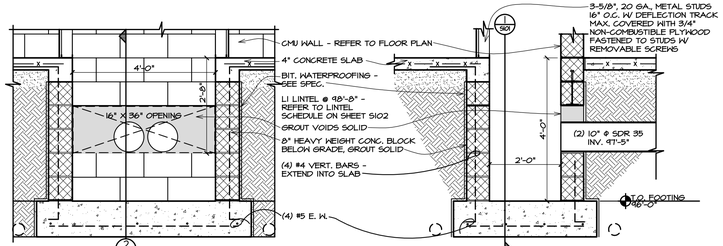



1 S01 ACCESS PIT @ PIPE CHASE
SCALE: 1/2"=1'-0"

2 S01 ACCESS PIT @ PIPE CHASE
SCALE: 1/2"=1'-0"

## FOOTING SCHEDULE

| NO. | FOOTING SIZE | FOOTING REINF. | PIER SIZE | PIER REINF. | PIER TIES | BEARING PLATES | REMARKS |
|---|---|---|---|---|---|---|---|
| F4 | 4'-0"x4'-0"x1'-0" | (4) #5 E.W. | | | | SEE DET. #3/S401 | |
| F1 | 7'-0"x7'-0"x1'-4" | (7) #6 E.W. | | | | SEE DET. #3/S401 | |
| W16 | 8"x16" CONT. | (2) #5 CONT. | | | | | |
| W24 | 12"x24" CONT. | (2) #5 CONT. | | | | | |
| WB6 | 1'-0"x36"xCONT. | (3) #5 CONT. | | | | | |
| W60 | 1'-2"x5'-0" CONT. | SEE #4/S502 | | | | | |
| WT2 | 1'-2"x6'-0" CONT. | SEE #8/S502 | | | | | |
| W86 | 1'-4"x8'-0" CONT. | SEE #7/S502 | | | | | |
| W105 | 1'-6"x8'-9" CONT. | SEE #6/S502 | | | | | |

## STRUCTURAL NOTES

GENERAL

THE STRUCTURAL STEEL AND MASONRY WALLS HAVE BEEN DESIGNED TO RELY UPON THE ROOF AND FLOOR SYSTEMS FOR STABILITY. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL STRUCTURAL STEEL AND MASONRY WALLS UNTIL THE ROOF DECK, PERMANENT BRACING, AND FLOOR SLABS HAVE BEEN INSTALLED AND THESE ELEMENTS ARE INTERCONNECTED ACCORDING TO THE DRAWINGS.

EARTHWORK

CONTRACTOR SHALL PERFORM THE FOUNDATION SUB-SURFACE PREPARATION DESCRIBED IN THE RECOMMENDATIONS SECTION OF THE SPECIFICATIONS-EARTHWORK SECTION.

ALL FILL REQUIRED SHALL BE COMPACTED PER THE RECOMMENDATIONS IN THE SOIL REPORT IN THE SPECIFICATIONS PREPARED BY;
GTL ENGINEERING, INC.
3085 INTERSTATE PARKWAY
BRUNSWICK, OH 44212
PHONE: (330) 220-8400
FAX: (330) 220-8444

FIELD TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE FREQUENCY REQUIREMENTS CONTAINED IN THE SPECIFICATIONS.

ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED. REFER TO SOIL REPORT FOR ADDITIONAL INFO.

FOOTINGS AND SLABS

FOOTINGS SHALL REST ON UNDISTURBED SOIL OR ON COMPACTED APPROVED FILL CLASSIFIED AS SP OR SDW UNDER THE UNIFIED SOIL CLASSIFICATION SYSTEM. FOUNDATION SUB GRADE SHALL HAVE A MAXIMUM BEARING PRESSURE OF 2,200 PSF FOR PADS AND 2,200 PSF FOR WALL FOOTINGS. SOIL BEARING CAPACITY SHALL BE VERIFIED BY FIELD TESTING PRIOR TO PLACEMENT OF ANY CONCRETE FOUNDATIONS.

SLABS ON GRADE SHALL BE PLACED ON PREPARED SUB GRADE IN ACCORDANCE W/ THE RECOMMENDATIONS OF THE SOIL REPORT. PROVIDE 6x6, W1.4x W1.4 WWM REINFORCEMENT UNLESS INDICATED OTHERWISE ON THE DRAWINGS. PLACE FABRIC A MIN. OF 1-1/2" AND A MAX. OF 2" BELOW TOP OF SLAB. OVERLAP LENGTH FOR SPLICES SHALL BE NO LESS THAN 8" MEASURED BETWEEN THE OUTERMOST CROSS WIRES OF EACH FABRIC SHEET.

CONCRETE & STEEL

CONC. SHALL HAVE A MIN. 28 DAY COMPRESSIVE CYLINDER STRENGTH, f'c's 4,000 PSI

REINFORCING BARS: ASTM A615 GRADE 60, DEFORMED WELDED WIRE FABRIC: ASTM A 185

DEPRESS FOUNDATION WALL 8" @ DOORS

INSTALL AND COVER ALL CONCRETE REINFORCING AS PER CURRENT "ACI" CODES.

STEEL ROOF DECK : SEE ROOF FRAMING PLAN

MASONRY

CONCRETE MASONRY UNITS, WALLS AND ERECTION SHALL CONFORM TO SPECS. FOR DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY BY "NATIONAL CONCRETE ASSOCIATION" AND ASTM C-90, w/ MIN. COMPRESSIVE PRISM STRENGTH OF 1900 PSI FOR ABOVE GRADE APPLICATIONS.

MORTAR FOR CONCRETE & MASONRY SHALL CONFORM TO ASTM C 270, TYPE M, MIN. COMPRESSIVE STRENGTH OF 2500 PSI FOR BELOW GRADE APPLICATIONS AND TYPE S, MIN. COMPRESSIVE STRENGTH OF 1800 PSI FOR ABOVE GRADE APPLICATIONS.

PROVIDE CONT. BOND BEAMS w/ REINF. IN ALL MASONRY WALLS. PROVIDE BENT BARS FOR CONT. BOND BEAMS AROUND WALL CORNERS.

GROUT FOR BOND BEAMS & TO FILL CORES OF WALLS SHALL CONFORM TO ASTM C 476 w/ MIN. COMP. CYLINDER STRENGTH OF 2500 PSI @ 28 DAYS. GROUT SHALL BE RODDED &/OR VIBRATED TO INSURE COMPLETE FILLING OF CORES.

HORIZONTAL JOINT REINF. TRUSS TYPE SHALL BE PLACED @ 16" O.C. IN ALL MASONRY WALLS. WIRES SHALL BE 9 GA. CONFORMING TO ASTM A-82. PREFAB. CORNER SECTIONS SHALL BE USED AT ALL MASONRY WALL CORNERS.

NO MASONRY SHALL BE LAID WHEN OUTSIDE TEMPERATURE IS BELOW 40 DEGREES F° UNLESS METHODS APPROVED BY ARCHITECT ARE USED DURING CONSTRUCTION TO PREVENT DAMAGE TO THE MASONRY.

ALL STEEL BEAMS & PRECAST CONC. LINTELS TO BEAR A MIN. OF 8" ON MASONRY UNLESS NOTED ON DRAWINGS. FILL CORES OF BLOCK UNDER BEAM BEARING POINTS w/ CONCRETE 2'-0" WIDE TO FOOTING.

GENERAL DESIGN LOADS

GROUND SNOW LOAD = 20 PSF
ROOF SNOW LOAD = 20 PSF
DEAD LOAD = 15 PSF
FLOOR LIVE LOAD = 125 PSF
BASIC WIND SPEED = 90 MPH
BUILDING CATEGORY= II
DESIGN WIND PRESSURE (MWFRS) = 20 PSF
WIND IMPORTANCE FACTOR (I) = 1.0
WIND EXPOSURE CATEGORY = C
INTERNAL PRESSURE COEFFICIENTS (GCPI) = +/- 0.18

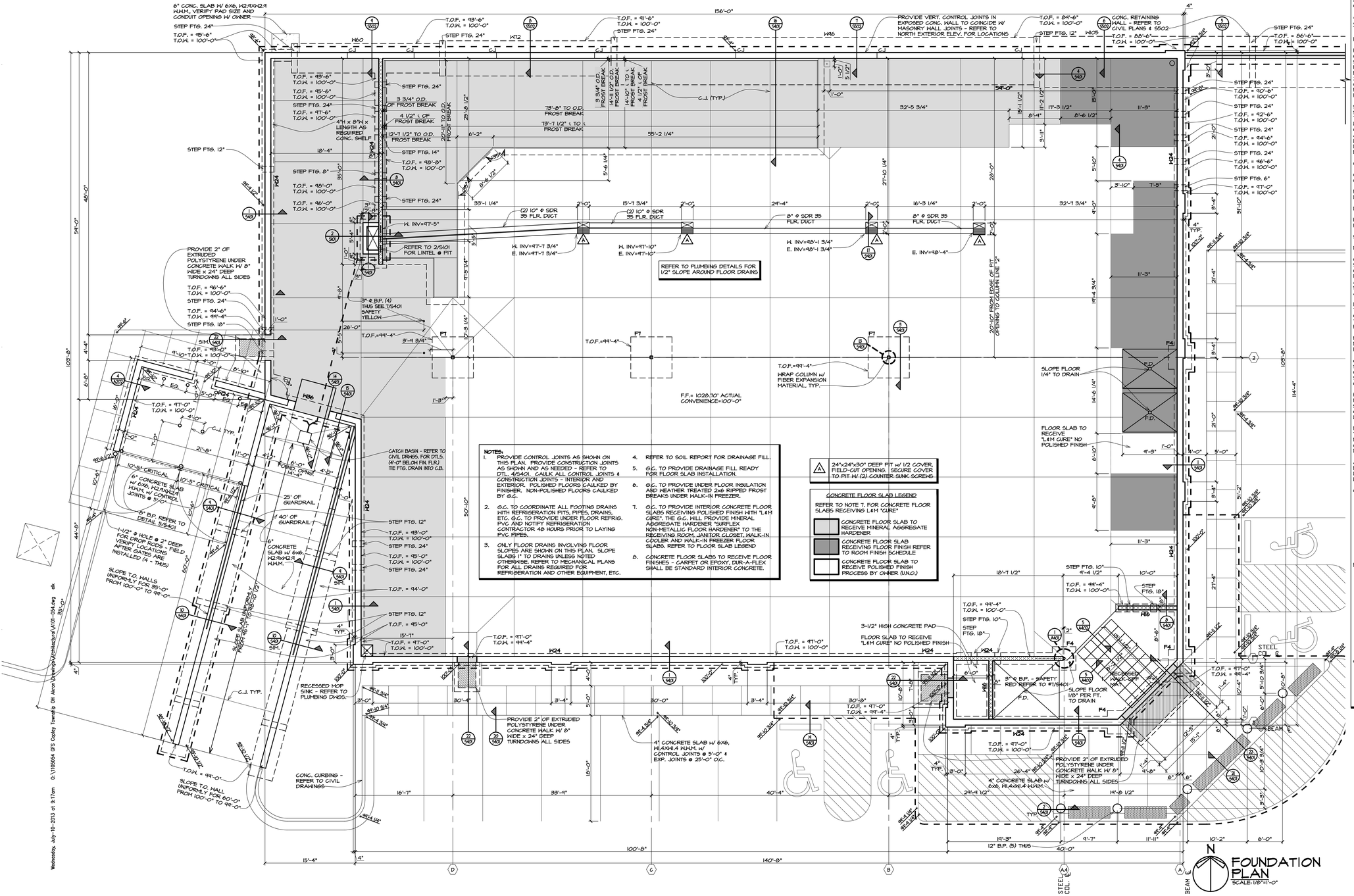
EARTHQUAKE DESIGN DATA

SEISMIC GROUP- I
SPECTRAL RESPONSE COEFFICIENT Sos = 0.166
Sos = 0.091

SITE CLASS- D
SEISMIC FORCE RESISTING SYSTEM= INTERMEDIATE REINFORCED MASONRY SHEAR WALLS (R=3.5)
DESIGN BASE SHEAR= 25.200#
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
SIESMIC IMPORTANCE FACTOR = 1.0
Ss = 0.18
S1 = 0.06
Cs = 0.06
R = 3.5

GENERAL ABBREVIATIONS

T.O.W.= TOP OF WALL
T.O.F.= TOP OF FOOTING
T.O.S.= TOP OF STEEL
F.F.= FINISHED FLOOR
J.B.= JOIST BEARING ELEVATION
C.J.= CONTROL JOINT




NOTES:
1. PROVIDE CONTROL JOINTS AS SHOWN ON THIS PLAN. PROVIDE CONSTRUCTION JOINTS AS SHOWN AND AS NEEDED - REFER TO DTL. 4/S401. CAULK ALL CONTROL JOINTS & CONSTRUCTION JOINTS - INTERIOR AND EXTERIOR. POLISHED FLOORS CAULKED BY FINISHER. NON-POLISHED FLOORS CAULKED BY G.C.
2. G.C. TO COORDINATE ALL FOOTING DRAINS WITH REFRIGERATION PITS, PIPES, DRAINS, ETC. G.C. TO PROVIDE UNDER FLOOR REFRIG. PVC AND NOTIFY REFRIGERATION CONTRACTOR 48 HOURS PRIOR TO LAYING PVC PIPES.
3. ONLY FLOOR DRAINS INVOLVING FLOOR SLOPES ARE SHOWN ON THIS PLAN. SLOPE SLABS 1" TO DRAINS UNLESS NOTED OTHERWISE. REFER TO MECHANICAL PLANS FOR ALL DRAINS REQUIRED FOR REFRIGERATION AND OTHER EQUIPMENT, ETC.
4. REFER TO SOIL REPORT FOR DRAINAGE FILL.
5. G.C. TO PROVIDE DRAINAGE FILL READY FOR FLOOR SLAB INSTALLATION.
6. G.C. TO PROVIDE UNDER FLOOR INSULATION AND WEATHER TREATED 2x6 RIPPED FROST BREAKS UNDER WALK-IN FREEZER.
7. G.C. TO PROVIDE INTERIOR CONCRETE FLOOR SLABS RECEIVING POLISHED FINISH WITH "L4M CURE", THE G.C. WILL PROVIDE MINERAL AGGREGATE HARDENER "SURFLEX NON-METALLIC FLOOR HARDENER" TO THE RECEIVING ROOM, JANITOR CLOSET, WALK-IN COOLER AND WALK-IN FREEZER FLOOR SLABS. REFER TO FLOOR SLAB LEGEND
8. CONCRETE FLOOR SLABS TO RECEIVE FLOOR FINISHES - CARPET OR EPOXY, DUR-A-FLEX SHALL BE STANDARD INTERIOR CONCRETE.

△ 24"x24"x30" DEEP PIT W/ 1/2 COVER, FIELD-CUT OPENING. SECURE COVER TO PIT W/ (2) COUNTER SUNK SCREWS

CONCRETE FLOOR SLAB LEGEND

REFER TO NOTE 7, FOR CONCRETE FLOOR SLABS RECEIVING L4M "CURE"

- CONCRETE FLOOR SLAB TO RECEIVE MINERAL AGGREGATE HARDENER
- CONCRETE FLOOR SLAB RECEIVING FLOOR FINISH REFER TO ROOM FINISH SCHEDULE
- CONCRETE FLOOR SLAB TO RECEIVE POLISHED FINISH PROCESS BY OWNER (U.N.O.)

N

1 S01 FOUNDATION PLAN
SCALE: 1/8"=1'-0"

ARCHITECTS • CIVIL ENGINEERS
paradigm design
550 3 MILE N.W.
SUITE B
GRAND RAPIDS, MI 49544
PHONE (616) 785 - 5656
FAX (616) 785 - 5657
WEB ParadigmAE.com

PROJECT

GFS MARKETPLACE

COPLEY TOWNSHIP

TEMP 120 ROTHROCK ROAD
AKRON, OH

BLDG OWNER:

GFS MARKETPLACE REALTY FIVE, LLC

P.O. BOX 1812
GRAND RAPIDS, MI

RELEASE DATE

| | |
|---|---|
| 4-23-12 | OWNER REVIEW |
| 4-27-12 | FOR PERMITS & CONSTRUCTION |
| 5-21-12 | FOR PERMITS, BIDS & CONSTRUCTION |

PROJECT 1105054

SHEET S 101