#### GENERAL NOTES

ALL WORK SHALL CONFORM TO THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION.

THE OWNER SHALL RETAIN THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM STRUCTURAL INSPECTIONS AS INDICATED ON THE DRAWINGS AND AS REQUIRED/INDICATED BY THE PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS.

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD AND SHALL NOTIFY THE OWNER/ENGINEER OF ANY DISCREPANCY BEFORE PROCEEDING WITH THE WORK. EXISTING CONDITIONS SHOWN ARE NOT GUARANTEED.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING & SHORING UNTIL ALL STRUCTURAL WORK IS COMPLETE. SUBMIT PROCEDURE FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK

SHOP DRAWINGS. IN ADDITION TO THE SUBMITTALS REQUIRED BY THE PROJECT SPECIFICATIONS, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND COMMENTS PRIOR TO FABRICATION FOR THE FOLLOWING:

- 1) EXPANSION BOLTS, ADHESIVE ANCHORS
- 2) SHORING DESIGN/METHOD
- 3) STRUCTURAL STEEL

PROVIDE SEALANT AT ALL CONTROL JOINTS.

#### STRUCTURAL INSPECTIONS

INSPECTION AND TESTING WILL BE PERFORMED PER CHAPTER 17 OF THE MASSACHUSETTS STATE BUILDING CODE & IBC 2015. THE OWNER WILL EMPLOY A TESTING AGENCY (SELECTED BY THE ENGINEER/OWNER) TO PERFORM STRUCTURAL TESTS AND INSPECTIONS AS INDICATED ON THIS SHEET. TEST REPORTS SHALL BE ADDRESSED TO THE OWNER & SENT DIRECTLY TO THE OWNER AND McBRIE, LLC FROM THE TESTING AGENCY.

THE CONTRACTOR SHALL COORDINATE WITH, NOTIFY, AND PROVIDE ACCESS AND A SAFE WORKING ENVIRONMENT FOR THE OWNER'S TESTING AGENCY BOTH IN THE SHOP AND IN THE FIELD.

ALL FILL INSTALLATION. CONCRETE REINFORCING, CONCRETE PLACEMENT AND STRUCTURAL STEEL INSTALLATIONS SHALL BE INSPECTED/OBSERVED BY THE SER OR AN INDEPENDENT TESTING AGENCY. ANY WORK COMPLETED WITHOUT INSPECTIONS SHALL BE CONSIDERED AS UNACCEPTABLE AND SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

AT A MINIMUM, THE FOLLOWING WILL BE INSPECTED:

- 1. CONCRETE PLACEMENT
- 2. STRUCTURAL STEEL

#### CONCRETE & REINFORCING

ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05)" AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301).

REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING:

(A) WELDED WIRE FABRIC (WWF) REINFORCEMENT: ASTM A185

WELDED WIRE FABRIC (WWF) SHALL BE LAPPED 6" OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WIRED TOGETHER.

### STRUCTURAL STEEL

STRUCTURAL STEEL WORK SHALL CONFORM TO PART 5 OF THE MANUAL OF STEEL CONSTRUCTION (AISC 360-10 ASD). ALL WELDING SHALL CONFORM TO AWS D1.1 AND BE PERFORMED BY APPROVED CERTIFIED WELDERS. ALL WELDS SHALL USE E70XX ELECTRODES BOTH IN THE SHOP AND IN THE FIELD.

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 FOR BASEPLATE AND ASTM A500, GRADE B (Fy = 46ksi) FOR HSS TUBES.

LEVELING/BEARING PLATES SHALL BE SET ON FULL BEDS OF NON-SHRINK, NONMETALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 3 DAYS.

## / ABBREVIATIONS

BRG. PL = BEARING PLATE

COL. = COLUMN

EMB. = EMBEDMENT

FX. = FXISTING

GALV. = GALVANIZED

HOR. = HORIZONTAL

MAX. = MAXIMUM

MIN. = MINIMUM

N.T.S. = NOT TO SCALE

REINF. = REINFORCING

SER = STRUCTURAL ENGINEER OF RECORD

T.B.R. = TO BE REMOVED

TYP. = TYPICAL

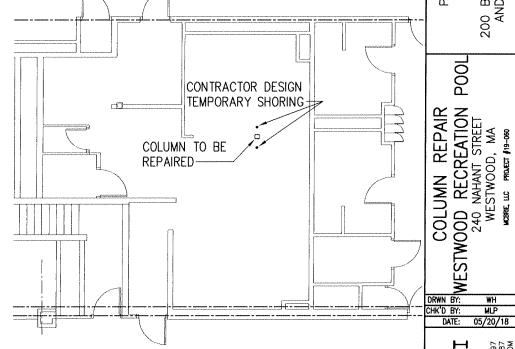
U.N.O. = UNLESS NOTED OTHERWISE

VERT. = VERTICAL

V.I.F. = VERIFY IN FIELD

V.W.O. = VERIFY WITH OWNER

WWF = WELDED WIRE FABRIC

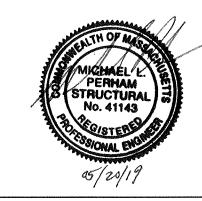


# PARTIAL PLAN WOMEN'S LOCKER ROOM

NOT TO SCALE

- 1) TEMPORARY REMOVAL OF PARTITIONS AS REQUIRED SHALL BE INCLUDED IN CONTRACT
- 2) CUT & REPLACE GYPSUM CEILING & TILE FLOORING
- 3) TILE AND PAINT TO MATCH EXISTING (OWNER TO APPROVE)

PHOTO OF COLUMN TO BE REPAIRED



**GENERAL NOTES SPECIFICATIONS** 

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#### NO. DATE REVISIONS PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS FOR COMPLIANCE WITH CHAPTER 17 OF THE 9TH EDITION OF THE MASSACHUSETTS STATE BUILDING CODE OTS 6. CONCRETE PLACEMENT: OBSERVE CONCRETE PLACEMENT OPERATIONS. VERIFY CONFORMANCE TO SPECIFICATIONS INCLUDING COLD-WEATHER AND HOT-WEATHER PLACEMENT PROCEDURES. PERFORM SLUMP, THE OWNER WILL EMPLOY A TESTING AGENCY (SELECTED BY THE ENGINEER/OWNER) TO PERFORM DENSITY AND AIR CONTENT TESTS AT POINT OF DISCHARGE. STRUCTURAL TESTS AND INSPECTIONS AS INDICATED ON THIS SHEET. TEST REPORTS SHALL BE ADDRESSED TO THE OWNER & SENT DIRECTLY TO THE OWNER & MCBRIE, LLC FROM THE TESTING AGENCY. 7. EVALUATION OF CONCRETE STRENGTH: OTS TEST AND EVALUATE IN ACCORDANCE WITH THE SPECIFICATIONS. 8. CURING AND PROTECTION: OTS OWNER: TOWN OF WESTWOOD OBSERVE PROCEDURE FOR CONFORMANCE TO THE SPECIFICATIONS. OWNER'S ADDRESS: 240 NAHANT STREET WESTWOOD, MA ARCHITECT OF RECORD: N/A STRUCTURAL ENGINEER OF RECORD (SER): MICHAEL PERHAM, MCBRIE, LLC /Sone FULL PENETRATION GROOVE NIVI 200 BRICKSTOI ANDOVER, M NEW SECTION OF COLUMN TO THE FOLLOWING FIRMS, AGENCIES, OR INDIVIDUALS (HEREINAFTER REFERRED TO COLLECTIVELY AS AGENTS) MATCH EXISTING SIZE AND FIELD WELD ALL AROUND -WILL PERFORM THE TESTS AND INSPECTIONS UNDER THE DIRECTION OF THE SER: **AGENT** SHALL BE HOT DIPPED GALV. W/ PROVIDE INTERNAL HSS ABBREVIATION SER STRUCTURAL ENGINEER OF RECORD (LISTED ABOVE) SLEEVE FOR WELD BACKER FINISH COAT TO MATCH EXISTING-OTS OWNER'S TESTING SERVICE N/A NOT APPLICABLE FOR THIS PROJECT SILICONE CAULK ALL EXISTING COLUMN POOL AROUND COLUMN THE ABBREVIATIONS WILL BE USED TO IDENTIFY WHICH AGENT IS PERFORMING THE PARTICULAR TESTS OR GALV. BASE PLATE ON SKIM INSPECTIONS. COLUMN REPAIR SHOW WESTWOOD RECREATION F 240 NAHANT STREET WESTWOOD, MA WASTREET WESTWOOD, MA 5000 PSI HIGH EARLY, FULL COAT OF NON-SHRINK GROUT STRENGTH @ 7 DAY CONCRETE "IN ACCORDANCE WITH SPECIFICATIONS" IN THE ITEM/SCOPE SHALL INCLUDE THE MASSACHUSETTS STATE W/4-1/9 EXPANSION BOLTS SLAB WITH 6X6-W2.9X2.9 WWF BUILDING CODE, CHAPTER 17 AND THE SPECIFICATION FOR EACH MATERIAL AS INDICATED IN THE NOTES ON 36, (HILTI KWIK BOLT OR EQUAL) THIS SHEET (S1) UNDER EACH MATERIAL HEADING SET 2" FROM THE TOP, TAPER WITH 3" MIN. EMBEDMENT SLAB AWAY FROM COLUMN-THE FOLLOWING CATEGORIES OF STRUCTURAL TESTS AND INSPECTIONS ARE INCLUDED IN THE PROGRAM FOR STRUCTURAL TESTS AND INSPECTIONS FOR THIS PROJECT. STEEL CONSTRUCTION ITEM/SCOPE **AGENT** 1. FABRICATOR CERTIFICATION/QUALITY CONTROL PROCEDURES: N/A REVIEW EACH FABRICATOR'S QUALITY CONTROL PROCEDURES EXISTING 2. FABRICATOR INSPECTION(1705.4.2 & R1705.4.2): N/A SAW CUT EXITING SLAB INSPECT IN-PLANT FABRICATION. OR REVIEW FABRICATOR'S APPROVED CONCRETE SLAB-AND APPLY EPOXY INDEPENDENT INSPECTION AGENCY'S REPORTS. 24"SQ. MIN. BONDING COMPOUND 3. MATERIAL CERTIFICATION: SER EXISTING ALL AROUND McBrie, uc REVIEW FOR CONFORMANCE TO THE SPECIFICATIONS. FOOTING-V.I.F. -OTS 4. BOLTING: COLUMN REPAIR DETAIL TEST AND INSPECT BOLTED CONNECTIONS IN ACCORDANCE WITH SPECIFICATIONS. EXX. SCALE: $\frac{3}{4}$ " = 1'-0" VERIFY BOLT SIZE AND GRADE. 5. WELDING: OTS CHECK WELDER QUALIFICATIONS. VISUALLY INSPECT FILLET WELDS AND TEST FULL-PENETRATION FIELD WELDS IN ACCORDANCE WITH SPECIFICATIONS. 160 SYLVAN S 2nd FLOOR DANVERS, MA SER 7. STRUCTURAL FRAMING, DETAILS AND ASSEMBLIES: INSPECT FOR SIZE, GRADE OF STEEL, CAMBER, INSTALLATION AND CONNECTION DETAILS. CHECK AGAINST APPROVED CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS. CAST-IN-PLACE CONCRETE CONSTRUCTION ITEM/SCOPE **AGENT** 1. MIX DESIGN: ASSUMED EXISTING SER REVIEW MIX DESIGNS. ANCHOR BOLTS T.B.R. 2. MATERIALS CERTIFICATION: SER VERIFY LAYOUT VS REVIEW FOR CONFORMANCE TO SPECIFICATIONS. PROGRAM OF EXISTING ANCHOR BOLT N/A 3. BATCHING PLANT: STRUCTURAL TESTS LAYOUT REVIEW PLANT QUALITY CONTROL PROCEDURES AND BATCHING AND MIXING METHODS. COLUMN DETAIL HSS BASE DETAIL 4. REINFORCEMENT INSTALLATION: SER/OTS INSPECT REINFORCING FOR SIZE, QUALITY, CONDITION AND PLACEMENT. SER 5. FORMWORK GEOMETRY: INSPECT FORM SIZES.