTERIOR	T2	TOILET	3' - 0"	7' - 0"	1 3/4"	F	НМ	PNT	1	НМ	PT	6/A901	3/A901	1/A901	-	-	1	-	-	-	0.37	VACANCY INDI
003	1	Т3	TOILET	-	EXTERIOR	3' - 0"	7' - 0"	1 3/4"	F	НМ	PNT	1	HM	PT	6/A901	3/A901	1/A901	-	-	1	-	-	-	0.37	VACANCY INDI
004	1	-	EXTERIOR	101	BAY 1	10' - 0"	10' - 0"	2"	ОН	ST/INSUL	FF	2	ST	FF	7/A901	4/A901	1/A901	-	-	-	-	-	18.0	-	
005	1	102	BAY 2	-	EXTERIOR	14' - 0"	10' - 0"	2"	ОН	ST/INSUL	FF	2	ST	FF	7/A901	4/A901	1/A901	-	-	-	-	-	18.0	-	
006	1	-	EXTERIOR	103	BAY 3	14' - 0"	10' - 0"	2"	ОН	ST/INSUL	FF	2	ST	FF	7/A901	4/A901	1/A901	-	-	-	-	-	18.0	-	
007	1	104	BAY 4	-	EXTERIOR	10' - 0"	10' - 0"	2"	ОН	ST/INSUL	FF	2	ST	FF	7/A901	4/A901	1/A901	-	-	-	-	-	18.0	-	
008	1	104	BAY 4	-	EXTERIOR	3' - 0"	7' - 0"	1 3/4"	F	НМ	PNT	1	НМ	PT	6/A901	3/A901	1/A901	-	-	2	-	-	-	0.37	
101	1	101A	TOILET	101	BAY 1	3' - 0"	7' - 0"	1 3/4"	F	НМ	PNT	1	НМ	PT	8/A901	5/A901	2/A901	45	-	1	-	-	-	0.37	VACANCY INDI
102	1	104	BAY 4	103	BAY 3	3' - 0"	7' - 0"	1 3/4"	F	НМ	PNT	1	HM	PT	8/A901	5/A901	1/A901	-	-	3	-	-	-	0.37	

FLOOR FINISH	IES				
EPOXY RESINOUS FLOOR	MANUFACTURER	STYLE	COLOR # /	SIZE	NOTE
ERF-1	DUR-A-FLEX, INC.	HYBRI-FLEX EQ	AS SELECTED BY ARCHITECT FROM FULL RANGE	SEAMLESS	ALL TOILET ROOMS

BASE FINISHES					
EPOXY	MANUFACTURER	STYLE	COLOR # /	SIZE	NOTE
RESINOUS					
WALL BASE					
ERB-1	DUR-A-FLEX, INC.	HYBRI-FLEX EQ	AS SELECTED BY ARCHITECT FROM FULL RANGE	SEAMLESS	ALL TOILET ROOMS

WALL FINISHE	VALL FINISHES									
WALL PAINT	MANUFACTURER	STYLE	COLOR # /	SIZE	NOTE					
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED BY ARCHITECT FROM FULL RANGE		BAYS 1 THRU 4 (CMU WALLS)					
PNT-2	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED BY ARCHITECT FROM FULL RANGE		ALL TOILET ROOMS (CMU WALLS)					
PNT-3	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED BY ARCHITECT FROM FULL RANGE		ALL TOILET ROOMS (GWB WALLS)					
PNT-4	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED BY ARCHITECT FROM FULL RANGE		HM DOOR FRAMES					
PNT-5	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED BY ARCHITECT FROM FULL RANGE		HM DOOR PANELS					

CEILING FINISHES										
ACOUSTIC PANEL CEILINGS	MANUFACTURER	STYLE	COLOR # /	SIZE	NOTE					
C-1	USG INTERIORS, INC	MARS, SHADOWLINE	WHITE	24" X 24"	ALL TOILET ROOMS					

								FINISH	SCHED	ULE						
ROOM		FLOOR	FLOOR	BASE	BASE	NORTH WALL	NORTH WALL	EAST WALL	EAST WALL	SOUTH WALL	SOUTH WALL	WEST WALL	WEST WALL	CEILING	CEILING	
NUMBER	ROOM NAME	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	MATERIAL	FINISH	COMMENTS
										-						
101	BAY 1	CONC	EXP	CONC/CMU	EXP	-	-	MTP	FF	CMU	PNT-1	MTP	FF	EXP	-	
101A	TOILET	CONC	ERF-1	GWB/CMU	ERB-1	CMU	PNT-2	GWB	PNT-3	GWB	PNT-3	CMU	PNT-2	ACT	C-1	
102	BAY 2	CONC	EXP	CONC/CMU	EXP	-	-	MTP	FF	-	-	MTP	FF	EXP	-	
103	BAY 3	CONC	EXP	CONC/CMU	EXP	CMU	PNT-1	MTP	FF	-	-	MTP	FF	EXP	-	
104	BAY 4	CONC	EXP	CONC/CMU	EXP	MTP	FF	MTP	FF	CMU	PNT-1	MTP	FF	EXP	-	
T1	TOILET	CONC	ERF-1	GWB/CMU	ERB-1	CMU	PNT-2	CMU	PNT-2	GWB	PNT-3	GWB	PNT-3	ACT	C-1	
T2	TOILET	CONC	ERF-1	GWB/CMU	ERB-1	CMU	PNT-2	CMU	PNT-2	GWB	PNT-3	CMU	PNT-2	ACT	C-1	
T3	TOILET	CONC	ERF-1	GWB/CMU	ERB-1	CMU	PNT-2	CMU	PNT-2	GWB	PNT-3	CMU	PNT-3	ACT	C-1	

FIRST FLOOR FINISH PLAN AF001 ^{1/4" = 1'-0"}

MANUF INDICA OF-DE PRIOR	ACTURER'S NAMES AND FI TED AS REFERENCED TO SIGN SELECTIONS AND HA TO BID. THE CONTRACTO
HEREE ARE SI	Y NOTIFIED THAT FINISHES
CONFI	RMED SELECTIONS, PRODI IBSEQUENT COORDINATIO
ARCHI HEREIN	TECT AND MAY DIFFER FR N.
	ABBREVIA
ACMU ACT	ARCHITECTURAL CON ACOUSTICAL CEILING
APC BBT	ACOUSTICAL PANEL C BIO-BASED TILE
BRK CFT	BRICK CERAMIC FL <i>OO</i> R TILE
CMU CONC	CONCRETE MASONR
CMR	CONCRETE WATER R
CTB	CERAMIC TILE BASE
ETR	EXISTING TO REMAIN
FAC/F	F FACTORY FINISH
LMC	LINEAR METAL CEILIN
MMP	METAL WALL PANEL
PLAM	PLASTIC LAMINATE
PNT	PAINT PAINT REGULENT ATULETICS
RB	RUBBER BASE
RF RST	RUBBER STAIR TREA
SCON	SEALED CONCRETE
55 STF	STAINLESS STEEL SYNTHETIC TURF FLO
STL TERR	STEEL TERRAZZO
TP TYP	TOILET PARTITIONS TYPICAL
VCT VCTAS	VINYL COMPOSITION VINYL COMPOSITION
VMC MAF	VINYL WALLCOVERIN WOOD ATHLETIC FLO
ND NOM	NOOD WALK-OFF MAT
X-	
	GENERAL FINI
1. ALL BEPA	EXPOSED SURFACES OF N
2. WHE WALL CORN	IN ANY WORK IS PERFORM , THE ENTIRE WALL SURFAC IER TO CORNER UNLESS N
3. ALL TELEF	ELECTRIC, MECHANICAL C PHONE PANELS EXPOSED I
MALL	COLOR.
4. ALL PAINT	TEM GMB CEILINGS, FASCI TED PNT-2, UNO.
5. ALL DUCT PNT-2	EXPOSED CEILING STRUCT WORK, CONDUIT AND PIPIN 2, UNO.
6. ALL PAINT	STEEL COLUMNS IN AREAS ED.
7. ALL	EXPOSED STEEL ASSOCIA
RISER POST AND S	S, COLUMNS, PLATES, TUBI S, UNDERSIDES OF FLOOR TAIR PANS WITH THE EXCE
8. NEM FRAM FRAM	HM DOORS, DOOR FRAME IES AND ETR CORRIDOR D IES AS SCHEDUI ED ON AG
PNT-	1.
9. ALL RECE LOCA	EXPOSED GROUND FACE IVE GRAFFITIT COATING, T TIONS.
	FINISH KEY
#	DESCRIPT
W. 1	PROVIDE NEW WALL BAS
	FINISHES.
F.2	ALIGN FLOOR FINISH TRAI WALL
F3	INFILL AREA AFFECTED B
1.0	VCT TO MATCH EXISTING
	FINISH F
Roo	m Name
Wa Bas Floo	II Finish e Finish or Finish = FINISH TAGE
	PNT-# ACCENT PAINT

	Plumbing Fixture Schedule												
FIXTURE	DESCRIPTION	PIPING CONNECTION				WATER SUPPLY		ADA		MANUFACTURER/MODEL	REMARKS		
MARK	DESCRIPTION	H.W.	C.W.	WASTE	VENT	FIXTURE UNITS	UNITS	(Y/N)	(Y/N)	(OR ACCEPTABLE EQUAL)	REMARKS		
1	EXPOSED WALL HYDRANT	-	3/4	-	-	-	-	-	-	EXPOSED WALL HYDRANT TYPICAL OF ZURN ECOLOTROL MODEL #Z1333XL; EXPOSED, LEAD FREE, ANTI SIPHON, AUTO DRAINING	MTD. AT 24" ABOVE FINSHED FLOOR. INSTALL PER MANUFACTURER'S REQUIREMENTS		
2	WATER CLOSET	-	1	4	2	10.0	4	Y	Y	WATER CLOSET TYPICAL OF ZURN MODEL #Z5615 HET; WALL HUNG W/ ELONGATED FRONT RIM; 1.28 GPF; FURNISH W/ SEAT MODEL #Z5955SS-EL AND BATTERY SENSOR FLUSH VALVE MODEL# ZER6000AV-HET-CPM.	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS. PROVIDE WALL CARRIER TYPICAL OF ZURN Z1201 OR EQUAL		
3	LAVATORY	1/2	1/2	1-1/2	1-1/2	2.0	1	Y	Y	WALL HUNG LAVATORY TYPICAL OF ZURN MODEL #Z5340; VITREOUS CHINA; FURNISH W/ BATTERY SENSOR FAUCET MODEL #Z6955-XL-S-N-LL, CONCEALED ARM CARRIERS, ADA GRID STRAINER AND ADA TRAP/SUPPLY PROTECTORS	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS		
4	FLOOR DRAIN	-	-	4	2	-	2	-	-	4"Ø FLOOR DRAIN W/ 6" STRAINER TYPICAL OF ZURN MODEL #Z415-BZ1-TSP; FURNISH WITH TRAP SEAL DEVICE	INSTALL PER MANUFACTURER'S REQUIREMENTS		
5	TRENCH DRAIN	-	-	4	2	-	2	-	-	12" WIDE PRE-SLOPED HDPE TRENCH DRAIN TYPICAL OF ZURN MODEL #Z882; FURNISH WITH FIBERGLASS CLASS-F GRATE; ASSEMBLE SECTIONS TO HAVE CONTINUOUS SLOPE	INSTALL PER MANUFACTURER'S REQUIREMENTS		
6	GAS WATER HEATER	3/4	3/4	-	-	-	-	-	-	GAS WATER HEATER TYPICAL OF BRADFORD WHITE MODEL #LC2PV50H763N; 50 GAL. CAPACITY; 81 GPH RECOVERY @ 100F RISE; 89% THERMAL EFFICIENCY; 76 MBH INPUT	INSTALL PER MANUFACTURER'S REQUIREMENTS		
7	RECIRC/MIXING STATION	1(110F) ³ / ₄ (140F)	3/4	-	-	-	-	-	-	RECIRCULATION AND MIXING STATION TYPICAL OF BRADLEY MODEL#NRS-4; FURNISH W/ TACO SMARTPLUS MODEL #008-IQSF6-IFC RECIRC PUMP AND AQUASTAT	INSTALL PER MANUFACTURER'S REQUIREMENTS		
8	NON-FREEZE WALL HYDRANT	-	3/4	-	-	-	-	-	-	ENCASED WALL HYDRANT TYPICAL OF ZURN ECOLOTROL MODEL #Z1320XL; ENCASED, LEAD FREE, ANTI SIPHON, AUTO DRAINING, NON-FREEZE	MTD. AT 36" ABOVE FINISHED GRADE. INSTALL PER MANUFACTURER'S REQUIREMENTS		

4 ` P101 N.T.S.

∖P101/

TEMP./PRESSURE -RELIEF VALVE

\P101 / N.T.S.

SEAL TYPICAL ¬

OF LINK SEAL

- PIPE SLEEVE EXTEND 1" BEYOND WALL FACE

Accessible Lavatory Detail Scale: None

P101 N.T.S.

Typical Water Heater Detail

Plumbing Legend:

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(P-X)

DOMESTIC COLD WATER SUPPLY 110 °F DOMESTIC HOT WATER SUPPLY 140 °F DOMESTIC HOT WATER SUPPLY HOT WATER RETURN SANITARY SEWER, ABOVE GRADE SANITARY SEWER, BELOW GRADE GREASE WASTE, BELOW GRADE PLUMBING VENT STORM WATER, ABOVE GRADE STORM WATER, BELOW GRADE NATURAL GAS PIPING DIRECTION OF PIPE SLOPE (DOWN) CONCENTRIC REDUCER OR INCREASER ECCENTRIC REDUCER TOP CONNECTION, 45° OR 90° BOTTOM CONNECTION, 45° OR 90° SIDE CONNECTION CAPPED OUTLET RISE OR DROP IN PIPE UNION PIPE UP PIPE DOWN POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK STRAINER HOSE BIB SOLENOID VALVE GATE VALVE GLOBE VALVE CHECK VALVE BUTTERFLY VALVE FULL PORT BALL VALVE PRESSURE GAUGE PRESSURE REDUCING VALVE (PRV) DRAIN VALVE FLEXIBLE PIPING CONNECTION

CLEANOUT

WALL CLEANOUT

FLOOR CLEANOUT CLEANOUT TO GRADE

DOUBLE CLEANOUT TO GRADE

PLUMBING FIXTURE MARK

Plumbing Notes:

- 1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- 2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- 3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- 4. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- 5. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- 6. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 PLUMBING CODE OF NEW YORK STATE, 2020 FUEL GAS CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- WHERE THE PROJECT INVOLVES A GAS SERVICE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL GAS UTILITY COMPANY. ALL WORK INVOLVING THE GAS UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
- 8. ALL DOMESTIC COLD AND HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH 1" THICK RIGID ONE-PIECE MOLDED SECTIONAL FIBERGLASS PIPE COVERING WITH UNIVERSAL JACKET. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
- 9. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- 10. ALL EXPOSED PIPING, FITTINGS, TRAPS, ESCUTCHEONS, VALVES, ETC. SHALL BE CHROME PLATED.
- 11. SLOPE SANITARY DRAINAGE PIPING 2" DIAMETER AND SMALLER NOT LESS THAN 1/4" PER FOOT. SLOPE SANITARY DRAINAGE PIPING OVER 2" DIAMETER NOT LESS THAN 1/8" PER FOOT.
- 12. INSTALL A CLEANOUT AT THE BASE OF EACH SOIL STACK, AT EACH CHANGE IN DIRECTION, AT INTERVALS NOT OVER 50 FEET AND ELSEWHERE AS SHOWN ON DRAWINGS OR REQUIRED BY CODE.
- 13. PROVIDE EXPOSED PIPING WITH CHROME PLATED CAST BRASS ESCUTCHEON WITH SET SCREW WHERE PENETRATING FLOORS, CEILINGS, WALLS OR PARTITIONS.
- 14. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
- 14.1. WATER & GAS PIPING TO BE AIR-PRESSURE TESTED TO 1-1/2 TIMES MAXIMUM WORKING PRESSURE.
- 14.2. DRAINAGE, WASTE & VENT PIPING TO BE TESTED BY FILLING THE SYSTEM WITH WATER TO 10-FEET ABOVE HIGHEST POINT.
- 15. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
- 16. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
- 17. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM.
- 18. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- 19. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
- 20. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

DR/	AINAGE NOTES:
1.	DRAINAGE MUST BE PROVIDED TO ACCOMMODATE DISCHARGE DURING TESTING OF
	RELIEF VALVE DISCHARGE.
2.	DISCHARGE FROM RELIEF VALVES MUST BE READILY VISIBLE. ADEQUATE LIGHTING
	BE PROVIDED.
3.	DISCHARGE PIPING FROM ANY RELIEF VALVE MUST TERMINATE AT LEAST 1" ABOVE
	OR RECEIVING RECEPTACLE.
BAC	CKFLOW DEVICE INSTALLATION NOTES:
1.	STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE
	FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSU
	UNDERWRITER APPROVAL.
2.	ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIE
	VALVES.
3.	WATER LINES SHOULD BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF DEVIC
	PREVENT DEBRIS FOULING THE DEVICE CHECK VALVES.
4.	DEVICES MUST BE MOUNTED HORIZONTALLY UNLESS APPROVED FOR VERTICAL
_	INSTALLATION.
5.	ASSEMBLIES SHOULD NOT BE INSTALLED IN AREAS CONTAINING CORROSIVE OR TO
•	GASES WHICH COULD RENDER THE DEVICE INOPERABLE.
6.	DUE TO INHERENT DESIGN OF RPZ ASSEMBLIES, FLUCTUATING SUPPLY PRESSURE
	LOW FLOW CONDITION MAY CAUSE NUISANCE DRIPPING. INSTALLATION OF A SOFT
	SEATED CHECK VALVE AHEAD OF THE RPZ WILL OFTEN HOLD PRESSURE CONSTAN
7	DURING PERIODS OF LOW FLOW.
7.	THE INSTALLATION OF A DOUBLE CHECK VALVE DEVICE IS ACCEPTABLE FOR ANT
	MEDICAL OFFICES DRY CLEANERS FTC) TAKES TEMANOVA DEDUCED DRESSURE
	(MEDICAL OFFICES, DRT CLEANERS, ETC.) TARES TEMANOT A REDUCED PRESSURE
	(RFZ) THE BACKFLOW DEVICE NEEDS TO BE INSTALLED IN LIEU OF A DOUBLE CHEC
	MET IE AN DZZIS PEOLIDED TO BE INSTALLED DE ADDDOVAL EDOM THE ODANICE
	COUNTY HEALTH DEPARTMENT IS RECLURED
8	THE INSTALLATION OF THE BACKELOW PREVENTION DEVICE SHALL MEETING ALL ST
0.	NEW YORK DEPARTMENT OF HEALTH (NY DOH) REQUIREMENTS
9	IT IS UNLAWEUL TO REMOVE THIS DEVICE FOR ANY REASON UNLESS NY-DOH IS NOT
10	FACH BACKELOW PREVENTION DEVICE SHALL BE TESTED ANNUALLY BY A STATE OF
	YORK CERTIFIED TESTER.
11.	THE ROOM WHERE THE BACKFLOW PREVENTION DEVICE IS TO BE LOCATED HAS HE
	AND LIGHTING.

12. STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSURANCE UNDERWRITER APPROVAL. 13. ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIED VALVES.

14. THE DEVICE SHALL BE ADEQUATELY SUPPORTED AND/OR RESTRAINED TO PREVENT MOVEMENT. 15. MAINTAIN MIN. 12" CLEAR FROM REAR SIDE OF DEVICE TO ANY WALL OR OBSTRUCTION. 16. MAINTAIN MIN. 30" CLEAR FROM FRONT SIDE OF DEVICE TO ANY WALL OR OBSTRUCTION.

17. BETWEEN POINT OF ENTRY AND BACKFLOW DEVICE, PIPED MUST BE STENCILED "FEED TO BACKFLOW PREVENTER. DO NOT TAP OR CONNECT TO THIS LINE." AT 5' INTERVALS, AND AT WALL PENETRATION.

IEATING

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Mechanical Legend :

SUPPLY DUCT (UP & DOWN)

EXHAUST DUCT (UP & DOWN)

RETURN DUCT (UP & DOWN)

 -	ROUND AND SQUARE 4-WAY CEILING DIFFUSERS
	SQUARE 3-WAY CEILING DIFFUSERS
	SQUARE 2-WAY CEILING DIFFUSERS
	SQUARE 1-WAY CEILING DIFFUSERS
	LINEAR SLOT DIFFUSER
*	SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
	EXHAUST OR RETURN CEILING REGISTER OR GRILLE
	EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE
	(WALL TYPE)
	(WALL TYPE)
	VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
	STANDARD BRANCH SUPPLY OR
_	RETURN, NO SPLITTER (45° TAP)
ł	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
Ţ	
_	VANED ELBOW (SHORT RADIUS)
Ţ	STANDARD RADIUS ELBOW (LONG RADIUS); INSIDE RADIUS R TO BE EQUAL TO OR GREATER THAN W
৵ ⊣	
ł	NEW DOCT (INSIDE DIMENSIONS, WIDTH & DEPTH)
ł	FLEXIBLE DUCTWORK (INSULATED)
-{	MANUAL VOLUME DAMPER
ſ	
- -	FIRE DAMPER
- <u> </u> -{	COMBINATION FIRE SMOKE DAMPER
- <u> </u> -{	DUCT SMOKE DETECTOR
	TERMINAL UNIT TAG AIRFLOW (CUBIC FEET PER MINUTE)
	NATURAL GAS PIPING
	ECCENTRIC REDUCER OR INCREASER
	TOP CONNECTION, 45° OR 90°
	SIDE CONNECTION
	UNION
	PIPE UP PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW
	3-WAY MODULATING CONTROL VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE (PRV)
)	
)	AUTOMATIC BALANCE VALVE (CIRC. SETTER)
	FLEXIBLE PIPING CONNECTION
	WYE STRAINER W/ VALVE & HOSE CONN.
	INLINE PUMP
	THERMOMETER
	PRESSURE GAUGE
	DRAIN VALVE
	PRESSURE RELIEF VALVE

	Μ	echanical Notes:
_	1.	ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEF OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, OR OTHER ACCEPTABLE STANDARDS.
	2.	THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMEN WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIC COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURS THE CONTRACT.
	3.	THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRA
	4.	ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OV AND ENGINEER.
	5.	ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
	6.	A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY AND ARE REFLECTED ON HIS SUBMITTALS.
	7.	THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESS DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
	8.	ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN ST COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 MECHAN CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION COE NEW YORK STATE.
	9.	ALL HYDRONIC HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WI MINIMUM OF R-3 INSULATION. ALL JOINTS ARE TO BE COMPLETELY SEALI MINIMUM OF 6" BEYOND JOINT ENDS.
	10.	ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED PROPER INSTALLATION OF WORK.
	11.	ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VEI THROUGH MANUAL AIR VENTS.
	12.	TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYS WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY U FINAL APPROVAL OF SYSTEM IS OBTAINED.
	13.	SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTUR REQUIREMENTS.
	14.	INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
	15.	SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISAND AT HIGH POINTS OF THE PIPING SYSTEM.
	16.	INSTALL ALL HYDRONIC PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
	17.	THE ENTIRE HYDRONIC SYSTEM IS TO BE BALANCED TO WITHIN 10% OF SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REF AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO F ACCEPTANCE.
	18.	ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL (EX WHERE OTHERWISE SPECIFIED) WITH GAUGES, BRACING AND CONSTRUCTION ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OT AUTHORITIES HAVING JURISDICTION.
	19.	PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DEFOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAW EACH DAMPER SHALL BE OF THE OPPOSED BLADE DAMPER TYPE INSTALLED WIT OPERATOR AND LOCKING DEVICE. ALL DAMPERS LOCATED ABOVE HARE INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH REMOTE GEAR OPERATORS.
	20.	FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE I PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR SPECIFICALLY SHOWN. INSTALL DUCTWORK CASING ACCESS DOORS AND FRA AHEAD OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS S BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
	21.	INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHAL DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUA
	22.	ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTIO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLE THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES BLACK.
	23.	ALL SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES ABOVE CEILINGS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION. DUCTWORK LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE INSULATED A MINIMUM OF R-8 INSULATION. INSULATION SHALL BE FIBERGLASS DUCT WRAP VAPOR SEAL SECURELY TAPED AROUND DUCT. IF DUCT LINING IS TO BE USED DUCT SIZES SHOWN SHALL BE CONSIDERED TO BE INSIDE CLEAR DIMENSIONS.
	24.	INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
	25.	THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF SPECIFIED AIRFLOW REQUIREMENTS.
	26.	THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION P TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
	27.	THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSIL REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIP/ WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHED THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
	28.	CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" P TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS S ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.
	$\overline{\mathbf{N}}$	Iechanical Equipment:
	Ū	R PROGRAMMABLE THERMOSTAT TYPICAL OF WATTS RADIANT THERMOSTAT MODEL 519; PROVIDE W/ SLAB
	Ţ	SENSOR 079; MTD. @ 5'-0" A.F.F. PROGRAMMABLE THERMOSTAT TYPICAL OF HONEYWELL MODEL TH8321B1001: 7 DAY
		PROGRAMMABLE; MTD. @ 5'-0" A.F.F.
	MANU	AL AIR VENT — REDUCER. IF REQUIRED
	TEST	PLUG (TYP.)
UNION CONNEC (TYP.)		
	I.	↓

DRAIN WITH HOSE-CONNECTION Coil Piping Connection Detail

COIL

8 M101 Scale: None

UNION CONNECTIONS

AT VALVES; TYPICAL

- STRAINER

→ WATER SUPPLY

			-				EN	ERGY	RECO	VERY	VENTIL	ATO	R SCH	IEDU	JLE							
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUA	AL) MODEL	FRESH AIR FLOW RATE	EXHAUST AIR FLOW RATE	ROOM EXH	AIR (°F)	OUTSIDE AI	R (°F) S JMMER WI	SUPPLY AIR (NTER SUM	°F) IMER S	RECOVERY E ENSIBLE		INESS	мс			ATA Hz MCA M	WEIGH	IT		NOTES	
ERV-1	RENEWAIRE	HE1.5XINH	(CFM) 650	(CFM) 650	DB WB 70 25	DB WB D	B WB D	B WB DE	9 41.6 77.5	WB WINT	ER SUMMER % 77.2%	75.9%	R SUMME 62.7%	ER HP	FLA 4.4 20	08 1	60 9.9	15 504	FURNISH	I W/ MERV 8 F ED WALL VEN	ILTERS, 12" BA	ACKDRAFT DAMPERS, IME CLOCK & 4 kW
															x 2				ELECTRI	C DUCT HEAT	ER (208V, 3 PI	H., SCR, 12"x12")
							AIR	GRILI	LE/DIF	FUSER	SCHEI	DULE	4									
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)		MODEL		AIR DE TYI	VICE	AIRFLOW (MIN.	CFM) MAX MAX. DRC	AIR PRESS. DP (IN. W.C.)	MOUNTING	PANEL/FRAI (IN.)	ME SIZE	NECK SIZE (IN.)	E MAX NC	DAMPER	FINISH			NOTES			
D-1	KRUEGER	PLQ-6-I	=22-12x12-00-(00-44	SQUARE FACE DIF	PLAQUE FUSER	50	175	0.10	SURFACE MOUNT	12"x12	2"	6"Ø	20	OBD		-					
D-2 EG-1	KRUEGER	5DMGI 	DR-H-10-6-10-0 	01-81	SUPPLY 35° DEFL		0	200 125	0.10	DUCT MTD.	12"x8 D. 8"x8'		10"x6" 6"x6"	20	OBD -	ANOD. WHITE	- FURNISH & II		-SIZE INSULAT			
EG-2	KRUEGER	5DMGF	PR-H-10-6-10-0)1-81	DUCT MC EXHAUST	UNTED GRILLE	0	200	0.10	DUCT MTD.	12"x8	"	10"x6"	20	OBD	CLEAR ANOD.	-	IN OF GRIELE,			TELACI	
	MANUFAC						VER S	CHED														
TAG	QTY. (OR AC EQU	CEPT. M AL)		AIR DEVICE T	YPE WID	E HIGH	DEPTH	(SQ. FT.)	(CFM)	(FT./MIN.)		SCF	REEN F	TRD	NOTES							
CL-1	1 RUS	KIN ELC	6375DAX	LOUVER COMBINATIO LOUVER	ON 36'	30"	6"	3.17	2,000	630.9	METAL WAL		ES	TBD	1, 2, 3 & 4							
1. COLOR 2. FURNIS	TO BE COORDINATEI H WITH INSECT-SCRE	D WITH OWNER I EEN OPTION.	BEFORE ORD	ERING			1	3. FUF 4. FUF	RNISH W/ PRO RNISH W/ 120	DPER MOUNT	NG HARDWARI DR.	Ξ.										
					EV	'HAIIS'	Γ FAN	SCHE	DIIIE													
EQUIPMEN	T MANUFAG	CTURER	MODEL	SER		FAN RI	EX.	TERNAL STAT		МОТО	R	REMA	ARKS				-					
EF-1	LOREN	СООК	150SQ17D	GARAGE	EXHAUST	2,000 1,	298	INCH H ₂ O 0.30	1.0 H	P 208	PHASE HZ	FURN	IISH W/ BAG	CKDRAFT	DAMPER &	/FD	-					
			000		# OF	ION SC		ULE calculated		ED FA CE	M FA CEM	MIN. EA	EA									
SYSTEM	SPACE SERVED SP/		Q. FT.)	1000 SQ. O(FT.	CUPANTS F NOTE 1)	ERSON S	GQ. FT.	/ENTILATION RATE (CFM)	VENTILAT RATE (CI	TION PER FM) FIXTUI	PER SQ. RE FT.	RATE (CFM)	PROVIDE (CFM)	ED								[
	BAY 1-3 G BAY 4 G	GARAGE 1 GARAGE 1 GARAGE	,885 710	-	-	-	0.12	226.2 85.2	250 100	-	0.75	1413.8 532.5	1450 550	_								I
ERV-1	TOILET T1 BA		85	-	-	-	-	-	75	75	-	75	75									
	TOILET T2 BA		65 65	-	-	-	-	-	75	75	-	75 75	75	-								
	TOILET 101A BA	THROOM	85	-	-	-	-	-	75	75	-	75	75									I
							GAS		HEAT	ER SCH	FDITE	Ţ.										
FOLIIPMENT	MANUFACTURER			AREA OF	TOTAL		Н	EATING CAP	ACITY			ELECTRI	ICAL DATA		тот	AL						
TAG	(OR ACCEPT. EQUAL)	MODE	E E	3UILDING SERVED	AIRFLOW (CFM)	GAS INPU (MBH)	T OUTF (MB	PUT E.A.T	. Db L.A.T. D ;) (°F)	Db AFUE (%)	FAN MOTOR HP	UNI VOLT. PH	T POWER CON HASE Hz.	FLA	WEIG MOCP (LE	GHT 3)		NOTES				l
UH-1	REZNOR	UBZ60)	BAYS	1012	60.0	49.	2 50	.0 125.0	82	1/3	120	1 60	7.1	15 10	3 FURN CON	IISH W/ HEATIN /ERSION KIT; M	ig thermos" Aount unit (TAT & PROPA @ 10'-0" A.F.F.	NE		
							OT W	'ATER	UNIT	HEATE	ER SCHE	EDUL	Æ									
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MOD	EL	AIRFLOW (CFM)	EFT (°F)	FT CAPAC °F) (MB	CITY E.A.T. H) (°F	DB L.A.T. I) (°F)	DB FPD (FT)	FLOW RATE (GPM) No	DM. H.P. VO	MO LT. PHA	NTOR	RPM	FLA		NO	TES				
UH-2	STERLING	HS-6	60	900	160	140 31.	2 60	105	0.17	4.4	1/20 12	20 1	60	-	1.4 P	ROPERLY S RANSFORM	UPPORT FROM ER, FAN GUAR	1 STRUCTURE D & DISCONNI	E ABOVE; PRO ECT SWITCH	VIDE W/ CONT	FROL	
EQUIPMENT		MODEL		TION			/ATEF	R PUM	P SCHE	EDULE			MOTOR				NOTES					
EQUIPMENT TAG CP-1	MANUFACTURER (OR ACCEPT. EQUAL) GRUNDEOS	MODEL	LOCA	TION AR	EA SERVED	HOT W PUMP TYPE IN-I INF	ATER FLUID	CIRCUL G.P.M.	P SCHE ATING FLUID HEAD (FT.) 15.0	EDULE TEMP. (°F) 160	NOM. H.P.	VOLT.	MOTOR PHASE	HZ.	RPM FL/	A FIIR		LER				
EQUIPMENT TAG CP-1 CP-2	MANUFACTURER (OR ACCEPT. EQUAL) GRUNDFOS GRUNDFOS	MODEL UPMXL UPMXI	LOCA MECHA ROC MECHA	TION AR NICAL BO NICAL BO	EA SERVED ILER PUMP ILER PUMP	HOT W pump type in-line in-linf	ATER Fluid Hot wat	CIRCUL G.P.M. ER 14.7	P SCHE ATING FLUID HEAD (FT.) 15.0	EDULE TEMP. (°F) 160 160	NOM. H.P. -	VOLT. 120 120	MOTOR PHASE 1	HZ. 60 60	RPM FL/ 1160 1.4 1160 1.4	FUR	NOTES NISHED W/ BOII	LER				
EQUIPMENT TAG CP-1 CP-2 CP-3	MANUFACTURER (OR ACCEPT. EQUAL) GRUNDFOS GRUNDFOS GRUNDFOS	MODEL UPMXL UPMXL MAGNA3 32-	LOCA MECHA ROC MECHA ROC 60F MECHA	TION AR NICAL BO NICAL BO NICAL UNI	EA SERVED	HOT W PUMP TYPE IN-LINE IN-LINE	ATER FLUID HOT WAT	CIRCUL G.P.M. ER 14.7 ER 14.7 ER 14.7	P SCHE ATING FLUID HEAD (FT.) 15.0 15.0 18.0	EDULE TEMP. (°F) 160 160	NOM. H.P. - -	VOLT. 120 120 120	MOTOR PHASE 1 1 1	HZ. 60 60 60	RPM FL/ 1160 1.4 1160 1.4 VARI. 1.0		NOTES NISHED W/ BOII NISHED W/ BOII					
EQUIPMENT TAG CP-1 CP-2 CP-3 CP-4	MANUFACTURER (OR ACCEPT. EQUAL) GRUNDFOS GRUNDFOS GRUNDFOS GRUNDFOS	MODEL UPMXL UPMXL MAGNA3 32-1	LOCA MECHA ROC MECHA ROC 60F MECHA ROC 60F MECHA	TION AR NICAL BO NICAL BO NICAL UNI NICAL UNI	EA SERVED ILER PUMP ILER PUMP T HEATERS CTION PUMP	HOT W PUMP TYPE IN-LINE IN-LINE IN-LINE	ATER FLUID HOT WAT HOT WAT	CIRCUL G.P.M. ER 14.7 ER 14.7 ER 13.2 ER 3.8	P SCHE ATING FLUID HEAD (FT.) 15.0 15.0 18.0 5.0	EDULE TEMP. (°F) 160 160 160	NOM. H.P. - -	VOLT. 120 120 120 120	MOTOR PHASE 1 1 1 1	HZ. 60 60 60	RPM FL/ 1160 1.4 1160 1.4 VARI. 1.0		NOTES NISHED W/ BOII NISHED W/ BOII IABLE SPEED E					
EQUIPMENT TAG CP-1 CP-2 CP-3 CP-4 CP-5	MANUFACTURER (OR ACCEPT. EQUAL) GRUNDFOS GRUNDFOS GRUNDFOS GRUNDFOS GRUNDFOS	MODEL UPMXL UPMXL MAGNA3 32-4 MAGNA3 32-4 ALPHA1 26-5	LOCA MECHA ROC MECHA ROC 60F MECHA ROC 60F MECHA ROC	TION AR NICAL BO NICAL BO NICAL BO NICAL UNI NICAL INJE	EA SERVED	HOT W PUMP TYPE IN-LINE IN-LINE IN-LINE IN-LINE	ATER FLUID HOT WAT HOT WAT HOT WAT	CIRCUL G.P.M. ER 14.7 ER 14.7 ER 13.2 ER 3.8 ER 1.0	P SCHE ATING FLUID HEAD (FT.) 15.0 15.0 18.0 5.0 3.1	EDULE TEMP. (°F) 160 160 160 125	NOM. H.P. - - - -	VOLT. 120 120 120 120 120	MOTOR PHASE 1 1 1 1 1 1	HZ. 60 60 60 60	RPM FL/ 1160 1.4 1160 1.4 VARI. 1.0 VARI. 1.0 VARI. 1.0 VARI. 1.0		NOTES NISHED W/ BOII NISHED W/ BOII IABLE SPEED E IABLE SPEED E					
EQUIPMENT TAG CP-1 CP-2 CP-3 CP-4 CP-5 CP-6	MANUFACTURER (OR ACCEPT. EQUAL) GRUNDFOS GRUNDFOS GRUNDFOS GRUNDFOS GRUNDFOS GRUNDFOS	MODEL UPMXL UPMXL MAGNA3 32- ALPHA1 26-S MAGNA3 32-	LOCA MECHA ROC MECHA ROC 60F MECHA ROC 60F MECHA ROC 99F MECHA ROC	TION AR NICAL BO NICAL BO NICAL BO NICAL UNI NICAL UNI NICAL RAI DM	EA SERVED ILER PUMP ILER PUMP ILER PUMP T HEATERS CTION PUMP DIANT ZONE RM-1	HOT W PUMP TYPE IN-LINE IN-LINE IN-LINE IN-LINE	ATER FLUID HOT WAT HOT WAT HOT WAT HOT WAT	CIRCUL G.P.M. ER 14.7 ER 13.2 ER 3.8 ER 1.0 ER 5.5	P SCHE ATING FLUID HEAD (FT.) 15.0 15.0 18.0 5.0 3.1 6.2	EDULE TEMP. (°F) 160 160 160 125 125	NOM. H.P. - - - -	VOLT. 120 120 120 120 120 120	MOTOR PHASE 1 1 1 1 1 1 1 1 1	HZ. 60 60 60 60	RPM FL/ 1160 1.4 1160 1.4 VARI. 1.0 VARI. 1.0 VARI. 1.7 VARI. 1.0		NOTES NISHED W/ BOII NISHED W/ BOII IABLE SPEED E IABLE SPEED E					

	CONDENSING BOILER SCHEDULE											
EQUIPMENT TAG	MANUFACTURER	MODEL INPUT (MBH)		(MBH) MAX.	THERMAL EFFICIENCY	OUTPUT (MBH)	NET AHRI RATING (MBH)	TURNDOWN RATIO	REMARKS			
CB-1 & CB-2	& CB-2 LOCHINVAR		15.5	155	95%	144	125	10:1	FURNISH W/ ADD'L HIGH LIMIT &			

3/4" HWS TO RM-3	
1" HWS TO RM-2	<u>}</u>
1/2" HWS TO RM-1	

1/2" HWR FROM RM-1	,
1" HWR FROM RM-2	}+
3/4" HWR FROM RM-3	,

1 Hot Water System Piping Diagram M102 N.T.S.

/— 1-1/4" HWR

NO. 02-001

- ADD ALTERNATE

Mechanical Plan M201 Scale: 1/4" = 1'-0"

Hydronic Plan 2 M201 Scale: 1/4" = 1'-0"

ADD ALTERNATE NO. 02-001

			LIC	GHTING F	[IXTU]	RE SCH	EDUL
TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURI WATTS
A	(A)	HE WILLIAMS HIGH BAY LED GLN-4-L150/84-DRV-UNV	LED	120	1	101.2	101.2
В	B	HE WILLIAMS HIGH BAY LED GLN-4-L63/84-DRV-UNV	LED	120	1	42.3	42.3
С		HE WILLIAMS LED WRAP 17-4-L55/840-AF-DRV-UNV	LED	120	1	42.3	42.3
D		HE WILLIAMS LED WALLPACK WPCS-L44/840-BZ-PC-DIM-UNV	LED	120	1	42	42
F	۲	HUBBELL LIGHTING LED EMERGENCY WALL PACK CUSO4DB-H-ND	LED	120	1	3.4	3.4
-	₽	HE WILLIAMS LED EMERGENCY LIGHT EMER/LED-WHT-SDT-D	LED	120	2	1.0	2.0
-	€®	HE WILLIAMS LED EXIT & EMERGENCY LIGHT EXIT/EM/LED-R-WHT-RC-SDT-D	LED	120	2	3	6

120/208V 3Ø 4W+G, 22 kAIC			-	BUS	RATING	225A			
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	COND
			1	1.03			2		
ERV	(2) #12 CU & (1) #12 GND.	15	3	0.36	1.03		4	15	(2) #12 CU 8
WATER HEATER	(2) #12 CU & (1) #12 GND.	20	5		0.00	0.53	6		
OVERHEAD DOOR	(2) #12 CU & (1) #12 GND.	15	7 9	0.50 0.50	0.50		8 10	15	(2) #12 CU 8
			11		0.50	0.50	12		
OVERHEAD DOOR	(2) #12 CU & (1) #12 GND.	15	13	0.50		0.50	14	15	(2) #12 CU 8
BOILER CB-1	(2) #12 CU & (1) #12 GND.	20	15	0.30	0.50		16	20	(2) #12 CU 8
MIXING STATION	(2) #12 CU & (1) #12 GND.	20	17		0.00	1.20	18	20	(2) #12 CU 8
GAS DETECTION SYSTEM	(2) #12 CU & (1) #12 GND.	15	19	0.18			20	20	(2) #12 CU 8
LIGHTS	(2) #12 CU & (1) #12 GND.	20	21		0.91		22	20	(2) #12 CU 8
LIGHTS	(2) #12 CU & (1) #12 GND.	20	23			0.17	24	20	(2) #12 CU 8
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	25	0.36 0.36			26	20	(2) #12 CU 8
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	27	ſ	0.36 0.36		28	20	(2) #12 CU 8
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	29			0.36 0.36	30	20	(2) #12 CU 8
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	31	0.54 0.36			32	20	(2) #12 CU 8
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	33	ſ	0.18 0.18		34	20	(2) #12 CU 8
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	35			0.18 0.92	36	15	(2) #12 CU 8
UNIT HEATER	(2) #12 CU & (1) #12 GND.	15	37	0.92 0.92			38	15	(2) #12 CU 8
ELECTRIC WALL HEATER	(2) #12 CU & (1) #12 GND.	20	39		1.5		40	20	(2) #12 CU 8
ELECTRIC WALL HEATER	(2) #12 CU & (1) #12 GND.	20	41			1.5	42	20	(2) #12 CU 8
			43	1.33			44	20	
ELECTRIC DUCT HEATER	(3) #12 CU & (1) #12 GND.	15	45		1.33		46	20	
			47			1.33	48	20	
SPARE	-	20	49	• /			50	20	
SPARE	-	20	51		• / •		52	20	
SPARE	-	20	53			- /-	54	20	
SQUARE 'D' NQ PANELBOAF	RD W/ BOLT ON BREAKERS	_	_	8.75	10.24	10.49	29.4	18 kVA	TOTAL

ADD ALTERNATE —— NO. 04-001

E101

New Panelboard PP-1 Scale: None

225A MAIN CIRCUIT BREAKER

Typical Conduit Trench Detail 2 **E101** N.T.S.

ELEC	CTRICAL LEGEND:			
Ø	MOTOR			
Ţ	EARTH GROUND			
Ō	JUNCTION BOX			
РВ	PULL BOX			
	FUSE WITH RATING			
\bigcirc	MOLDED CASE CIRCUIT BREAKER			
47	DISCONNECT SWITCH, FUSED			
- -	DISCONNECT SWITCH, UNFUSED			
4	STARTER, COMBINATION WITH DISCONNECT SWITCH			
	STARTER OR MOTOR CONTROLLER			
M	METER			
⊜	20Α 120Υ DUPLEX CEILING MOUNTED RECEPTACLE			
÷	20A 120V DUPLEX WALL MOUNTED RECEPTACLE; 18" A.F.F. UNLESS OTHERWISE NOTED			
#	20A 120V DUPLEX WALL MOUNTED RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER			
#	20A 120V QUADRAPLEX RECEPTACLE			
-0	WALL MOUNTED SPECIAL PURPOSE RECEPTACLE			
€USB	20A 120V WALL MOUNTED USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL			
₽F	FLOOR BOX WITH STAINLESS COVER TYPICAL OF LEW EECTRIC #OB-1-SP OR ACCEPTABLE EQUAL; PUSH BUTTON OPEN; FULLY IP66 RATED WATER PROOF (WHEN IN CLOSED POSITION); W/ 20A 125V E60120 GFCI RECEPTACLE (UNLESS OTHERWISE NOTED)			
∇^{W}	WALL PHONE OUTLET MTD. 48" A.F.F.; 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD			
\diamond	WALL BOX FOR TELEVISION CONNECTION; 1-1/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD			
Ψ	TELEPHONE/DATA COMMUNICATION BOX W/ (2) 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD; NO FACE PLATE			
ŧ	BRANCH CIRCUIT HOMERUN; LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS; ONE SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN			
\$2	SWITCH BLANK = SINGLE POLE 3 = THREE-WAY D = DIMMER P = WITH PILOT LIGHT T = TIMER OPERATED X = EXPLOSION PROOF	2 = DOUBLE POLE 4 = FOUR-WAY K = KEY OPERATED PB= PUSH BUTTON WP= WEATHER PROOF OC= OCCUPANCY SENSOR		
OS	DUAL TECHNOLOGY OCCUPANCY S	ENSOR		
DS	DAYLIGHT SENSOR			
$\boxtimes \triangleleft$	HORN/STROBE DEVICE, ONE ASSEMBLY; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED			
\boxtimes	STROBE DEVICE; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED			
$\langle \rangle$	MANUAL PULL STATION; MTD. 48" A.F.F.			
	WATER FLOW SWITCH			
	VALVE TAMPER SWITCH			
Øx	DETECTOR; LETTER INDICATES AS FOLLOWS: BLANK = SMOKE DETECTOR P = PHOTOELECTRIC SMOKE M = MULTIPLE STATION SMOKE ALARM D = PHOTOELECTRIC DUCT SMOKE DETECTOR FSD = DUCT SMOKE DETECTOR FOR FIRE SMOKE DAMPER			
$ H_{R} $	RATE OF RISE HEAT DETECTOR, 135°F			
\odot	CARBON MONOXIDE DETECTOR			
FACP	ADDRESSABLE FIRE ALARM CONTROL PANEL			
FAAP	FIRE ALARM ANNUNCIATOR PANEL			
RTS	REMOTE TEST SWITCH & LED FOR DUCT SMOKE DETECTORS			

R

FIRE ALARM RELAY

ELECTRICAL NOTES:

- 1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- 2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- 3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- 4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- 5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- 6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
- 7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- 8. EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
- 9. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2015 NATIONAL ELECTRIC CODE, 2020 BUILDING CODE OF NEW YORK STATE, 2020 FIRE CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- 10. ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED FULLY LAMPED AND OPERABLE. THE CONTRACTOR SHALL TURN OVER TO THE OWNER SPARE LAMPS OF EVERY TYPE ON THE PROJECT IN AN AMOUNT NOT LESS THAN 20% OF THE TOTAL NUMBER OF EACH TYPE (MINIMUM 1 PER TYPE).
- 11. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL UTILITY COMPANY AND/OR THE TELEPHONE COMPANY. ALL WORK INVOLVING THE UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
- 12. ALL CONDUCTORS SHALL BE COPPER, SHALL NOT BE LESS THAN #12 AWG, AND SHALL NOT EXCEED 70 FEET FROM PANEL BOARD TO FURTHEST CONNECTION UNLESS OTHERWISE NOTED ON PLANS.
- 13. LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS. 14. CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH & INSTALL ALL SMALL
- DETAILS AND INCIDENTAL WORK NOT SHOWN OR SPECIFIED, BUT WHICH CAN BE REASONABLY INFERRED AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OF HIGH QUALITY MEETING ALL APPLICABLE CODES AND REGULATIONS.
- 15. FOR EACH NEW OR MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT ALL CIRCUITING. ADDITIONALLY, THE CONTRACTOR SHALL LABEL (WITH A PERMANENT MARKER OR LABEL) EACH RECEPTACLE ON THE INSIDE OF EACH FACE PLATE WITH PANEL AND CIRCUIT NUMBER DESIGNATION.
- 16. MINIMUM REQUIREMENT FOR EQUIPMENT GROUNDING SHALL BE GOVERNED BY THE NEC. ALL GROUNDS, BONDING, ETC. SHALL MEET THESE REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS.
- 17. ALL CONDUIT AND CABLE SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- 18. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, WIRING, DEVICES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- 19. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.

	WIRE COLOR CODING TABLE							
PHASE	WIRES	VOLTAGE	L1	L2	L3	NEUTRAL	(
1	2 (1)	120	BLACK	-	-	WHITE		
1	2 (1)	208	BLACK	RED	-	-		
1	3	120	BLACK	-	-	WHITE	Ċ	
1	3	208	BLACK	RED	-	-	Ċ	
3	4	208	BLACK	RED	BLUE	-	Ċ	
3	5	208	BLACK	RED	BLUE	WHITE	Ċ	
1	3	277	BROWN	-	-	GRAY	Ċ	
1	3	480	BROWN	ORANGE	-	-	C	
3	4	480	BROWN	ORANGE	YELLOW	-	Ċ	
3	5	480	BROWN	ORANGE	YELLOW	GRAY	C	

NOTES: FOR DOUBLE INSULATED EQUIPMENT ONLY. GREEN/YELLOW MAY BE USED:

- GREEN/YELLOW SHALL BE GREEN WITH ONE OR MORE YELLOW STRIPES. - GREEN = 50 TO 70%, YELLOW = 50 TO 30%. - GREEN/YELLOW IS THE ONLY COLOR INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR.

- GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.

DEVICE MOUNTING HEIGHTS				
POWER RECEPTACLES (INTERIOR)	18" A.F.F.			
POWER RECEPTACLES (EXTERIOR)	36" A.F.G.			
POWER RECEPTACLES (@ COUNTER)	44" A.F.F.			
LIGHT SWITCHES	44" A.F.F. TO TOP OF			
DISCONNECT SWITCHES	SEE NEC 404.8(A)			
TELEPHONE/DATA RECEPTACLES	18" A.F.F.			
TELEPHONE/DATA RECEPTACLES (@ COUNTER)	44" A.F.F.			
WALL TELEPHONE RECEPTACLES	48" A.F.F. TO TOP OF			
FIRE ALARM PULL STATIONS	42" A.F.F. MIN./44" A.F			
FIRE ALARM AUDIO/VISUAL DEVICES	80" A.F.F. MIN./96" A.F			
EXIT LIGHTS (WALL MOUNTED)	12" ABOVE DOOR			
EMERGENCY LIGHTS (WALL MOUNTED)	90" A.F.F.			
TV & A/V OUTLETS	18" A.F.F.			
NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWIS				

Lighting Plan E201 Scale: 1/4" = 1'-0"

LIGHTING CONTROL SEQUENCE OF OPERATION -STORAGE BAYS FIXTURE MOUNTED OCCUPANCY SENSOR(S) TO BE USED FOR AUTO-ON/OFF OF EACH FIXTURE AFTER 20 MIN. TIME DELAY.

LOCAL WALL SWITCH TO BE USED FOR MANUAL ON/OFF OVERRIDE FOR 15 MIN.

