


1 PROPOSED BASEMENT/FOUNDATION PLAN  
 5-1 SCALE: 3/32" = 1'-0"


REV. NO.	DESCRIPTION	DATE
	ISSUED FOR COORDINATION	APRIL 11, 2018
	ISSUED FOR PERMIT	APRIL 16, 2018

- GENERAL NOTES**
- DESIGN AS PER ONTARIO BUILDING CODE 2012, CSA 086-14 ENGINEERING DESIGN IN WOOD, CSA S304.1-04 DESIGN OF MASONRY STRUCTURES & CSA A23.3-14 DESIGN OF CONCRETE STRUCTURES.
  - DESIGN LOADS
    - 2.1 FLOOR DESIGN LOADS
      - ADDITION FLOORS
        - DEAD LOAD = 10.0 PSF
        - LIVE LOAD = 50.0 PSF
      - DECK
        - DECK LOAD = 10.0 PSF
        - LIVE LOAD = 40.0 PSF
    - 2.2 ROOF DESIGN LOADS
      - TOP CHORD DEAD LOAD = 4.0 PSF
      - BOTTOM CHORD DEAD LOAD = 7.0 PSF
      - ROOF SNOW LOAD, S
        - S<sub>0</sub>=4.1, 7.5 PSF, S<sub>0</sub>>=3.5 PSF
        - S<sub>0</sub>=0.55S<sub>a</sub>+5\*
    - 2.3 HOVER LIFT
      - MAXIMUM LOAD = 450 LBS
  - ALL NEW LUMBER TO BE S.P.F. #2 OR BETTER. ALL LUMBER TO BE EXPOSED TO WEATHER TO BE PRESSURE TREATED.
    - 32 MPA FOR GARAGE FLOORS, CARPET FLOORS & ALL EXTERIOR FLATWORK.
      - CONCRETE TO INCLUDE 5-8% AIR ENTRAINMENT
      - 20 MPA FOR INTERIOR FLOORS OTHER THAN THOSE FOR GARAGES
      - 15 MPA FOR ALL OTHER APPLICATIONS
  - EPoxy APPLICATION USE HILTY HY-200 OR APPROVED EQUIVALENT.
  - ALL CONCRETE REINFORCEMENT TO BE GRADE 400 BILLET-STEEL BARS CONFORMING TO CSA G30.18.
  - SOIL ASSUMED TO HAVE AN ALLOWABLE BEARING CAPACITY OF 2000 PSF. IT IS THE OWNER RESPONSIBILITY TO CONFIRM HIS ASSUMPTION.
  - CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS TO BE 20 MPa.
  - MULTIPLY 2x8 BEAMS TO BE LAMINATED TOGETHER WITH (4) ROWS OF 3" SPIRAL WIRE NAILS SPACED AT 12" ON CENTRE RESPECTIVELY.
  - FOR SIMPSON PRODUCTS INSTALLATION REFER TO MANUFACTURERS SPECIFICATIONS.
  - ALL COMPONENTS ARE TO BE INSTALLED AS SHOWN. ANY DEVIATIONS FROM THESE DRAWINGS ARE TO BE REPORTED IN WRITING TO BFP ENGINEERING SOLUTIONS PRIOR TO INSTALLATION FOR EVALUATION AND ACTION TO BE TAKEN.
  - ALL INTERFERENCES ARE TO BE REPORTED IN WRITING TO BFP ENGINEERING SOLUTIONS PRIOR TO INSTALLATION.
  - ALL DIMENSION TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO COMMENCE ANY WORK.

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PROJECT NORTH



LEO THOMAS PEREZ  
 P. ENG. (CIVIL)  
 REG. NO. 14,292  
 ONTARIO



**BFP**  
 ENGINEERING  
 SOLUTIONS INC.

727 Lansdowne St. W., Suite 204  
 Peterborough, Ontario  
 Canada K9J 1Z2  
 Tel / Fax: 705-878-1604  
 Email: info@bfpengineering.com  
 website www.bfpengineering.com

CLIENT:  
 DEAFBLIND ONTARIO SERVICES  
 1765 LESLIE STREET, UNIT 15,  
 NEWMARKET, ONTARIO L3Y 3E3

DRAWING TITLE:  
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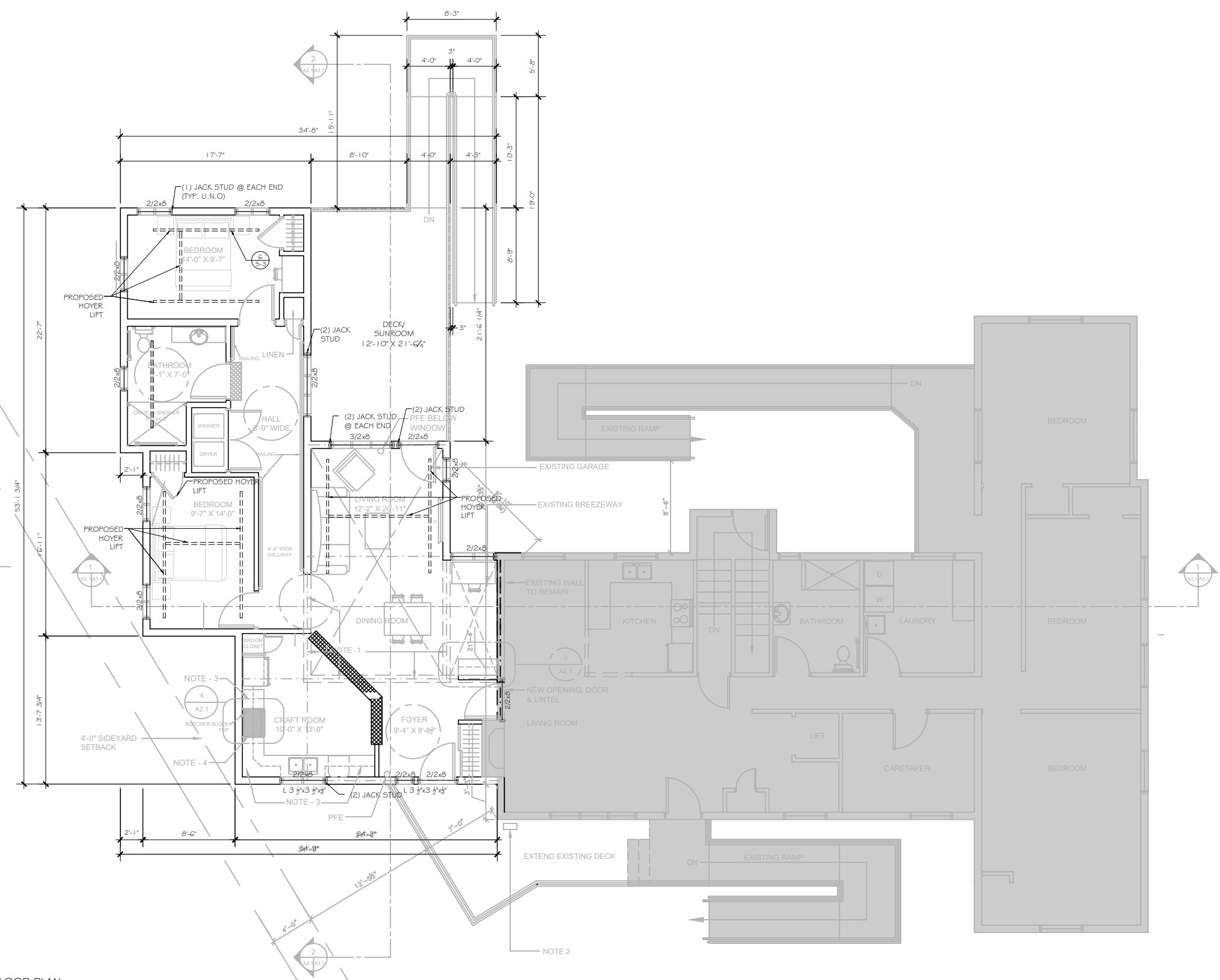
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SCALE: AS SHOWN	DATE: APRIL 2018

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 2213-18

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1  
5-2 PROPOSED FIRST FLOOR PLAN  
SCALE: 3/32" = 1'-0"

NOTE: ALL SHADED AREAS ARE EXISTING

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 727 Lansdowne St. W., Suite 204  
 Peterborough, Ontario  
 Canada K9J 1Z2  
 Tel./ Fax: 705-876-1604  
 Email: info@bfpengineering.com  
 website www.bfpengineering.com

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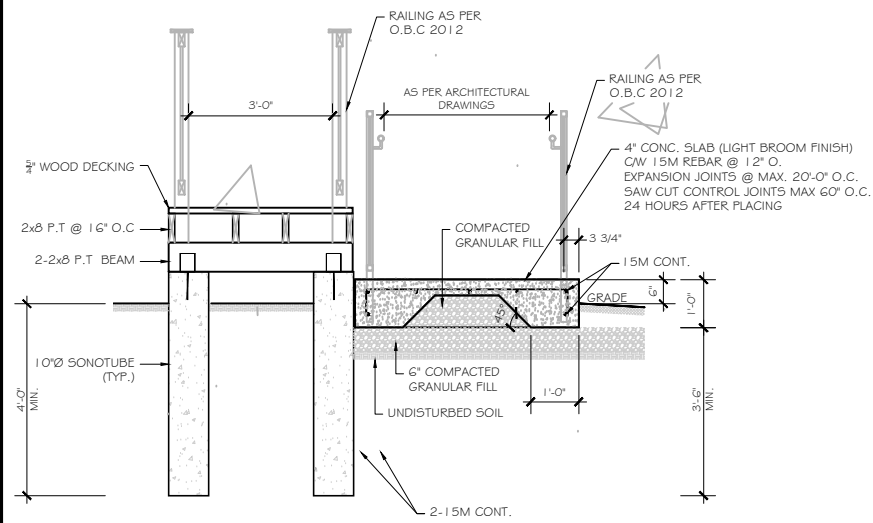
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 PROPOSED FIRST FLOOR PLAN

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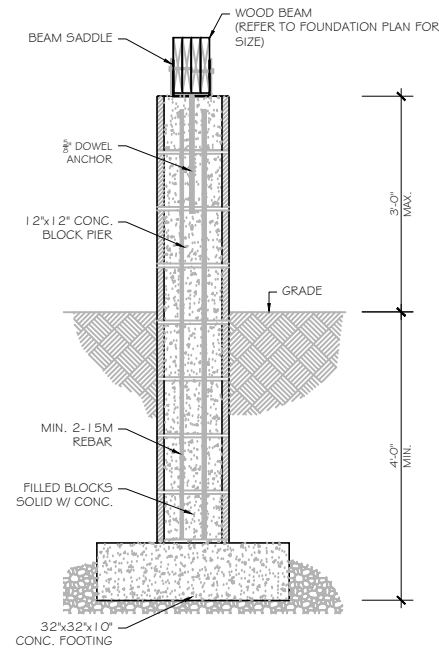
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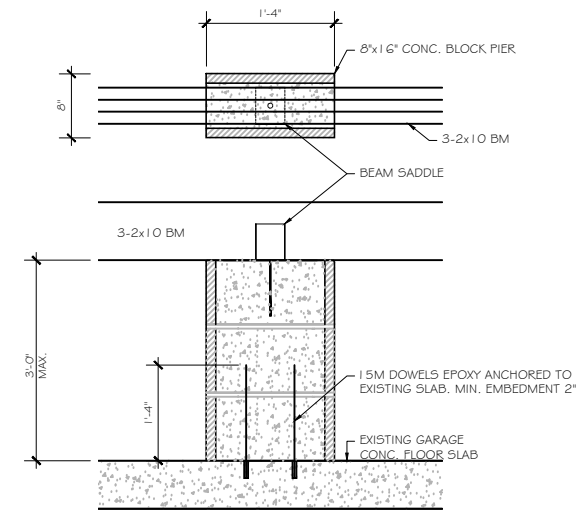
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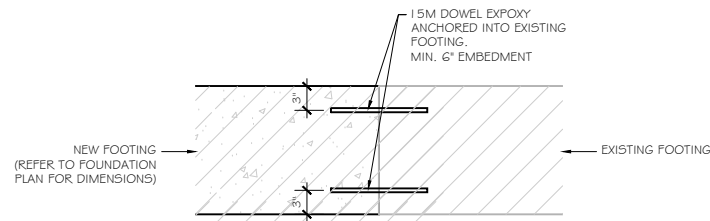
1 SECTION THRU RAMP  
S-3 SCALE: 1/4"=1'-0"



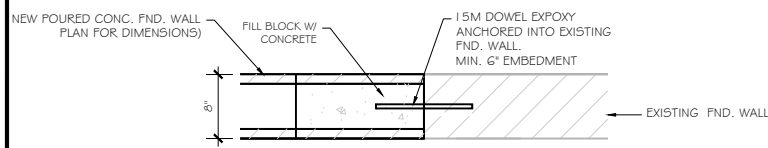
2 CONCRETE BLOCK PIER  
S-3 SCALE: 3/8"=1'-0"



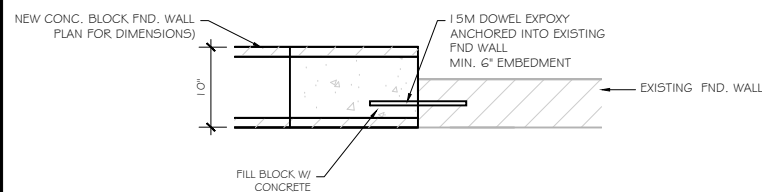
3 CONCRETE PIER  
S-3 SCALE: 1/2"=1'-0"



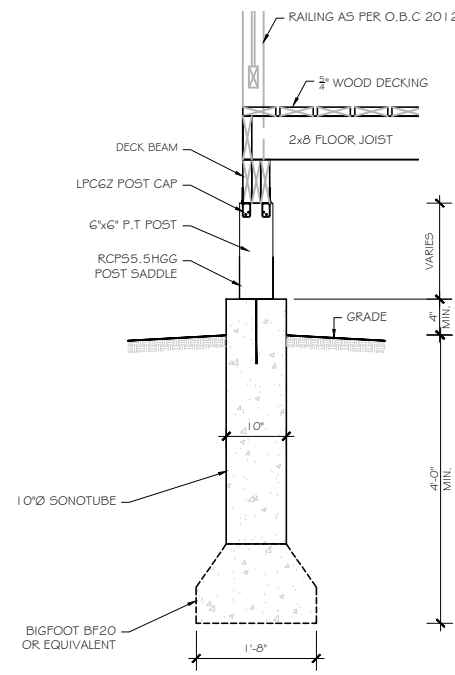
4 PLAN VIEW: NEW TO OLD FOOTING CONNECTION  
S-3 SCALE: 1/2"=1'-0"



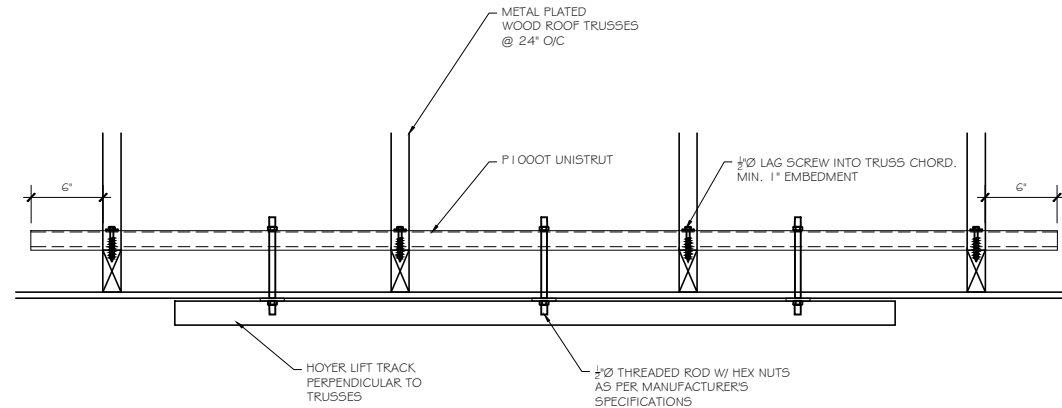
5 PLAN VIEW: NEW 8" CONC. BLOCK FND WALL TO EX. FND CONNECTION  
S-3 SCALE: 1/2"=1'-0"



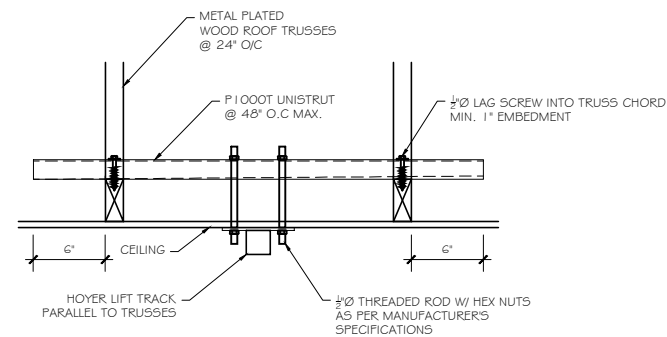
6 PLAN VIEW: NEW 10" CONC. BLOCK FND WALL TO EX. FND CONNECTION  
S-3 SCALE: 1/2"=1'-0"



7 SONOTUBE AND BIGFOOT  
S-3 SCALE: 3/8"=1'-0"



8 HOYER LIFT CONNECTION PERPENDICULAR TO TRUSSES  
S-3 SCALE: 3/4"=1'-0"



9 HOYER LIFT CONNECTION PARALLEL TO TRUSSES  
S-3 SCALE: 3/4"=1'-0"

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DRAWING TITLE:  
CROSS SECTION  
&  
DETAILS

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